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SM-S765C

M O B I L E P H O N E

User Manual

Please read this manual before operating your phone and keep it for future reference.

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Section 1: Getting Started

This section explains how to get started with your phone by installing and charging the battery, installing an optional memory card, and setting up your voice mail.

Before using your device for the first time, you'll need to install and charge the battery. If desired, you can also install an SD card to store media for use with your phone.

Understanding this User Manual

The sections of this manual generally follow the features of your phone. A robust index for features begins on page 350.

Also included is important safety information that you should know before using your device. This information is available near the back of the guide, beginning on page 298.

This manual provides navigation instructions according to the default display settings. If you select other settings, navigation may be different.

Unless otherwise specified, all instructions in this manual assume you are starting from the Home screen and using the available keys.

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Note: Instructions in this manual are based on default settings, and may vary from your device, depending on the software version on your device, and any changes to the device's Settings.

Unless stated otherwise, instructions in this User Manual start with the device unlocked, at the Home screen.

All screen images in this manual are simulated. Actual displays may vary, depending on the software version of your device and any changes to the device's Settings.

Special Text

Throughout this manual, you'll find text that is set apart from the rest. These are intended to point out important information, share quick methods for activating features, to define terms, and more. The definitions for these methods are as follows:

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- **Note**: Presents alternative options for the current feature, menu, or sub-menu.
- **Tips**: Provides quick or innovative methods, or useful shortcuts.
- **Important**: Points out important information about the current feature that could affect performance.
- **Warning**: Brings to your attention important information to prevent loss of data or functionality, or even prevent damage to your phone.

Text Conventions

This manual provides condensed information about how to use your phone. To make this possible, the following text conventions are used to represent often-used steps:

➔	Arrows are used to represent the sequence of selecting successive options in longer, or repetitive, procedures.

Example: From the Home screen, press (**Menu**) ➔ **Settings** ➔ **Connections** tab ➔ **Bluetooth**.

Removing the Battery Cover

The battery and SD card are installed under the battery cover.

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Important! Before removing or replacing the battery cover, make sure the device is switched off. To turn the device off, hold down the key until the Device options pop up displays, then tap **Power off**.

Caution! Do not bend or twist the back cover excessively during installation or removal. Doing so may damage the cover.

To remove the battery cover:

1. Hold the device firmly and locate the cover release latch (1).
2. Place your fingernail in the opening (2) and firmly “pop” the cover off the device (similar to a soda can).

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Installing the microSD Memory Card

Your device supports an optional (external) microSD™ memory cards for storage of media such as music, pictures, video and other files. The SD card is designed for use with this mobile device and other devices.

Note: This device supports a memory card of up to a 64GB.

---

1. Remove the battery cover.
2. Locate the microSD card slot on the side of the device.
3. Orient the card with the gold strips facing down.

4. Carefully slide the microSD card into the card socket until it clicks into place.
5. Replace the battery cover.

Important! Be sure to align the gold contact pins on the card with the device's contact pins.

Important! MicroSD cards should be formatted within the Storage menu. Using an older or slow microSD card can affect camera performance, especially for video recording.

To remove the microSD Memory Card:

1. Remove the battery cover.
2. Firmly press the card into the slot and release it. The card should pop partially out of the slot.
3. Remove the card from the slot.
4. Replace the battery cover.

Installing the Battery

Before using your device for the first time, install the battery and charge it fully.

Important! Before removing or replacing the battery, make sure the device is switched off. To turn the device off, hold down the ▬ until the Device options pop up displays, then tap **Power off**.

To install the battery:

1. Slide the battery into the compartment (1) so that the tabs on the end align with the slots at the bottom of the phone, making sure the connectors align.
2. Gently press down to secure the battery (2).

To remove the battery:

- Grip the battery at the top end and lift it up and out of the battery compartment.

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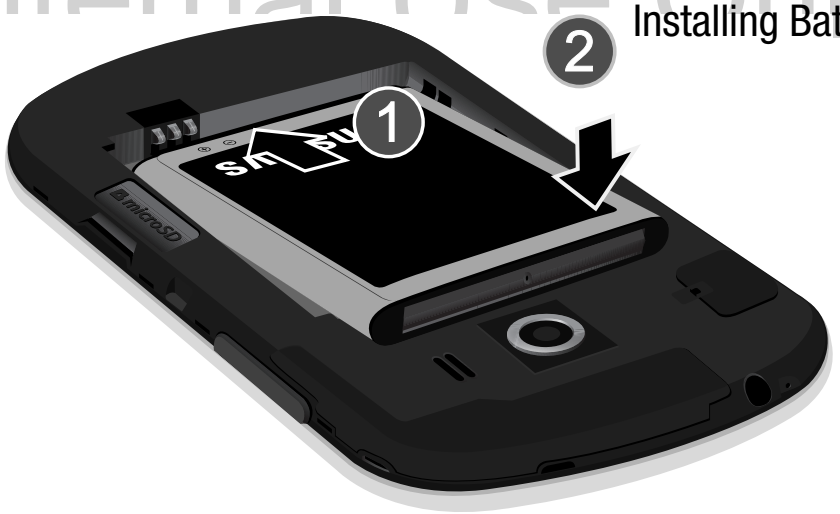


Installing Battery

Replacing the Battery Cover

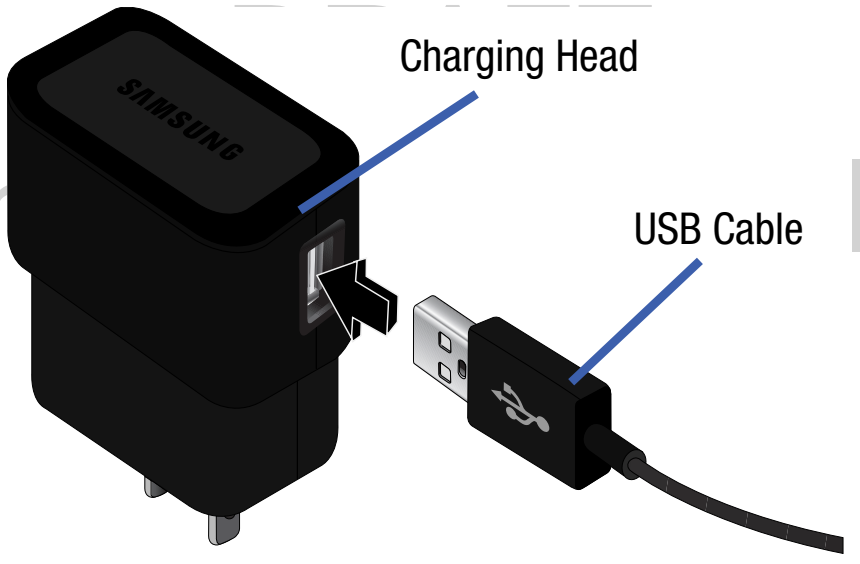
- Position the battery cover over the battery compartment and press down along the edges of the cover until you hear a click.

Caution! When replacing the battery cover, do not apply pressure to the screen (“squeeze”) as this can damage the screen.

Charging the Battery

Your device is powered by a rechargeable Li-ion battery. A wall charger, which is used for charging the battery, is included with your device. Use only approved batteries and chargers. Ask your local Samsung dealer for further details.

Before using your device for the first time, you must fully charge the battery.



Note: Verify that the battery is installed prior to connecting the wall charger. If both the wall charger is connected and the battery is not installed, the handset will power cycle continuously and prevent proper operation. Failure to unplug the wall charger before you remove the battery, can cause the device to become damaged.

Important! It is recommended you fully charge the battery before using your device for the first time.

1. Connect the USB cable to the charging head.
2. Locate the Charger/Accessory jack.
3. Insert the USB cable into the device's Charger/Accessory jack.
4. Plug the charging head into a standard AC power outlet. The device turns on with the screen locked and indicates both its charge state and percent of charge.

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Warning! While the device is charging, if the touch screen does not function due to an unstable power supply unplug the USB power adapter from the power outlet or unplug the USB cable from the device.

Note: If the charger is incorrectly connected, damage to the accessory port will occur therefore voiding the phone's warranty.

5. When charging is finished, first unplug the charger's power plug from the AC wall outlet, then disconnect the charger's connector from the phone.

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Important! If your handset has a touch screen display, please note that a touch screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. For more information, refer to *"Standard Limited Warranty"* on page 332.

Low Battery Indicator

When the battery level is low and only a few minutes of talk time remain (~15% charge), a warning tone sounds and the "Battery low" message repeats at regular intervals on the display. In this condition, your device conserves its remaining battery power, by dimming the backlight.

When the battery level becomes too low, the device automatically turns off.

The on-screen battery charge is represented (by default) as a colored battery icon. You can also choose to display a percentage value. Having a percentage value on-screen can provide a better idea of the remaining charge on the battery.

- Press ➔ and then tap **Settings** ➔ **My device** tab ➔ **Display** ➔ **Show battery percentage**.

For more information, refer to *"Display Settings"* on page 252.

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Extending Your Battery Life

Active applications, light levels, Bluetooth usage, and GPS functionality all act to drain your battery. The following is a list of helpful tips that can help conserve your battery power:

- Reduce your backlight on time.
- Turn Bluetooth off when not in use.
- Turn Wi-Fi off when not in use.
- Deactivate the GPS when not needed. Most applications using this function will periodically query the GPS satellites for your current location; each query drains your battery.

- Do not wait until your battery is completely depleted before charging your device. Repeating this process of a complete discharge and recharge can over time reduce the storage capacity of any battery.
- Use the Power Saving feature to deactivate some hardware and interface functions.
- Check the Battery use screen to review what features or functions have been consuming your battery resources.
- Check the Running Services and close any unnecessary applications.
- Use the Task Manager feature to end/shutdown background applications that are still running. These minimized applications can, over time, cause your device to “slow down”.
- Animated wallpapers use processing power, memory, and more power. Change your Live Wallpaper to a non-animated Wallpaper gallery or Gallery image.

Switching the Device On or Off

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Once the device has been configured, you will not be prompted with setup screens again.

To turn the device on:

- Press and hold (**Power/End**) until the device switches on.

  The device searches for your network and after finding it, you can make or receive calls.

Note: The display language is preset to English at the factory. To change the language, use the Language menu. For more information, refer to *“Language and Input Settings”* on page 270.

To turn the device off:

1. Press and hold (**Power/End**) until the Device options screen appears.
2. Tap **Power off** ( ) ➔ **OK**.

Initial Device Configuration

1. Select a language from the associated field.
   English is the default language.
2. Tap **Next** and follow the on-screen setup instructions.

Note: You may be prompted with a notification that your activation is completed.

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Note: Enabling Google location services can drain battery power.

3. Tap **Finish** to complete the setup process.
4. Go through the on-screen tutorial.

Restarting the Device

1. Press and hold (**Power/End**) until the Device options screen appears.
2. Tap **Restart** ( ) ➔ **OK**.

Locking and Unlocking the Device

By default, the device screen locks when the backlight turns off.

- Place your finger on the screen and swipe the glass in any of the directions shown unlock the device.

Note: You can choose to configure lock settings to prevent unauthorized use of your device. For more information, refer to *"Security"* on page 285.

Voicemail

Setting Up Your Voicemail

Your device automatically transfers all unanswered calls to voicemail, even if your device is in use or turned off. As soon as your battery is charged, activate your voicemail account.

Important! Always use a password to protect against unauthorized access.

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For new users, follow the instructions below to set up voicemail:

Note: Voicemail setup may be different depending on your network.

---

1. From the Home screen, tap and then touch and hold the 1 key until the device dials voicemail.
   You may be prompted to enter a password.
2. Follow the tutorial to create a password, a greeting, and a display name.

Accessing Your Voicemail

You can access your Voicemail by either pressing and holding 1 on the keypad, or by using the device's Application icon, then tapping the Voicemail application. To access Voice Mail using the menu:

1. From the Home screen, tap and then touch and hold 1 until the device dials voicemail.

Note: Touching and holding 1 will launch the voicemail application.

---

2. When connected, follow the voice prompts from the voicemail center.

Accessing Your Voicemail From Another Phone

1. Dial your wireless phone number.
2. When you hear your voicemail greeting, press the asterisk key on the phone you are using.
3. Enter your passcode.

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Section 2: Understanding Your Device

This section outlines key features of your device. It also describes the device's keys, screen and the icons that display when the device is in use.

Features of Your Device

Your device is lightweight, easy-to-use and offers many significant features. The following list outlines a few of the features included in your device.

- Touch screen with virtual (on-screen) QWERTY keyboard
- 4.0" TFT screen (480x800)
- 3G network-compliant
- Android 4.3, Jelly Bean Platform
- Smart Switch™ compliant. For more information, see www.samsungsmartswitch.com
- Support for Smart Gestures (Smart Alert; Turn over to mute/pause)
- Wi-Fi® Capability
- Apps available to download from the Google Play™ Store
- 5 Megapixel Camera and Camcorder with autofocus and 4x digital zoom
- VGA Front Facing camera for Video Chat
- Share Shot camera sharing-capable via multi-connect Wi-Fi Direct connection
- Bluetooth enabled
- Full Integration of Google Mobile™ Services (Gmail, YouTube, Google Maps, Google Voice Search)

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- Multiple Messaging Options: Text/Picture/Video Messaging, and Google Hangouts™
- Corporate and Personal Email
- Music Player with multitasking features
- Pre-loaded e-reader applications such as: Play Books™ and Play Newsstand™
- Assisted GPS (Google Navigation)
- Webkit-based browser
- Expandable memory slot - supports up to 64GB microSD
- Google Play™ Music
- Video Player
  – Codec: H.263, H.264
  – Format: 3GP, 3G2, M4V, MP4,WMV
- Video Player support for PIP (Picture in Picture) viewing
- DivX Certified® to play DivX® video up to HD 720p, including premium content
- Easy mode functionality converts the current User Interface into larger and easier to use format

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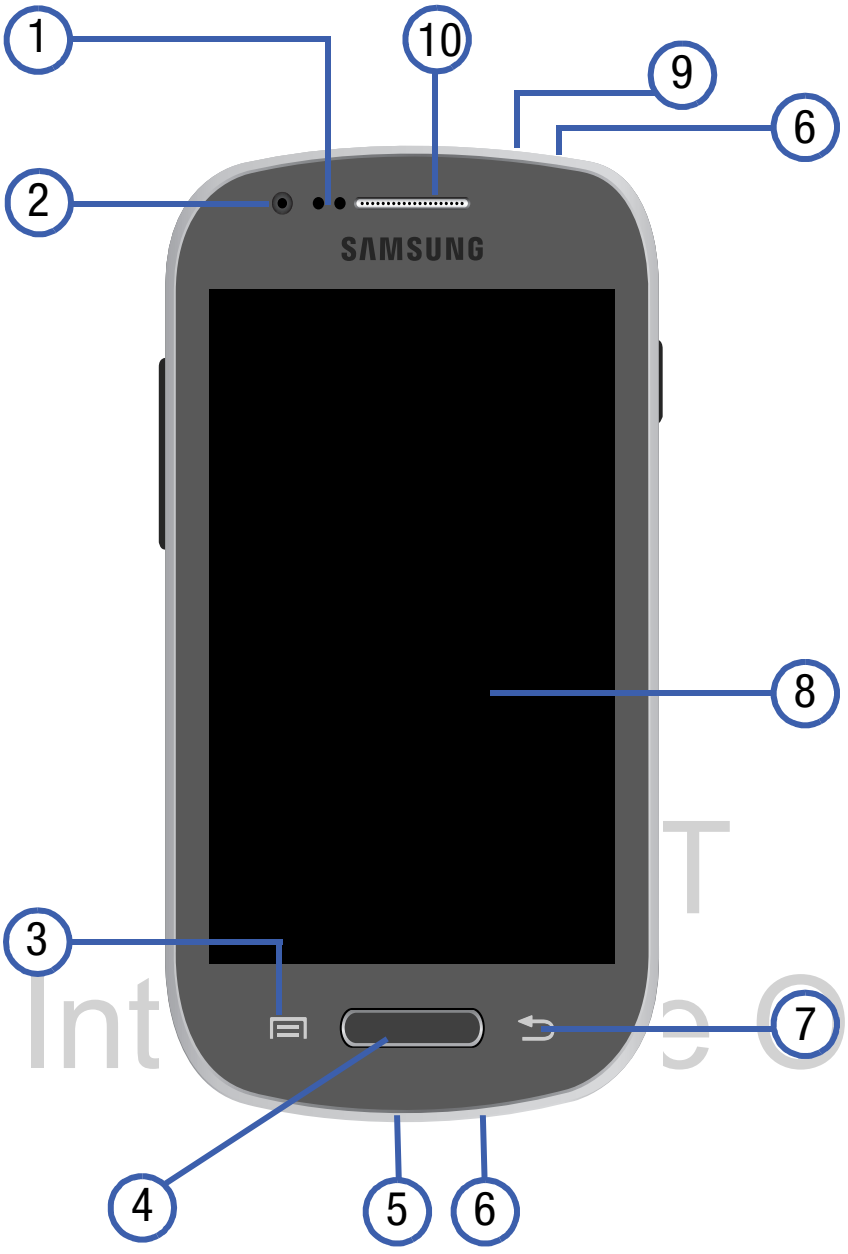
Front View



1. **Proximity Sensor** detects how close an object is to the surface of the screen. This is typically used to detect when your face is pressed up against the screen, such as during a phone call.
   - While talking on the phone, the sensor detects talk activity and locks the keypad to prevent accidental key presses.

2. **Front Facing Camera** allows you to take pictures while facing the screen and allows you to video conference.
3. **Menu key** displays a list of options available for the current screen. From the Home screen it displays Add apps and widgets, Create folder, Set wallpaper, Edit page, Search, Settings, and Help options.
4. **Home key** displays the Home screen when pressed. Press and hold to display your recent apps, Task manager, Google Search, and Remove all option. Double-press to activate S Voice.
5. **USB Power/Accessory connector** allows you to connect a power cable or optional accessories such as a USB/data cable.
6. **Microphone** is used during phone calls and allows other callers to hear you clearly when you are speaking to them. There are two microphones on the device:
   - Bottom microphone: used during handset mode.
   - Top microphone: used while an active call is in the speakerphone mode and assists in noise cancellation (2 microphone solution).
7. **Back key** redisplays the previous screen or clears entries.
8. **Display** shows all the information needed to operate your phone, such as the connection status, received signal strength, phone battery level, and time.
9. **Headset jack** allows you to connect a hands-free headset so you can listen to music.
10. **Receiver** allows you to hear the other caller and the different ring tones or sounds offered by your phone.

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Back View

The following illustration shows the external elements of your device:

1. **Camera lens** is used to take photos.
2. **External speaker** allows you to hear ringers, music, and other sounds offered by your phone.

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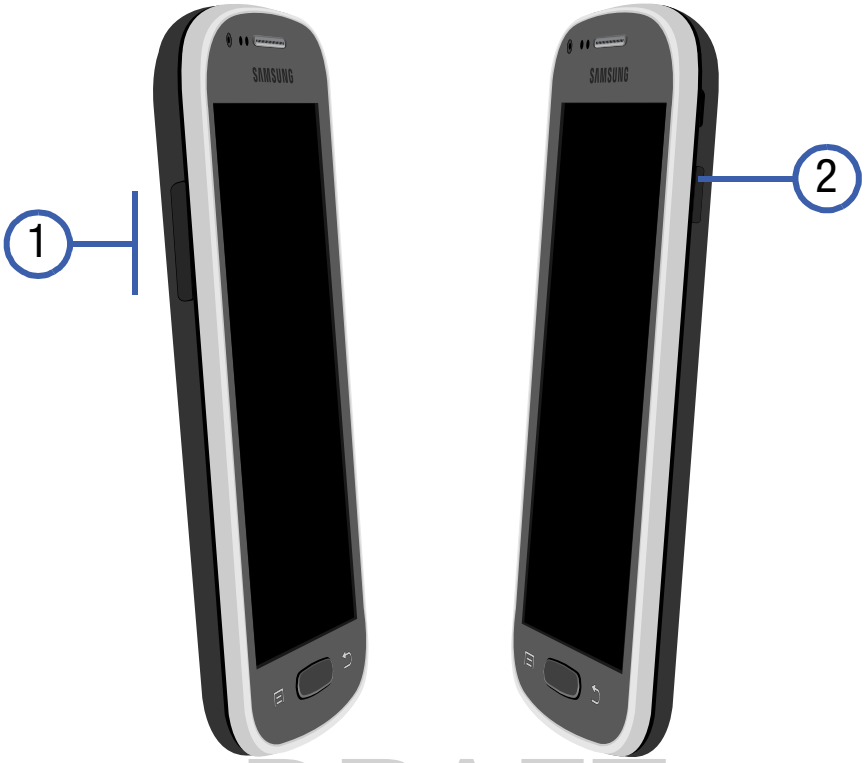
Side Views

The following illustration shows the side elements of your device:



1. **Volume key** allows you to adjust the ringer volume in standby mode (with the phone open) or adjust the voice volume during a call. When receiving an incoming call:
   - Pressing the volume key down mutes the ring tone.
2. **Power/End key** switches the phone off and on. Press and hold for two seconds to access the Device options screen from where you can select a sound/vibration mode, toggle the Data network mode or Airplane mode states, turn the device on or off, or Restart.

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Device Display

Your display provides information about the device's status, and is the interface to manage features. The display indicates your connection status, signal strength, battery status and time. Icons display at the top of the device when an incoming call or message is received and also alerts you at a specified time when an alarm was set. The screen also displays notifications, and Application (or shortcut) bar with five primary shortcuts: Phone, Contacts, Messages, Internet, and Apps.

Display settings

In this menu, you can change various settings for the for the wallpaper, brightness or backlight.

- From the Home screen, tap (**Apps**) ➔ (**Settings**) ➔ My device (**My device** tab) ➔ **Display**. For more information, refer to *"Display Settings"* on page 252.

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Status Bar

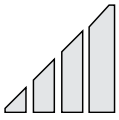
The Status Bar shows information about the connection status, signal strength, phone battery level, and time, and displays notifications about incoming messages, calls and other actions.

This list identifies the icons you see on your phone's display screen:

Indicator Icons

This list identifies the symbols you'll see on your device's display and Indicator area:

Note: Some Notification icons can be hidden manually by toggling the status of the Notification panel function. For more information, refer to *"Accessing Additional Screen Functions"* on page 40.



Displays your current signal strength. The greater the number of bars, the stronger the signal.

Indicates that the Airplane Mode is active. You cannot send or receive any calls or access online information.

Indicates there is no signal available.

Displays when there is a system error or alert.

Displays when a call is in progress. Icon is displayed in the Status bar area.

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Displays when an active call is routed through a Bluetooth headset. Icon is displayed in the Status bar area.

Displays when you have missed an incoming call.

Displays when you device is set to automatically reject calls from your Reject list or all calls.

Displays when the speakerphone is on. Icon is displayed in the Status bar area.

Displays when the microphone is muted. Icon is displayed in the Status bar area.

Displays your current battery charge level. Icon shown is fully charged.

Displays when the current battery is 100 percent charged. When the battery is 100 percent, an icon will be shown at the top left of the screen.

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Displays your battery is currently charging.

Displays your current battery charge level is low (Charge: ~28% - 15%).

Displays your current battery charge level is very low (Charge: ~15% - 5%).

Shows your current battery only has up to 4% power remaining and will soon shutdown. (Charge: ~4% - 1%).

Displays when connected to the 1X network.

Displays when your phone is communicating with the 1X network.

Displays when connected to the 3G network. 3G indicator is only seen when roaming.

Displays when your device is communicating with the 3G network. 3G indicator is only seen when roaming.

Displays when the phone has detected an active USB connection and is in a USB Debugging mode.

Displays when there is a new text message.

Displays when an outgoing text message has failed to be delivered.

Displays when there is a new voicemail message.

Displays in the notifications window when there is a new Email message.

Displays in the notifications window when there is a new Gmail message.

Displays when a new Google+ notification has been received.

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Displays when Hangout updates are available for download.

Displays when the time and date for a Calendar Event has arrived. For more information, refer to *“Calendar”* on page 173.

Displays when an alarm is set.
For more information, refer to *“Setting an Alarm”* on page 176.

Displays when the device is in Silent mode.
All sounds except media and alarms are silenced, and Silent mode is set to **Vibrate**. For more information, refer to *“Silent mode via Device Options Screen”* on page 254.

Displays when the device is in Silent mode.
All sounds are silenced, and Silent mode is set to **Mute**.

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Displays when data synchronization and application sync is active and synchronization is in progress for Gmail, Calendar, and Contacts.

Displays when the Blocking mode feature is active. For more information, refer to *“Blocking Mode”* on page 265.

Displays when the Hands-free mode feature is active. For more information, refer to *“Hands-free Mode”* on page 266.

Displays when Bluetooth technology is active and enabled.

Displays when the Bluetooth technology is active and communicating with an external device.

Displays when the an outbound file transfer is in progress.

Displays when a file or application download is in progress.

Displays when a screen capture has been taken and stored in the clipboard.
For more information, refer to *"Using Gestures"* on page 51.

Displays when your device is connected being used to control streaming media and is connected to a Digital Living Network Alliance (DLNA) certified devices.

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Displays when updates are available for download.

Displays when a Play Store download has completed.

Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).

Displays when Wi-Fi is active and there is an available open wireless network.

Displays when Wi-Fi Direct is communicating with another compatible device.

Displays in the notifications window when action is required within the Samsung account application.

Displays in the notifications window when there are too many on-screen notification icons to display. Tap to show more notifications.

Tap to select a text input method.

Displays in the notifications window when a song is currently playing within the Music Player.

Displays in the notifications window when a song is currently playing within the Play Music application.

Displays when your device's GPS is on and communicating.

Displays when the external SD card (internal microSD) has been disconnected (unmounted) from the phone and is now ready for either removal or formatting.

Displays when the External SD card is being prepared for mounting to the device. This is required for communication with the External SD card.

Displays when the microSD card has been improperly removed or unexpectedly.

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Displays when storage within either the internal location or the external SD card has reached its capacity. It is recommended you either move files off or delete them to make additional room.

Displays when the Power saving alert notification has been activated. You are then prompted to view your current battery level.

TTY Displays when TTY device has been inserted.

For more details on configuring your phone's settings, see *"Changing Your Settings"* on page 223.

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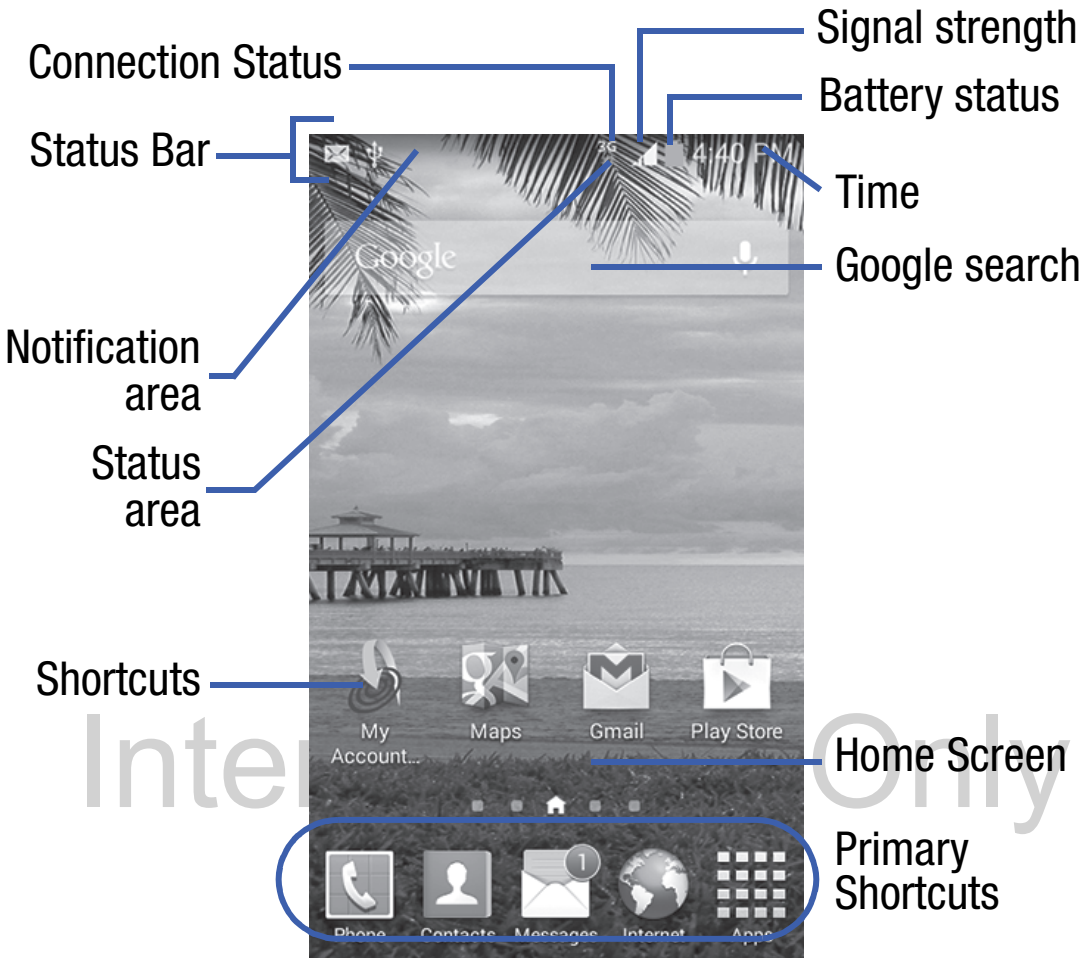
Home Screen

The Home screen is the starting point for using the applications on your phone. There are initially seven available panels, each populated with default shortcuts or applications. You can customize each of these panels.



Internal Only

- **Notification area** displays those icons associated with end-user notifications such as: email messages, calls (missed, call in progress), new voicemail, upcoming event, USB connection, Emails, and Text/MMS messages.
  - These notifications appear at the top-left of the screen (within the Status bar area) and display important user information.

– This information can be accessed by swiping down from the Status bar (page 39).

- **Status area** displays those icons associated with the status of the device such as communication, coverage, Bluetooth, 3G, Wi-Fi communication, battery levels, etc.
- **Home Screen** is a customizable screen that provides information about notifications and device status, and allows access to application Widgets.
- **Extended Home Screens** extend beyond the current visible screen width to provide more space for adding icons, widgets, and other customization features.
  – There are six available extended screens (panels) each of which may be populated with its own shortcuts or widgets. These screens share the use of the five Primary Shortcuts.
  – The current screen is indicated at the bottom by a white square. Up to seven (7) total screens are available.

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Note: Both the status bar and primary shortcuts are visible across all screens.

- **Google search** is an on-screen Internet search engine powered by Google™. Tap to access the Voice Actions feature where you can verbally enter a search term and initiate an online search.
  – Tap (**Google Actions**) to launch the function from within this Google widget.
- **Widgets** are self-contained on-screen applications (not shortcuts). These can be placed onto any of the available screens (Home or extended).

- **Shortcuts** are icons that launch available device applications such as Camera, YouTube, Contacts, Phone, Email, Play Store, etc. These function the same as shortcuts on your computer.
  - Although some may already be found on the Extended Home screens, the majority can also be found within the Applications screens.
  - The Application screens can be accessed by tapping (**Apps**) from the Primary shortcuts area.
  - Shortcuts can be removed from a screen and added back any number of times.
- **Primary Shortcuts**: are shortcuts present throughout all of the available screens and can be used to both navigate within the device or launch any of the following functions:
  - **Phone** ( ) launches the phone-related screen functions (Keypad, Logs, Favorites, and Contacts).
  - **Contacts** ( ) launches the Contacts-related screens (Phone, Groups, Favorites, and Contacts).
  - **Messages** ( ) launches the Messages application (create new messages or open an existing message string).
  - **Internet** ( ) launches the built-in Web browser.
  - **Apps** toggles functionality between the Home and Application screens.
    - Tap (**Apps**) to access the Application screens loaded with every available local application.
    - While in the Applications screens, tap (**Back**) to easily return to the Home screen.

As you transition from screen to screen, a screen indicator (located at the bottom) displays the currently active panel.

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Home Key

The **Home** key ( ) takes you back to your Home screen.

- Press and hold to launch the Recent apps/Task manager screen. For more information, refer to *"Accessing Recently-Used Apps"* on page 171.

Menu Key

The **Menu** key ( ) activates an available menu function for the current screen or application.

Back Key

The **Back** key ( ) returns you to the previously active screen. If the on-screen keyboard is currently open, this key closes the keyboard.

Home Screen Menu Settings

When on the Home screen, press to reveal the following menu options:

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- **Add apps and widgets** allows you to quickly access the Widget tab where you can then drag a selected widget to an available area on a selected screen.
- **Create folder** allows you to create on-screen folders to help organize files of application shortcuts.
- **Set wallpaper** allows you to assign the current wallpaper for the Home screen, Lock screen, or Home screen and lock screens. Choose from Gallery, Live wallpapers, or Wallpapers.
- **Edit page** allows you to add or remove extended screens from your device. You can have up to six extended screens (one Home screen and six Extended screens).

- **Search** displays the Google Search box that you can use to search for a key term online.
- **Settings** provides quick access to the device's settings menu.
  - The Settings menu can also be accessed by pressing and then tapping → **Settings**.

Notification Bar

The Notification area indicates new message events (data sync status, new messages, calendar events, call status, etc). You can expand this area to display the Notification screen that provides more detailed information about the current on-screen notification icons.

1. Touch the Status bar to reveal the Notifications tab, and then drag the tab to the bottom of the screen to open the Notifications panel (1).
2. Tap a notification entry to open the associated application (2).

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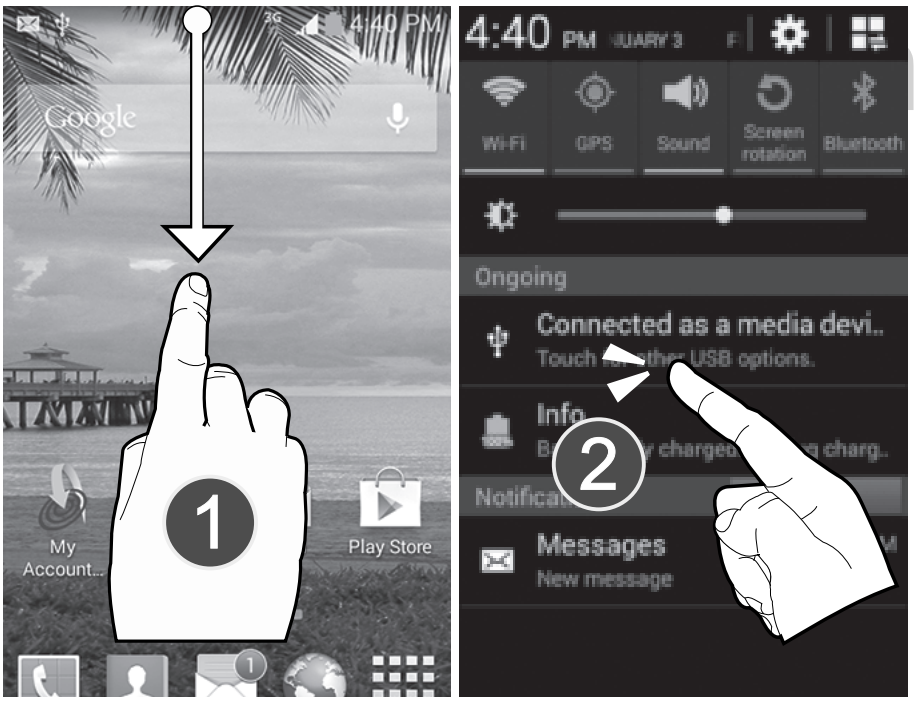

Clearing Notifications

1. In a single motion, touch and drag the Status bar down to the bottom of the screen to open the Notifications screen.
2. Tap **Clear**. The notifications are cleared from the panel.

Accessing Additional Screen Functions

In addition to notifications, this screen also provides quick and ready access to device functions. These can be quickly activated or deactivated.

Scrolling across a horizontal list of functions has been enhanced with an accessible Grid view.

Note: You can select the function buttons you see at the top of the Notifications panel.
Only 5 buttons are shown at any one time.
The Grid view is the only way to view all functions.

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To activate the Grid view:

- From the Notification panel, tap (**Open Grid view**) to display additional functions.

To minimize the Grid view:

- From the Notification panel, tap (**Close Grid view**) to show only your primary functions.

To customize the functions displayed:

1. From the Notification screen, tap (**Open Grid view**) to display additional functions.
2. Tap (**Edit**) then locate the Notifications panel area located at the bottom of the Notifications panel screen.
3. In a single motion, touch and hold a desired function then drag it to the top row.

Customizing the Screens

You can customize the Home screens (panels) to display the Widgets, Shortcuts, Folders, or Wallpapers. For example, one screen could contain the Music Player shortcut and other forms of media, while another screen might contain communication apps such as Gmail.

You can customize your Home screen by doing the following:

- **Adding, Deleting, and Rearranging screens**
- **Assigning a New Home screen**
- **Adding and Removing Primary Shortcuts**
- **Sharing Application Information**
- **Managing Shortcuts**
- **Adding and Removing Widgets**
- **Changing the Background (Wallpapers)**

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Adding and Deleting Screens

Your phone comes with seven screens. You can delete these screens and then add them back later.

Note: These screens can be deleted and re-arranged.

Important! Your phone can only contain at most seven screens and at least one screen.

To delete a screen:

1. From the Home screen, press and then tap **Edit page**.
2. Touch and hold, then drag the undesired screen down to the **Remove** tab ( ).
3. Press to return to the main Home screen.

To add a screen:

1. From the Home screen, press and then tap **Edit page**.
2. Tap (**Add screen**). The newly added screen appears as the last page.
3. Press to return to the main Home screen.

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Rearranging the Screens

1. From the Home screen, press and then tap **Edit page**.
2. Touch and hold a screen and then drag it into its new location. Upper-left is screen position #1 and bottom-right is screen last screen.

Assigning a New Home Screen

1. From the Home screen, press and then tap **Edit page**.
2. Tap . The new Home screen then indicates this (**Home screen**) icon at the top of the selected screen.

Sharing an App

The device's Applications menu now comes with a feature that allows you to share information about your selected applications with external users.

1. From the Home screen, tap (**Apps**).
2. Press and then tap **Share apps**.
3. Place a check mark alongside those applications you wish to share information about and tap **Done**.

Note: Shared applications consist of those that have previously been downloaded from the Play Store.

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4. Select an available method. The recipient will be notified about the receipt of the new information.

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Managing Shortcuts

Note: To move a shortcut from one screen to another, you must carefully touch and hold the shortcut and slowly drag it to the edge of the screen. As the shortcut turns light blue, you can begin to move it to the adjacent screen.If this does not work, delete it from its current screen. Activate the new screen and then add the selected shortcut.

To add a shortcut from the Applications screen:

1. From the Home screen, select a screen location for your new shortcut by scrolling across your available screens until you reach the desired one.
2. Tap **Apps** ( ) to reveal all your current available applications. By default, applications are displayed as an Alphabetical grid.
3. Scroll across the screens and locate your desired application.
4. Touch and hold the on-screen icon. The new shortcut then appears to hover over the current screen.
5. While still holding the on-screen icon, position it on the current screen. Once complete, release the screen to lock the shortcut into its new position.

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To add a shortcut via the Add to Home screen:

1. From the Home screen, navigate to a screen with an empty area.
2. Touch and hold an empty area of the screen.
3. From the **Home screen** window, tap **Apps and widgets** ➔ **Apps**.

4. Scroll across the pages and in a single motion, touch and hold an application to place a copy on the current screen.

To delete a shortcut:

1. From the Home screen, touch and hold the desired shortcut. This unlocks it from its location on the current screen.
2. Drag the shortcut over the **Remove** tab ( ) and release it.

Adding and Removing Primary Shortcuts

Note: You can change any of your primary shortcuts with the exception of the **Apps** shortcut.

To remove a primary shortcut:

- From the Home screen, touch and hold the primary shortcut you want to replace, then drag it to an empty space on any available screen. The primary shortcuts are now updated to show an empty slot.

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To insert a new primary shortcut:

1. From the Home screen, tap (**Apps**).
2. Locate your desired application, then touch and hold the on-screen icon to position it on a desired screen. For more information, refer to *"Managing Shortcuts"* on page 44.
3. Locate the screen with the desired shortcut you want to add as the new primary shortcut.
4. Touch and hold the shortcut until it detaches from the screen.

5. In a single motion, touch and hold the new shortcut, then drag it into the empty space within the row of primary shortcuts. The new primary shortcut will now appear on both the Home and Extended screens.

Adding and Removing Widgets

Widgets are self-contained applications that can be placed on any screen. Unlike shortcuts, widgets appear as applications.

To add a Widget:

1. From the Home screen, tap (**Apps**) ➔ **Widgets** tab.
2. Scroll across the Widget pages and locate a desired Widget.
3. Touch and hold an available Widget until it detaches from the screen.
4. While still holding the Widget, scroll left or right across the available screens and let go of the Widget to place it on your current screen.

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To remove a Widget:

1. Touch and hold a Widget until it unlocks from the current screen.
2. Drag the widget over the **Remove** tab ( ) and release it.
   - As you place the Widget into the Trash, both items turn red.
   - This action doesn't delete the Widget, it just removes it from the current screen.

To place a widget onto a different screen:

1. Touch and hold the widget until it becomes transparent.
2. Slowly drag it past the edge of the screen until the adjacent page appears highlighted and it then snaps onto the new page.
3. Drag the widget to its desired position on the new screen.
4. Repeat these steps to continue moving it to other screens.

Managing Wallpapers

Wallpapers consist of either Gallery images (user taken), Live wallpapers (animated backgrounds), or Wallpaper gallery (default phone wallpapers).

Note: Selecting animated Live wallpapers will require additional battery power.

To change the current Home screen wallpaper:

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1. Navigate to any screen.

   – or –

   Press ▬ to go to the Home screen.
2. Touch and hold an empty area of the screen.
3. From the **Home screen** window tap **Set wallpaper** ➔ **Home screen**.
4. Select a Wallpaper type:
   - Tap **Gallery** to select from a user image stored in the camera image gallery, crop the image, and tap **Done**.
   - Tap **Live wallpapers** to select from a list of animated backgrounds, once done tap **Set wallpaper**.

- Tap **Wallpapers**, scroll through the images, tap a wallpaper image, then tap **Set wallpaper**.

Note: Wallpapers supports the following image types: JPEG, PNG, GIF, BMP, and WBMP.

To change Wallpapers from Settings Menu:

1. From the main **Settings** page, tap **My device** tab ➔ **Display** ➔ **Wallpaper**.
2. Choose from **Home screen**, **Lock screen**, or **Home and lock screens**.

Note: The **Home and lock screens** is an additional option that allows you to change both screens at the same time.

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3. Select a wallpaper type (**Gallery**, **Live wallpaper**, or **Wallpapers**).
4. Choose an image and tap **Done** or **Set wallpaper**.

To change the current Lock screen wallpaper:

1. Navigate to any screen, touch and hold an empty area of the screen, and tap **Set wallpaper** ➔ **Lock screen**.

   – or –

   From the main **Settings** page, tap **My device** tab ➔ **Display** ➔ **Wallpaper** ➔ **Lock screen**.
2. Select a Wallpaper type:
   - Tap **Gallery** to select from a user image stored in the camera image gallery, crop the image, and tap **Done**.

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- Tap **Wallpaper**, scroll through the images, tap a wallpaper image, then tap **Set wallpaper**.

Screen Navigation

Using the touch screen display and the keys, you can navigate the features of your device and enter characters. The following conventions are used in this manual to describe the navigation action in the procedures.

Navigating Through the Screens

The following terms describe the most common hardware and on-screen actions.

- **Press and hold**: Pressing relates to use of the hardware keys and buttons to select or activate an item. For example: press the Navigation key to scroll through a menu. Some buttons and keys require you to press and hold them to activate a feature, for example, you press the Lock key to lock and unlock the device.
- **Tap**: Use a brief touch to select items on the display or to enter text on the virtual QWERTY keyboard. For example: touch an Application icon to open the application. A light touch works best.
- **Touch and hold**: Touch and hold an icon or key to open the available options, or to access a pop-up menu. For example: touch and hold from the Home screen to access a menu of customization options.
- **Flick**: Move your finger in lighter, quicker strokes than swiping. This finger gesture is always used in a vertical motion, such as when flicking through contacts or a message list.

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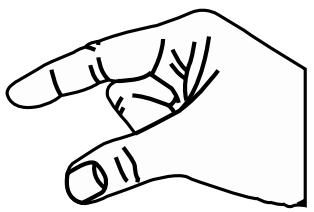
- **Swipe or slide**: Quickly drag your finger vertically or horizontally across the screen. This allows you to move the area of focus or to scroll through a list. For example: slide your finger left or right on the Home screen to scroll among the seven panels.
- **Drag**: Press and hold your finger with some pressure before you start to move it. Do not release your finger until you have reached the target position.
- **Rotate**: Automatically change the screen orientation from portrait to landscape by turning the device sideways. For example: rotate to landscape orientation when entering text, to provide a larger keyboard, or when viewing web content to minimize scrolling.
- **Pinch**: "Pinch" the screen using your thumb and forefinger to zoom out when viewing a picture or a Web page. (Move fingers inward to zoom out.)



- **Spread**: "Spread" the screen using your thumb and forefinger to zoom in when viewing a picture or a Web page. (Move fingers outward to zoom in.)

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Note: These screens can be re-arranged in any desired order. For more information, refer to *"Customizing the Screens"* on page 41.

- **Motion Navigation and Activation**: The device comes equipped with the ability to assign specific functions to certain device actions that are detected by both the accelerometer and gyroscope.

Note: Motion must be enabled for this feature to be active. For more information, refer to *"Motion Settings"* on page 277.

Using Gestures

By activating the various gesture features within the Motion menu (page 277), you can access a variety of time saving functions.

Caution! Excessive shaking or impact to the device may cause unintended results. To learn how to properly control motions, tap (**Apps**) ➔ **Settings** ➔ **My device** tab ➔ **Motion**. When tapped, each entry comes with an on-screen tutorial.

To activate motion:

1. From the Home screen, press and then tap **Settings** ➔ My device (**My device** tab) ➔ **Motion**.
2. Tap the desired on-screen motion option.

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The following is a description some of the most commonly used gestures:

- **Smart alert**: Once enabled, pick up the device to be alerted and notified of you have missed any calls or messages.
- **Turn over to mute/pause**: Once enabled, mute incoming calls and any playing sounds by turning the device display down on a surface. This is the opposite of the Pick up to be Notified Gesture.
- **Learn about motions**: tap an on-screen entry to display a brief tutorial on the use of the selected function.

Menu Navigation

You can tailor the device's range of functions to fit your needs using both menus and applications. Menus, sub-menus, and features are accessed by scrolling through the available on-screen menus. Your device defaults with seven screens.

Navigating Through the Application Menus

There are three default Application Menu screens available. As you add more applications from the Play Store, more screens are created to house these new apps.

1. From the Home screen, tap (**Apps**). The first Application Menu screen displays.
   - To close the Applications screen, press (**Home**).
2. Sweep the screen to access the other menus.
3. Tap any of the on-screen icons to launch the associated application.

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Using Sub-Menus

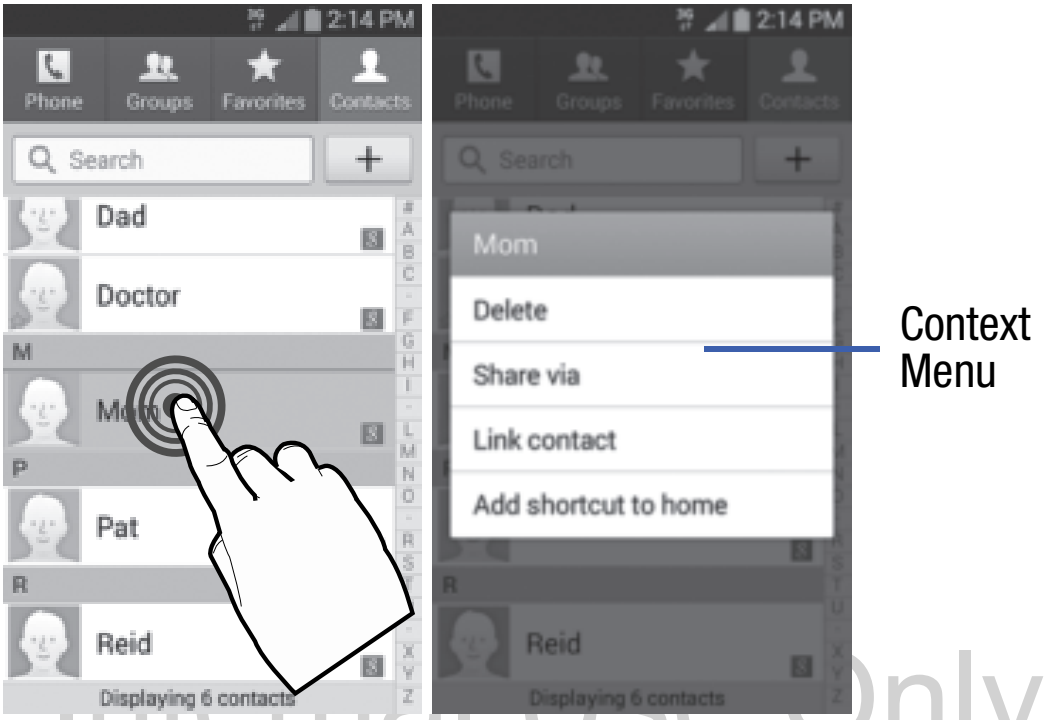
Sub-menus are available from within most screen and applications.

1. Press . A sub-menu displays at the bottom of the screen.
2. Tap an available on-screen option.

Using Context Menus

Context menus (also called pop-up menus) contain options that apply to a specific item on the screen. They function similarly to menu options that appear when you right click your mouse on your desktop computer.

- Touch and hold an item on-screen to open its context menu.



Internal Use Only

Section 3: Call Functions and Contacts List

This section describes features and functionality associated with making or answering calls, and the Contacts list, which is used to store contact information.

Displaying Your Phone Number

- From the Home screen, press and then tap **Settings** ➔ More (**More** tab) ➔ **About device** ➔ **Status**. Your phone number displays in the **My phone number** field.

Note: The device's **Settings** menu can also be activated by pressing and then tapping (**Apps**) ➔ (**Settings**).

Making a Call

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You can store phone numbers that are regularly used to the device's memory. These entries are referred to as the **Contacts list**.

1. From the Home screen, tap (**Phone**).
2. Enter the phone number and then tap .

- If you make a mistake while dialing, tap to clear the last digit. Touch and hold to clear the entire sequence.

Note: If your screen goes black during your interaction with the device (launching Keypad, etc.), you might be accidentally swiping over the front sensors.

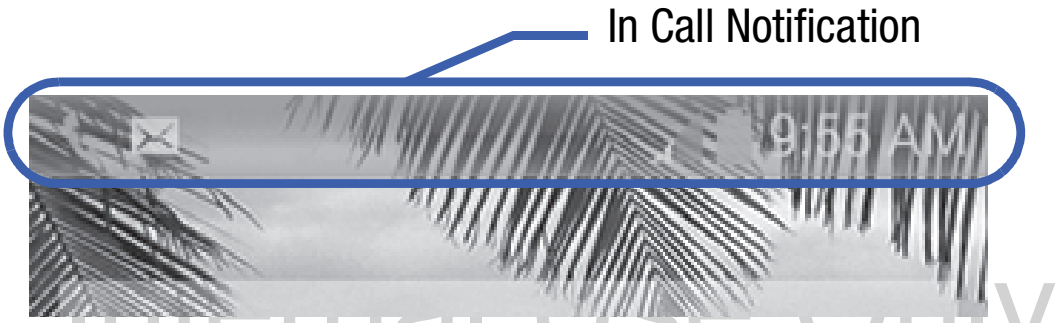
Quick Dialing a Number from the Contacts List

1. From the Home screen, tap (**Contacts**).
2. Locate a contact from the list.
3. In a single motion, touch and drag your finger over the number by going to the right. This action places a call to the recipient.

Running a Call in the Background

If you exit the current call screen and return to the Home screen, you are visually notified that you are still on an active call by the green phone icon within the Status bar.

This is the best way to stay on your current call and do something else (multi-task) such as access the Contacts list, view a recent email, locate a picture, etc..



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Ending a Call

- Briefly tap End call key to end the call.

Note: To redial a recent number, tap Call at the end of the call or locate the number from the Logs list, tap the entry and tap **Call**.

Ending a Call from the Status Bar

1. From an active call, you can launch a separate application or return to the Home screen. The current call is kept active in the background.
2. Tap the Status bar to reveal the Notifications tab, and then drag the tab to the bottom of the screen to open the Notifications panel.
3. Tap End (**End**) to end the currently active call.

Making Emergency Calls

If you do not have service set up the first time you turn on the phone, you can only make an emergency call with the phone; normal cell phone service is not available.

Making an Emergency Call

The Emergency calling mode makes redialing an emergency number a 1-tap process. Before you can resume normal calling operations, you should first exit this mode.

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1. Swipe the Lock screen to unlock the device.
2. From the Home screen, tap .
3. Enter the emergency number (ex: 911) and then tap .
4. Complete your call. During this type of call, you will have access to the Speaker mode, Keypad, and End Call features.

Note: This mode can drain your battery power more rapidly than a normal calling mode.

- At the Emergency call back screen, follow the on-screen instructions.

Dialing Options

When you enter numbers on the Keypad, you will see three on-screen options.

From the keypad screen, use one of the following options:

- **Voice Mail** ( ) to access your Voice Mail service.
- **Call** ( ) to call the entered number.
- **Delete** ( ) to delete digits from the current number.

To view additional dialing options:

- Tap :
  - **Send message** to send the current caller a text message while still maintaining the current call active.
  - **Add to contacts** to add the current number to either a new or existing Contacts entry.
  - **Speed dial setting** to access the Speed dialing setting menu where you can assign a speed dial location to a current Contacts entry.
  - **Add 2-sec pause** to insert a two-second pause to enter a 2-second delay within a number string (the phone continues dialing after 2 seconds without any additional keys being pressed).

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Tip: You can create pauses longer than two seconds by entering multiple 2 second pauses.

  - **Add wait** to insert a hard pause within the number string (the phone waits for your input). A wait requires that any consecutive numbers be manually sent by tapping **Yes**.
  - **Call settings** to provide you access to the Call settings screen.

Answering a Call

When somebody calls you, the phone rings and displays the incoming call image. The caller's phone number, picture, or name if stored in Contacts List, displays.

- At the incoming call screen:
  - Touch and slide in any direction to answer the call.
  - Touch and slide in any direction to reject the call.
  - Touch and drag the **Reject call with message** tab upward and tap a predefined rejection message or tap **Create new message** to create a new custom outgoing response.

Pressing the Volume down button mutes the ringer.

If the incoming call is from a number stored in your Contacts, the entry's name is displayed. You may also see the caller's phone number, if available.

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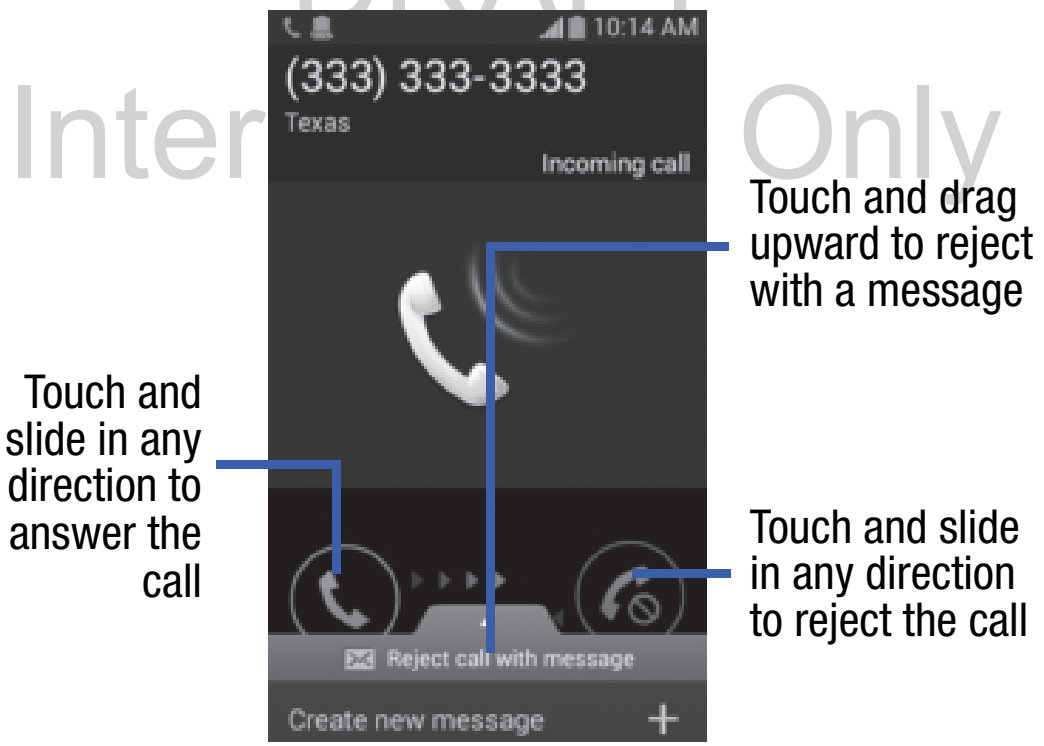

Managing Reject Calls

This feature allows you to categorize both known and unknown callers as rejected contacts. These Contacts are then added to your Rejection list which can be managed for individual entries from within the Contacts list or as a whole from the Call rejection screen.

1. From the main **Call settings** page, tap **Call block**.
2. Tap the **Block calls** field to configure your automatic rejection settings. Rejected calls are routed automatically to your voicemail. Choose from:
   - **Off**: disables the auto rejection feature.
   - **All numbers**: enables the features for all known and unknown numbers, including those contacts that are not assigned to the rejection list.
   - **Call block list only**: automatically rejects all entries assigned to the Reject list.

Adding numbers to the rejection list

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Entries can be added to the list via either the Contacts menu or via the Auto reject list menu. The Contacts menu option assigns all numbers for an individual as rejected. The Auto reject list allows to assign individual numbers.

To assign multiple numbers as rejected via Contacts:

1. From the Home screen, tap (**Contacts**).
2. Locate an entry and tap it to open the Contact Overview Screen (page 97).
3. Press and then tap **Add to reject list**. All phone numbers associated with this entry are then added to the reject list.

To assign single number as rejected via Auto reject list:

1. From the main **Call settings** page, tap **Call block** ➔ **Call block list**.
2. Tap (**Create**) and either enter the phone number or select a Contact from your Logs or Contacts list.
3. Tap **Save** to complete the assignment.

International Calls

1. From the Home screen, tap and then touch and hold 0 + until the device shows "+" on-screen.
2. Use the on-screen keypad to enter the country code, area code, and phone number.
3. If you make a mistake, tap once to delete a single digit.
   – or –
   Touch and hold to delete all digits.
4. Tap .

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Pause Dialing

You can dial or save phone numbers with pauses for use with automated systems, such as voicemail or financial phone numbers.

- **2-Second Pause** automatically sends the next set of numbers after a two-second pause. This is indicated in the number string as a comma (**,**).

1. From the Home screen, tap and use the on-screen keypad to enter the phone number.
2. Press and then tap **Add 2-sec pause**. This feature adds an automatic two-second pause.

3. Use the keypad to enter the additional numbers that will be dialed automatically after the second pause.

Tip: You can create pauses longer than two seconds by entering multiple 2-sec pauses.

---

4. Tap .

Wait Dialing

Inserting a Wait into your dialing sequence means that the phone waits until it hears a dial tone before proceeding with the next sequence of numbers.

- **Wait** sends the next set of numbers only after tapping Yes. This is indicated in the number string as a semicolon (**;**).

Note: Do not add multiple Waits (;) to a number string as this will continue to prompt you after each sequence.

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1. From the Home screen, tap and use the on-screen keypad to enter the phone number.
2. Press and then tap **Add wait**. This feature causes the phone to require your acceptance before sending the next set of entered digits.
3. Tap .
4. Once prompted to **Send the following tones?**, tap Yes to dial the remaining digits.

Redialing the Last Number

The device stores the numbers of the calls you've dialed, received, or missed if the caller is identified.

To recall any of these numbers:

1. From the Home screen, tap .
2. Tap the Recent (**Recent** tab) to display the list of recent calls.
3. Tap the name/number and tap .

Speed Dialing

Once you have stored phone numbers from your Contacts List, you can set up to 99 speed dial entries (2-100) and then dial them easily whenever you want, simply by touching the associated numeric key.

Note: Speed dial location #1 must be reserved for Voicemail use.

Setting Up Speed Dial Entries

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Important! Speed dial location #1 is reserved for Voicemail. No other number can be assigned to this slot.

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1. From the Home screen, tap → Keypad (**Keypad** tab).
2. Press and then tap **Speed dial setting**. The **Speed dial setting** screen displays a virtual list of locations with the numbers 2 through 100.
3. Tap an unassigned number slot. The **Select contact** screen displays.

4. Tap a contact and select a number to assign it to the speed dial location. The selected contact number/image is displayed in the speed dial number box.

Changing a Speed Dial Entry Order

1. From the Home screen, tap ➔ **Keypad** tab.
2. Press and then tap **Speed dial setting**.

Important! The number 1 is reserved for Voicemail and another number cannot be assigned to this slot.

---

3. Press and then tap **Change order**.
4. Tap the current entry then tap the new target speed dial location.

Note: Tapping 2 existing speed dial locations causes the entries to switch positions.

---

5. Tap **Done**. to store the change.
6. Press to return to the previous screen.

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Removing a Speed Dial Entry

1. From the Home screen, tap .
2. Press and then tap **Speed dial setting**.
3. Touch and hold a existing on-screen speed dial location and select **Remove** from the context menu.

   – or –

   Press and then tap **Remove**.
   Tap an entry and select (**Remove entry**).
   Select either **Done** (to complete the deletion) or **Cancel** (to exit).
4. Press to return to the previous screen.

Making a Call Using Speed Dial

You can assign a short cut number to a phone number in the Contacts List for speed dialing.

1. From the Home screen, tap .
2. Touch and hold a previously created speed dial location (numbers 2-100, or 1 if you are dialing voice mail) until the number begins to dial.
3. If you are not certain of the speed dial location, tap → → **Speed dial setting** and tap a speed dial number to view the assigned phone number.

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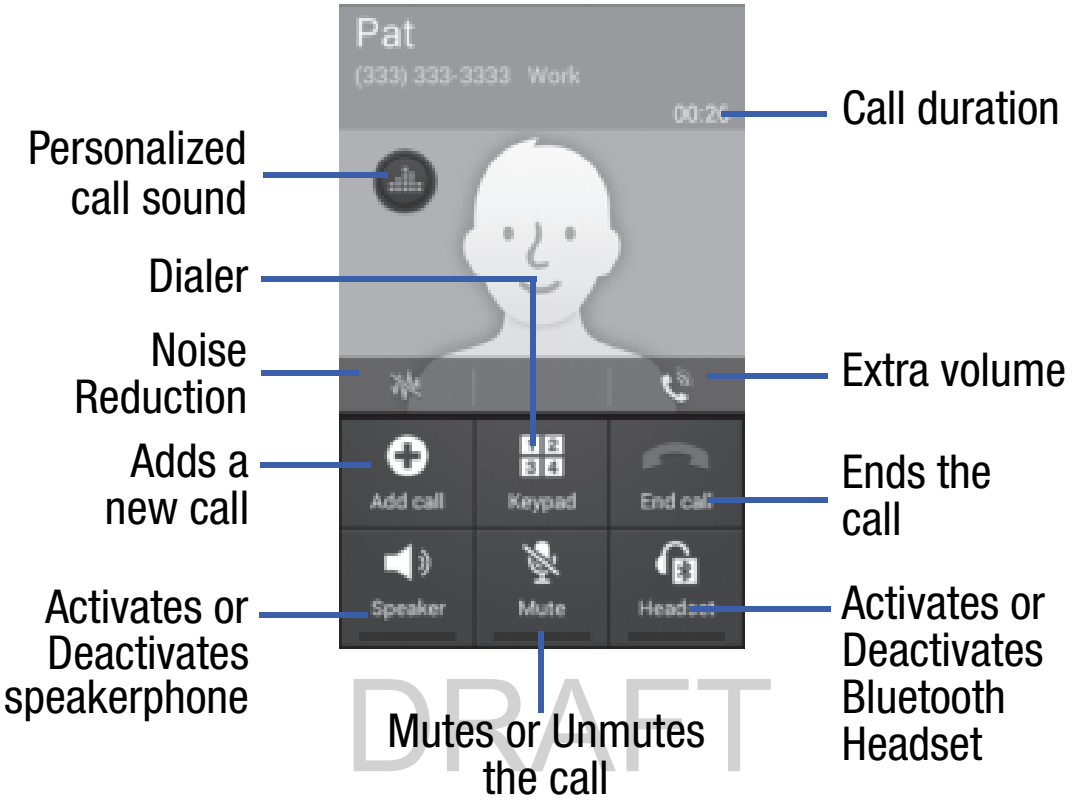
In Call Options

Your phone provides a number of features that are available for use during a call.



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Adjusting the Call Volume

During a call, use the Volume keys on the left side of the device, to adjust the earpiece volume.

- During a call, press the **Up** volume key to increase the volume level and the **Down** volume key to decrease the level.

  – or –

  Adjust the audio by enabling selecting an audio preset. Tap the on-screen **Personalize call sound** button select an equalizer setting for the incoming call.

- Enabled/disabled via the Call settings menu (**Call settings ➔ Personalize call sound**). For more information, refer to *"Configuring General Call Settings"* on page 258.

– or –

Quickly add more volume to the incoming audio by tapping the on-screen **Extra volume** button.

From the Home screen, you can also adjust the ring volume using these keys.

Adjusting Noise Reduction

During a call it may be necessary to adjust the noise reduction feature. Activating this feature can improve the quality of your conversation by reducing ambient noise.

1. Tap (**Noise reduction off**) to toggle the status and activate the feature.
2. Tap (**Noise reduction on**) to toggle the status and deactivate the feature.

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Personalizing the Call Sound Setting

During a call it may be necessary to adjust the sound of the incoming call by selecting an audio equalizer setting for the current call.

1. Tap (**Personalize call sound**).
2. Confirm the option is enabled .

Note: If prompted to enable the feature via the Call settings menu, go to **Call settings ➔ Personalize call sound ➔ In-call sound EQ**.

---

3. Select an available option. Choose from: Off, Soft sound, Clear sound, Adapt Sound left, and Adapt Sound right.

Placing a Call on Hold

You can place the current call on hold whenever you want. If your network supports this service, you can also make another call while a call is in progress.

To make a new call while a call is in progress:

1. Enter the new phone number that you wish to dial or look it up in Call history.
2. Once connected, tap **Add call** to dial the second call.
3. Dial the new phone number and tap .

Turning the Speakerphone on and off

While on a call, you can use your Speakerphone by following these steps:

1. Tap Speaker (**Speaker off**) to toggle the speakerphone on.
2. Tap Speaker (**Speaker on**) to toggle the speakerphone off.

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Tip: When the speaker is turned **On**, the color of the speaker is green. When the speaker is turned **Off**, the color of the speaker is white.

Muting a Call

1. Tap Mute (**Mute off**) to turn mute on so the other caller cannot hear you speaking.
2. Tap Mute (**Mute on**) to turn mute off and resume your conversation.

Switching to Bluetooth Headset

1. Pair the target Bluetooth headset prior to your call.
2. While on a call, switch to the Bluetooth headset instead of speaker by tapping Headset (**Headset off**).
3. At the prompt, tap **Turn on** to enable Bluetooth if it is not already activated.
4. While on a call, switch back to the device speaker by tapping Headset (**Headset on**).

More In-call Options

During a call you can save the current caller's information to the Contacts list, or create a Memo.

Viewing the Contacts List

During a call you can look up a number in the Contacts list.

1. Press and then tap **Contacts**.
2. Browse the Contacts list for the information you need.
3. Press to return to the active call.

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Creating a Memo During a Call

During a call it may be necessary to record information (a Note).

1. Press and then tap **Memo**.
2. Use the keyboard to enter the note then tap **Save**.

Creating a Message During a Call

During a call you can create a message.

1. Press and then tap **Message** → (**Compose**).
2. Address and create the message.
3. Review your message and tap (**Send**).

Multi-Party calls

Making a Multi-Party Call

A multi-party call is a network service that multiple people to participate in a multi-party or conference call.

For further details about subscribing to this service, contact customer service.

Setting up a Multi-Party Call

1. From the Home screen, tap .
2. Dial the number for the first participant and tap .
3. Once connected, tap **Add call**, enter the second phone number and tap . The first caller is placed on hold.
4. Wait for the second caller to answer the incoming call and tap **Merge**. The two calls are now joined into a multi-party call and display in the order in which they were called.

Important! Multiple callers can be joined to a single multi-party line. Additional callers participate in a new Multiparty session and are held in conjunction with the previous multiparty call.

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Call Waiting

You can answer an incoming call while you have a call in progress, if this service is supported by the network and you have previously set the Call waiting option to **Activate**.

You are notified of an incoming call by a call waiting tone.

To answer a new call while you have a call in progress:

1. In a single motion, touch and slide it in any direction to answer the new incoming call.

Note: The new caller appears at the top of the list. The previous caller is placed on hold and appears at the bottom of the list.

---

2. Tap **Swap** to switch between the two calls. This places the new caller on hold and activates the previous call.

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Recent Tab

The Recent tab is a list of the phone numbers (or Contacts entries) for calls you placed, accepted, or missed. The Recent tab makes redialing a number fast and easy. It is continually updated as your device automatically adds new numbers to the beginning of the list and removes the oldest entries from the bottom of the list.

The Notification area of the Home screen (upper left) displays phone notifications, status, or alerts such as:

Displays when a call is in progress.

Displays when a call was missed.

Accessing the Recent tab

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1. From the Home screen, tap ➔

(**Recent** tab).
2. Tap an entry to view available options.

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Note: The Recent tab only records calls that occur while the phone is turned on. If a call is received while it is turned off, it will not be included in your calling history.

Each entry contains the phone number (if it is available) and Contacts entry name (if the number is in your Contacts).

Indicates all outgoing calls made from your device.

Indicates any received calls that were answered.

Indicates a missed call.

Indicates any received calls that were rejected.

Indicates auto rejected calls.

Accessing Call log from The Notifications Area

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1. Locate from the Notifications area of the Status bar.
2. Tap the Status bar to reveal the Notifications tab, and then drag the tab to the bottom of the screen to open the Notifications panel.
3. Tap the Missed call entry to open the Logs screen.

This list provides easy access to redial an entry, or you can also choose to access two types of history entry lists depending on how they are touched.

Call logs - Caller Overview

- From the Recent list, tap a contact entry name or number to reveal the **Call options** screen:
  - **Create contact** to save the number if it is not already in your Contacts.
  - **View contact** to view the Contact details for the current entry.
  - **Update existing** to update an existing Contacts entry with the current number.
  - **Call** allows you to redial the entry by name or number.
  - **Send message** allows you to create a new text message to the selected entry.
  - **Time** provides the time and date of the call and its duration.
  - Press (**Menu**) to reveal additional options:
    - **Copy to dialing screen** to pass the current number to your dialer and then edit the selected number before you place your next outbound call.
    - **Delete** to delete the Contacts entry.
    - **Send number** to send the current Contacts entry information to an external recipient.
    - **Add to reject list** to add the current phone number to an automatic rejection list. Similar to a block list, the selected caller will be blocked from making an incoming calls to your phone.
- Touch and hold an entry to display the entry-specific contact menu:
  - **Copy to dialing screen** to make alterations to the current phone number prior to redial.
  - **Add to contacts** to save the number if it is not already in your Contacts.
  - **Send number** to send the current Contacts entry information to an external recipient.

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- **View contact** to view the information for the currently stored Contacts entry.
- **Add to reject list** to add the current phone number to an automatic rejection list. Similar to a block list, the selected caller will be blocked from making an incoming calls to your phone.
- **Delete** to delete the entry from the Logs list.

Altering Numbers from the Recent List

If you need to make a call from the Recent screen and you need to alter the number prior to dialing, you can add the appropriate prefix by prepending the number.

1. From the Home screen, tap ➔ **Recent** tab.
2. Touch and hold an entry to access the entry-specific context menu.
3. Tap **Copy to dialing screen**.
4. Edit the number using the on-screen keypad or delete digits by pressing to erase the numbers.
5. Tap once the number has been changed.

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Erasing the Call logs List

You can delete either an individual call log entry or all current entries from the Recent list.

To clear a single entry from the list:

1. From the Home screen, tap ➔ **Recent** tab.
2. Touch and hold an entry and select **Delete** ➔ **Delete**.

To clear all entries from the list:

1. From the Home screen, tap ➔ **Recent** tab.
2. Press and then tap **Delete.**
3. Tap **Select all**.
4. Tap **Delete** ➔ **Delete** to continue with the erasure.

   – or –

   Tap **Cancel** to stop the current process.

Call Duration

1. From the Home screen, tap ➔ **Recent** tab.
2. Press and then tap **Call duration**.
3. The following times are displayed for Voice and Data:
   - **Last call**: shows the length of time for the last call.
   - **Dialed calls**: shows the total length of time for all calls made.
   - **Received calls**: shows the total length of time for all calls received.
   - **All calls**: shows the total length of time for all calls made and received.

   You may reset these times to zero by pressing then tapping **Reset**.

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Viewing Missed Calls from Lock Screen

When you are unable to answer a call for any reason and your screen is locked, the number of missed calls are displayed on the Lock screen immediately after a call is missed.

1. Press (**Power/End**) to reactivate the screen.
2. Touch and drag the button (with the number of missed calls on it) anywhere on the screen. The Recent tab is then displayed.

Section 4: Entering Text

This section describes how to select the desired text input method when entering characters into your device. This section also describes the predictive text entry system that reduces the amount of key strokes associated with entering text.

Your device comes equipped with an orientation detector that can tell if the phone is being held in an upright (Portrait) or sideways (Landscape) orientation. This is useful when entering text.

Your device also provides several on-screen keypad text entry options to make the task of text entry that much easier.

Text Input Methods

There are two text input methods available:

- **Google voice typing**: provides a voice to text interface.
- **Samsung keyboard** (default): an on-screen QWERTY keyboard that can be used in both portrait and landscape orientation.
    - Swype is now embedded as part of the Samsung Keyboard called T9 Trace.
- **T9 Trace**: is enabled so as you can enter text as you swipe across the on-screen keyboard. Instead of tapping each key, use your finger to trace over each letter of a word.

The on-screen QWERTY keypad works the same in both portrait and landscape mode.

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Selecting the Text Input Method

The Text Input Method can be assigned from within one of two locations:

Settings Menu:

- From the Home screen, press and then tap **Settings** ➔ My device (**My device** tab) ➔ **Language and input** ➔ **Default** and select an input method.

Text Input field:

1. From a screen where you can enter text, in a single motion, touch and drag the Status bar down to the bottom of the screen to open the Notifications screen.
2. Tap (**Select input method**) and select an available input method.

Using the Samsung Keyboard

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This QWERTY keyboard can be used to enter text in either a Portrait or landscape orientation. The only difference between the two orientations are the sizes of the keys.

From a screen where you enter text, rotate your phone counter-clockwise to a landscape orientation. The on-screen QWERTY keyboard displays.

The Samsung Keyboard

This device has a built-in, QWERTY keypad (portrait mode) or keyboard (landscape mode). Using the QWERTY keypad/ keyboard, you can type letter, numbers, punctuation, and other characters.

To use the Samsung keyboard you must first configure the settings to default to the Samsung keyboard.

1. From the Home screen, press and then tap **Settings** ➔ My device (**My device** tab) ➔ **Language and input** ➔ **Default** ➔ **Samsung keyboard**.

   – or –

   From a screen where you can enter text, in a single motion, touch and drag the Status bar down to the bottom of the screen, then select (**Select input method**) ➔ **Samsung keyboard**.

2. The virtual keyboard is then assigned to the Samsung keyboard configuration for all subsequent text input.

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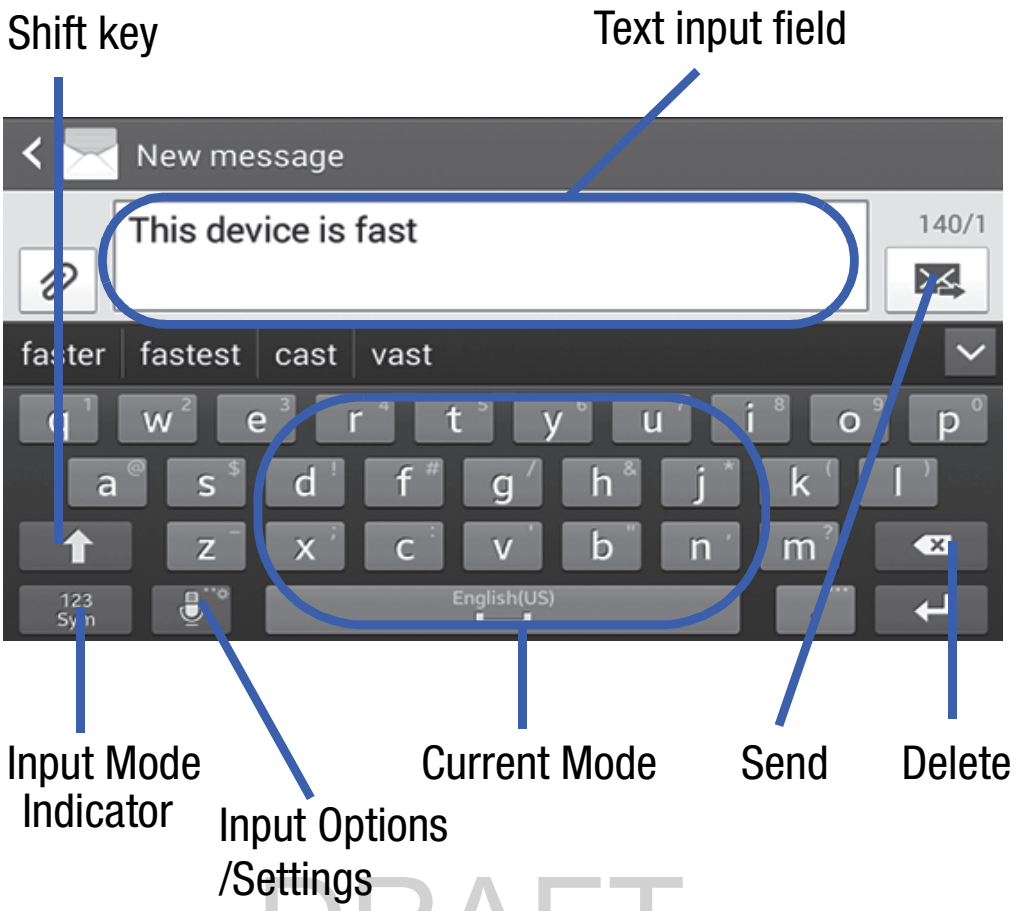

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For detailed information about the Samsung Keyboard settings, see *"Samsung Keyboard Settings"* on page 272.

For detailed information about using Predictive Text, see *"Predictive Text - Advanced Settings"* on page 273.

Entering Text using Different Input Options

Although the default text input method with the Samsung keyboard is to use the on-screen keys you have other options.

Note: To access settings, touch and hold the **Input Methods** button , then tap (**Settings**) then select it from the available options.

---

1. From within an active message, tap the text input field to reveal the on-screen keyboard.
2. Tap (**Input Methods**) to use the default Voice typing input method to convert your spoken words to on-screen text.

   – or –

   Touch and hold to select from other input methods such as:

   - **Handwriting** to launch an on-screen handwriting area that can be used to convert on-screen patterns (text) to text.
   - **Clipboard** to launch the device's clipboard area from where you can select a current clipboard item to place in your current message.
   - **Settings** to access the Samsung keyboard settings menu.

Changing the Text Input Mode in Keyboard

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1. From a screen where you can enter text, tap the text input field to reveal the on-screen keyboard.

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2. With Samsung keyboard as your text entry method, select one of the following text mode options:
   - **Abc** ABC : to use alphabetic characters from the on-screen keyboard. In this mode, the text mode button displays 123 Sym .
   - **Symbol/Numeric** 123 Sym : to enter numbers by pressing the numbers selecting them on the on-screen keyboard. In this mode, the text mode button displays ABC .

     There are up to 3 available pages of numeric symbols available by tapping 1/3 .

Note: After typing an initial uppercase character, tap ⬆ to toggle capitalization.

All lowercase

Displays when the next character is entered in lowercase.

Initial Uppercase

Displays when the first character of each word is entered as uppercase but all subsequent characters are lowercase.

All Uppercase

Displays when all characters will be entered as uppercase characters.

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By default, the first letter of a new entry is capitalized and the following letters are lowercased. After a character is entered, the cursor automatically advances to the next space.

Using ABC Mode in Samsung Keyboard

1. From a screen where you can enter text, tap the text input field to reveal the on-screen keyboard.
2. Tap ABC to configure the keyboard for ABC mode. Once in this mode, the text input type shows 123 Sym.

Note: After typing an initial uppercase character, the ⬆ key changes to ⬆ and all letters that follow are in lower case.

---

3. Enter your text using the on-screen keyboard.
   – If you make a mistake, tap ⌫ to erase a single character. Touch and hold ⌫ to erase an entire word.
4. Tap ✉ (**Send**) to deliver the message.

Using Symbol/Numeric Mode

Use the Symbol/Numeric Mode to add numbers, symbols, or emoticons. While in this mode, the text mode key displays ABC.

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1. From a screen where you can enter text, tap the text input field to reveal the on-screen keyboard. Rotate the phone counter-clockwise to a landscape orientation, if desired.
2. Tap 123 Sym to configure the keyboard for Symbol mode. Once in this mode, the text input type shows ABC.
3. Tap a number, symbol, or emoticon character.
4. Tap ABC to return to ABC mode.

To enter symbols:

1. Tap 123 Sym to configure the keyboard for Symbol mode.
2. Tap the appropriate symbol key.

   – or –

   Tap 1/3 button to cycle through additional pages.

   - The first number on this key indicates which page (1, 2, or 3) of additional characters is active.

Entering Text Using T9 Trace

T9 Trace allows you to enter a word by sliding your finger or stylus from letter to letter, lifting your finger between words. This input method uses error correcting algorithms and a language model to predict the next word.

T9 Trace Text Entry Tips

Use these T9 Trace text entry tips.

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- Create a squiggle (like an S shape) to create a double letter (such as **pp** in apple).
- Touch and hold a key to view the punctuation menu then make a selection.
- Move your finger or stylus over the apostrophe to enter contractions.
- Double-touch on the word you want to change to correct a misspelled word, then touch the delete key to erase one character. Touch and hold the delete key to erase an entire word.

Using the Google Voice Typing

This feature uses Google voice recognition to convert your spoken words into on-screen text.

You can use your voice to enter text using the Google Voice typing feature.

1. From the keyboard, touch the top of the screen and drag it down to display your notification panel.
2. Tap (**Select input method**) ➔ **Google voice typing**.
3. At the Listening prompt (**Speak now**), speak clearly and distinctly into the microphone.
   The text is displayed in the message as you are speaking.
4. Tap (**Done**) when you are finished.
   – or –
   Tap (**Resume**) to resume recognition.

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Note: The feature works best when you break your message down into smaller segments.

For detailed information about configuring Google Voice typing, For more information, refer to *"Configure Google Voice Typing"* on page 275.

Using Google Voice Typing

1. From a screen where you can enter text, in a single motion, touch and drag the Status bar down to the bottom of the screen, then select (**Select input method**) ➔ **Google voice typing**. The virtual keyboard is then removed and all subsequent input to done via the microphone as text to speech.
2. Speak into the device's microphone and watch your text being entered on-screen.
3. If the text is incorrect, tap **DELETE**.

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Section 5: Contacts

This section explains how to use and manage your Contacts List. You can save phone numbers to your device's memory.

Accounts

From the Accounts menu you decide if you want applications to synchronize, send, and receive data at any given time, or if you want the applications to synchronize automatically. After determining how you want the accounts to synchronize, indicate which account to synchronize with your Contacts list.

1. Sign in to your Google account.
2. From the Home screen, press ▤ and then tap **Settings** ➔ Accounts (**Accounts** tab) and then navigate to the **My accounts** area.

   – or –

   From the main **Settings** page, tap **Accounts** tab and then navigate to the **My accounts** area.

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Note: The Accounts area lists those accounts that have been added to the device and provides an **Add account** button to quickly and easily add new ones.

Contacts List

Creating a Contact

The default storage location for saving phone numbers to your Contacts List is your device's built-in memory.

If existing Google and Corporate email accounts have been synchronized to your phone, these will be made available to your device during the creation of new entries. These new Contacts entries can be assigned or saved to synced accounts such as Device, Google, or Corporate.

Your device automatically sorts the Contacts entries alphabetically. You can create either a **Device**, **Samsung account**, **Google**, or **Microsoft Exchange ActiveSync** contact.

Important! The Google and Microsoft Exchange ActiveSync account types are only visible after creating an email account of those types on your phone.

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- **Device** contacts are stored locally on the device.

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Note: If the device is ever reset to its factory default parameters, contacts stored on the phone can be lost.

- **Samsung account** contacts are shared with your existing Samsung account.
- **Google** contacts are shared with your existing Google account and can also be imported to your phone after you have created a Google Mail account.

- **Microsoft Exchange ActiveSync** (also known as Work or Outlook) contacts are those contacts that are intended to be shared with either an Exchange Server or from within Microsoft® Outlook®.
- **Add new account** lets you create a new account type.

To save a Number from your Contacts:

1. From the Home screen, tap (**Contacts**).
2. Tap + to create a contact.

Note: You can also add a new contact by entering a number from the keypad and pressing and then tap **Add to contacts** ➔ **Create contact**. Continue with step 3.

---

3. Tap a destination type (**Device**, **Samsung account**, **Microsoft Exchange ActiveSync**, or **Google**) (depending on where you want to save the new contact information).
4. Tap the **Name** field and enter a name for this contact using the displayed keypad.
   - Tap to access additional name entries such as: Name prefix, First name, Middle name, Last name, and Name suffix.
5. Tap the image icon and select a photo for this contact. Selections are: **Image**, **Pictures by people**, or **Take picture**.

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Note: The label entries below can change and are dependant on the selected destination type (ex: the Other and Custom might not appear with an Exchange ActiveSync account destination type).

6. Tap the label button (to the left of the **Phone** field) and scroll through the list to select a category such as **Mobile**, **Home**, **Main, Work**, **Work Fax**, **Home Fax**, **Pager**, **Other**, **Callback**, or **Custom**.
7. Tap a phone number field and enter a phone number.
   - Tap on the QWERTY keyboard to remove a previously entered phone number.
   - Tap to enter an additional phone number
   - Tap to remove a previously entered phone number.
8. Enter additional information such as: **Email**, **Groups**, **Ringtone**, **Message alert**, **Vibration pattern** or tap **Add another field** to input additional category information.
   - **Add another field** contains the following options: Phonetic name, Organization, IM, Address, Notes, Nickname, Website, Events, or Relationship.
   - Use your finger to slide the page up or down to see additional fields and categories.
9. Tap (**Save**) to complete and store the new entry.

   – or –

   Tap (**Cancel**) to delete the current entry.

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To save a Number from your Keypad:

1. From the Home screen, tap (**Phone**).
2. Enter a phone number using the on-screen dialpad.
3. Tap **Add to contacts** ➔ **Create contact** or select the Contact entry from the on-screen list.

   – or –

   Press and then tap **Add to contacts** ➔ **Create contact** or select the Contact entry from the on-screen list.

   - If you're updating an existing contact, tap the entry from the list and proceed to step 5.
4. Tap a destination type (**Device**, **Contacts**, **Samsung account**, **Microsoft Exchange ActiveSync**, or **Google**) (depending on where you want to save the new contact information).
5. Fill in the desired fields.
6. Tap (**Save**) to complete and store the new entry.

   – or –

   Tap (**Cancel**) to delete the current entry.

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Note: For further details about how to enter characters, see *"Text Input Methods"* on page 76

Finding a Contact

You can store phone numbers and their corresponding names onto your device's built-in memory or an external location (such as Google or Exchange). They are all physically separate but are used as a single entity, called Contacts.

1. From the Home screen, tap (**Contacts**).
2. Swipe up or down until you see the contact displayed.

   – or –

   Tap the **Search** field and begin entering the entry's name. Matching entries are then displayed. This process filters through all of your current account Contact entries to only show you the matching entries.

   – or –

   In a single motion, touch and hold the letter tab area (on the right) until on-screen letters appear, then scroll through the list. You are then taken to that section of the Contacts list. Tap the contact entry.

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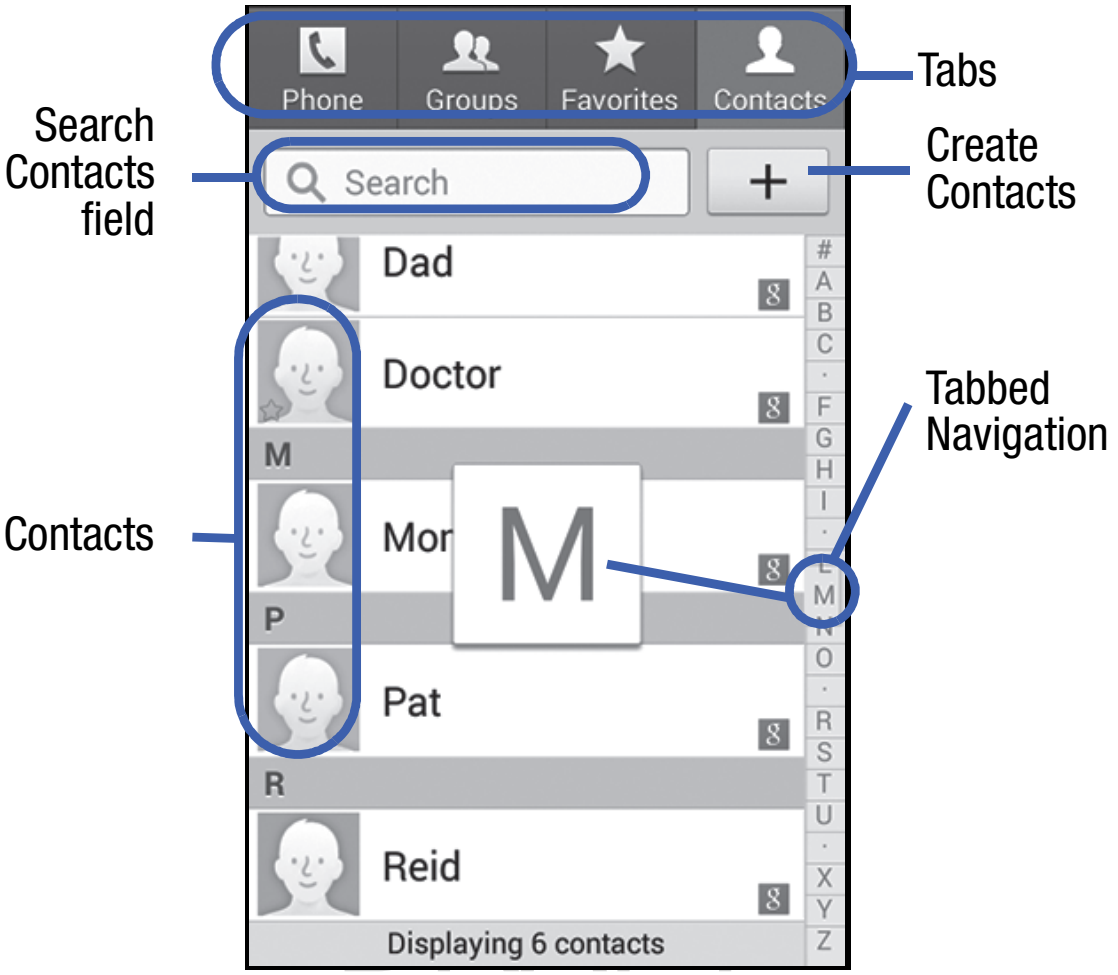

Editing Contact Information

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1. From the Home screen, tap .
2. Tap a contact name from the list and tap (**Edit**).

   – or –

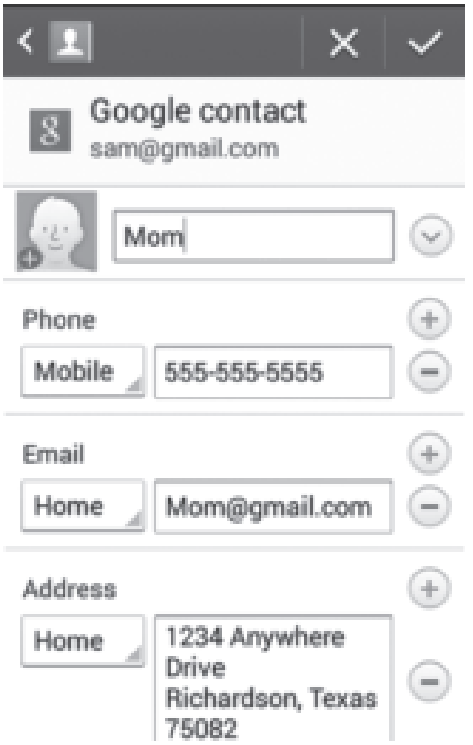
   Select a contact name and press and then tap **Edit**.
3. Edit the contact information then:
   - Tap **Save** to complete and store the new entry or
   - Tap **Cancel** to delete the current entry.

Adding a Number to an Existing Contact

1. From the Home screen, tap .
2. Tap a contact name from the list and tap (**Edit**).
3. Tap a phone number field and enter a phone number.
   - Tap on the QWERTY keyboard to remove a previously entered phone number.
   - Tap to enter an additional phone number
   - Tap to remove a previously entered phone number.
4. Enter additional information such as: **Email**, **Groups**, **Ringtone**, **Message alert**, **Vibration pattern** or tap **Add another field** to input additional category information.
   - **Add another field** contains the following options: Phonetic name, Organization, IM, Address, Notes, Nickname, Website, Events, or Relationship.
   - Use your finger to slide the page up or down to see additional fields and categories.
5. Tap (**Save**) to complete and store the new entry.

   – or –

   Tap (**Cancel**) to delete the current entry.



Contact Details Screen

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Adding a Pause or Wait to an Existing Contact

1. From the Home screen, tap and use the on-screen keypad to enter a new phone number.
2. Press and then tap **Add 2 sec pause**. This feature adds an automatic two-second pause.

   – or –

   Press and then tap **Add wait**. This feature causes the phone to require your acceptance before sending the next set of entered digits.
3. Tap **Add to contacts** ➔ **Update existing**.
4. Scroll through the available list of existing entries and select the desired target.

Note: This new phone number is then added as a new number to the selected entry.

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5. Tap the label button (to the left of the new phone number) and scroll through the list to select a category type.
6. Tap **Save** to store and update the entry.

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Deleting Contacts

Important! Once Contacts list entries are deleted, they cannot be recovered.

---

1. From the Home screen, tap .
2. Touch and hold a contact name from the list and select **Delete** ➔ **OK**.

Contact List Options

1. From the Home screen, tap .
2. Press . The following options display:
   - **Delete**: allows you to delete 1 or more of your contacts.
   - **Import/Export**: imports or exports contacts to or from the USB storage location, and SD card.
   - **Share namecard via**: allows you to send Namecards via methods such as Bluetooth, Email, Gmail, Messages, or Wi-Fi Direct.
   - **Merge accounts**: allows you to merge all of your current Contact entries with either your active Google or Samsung account. If several of your contacts are from other external sources, this allows you to “back them up” or copy them to your Samsung account. Tap **OK** to continue or **Cancel** to exit.
   - **Accounts**: allows you to add and manage mobile accounts on Samsung account, Google, LDAP, Microsoft Exchange ActiveSync, or Server. This option also allows you to manually synchronize all of your current contacts with their respective accounts.
   - **Speed dial setting**: allows you to set up speed-dialing.
   - **Send message/email**: allows you to send a text /picture message or an email using your Google account.
   - **Contacts to display**: allows you to choose to display All contacts, those on your Device, Samsung account, Gmail, or only display contacts that are part of a Customized list.

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- **Settings**: allows you to configure where you save new contacts to, or view your service numbers, or send contact information.
  Options include: Only contacts with phones, List by, Display contacts by, and Contact sharing settings.
- **Help**: displays on-screen help information for Contacts.

Contact Menu Options

1. From the Home screen, tap .
2. Touch and hold an entry to reveal the context menu. The following options display:
   - **Delete**: allows you to delete the currently selected Contacts entry.
   - **Share via**: allows you to send the current Contact entry's information to an external recipient via either **Bluetooth**, **Email** (Exchange or Internet), **Gmail**, **Messages**, or **Wi-Fi Direct**.
   - **Link contact**: allows you to link the current contact to another current contact. Similar to a "see also" feature. If you can't remember a contact's information, linking entries can help you find the person you are looking for.
   - **Add shortcut to home**: adds a shortcut to the current Contacts entry to an available screen location.

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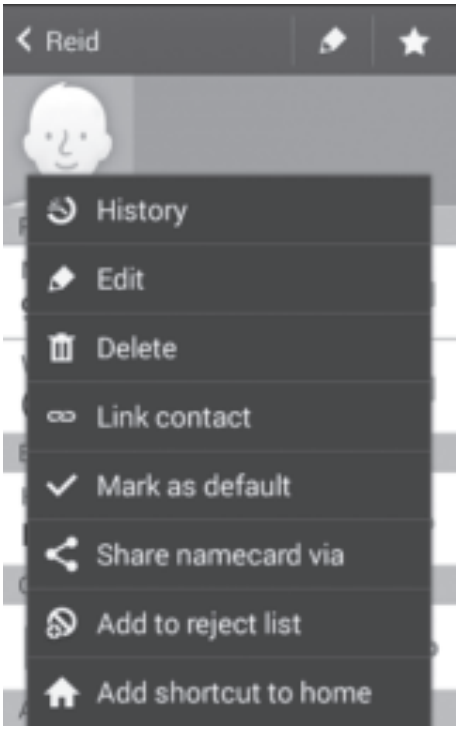
Contact Entry Options

1. From the Home screen, tap .
2. Tap an entry to reveal the **Contact entry's Overview Screen**. This screen contains Name, contact numbers, email, and linked contact information.
3. Press to reveal the context menu specific to this entry.
4. Tap an available option.



Contact Overview Screen

Linking Contact Information

Most people now maintain multiple email accounts, social networking logins, and other similar account information. For example, a Facebook account login name might differ from a corporate email account login because they are maintained separately and for different groups of people.

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This device can synchronize with multiple accounts. When you synchronize your phone with those accounts, each account creates a separate contact entry in the Contacts list.

If one of your contacts (Amy Smith) has a regular email account that you maintain in Gmail, but also has a Facebook account under her maiden and married name, as well as a Video! chat account, when you merge those accounts into your Contacts list you can join all of her entries and view the information in one record.

Joining contact information makes sending messages easy. You can select any account email address or information all from one screen, versus searching multiple, individual screens to locate the desired account information.

Next time you synchronize your device with your accounts, any updates contacts make to email account names, email addresses, etc. automatically update in your contacts list.

1. From the Home screen, tap .
2. Tap a contact name (the name you want to link to another entry) to reveal the **Contact entry's Overview Screen**.

Note: Typically this is the same contact with a different name or account information.

---

3. Press and then tap **Link contact**.
4. Tap the second contact entry (the entry in which to link). The second contact is now linked with the first and the account information is merged into one screen.

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Note: The information is still maintained in both entries, but displays in one record for easier viewing when you link the contacts.

Important! It is the first contact image that is displayed for both, and the first contact's name that is used.
For example: If Amy (original entry) is joined with Julie (second entry). Julie seems to disappear and only Amy remains. Tap the Amy entry (showing the Amy image) to view both.

5. Tap the main linked contact to view the contact information you linked. The contacts and information displays with an icon next to the contact name to indicate what type of account information is contained in the entry.

Unlinking a Contact

1. From the Home screen, tap .
2. Tap a contact name (the account name from which you want to unlink an entry). This reveals the details for entry.

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Note: Typically this is the same contact with a different name or account information.

3. Tap the link icon within the **Connection** area.
   – or –
   Press and then tap **Separate contact**.
4. Tap next to the entry you want to unlink and select **OK**.
   The contacts are "unlinked" or separated and no longer display in the merged record screen. Both contacts now go back to being separately displayed.

Marking a Contact as Default

When you use applications such as the Voice Dialer or other messaging type applications, the application needs to know which information is primary (default) in a contact entry list. For example, when you say “Call John Smith”, if you have three phone records for John Smith, the Voice dialer is looking for the “default” number or entry.

The **Mark as default** option marks one entry in a contact record to use as the default. This comes in handy when you have multiple entries for the same person.

1. From the Home screen, tap .
2. Tap a Contact entry.
3. Press and then tap **Mark as default**. The Mark as default screen displays radio buttons next to the contact name, phone number, or other contact information.
4. Tap the radio button next to the entry information you want to be the primary information (such as name, phone number, or email) and select **Done**.

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Note: If there are multiple phone numbers assigned to an entry, assigning one as the default will automatically dial that number when the contact is selected for dialing.

Sending a Namecard

A Namecard contains contact information, and can be sent to recipients as a Virtual Business Card (V-card) attachment using Bluetooth, Google Mail, or as a message.

1. From the Home screen, tap .
2. Tap a Contact entry.
3. Press and then tap **Share namecard via** and select a delivery method: **Bluetooth**, **Email** (Exchange or Internet), **Gmail**, **Messages**, or **Wi-Fi Direct**.

   The Namecard attaches to the selected message type and is delivered when you send the message.

Note: Email appears as an option only after an Internet or Exchange email account has been created.

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Sending All Current Namecards

Rather than selecting once Contact entry at a time, you can send all of your current entries at once.

1. From the Home screen, tap .
2. Press and then tap **Share namecard via**.
3. Tap **Select all** to place a check mark alongside all currently displayed Contact entries.
4. Tap **Done** and select a delivery method:
   - **Bluetooth** to transmit the contacts to another bluetooth-compatible device.

- **Email** to attach the contact cards to a new outgoing email (Exchange or Internet).
- **Gmail** to attach the contact cards to a new outgoing Internet-based email.
- **Messages** to attach the contact cards to a new outgoing text message.
- **Wi-Fi Direct** to transmit the entries to another Wi-Fi Direct enabled device.

Sending a namecard using Bluetooth

You must create a Contact prior to sending a Namecard to a recipient. For more information, refer to *"Creating a Contact"* on page 87.

1. From the Home screen, tap .
2. Touch and hold the entry to reveal the on-screen context menu.
3. Tap **Share via** → **Bluetooth**.

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Important! You must activate Bluetooth to use this feature.

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4. Tap the Bluetooth device in which to send this Namecard. Bluetooth forwards the Namecard to the recipient.

Copying Contact Information

Copying Contact Information to the microSD Card

This procedure allows you to copy entry information saved on the phone's memory, onto the SD Card.

1. From the Home screen, tap .
2. From the Contacts List, press and then tap **Import/Export** ➔ **Export to USB storage**.
3. Tap **OK** to choose all current phone contact entries.

Synchronizing Contacts

Syncing data from your managed accounts allows you to add and manage a new or existing contact from your online or remote accounts to your phone. Prior to syncing, you must first have an active Google or Microsoft Exchange account with current Contact entries, and be signed into your account via the phone.

With syncing, any Contacts entries (with phone numbers, email addresses, pictures, etc.) are updated and synced with your device.

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1. From the Home screen, press and then tap **Settings** ➔ Accounts (**Accounts** tab) and then navigate to the **My accounts** area.
2. Select the email account containing the contacts you wish to synchronize.
3. Tap within the adjacent account field to reveal the account's synchronization settings screen.
   - If appears within the adjacent account field, this indicates a sync error.

4. To synchronize only Contacts, toggle the active state of the **Sync Contacts** field. A green check mark indicates the feature is enabled.

Note: The process of updating your Contacts tab can take several minutes. If after 10-20 minutes, your list has not been updated, repeat step 2-3.

---

5. Your **Contacts** tab then reflects any updated Contact information.

Note: Syncing of contacts requires you are logged into your Gmail and Corporate accounts via the device.

Display Options

The Display options menu allows you to allows you to choose which contacts to display. You can also choose to display only contacts that have phone numbers.

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Note: Once a display filter has been selected, only those Contact entries are shown until the **All contacts** option is re-selected.

---

1. From the Home screen, tap .
2. Press and then tap **Contacts to display**. Select any of the following to filter according to the selection:
   - **All contacts** allows you to display all available Contacts.
   - **Device** lists those Contacts currently found only on your device.

- **Samsung account** lists those Contacts currently found and sync'd within the Samsung account.
- **Google** lists those Contacts currently found within the Google account.
- **Microsoft Exchange ActiveSync** lists those Contacts currently found within the Exchange account.
- **Customized list** allows you to enable which account categories are displayed. For example, on Google contacts, you can filter which Contact categories are shown (Friends, Family, etc..)

Adding more Contacts via Accounts and Sync

When you synchronize applications such as Facebook, Twitter, MySpace, a corporate email account, or Google, using the Accounts and sync option synchronizes the data from the selected account type with your Contacts list.

1. From the Home screen, press and then tap **Settings** ➔ Accounts (**Accounts** tab) then navigate to the **My accounts** area.
2. Tap **Add account**.
3. Determine which type of account information you want to synchronize with your Contact list. Selections are: **Samsung account, Email, Google, LDAP, Microsoft Exchange ActiveSync, Server, Sync apps with Facebook,** or **Twitter**.
4. Tap an account type to add.
5. Follow the prompts. The selected account type synchronizes with your Contacts list.

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6. After synchronizing accounts you may want to link contact information. For more information, refer to *“Linking Contact Information”* on page 97.

To add Facebook content to your Contacts list:

You can now add your Facebook contact information, such as pictures, email, and phone numbers directly to your Contacts list. All of their current contact information is then migrated over to your phone. If a Contacts entry already exists with a slightly different name, separate entries are created and can later be linked (joined) together into a single entry.

Important! This process not only synchronizes your contact information but also your status, events, and more.

---

1. From the Home screen, tap (**Apps**) ➔ (**Play Store**).
2. Search for and select the **Facebook** app.
3. When you are prompted to download the Facebook application from the Play Store.
   - Tap **INSTALL** ➔ **ACCEPT** to complete the process.
   - Tap **OPEN** to launch the application.
4. Log into your Facebook account:
   - Enter your account’s access **Email** and **Password** information and tap **Log in**.
5. If prompted, configure any requested optional permissions and tap **Log in**.
6. If prompted, select a Contacts Sync option.
7. Tap **Done** to complete the login and sync process.

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To resync Social Network Contacts:

1. From the Home screen, press and then tap **Settings** → **Accounts** tab and then navigate to the **Accounts** area.
2. Tap **Facebook** and toggle the check mark alongside the desired fields.
3. Choose the parameters to sync (ex: Sync Calendar, Sync Contacts, or Sync Gallery) and tap **Sync now**.

Note: From the main Accounts and sync page you can also tap **Sync all** to resync all accounts.

Additional Contact Options

Sending an Email to a Contact

Note: Contacts must contain and email account and address before you can use the Send email feature.

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1. From the Home screen, tap .
2. Press and then tap **Send message/email** → **Send email**. Contacts that contain an email address display.
3. Tap the contact(s) to which you want to send an email. A check mark displays next to the selection.

Note: The select contact must have an email as part of their details screen.

---

4. Tap **Done**.
5. Select an email account type.

6. Compose the email and tap **Send**.

Export/Import

For more information, refer to *"Copying Contact Information"* on page 103.

Contact List Settings

From this menu you can determine the default storage location for Contacts, display your phone's primary number, and view service numbers listed in your Contact list.

1. From the Home screen, tap .
2. Press and then tap **Settings**. Configure any of the following options:
   - **Only contacts with phones** allows you to display only those contacts containing phone numbers.
   - **List by** defines how the current list of Contacts are sorted: **First name** or **Last name**.
   - **Display contacts by** defines how the current list of Contacts are listed: **First name first** (ex: Steve Smith) or **Last name first** (Smith, Steve).
   - **Contact sharing settings** allows you configure how your Contacts entries are sent: individually or as a single file containing all available entries. Tap **Settings** to select a share setting.
     – **Send all namecards** allows you to set your Contact sharing option to all so that your entire Contacts entries are sent as a group and not as multiple single files. If all your entries are selected only a single file is sent.

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Note: Your destination device must support this feature or no entries will be received by the external device.

– **Send individual namecards** allows you to set your default to send individual contacts one at a time. Even if you select all your entries, each is sent individually.

Groups

This feature allows you to add a new or existing contact to a call group. This group can be one of the already present groups (Family, Friends, or Work) or a user-created group.

Creating a New Caller Group

1. From the Home screen, tap ➔ Groups (**Groups** tab).
2. Press and then tap **Create**.
3. Tap the **Group name** field and use the on-screen keypad to enter a new group name. For more information, refer to *"Text Input Methods"* on page 76.
4. Tap **Group ringtone** and select a ringtone for the group. Selections are: **Default ringtone, Ringtones** (select from available ringtones) or **Add** (to navigate your device and select an existing audio file).
5. Tap **Message alert** and select a message alert ringtone to be associated with this group.
6. Tap **Vibration pattern** and select a unique vibration pattern either from an available list or Create your own. This pattern is then associated with this group.
7. Tap **Add member** to add Contacts to the new group.

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8. From the available list of contacts, tap the contact(s) you want to add. A check mark displays next to contact entry. Then tap **Done**.

   – or –

   Tap **Select all** to place a check mark alongside all current entries. Then tap **Done**.

9. Tap **Save** to store the newly created group.

Note: Some externally maintained group types (such as Google) can only be managed or updated remotely online vs via the device. These external types will not allow editing or deleting members locally via the phone.

Adding an Existing Entry to a Current Caller Group

1. From the Home screen, tap ➔ Groups.
2. Tap a group entry ➔ (**Add group member**).
3. From the available list of contacts, tap the contact(s) you want to add. A check mark displays next to contact entry.
4. Tap **Done**. The selected contacts are added to the group.

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Removing an Entry From a Caller Group

1. From the Home screen, tap → Groups.
2. Tap a group entry.
3. Press and then tap **Remove member**.
4. Tap all of the contacts you want to remove from this group. A check mark displays next to contact entry.
5. Tap **Done**.The contacts are removed from the group.

Editing a Caller Group

To edit a Group entry, there must be at least one member as part of the selected group.

1. From the Home screen, tap → Groups.
2. Touch and hold a group entry then select **Edit group**.
3. Make modifications to the **Group name**, **Group ringtone**, **Message alert**, **Vibration pattern** fields, or **Add member**.
4. Tap **Save**.

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Deleting a Caller Group

1. From the Home screen, tap → Groups.
2. Press and then tap **Delete groups**.
3. Select either **Select all** or tap the desired group.
4. Tap **Delete**.
5. Select either the **Group only** or **Group and group members**.
6. Tap **OK**.

Sending a Message to a Group

1. From the Home screen, tap ➔ Groups.
2. Tap an existing group, and press and then tap **Send message**.

   – or –

   Touch and hold a group entry and select **Send message**.
3. Select the recipients of the new message (indicated by a green check mark). If an entry contains multiple phone numbers, each must be selected individually.
4. Tap **Done**.
5. Type your message, and tap (**Send**).

The Favorites Tab

The Favorites tab is a list of the phone numbers that have been designated as favorite contacts.

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1. From the Home screen, tap .
2. Tap Favorites (**Favorites** tab).

Adding a contact to your favorites list:

1. From within the Favorites tab, press and select **Add to Favorites**.
2. Place a check mark alongside those current Contacts entries you wish to assign as favorites.
3. Tap **Done** to complete the process.

Section 6: Messages

This section describes how to send or receive different types of messages. It also explains the features and functionality associated with messaging.

Types of Messages

Your device provides the following message types:

- Text Messages
- Multimedia (Picture, Video, and Audio) Messages
- Email and Gmail Messages
- Hangouts

The Short Message Service (SMS) lets you send and receive text messages to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's message service.

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The Multimedia Messaging Service (MMS) lets you send and receive multimedia messages (such as picture, video, and audio messages) to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's multimedia message service.

Important! During the creation of a text message, adding an image, sound file, or video clip automatically changes it from a text message (SMS) to a multimedia message (MMS).

Message Icons on the Status Bar

Messages icons are displayed on the Status Bar at the top of the display when new messages are received. For more information, refer to *"Status Bar"* on page 28.

Note: The Messages application can also be accessed by pressing and then tapping (**Apps**) ➔ (**Messages**).

Creating and Sending Messages

1. From the Home screen, tap (**Messages**) ➔ (**Compose**).
2. Tap the **Enter recipient** field to manually enter a recipient.

   – or –

   Tap to select from one of the following:

   - **Groups**: to select a recipient from the Group list.
   - **Favorites**: to select a recipient from the Favorites list.
   - **Contacts**: to select a recipient from your Contacts list (valid entries must have a wireless phone number or email address).
   - **Recent**: to select a recipient from a list of recently sent messages.
3. If adding a recipient from either Recent, Contacts, or Group, tap the contact to place a check mark then tap **Done**. The contact displays in the recipient field.

Note: Delete any unnecessary members by tapping their name/number in the recipient area and selecting **Delete**.

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4. Add more recipients by tapping either the **Enter recipient** field or and selecting recipients.
5. Tap the **Enter message** field and use the on-screen keypad to enter a message. For more information, refer to *"Text Input Methods"* on page 76.
6. Review your message and tap (**Send**).
7. If you have more than one recipient, the same text message is sent to all recipients in the Enter Recipients field.

Note: If you exit a message before you send it, it will be automatically saved as a draft.

Quick Messaging a Number from the Contacts List

1. From the Home screen, tap (**Contacts**).
2. Locate an entry from the Contacts list.
3. In a single motion, touch and drag your finger over the number by going to the left. This action addresses a new text message to the selected recipient.

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Message Options

Options before composing a message

1. From the Home screen, tap (**Messages**).
2. Before composing a message, press from the main Messages screen to display additional messaging options:
   - **Search**: allows you to search through all of your messages for a certain word or string of words. Use the on-screen keypad to enter a word or phrase in which to search, then tap . For more information, refer to *"Message Search"* on page 124.
   - **Delete threads**: allows you to delete any message thread. Select the messages to delete and a green check mark will appear next to the message. Tap Delete. For more information, refer to *"Deleting a single message thread"* on page 123.
   - **Draft messages**: displays the draft messages folder and its contents.
   - **Locked messages**: displays the locked messages folder and its contents.
   - **Scheduled messages**: displays the scheduled messages folder and its contents.
   - **Spam messages**: displays the spam messages folder and its contents.
   - **Settings**: allows you to access the Messages settings. For more information, refer to *"Messages Settings"* on page 124.
3. From the Messages screen list, touch and hold an on-screen message and select an option:
   - **Delete**: deletes the entire message and its bubbles. Deleting a single message thread. For more information, refer to *"Deleting a single message bubble"* on page 123.

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- **Save messages**: allows you to store the selected message text in a target location.
- **View contact**: allows you to view the current entry information for the sender.
- **Add to contacts**: allows you to add the sender to either a new or existing Contacts entry.
- **Add to spam numbers**: allows you to tag a number as spam so that these messages can be directly delivered to your spam folder.

Options while composing a message

1. From the Home screen, tap (**Messages**).
2. From within an open message, press to display additional messaging options:
   - **Delete messages**: allows you to delete selected messages bubbles from the currently opened message string.
   - **Insert smiley**: allows you to add insert smiley icons images (emoticons).
   - **Add text**: allows you to add text items from sources such as: Memo, Calendar, Location, Contacts, and Text templates.
   - **Preview** (only in MMS): allows you to add preview the MMS message prior to delivery.
   - **Add to contacts**: allows you to add the sender to either a new or existing Contacts entry.
   - **View contact**: reveals the current Contact's overview screen.
   - **Add slide**: converts an SMS message into an MMS (Multimedia) message and allows you to attach an existing slideshow.
   - **Remove slide**: allows you to remove a previously attached slideshow.

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- **Add subject**: allows you to enter a subject.
- **Duration (5 secs)** (only in MMS): allows you to change the duration of the image slideshow.
- **Layout (bottom)** (only in MMS): allows you to change the layout.
- **Add recipients**: allows you to enter additional recipients to the message.
- **Save messages**: allows you to save selected messages bubbles from the currently opened message string.
- **Scheduling**: allows you to schedule a time for the current message to be delivered.
- **Add to spam numbers**: allows you to tag a number as spam so that these messages can be directly delivered to your spam folder.
- **Priority level**: allows you to assign a priority level to the current message.
- **Discard**: closes the current open message.

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Adding attachments to a message

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To add an attachment to your message, tap (**Attach**) and select one of the following options:

- **Image**: allows you to tap an existing image from your Pictures list to add it to your message.
- **Take a picture**: allows you to temporarily exit the message, take a photo with phone's camera, and then add it to your message by tapping **Save**.
- **Video**: allows you to choose an existing video from the Videos list, then add it to your message.

- **Record video**: allows you to temporarily exit the message, record a video clip using the phone's camera, and then add it to your message by tapping **Save**.
- **Audio**: allows you to choose an existing audio file from the Audio list, then add it to your message by tapping the circle to the right of the audio so that it turns green, then tapping **Done**.
- **Record audio**: allows you to temporarily exit the message and record an audio clip using the phone's microphone. It is then automatically attached to the message.
- **Memo**: allows you to add a Memo that you have created.
- **Calendar**: allows you to add an event from your calendar.
- **Location**: allows you to attach a thumbnail of a map showing your location.
- **Contacts**: allows you to tap on an existing Address Book entry, then add it to your message by tapping **Done**.

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Adding Additional Text

You can copy text such as names, phone numbers, and events from your Contacts, Calendar, or a Memo.

1. While composing a message, press ☰ → **Add text**.
2. At the Add text screen, select one of the following:
   - **Memo**: allows you to insert text from an existing Memo.
   - **Calendar**: allows you to add the name, date, and time of a calendar event to your message.
   - **Location**: allows you to add an address and the link to the location on Google Maps.

- **Contacts**: allows you to add the name and phone number of any of your contacts to your message.
- **Text templates**: allows you to add pre-defined phrases and sentences. For more information, refer to *"Text Templates"* on page 132.

The information is added to your message.

Viewing Newly Received Messages

When you receive a message, your phone notifies you by displaying within the Notification area at the top left of your Home screen.

To read a message:

1. Open the Notification Bar and select the message. For more information, refer to *"Notification Bar"* on page 39.

   – or –

   From the Home screen, tap then tap the new message to view its contents. The selected message displays on the screen.

2. Tap to play a multimedia message.
   - To pause playback of the multimedia message, tap .
3. In a single motion, touch and drag up or down the page to scroll through the message (if additional pages were added).

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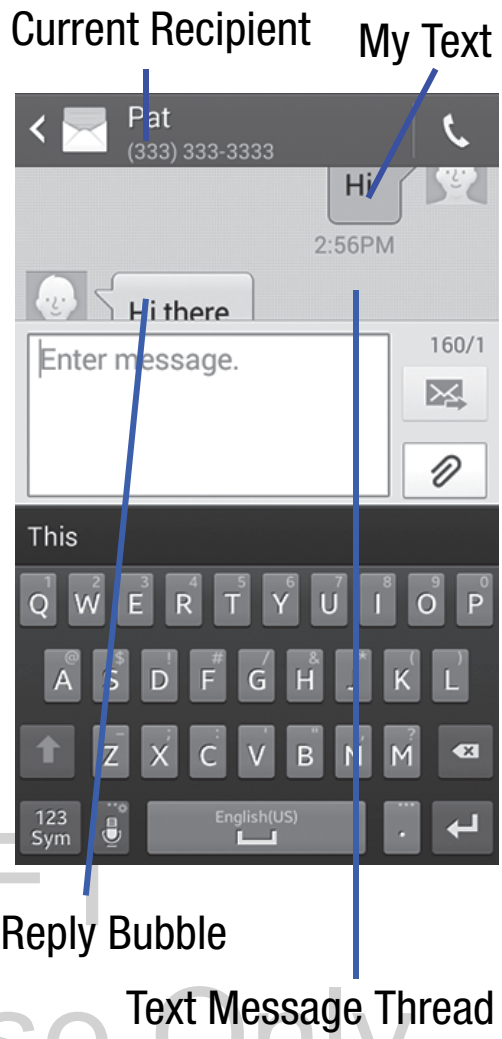
Message Threads

Sent and received text and picture messages are grouped into message threads. Threaded messages allow you to see all the messages exchanged (similar to a chat program) and displays a contact on the screen.

Message threads are listed in the order in which they were received, with the latest message displayed at the top.



To reply to a text message:

1. From the Home screen, tap .
2. While the message is open, tap the **Enter message** field and then type your reply message.
3. Compose your reply.
   Your texts are colored Blue and your caller's replies are Yellow.
4. Tap (**Send**) to deliver your reply.
   – or –
   Press and then select one of the available message options (page 116).

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To access message thread options:

- From the main Messages screen, touch and hold the message to display the following options:
  - **Delete**: deletes the currently selected message thread.
  - **View contact**: allows you to view the current entry information for the sender.
  - **Add to contacts**: allows you to add the sender to either a new or existing Contacts entry.
  - **Add to spam numbers**: adds the current sender to a spam list. ny new texts from this sender are automatically blocked.

To access additional Bubble options:

- Touch and hold the message bubble within an active message conversation to display the following options:
  - **Delete**: deletes the currently selected message bubble from the thread.
  - **Copy text**: copies the currently selected message bubble from the thread.
  - **View slideshow**: allows you to view any attached multimedia files as a slideshow.
  - **Forward**: allows you to forward the currently selected message bubble to an external recipient.
  - **Lock/Unlock**: locks or unlocks the currently selected message bubble from being accidentally deleted.
  - **Save attachment**: copies the currently selected bubble content (ex: attachment or multimedia file) and copies it to the default storage location.

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- **View message details**: displays details for the currently selected message bubble.

Deleting Messages

Deleting a single message thread

1. From the Messages screen, touch and hold a message from the Messages list, then select **Delete**.
2. At the prompt, tap **OK** to delete or **Cancel** to exit.

Deleting multiple message threads

1. From the Messages screen, press ☰ and then tap **Delete threads**.
2. Tap each message thread you want to delete. A check mark displays beside each selected message.
3. Tap **Delete**.
4. At the prompt, tap **OK** to delete or **Cancel** to end the process.

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Deleting a single message bubble

1. From the Messages screen, open a message to reveal the message string.
2. Touch and hold a message bubble, then select **Delete**.
3. At the prompt, tap **OK** to delete or **Cancel** to exit.

Deleting multiple message bubbles

1. From the Messages screen, open a message to reveal the message string.
2. Press ☰ and then tap **Delete messages** then select each message bubble you want to delete. A check mark displays beside each selected message.

3. Tap **Delete**.
4. At the prompt, tap **OK** to delete or **Cancel** to end the process.

Message Search

You can search through your messages by using the Message Search feature.

1. From the Messages screen, press ☰ and then tap **Search**.
2. Use the on-screen keypad to enter a word or phrase in which to search, then tap 🔍 .
3. All messages that contain the entered search string display.

Messages Settings

To configure the settings for text messages, multimedia messages, Voicemails, and Push messages.

- From the Messages screen, press ☰ and then tap **Settings**.

The following Messages settings are available:

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General settings

- **Delete old messages**: deletes old messages when the limit is reached, rather than overwriting them.
- **Text message limit**: allows you to set a limit on how many text messages are allowed in one conversation.
- **Multimedia message limit**: allows you to set a limit on how many multimedia messages are allowed in one conversation.
- **Text templates**: provides access to predefined text responses for incoming calls or messages. For more information, refer to *"Text Templates"* on page 132.

Text message (SMS) settings

- **Delivery reports**: when this option is activated, the network informs you whether or not your message was delivered.

Multimedia message (MMS) settings

- **Group messaging**: when this option is activated, this feature allows you to send a single message to multiple recipients.
- **Delivery reports**: when this option is activated, the network informs you whether or not your message was delivered.
- **Auto retrieve**: allows the message system to automatically retrieve messages.
- **Roaming auto retrieve**: allows the message system to automatically retrieve while roaming.
- **MMS alert**: alerts you when the messaging modes changes from an SMS (text) to MMS (multimedia) mode.
- **Group conversations**: sets all outgoing messages as group conversations.
- **Message priority**: allows you to set MMS message priority. Choose from: High, Normal, or Low.

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Display

- **Bubble style**: allows you to choose from several bubble styles for your messages. Bubbles are the rounded boxes that surround each message.
- **Background style**: allows you to choose from several background styles for your messages.
- **Use the volume key**: allows you to change the text size by using the up or down volume keys.

Notification settings

- **Notifications**: allows you to see message notifications on your status bar.
- **Select ringtone**: allows you to set the ringtone for your message notifications.
- **Vibrate**: allows you to configure the vibration mode associated with message alerts.
- **Message alert repetition**: allows you to set the interval for new message alerts. Choose from: Once, Every 2 minutes, or Every 10 minutes.
- **Preview message**: when enabled, allows you to view a brief preview of new message text on the Status bar.

Emergency message settings

- **Emergency alerts**: allows you to configure emergency alert settings. You can enable/disable those alert categories you wish to receive. Choose from: Extreme alert, Severe alert, and AMBER alerts.

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Note: The Presidential alert can not be disabled.

- **Emergency notification preview**: allows you to play a sample emergency alert tone. Tap **Stop** to cancel the playback.
- **Vibrate**: when enabled, provides a vibration to accompany an emergency alert.
- **Alert reminder**: sets a time interval to be reminded of the new emergency alert. Choose from Once, Every 2 minutes, Every 15 minutes, or Off

Signature settings

- **Add signature**: when enabled, this feature allows you to create a signature at the end of your outgoing text messages.
- **Signature text**: allows you to enter a desired signature for your message.

Callback number

- **Turn on callback number**: when enabled, allows you to enable notification recipients of your callback number.
- **Callback number**: when active, allows you to manually enter a callback number.

Spam message settings

- **Spam settings**: when enabled, allows you to configure available spam settings such as:
  - **Add to spam numbers**: allows you to manually enter and assign a phone number as being sent from a spam source.
  - **Add to spam phrases**: allows you to assign a specific text phrase as belonging to a spam message. Ex: Dear friend.
  - **Block unknown senders**: when active, automatically blocks incoming messages from unknown sources or blocked numbers.

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Emergency Alert Configuration

This device is designed to receive wireless emergency alerts from the Commercial Mobile Alerting System (CMAS); which may also be known as the Personal Localized Alerting Network (PLAN). If your wireless provider has chosen to participate in CMAS/PLAN, alerts are available while in the provider's coverage area. If you travel outside your provider's coverage area, wireless emergency alerts may not be available. For more information, please contact your wireless provider.

Emergency Alerts allows customers to receive geographically-targeted messages. Alert messages are provided by the US Department of Homeland Security and will alert customers of imminent threats to their safety within their area. There is no charge for receiving an Emergency Alert message.

There are three types of Emergency Alerts:

- Alerts issued by the President
- Alerts involving imminent threats to safety of life
- AMBER Alerts (missing child alert)

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Customers may choose not to receive Extreme Alerts, Severe Alerts, and AMBER Alerts.

Important! Alerts issued by the President can not be disabled.

To disable Extreme, Severe, and AMBER Alerts:

1. From the Messages screen, press ☰ and then tap **Settings**.
2. Scroll to the bottom and select **Emergency alerts**. All alerts are enabled by default (check mark showing).

3. Tap on an alert option to disable the alert and remove the check mark.

Assigning Messages as Spam

You can now assign either a phone number as spam or use a key term or phrase. Any message assigned as spam is automatically placed with your Spam messages folder.

To assign a phone number from Messages list as spam:

1. From the Home screen, tap (**Messages**).
2. Touch and hold a message from a phone number.
3. Select **Add to spam numbers** and tap **OK**.

To assign a phone number manually as spam:

1. From the Messaging screen, press and then tap **Settings**.
2. Locate and activate the **Spam settings** option.
   - **Spam settings**: when enabled, allows you to configure available spam settings such as:
3. Tap **Add to spam numbers** → (**Add**).
   - This function allows you to manually enter and assign a phone number as being sent from a spam source.

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4. Tap the **Number** field to manually enter phone number.

   – or –

   Tap to select from either your existing Logs or Contacts.

   – or –

   Tap **Match criteria** and select a parameter that must match for the spam action to take effect. Choose from: Same as, Starts with (ex: 800 or 888), Ends with, or includes.

5. Tap **Save**.

To register text phrases as spam:

Some incoming messages might not be associated with a phone number but rather an email address. In these cases, the only way to block those messages, would be assign a key used term or phrase to activate the Spam block. Ex: “Dear friend”, “Stock Alert”, or “Act Now”.

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1. From the Messaging screen, press and then tap **Settings**.
2. Locate and activate the **Spam settings** option.
3. Tap **Add to spam phrases** → (**Add**).
   - This function allows you to assign a specific text phrase as belonging to a spam message. Ex: Dear friend.
4. Enter a term or word into the field.
5. Tap **Save**.

To register unknown numbers as spam:

Some incoming messages might not be associated with either a phone number or email address. These incoming messages contain no information as their info is blocked by the sender.

1. From the Messaging screen, press ☰ and then tap **Settings**.
2. Locate and activate the **Spam settings** option.
3. Tap **Block unknown senders**. A green check mark indicates the feature is active.
   - **Block unknown senders**: when active, automatically blocks incoming messages from unknown sources or blocked numbers.

If an incoming message is designated in coming from an unknown sender, it is automatically assigned as spam and is now located in your Spam folder.

Accessing Your Spam Folder

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Any message assigned as spam is automatically placed with your Spam messages folder.

- From the Messaging screen, press ☰ and then tap **Spam messages**.

Text Templates

This screen displays your available text message reply templates. This is a readily accessible list of both default and user-defined text snippets that can be used to quickly reply to incoming messages.

1. From the Home screen, tap .
2. From the Messages list, press and then tap **Settings** ➔ **Text templates**.
3. Tap a message to immediately insert it into your current message conversation.

To create your own text template:

1. From the Home screen, tap .
2. From the Messages list, press and then tap **Settings** ➔ **Text templates**.
3. Tap (**Create**).
4. Enter a new text string and tap **Save**.

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Using Email

Email (or Internet Email) enables you to review and create email using several email services. You can also receive text message alerts when you receive an important email. Your phone's Email application lets you access and manage multiple email accounts simultaneously in one convenient location.

There are currently three main types of email accounts on your phone: Gmail, Internet-based email, and Microsoft Exchange (Corporate email or Outlook®).

To send and receive email messages through an ISP (Internet Service Provider) account, or if you wish to use your device to access your corporate email through a VPN (Virtual Private Network), you will first need to set up an IMAP or POP account.

- **IMAP** (Internet Message Access Protocol) - This protocol is frequently used in large networks and commercial settings. IMAP4 is the current standard.
- **POP3** (Post Office Protocol) - This protocol is supported by most ISPs (Internet service providers) and common among consumer applications. POP3 is the current standard.
- **Microsoft Exchange ActiveSync** - This protocol is frequently used with a large corporate email server system and provides access to email, contact, and calendar synchronization.

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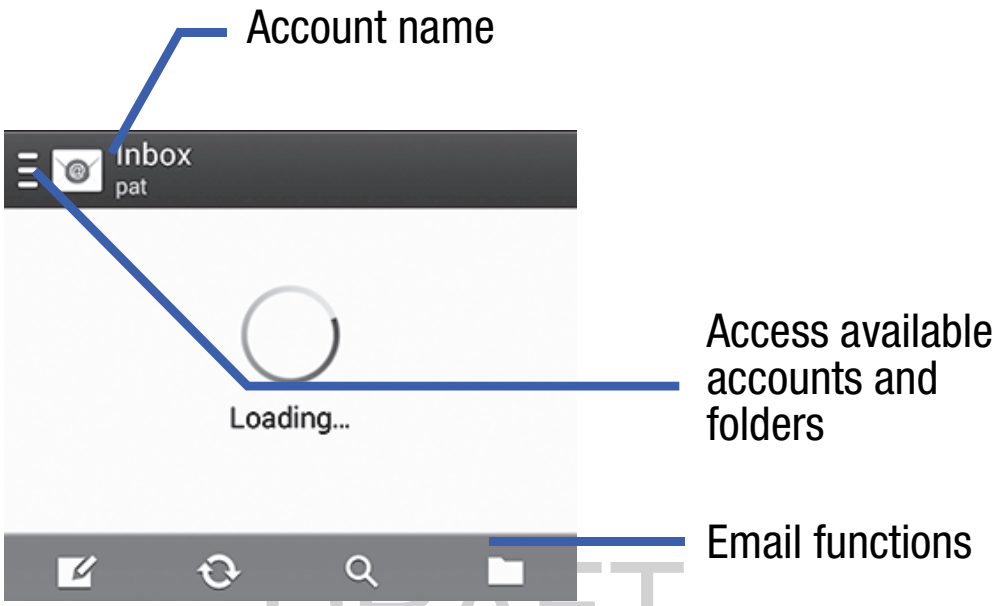
Creating an Internet Email Account

1. From the Home screen, tap (**Apps**) ➔ (**Email**).
2. If you already have other email account setup:
   - Open an existing email account, press and then tap **Settings** ➔ (**Add new account**).



– or –

Enter your **Email address** and **Password** information.

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   - **Email address**: your Internet email address.
   - **Password**: typically your network access password (case-sensitive).
3. Tap **Show password** to display the password as you enter it in the associated field.
   - Tap **Manual setup** to configure your connection settings manually (POP3 or IMAP). Follow the on-screen prompts and enter the information specific to your email provider.

- Tap **Send email from this account by default** to assign this email account as your default account for all outgoing emails.

4. Tap **Next**.
5. At the **Account options** screen, select the frequency which the device should check for new email on the server and tap **Next**.

Important! The **Sync Email** feature must be enabled to allow synching between your device and the remote server.

- Tap the **Notify me when email arrives** field to receive new email notifications.
- Tap the **Automatically download attachments when connected to Wi-Fi** field to assist with faster access to large email attachments when using Wi-Fi.

6. At the **Set up email** screen, name the account and enter a screen name to identify yourself on this account.
   - The unique account name is used to differentiate this account from other email accounts accessed by your device.
7. Tap **Done** to store the new account.

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Messages for this account display on the Inbox tab. You can also view Personal information for this account, Receipts (if you setup the account to return receipts), Travel information, and more (if available).

Opening an Email

1. From the Home screen, tap ➔ (**Email**).
2. Tap (account name field upper-left) to open the complete email account list page.
   - Selecting **Combined view** allows you to view all the emails for your current accounts, managed by the application, to be listed on a single screen.
3. Select an email account and tap an email message.

Refreshing Email messages

1. From the Home screen, tap ➔ (**Email**).
2. Select an email account.
   - If you are already in an email account, tap the account name field (upper-left) to open the complete email account list page.
   - Select an available email account.
3. Tap (**Refresh**).

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Composing Email

1. From the Home screen, tap ➔ (**Email**).
2. Tap (account name field upper-left) to open the complete email account list page.
3. Tap **Inbox** ➔ (**Compose**).
4. Enter the recipient's email address in the **To** field.
   - If you are sending the email message to several recipients, separate the email addresses with a comma. You can add as many message recipients as you want.

5. Tap **Cc/Bcc** to add additional carbon copy and blind copy recipients.
   - Use the **Cc** field to carbon copy additional recipients.
   - Use the **Bcc** field to blind copy additional recipients.
6. Tap the **Subject** field and enter the email subject.
7. Tap the email text field and compose your email message.
   - To add an attachment (such as image, video, audio, etc..), tap **Attach** (from the top of the screen) and make a category selection.
     – Tap the file you wish to attach.
     – Tap to delete the attached file.

Note: If you attach an image to your email, you have the option to resize it prior to delivery. Choose from: Original, Large (70%), Medium (30%), or Small (10%). Once chosen, tap either **Always** or **Just once**.

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8. Tap (**Save**) to store a draft of the current email on your device so that you can come back later and continue the email.
9. Tap (**Delete**) to discard the current email.
10. Once complete, tap (**Send**).

Configuring Email Settings

1. From the Home screen, tap ➔ (**Email**).
2. Select an account.
3. Press and then tap **Settings** and alter any of the following General settings:
   - **Display**: allows you to configure the way in which your email list is displayed. Options include: Auto fit content, Message preview line, and Title line in list.
   - **Composing and sending**: allows you to configure the functions available during both creating and sending emails. Options include: Quick responses, Default image size, Delay email sending.
   - **Auto advance**: allows you to assign an action after an email is deleted. Choose from: Next email, Previous email, or Email list.
   - **Confirm deletions**: requires that you provide confirmation before deleting a selected email.
   - **Priority senders**: allows you to assign Contacts as priority senders, set as the default folder, assign email notifications, ringtones, and vibration patterns for emails from these senders.
   - **Spam addresses**: allows you to create a list of spam email addresses.
   - **Rules for filtering**: allows you to create and manage filters for emails. Filter parameters include: Filter name, Subject includes, or From.

   – or –
4. Press and then tap **Settings** ➔ **Account settings** ➔ **Account**. Alter any of the following settings:
   - **Sync settings**: allows you to adjust the email synchronization settings, adjust the sync schedule, and adjust the email retrieval size.

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- **Signature**: lets you both attach a customized signature and include a handwritten signature to the bottom of all outgoing emails.
  - In a single motion touch and slide the **Signature** slider to the right to turn it on.
  - Tap the **Signature** field, change the current text, and tap **Done** to save the new signature.
- **Default account**: Assign this account as the default email account used for outgoing messages.
- **Password**: allows you to update your password to match the one on the email server.
- **Email notifications**: Activates the email notification icon to appear within the Notifications area of the status bar when a new email (Gmail, etc..) is received.
- **Select ringtone**: Plays a selected ringtone when a new email message is received.
- **Vibrate**: Activates a vibration when a new email message is received.

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5. Tap the **More settings** field to access additional options:
   - **Account name**: displays your uniquely created account display name.
   - **Your name**: displays the name used in the From field of your outgoing email messages.
   - **Always Cc/Bcc myself** allows you to include your own email address in either the CC, Bcc, or None fields. Lets you always receive a copy of outgoing emails.
   - **Show images**: allows you to view embedded images located within the body of the currently displayed email.

- **Security options**: allows you to enable several security options such as: Encrypt all, Sign all, Create keys, Private keys, Public keys, and Set default key. These security policies could restrict some functions from corporate servers.
- **Number of emails to load**: allows you to select the number of on-screen emails to keep loaded on the screen by default.
- **Auto download attachments**: allows the device to automatically download email attachments when an active Wi-Fi connection is detected. This process speeds up the process of downloading an emails attachments for offline review by not using a 3G network connection.
- **Auto resend times**: enables the device to resend an outgoing email a specified number of times if delivery fails.
- **Incoming settings**: Lets you specify incoming email settings, such as User name, Password, IMAP server, Security type, Port, and IMAP path prefix.
- **Outgoing settings**: Lets you specify outgoing email settings, such as SMTP server, Security type, Port, Require sign-in, User name, or Password.

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Note: Some the above options may not be displayed when using some Internet account types.

Microsoft Exchange Email (Outlook)

Your phone also provides access to your company's Outlook Exchange server. If your company uses either Microsoft Exchange Server 2003 or 2007, you can use this email application to wirelessly synchronize your email, Contacts, and Calendar information directly with your company's Exchange server.

Setting Up a Microsoft Exchange Email account

1. From the Home screen, tap (**Apps**) ➔ (**Email**).
2. If you already have other email account setup:
   - Open an existing email account, press and then tap **Settings** ➔ (**Add new account**).

   – or –

   Enter your **Email address** and **Password** information.

   - **Email address**: your Outlook work email address.
   - **Password**: typically your network access password (case-sensitive).
3. Tap **Show password** to display the password as you enter it in the associated field.
4. Tap **Send email from this account by default**, to make this your default email account for outbound emails.

Note: If selected, the **Manual setup** button changes to read **Microsoft Exchange ActiveSync**. If activated, skip to step 6.

---

5. Tap **Next**. Consult your Network or IT Administrator for further details and support.

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6. Tap **Microsoft Exchange ActiveSync** (from the add new email account screen).

Note: If prompted with an on-screen notification that the connection that the “Setup could not finish”, tap **Edit details** to continue with a manual update of necessary information.

---

7. When prompted to provide additional detailed information within the Exchange server settings screen, enter an updated **Domain**, and confirm your **user name** and **Password** information.

Important! Remember to manually place the cursor in the correct spot and enter a Domain name before the “**[Domain]\[user name]**” entry. Most servers only provide a username.

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8. Update or re-enter your **Exchange server** information within the appropriate field. This field can often be populated with incorrect or out of date information provided by your server.
   - **Exchange Server**: your exchange server remote email address. Typically starts with **mail.XXX.com**. Obtain this information from your company network administrator.

Important! Do not accept the default entry as this is a guess based on returned information.

- If your network requires SSL encryption, tap the **Use secure connection (SSL)** field to place a check mark in the box and activate this additional level. Most often, this option should be enabled.

Important! If your Exchange server requires this feature, leaving this field unchecked can prevent connection.

---

9. Consult your IT Administrator if it is necessary to enable the **Use client certification** option.
10. With the new server information entered, tap **Next**.
11. Read the on-screen **Activation** disclaimer and, when prompted, tap **OK**. The device then verifies your incoming server settings.
12. If prompted, read the **Remote security administration** information and tap **OK** to accept the service and continue.
13. Adjust the various on-screen configuration fields and tap **Next**. It may take a few seconds for the next screen to load.
    - Enabling the **Automatically download attachments when connected to Wi-Fi** option decreases the wait time to access large email attachments.
14. If prompted, read the **Activate device administrator?** screen and tap **Activate** to complete the email setup process.

Note: This process can take a few minutes. If the previous setup screen re-appears, **ignore it and do not alter any fields** during this process.

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15. Identify your new work email account with a unique name (Ex: Work), then tap **Done**.

Opening an Exchange Email

1. From the Home screen, tap ➔ (**Email**).
2. Tap the account name field (upper-left) to open the complete email account list page.
3. Select an exchange email account and tap an email message.

Refreshing Exchange Email

1. From the Home screen, tap ➔ (**Email**).
2. Select an email account.
   - If you are already in an email account, tap the account name field (upper-left) to open the complete email account list page.
   - Select an available email account.
3. Tap (**Refresh**).

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Composing Exchange Email

- For more information, refer to *"Composing Email"* on page 136.

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Deleting an Exchange Email Message

- Touch and hold an email (from your inbox list) and then tap (**Delete**).

Configuring Microsoft Exchange Email Settings

1. Press ▭ and then tap **Settings** and alter any of the following General settings:
2. Alter any of the following General settings:
   - **Display**: allows you to configure the way in which your email list is displayed. Options include: Auto fit content, Message preview line, and Title line in list.
   - **Composing and sending**: allows you to configure the functions available during both creating and sending emails. Options include: Quick responses, Default image size, Delay email sending.
   - **Auto advance**: allows you to assign an action after an email is deleted. Choose from: Next email, Previous email, or Email list.
   - **Confirm deletions**: requires that you provide confirmation before deleting a selected email.
   - **Priority senders**: allows you to assign Contacts as priority senders, set as the default folder, assign email notifications, ringtones, and vibration patterns for emails from these senders.
   - **Spam addresses**: allows you to create a list of spam email addresses.
   - **Rules for filtering**: allows you to create and manage filters for emails. Filter parameters include: Filter name, Subject includes, or From.

   – or –
3. From the current Email inbox listing, press ▭ and then tap **Settings ➔ Account settings ➔ <Exchange email account>**. Alter any of the following settings:
   - **Sync settings**: allows you to adjust the email synchronization settings, adjust the sync schedule, and adjust the email retrieval size.

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- **Signature**: lets you both attach a customized signature and include a handwritten signature to the bottom of all outgoing emails.
  - In a single motion touch and slide the **Signature** slider to the right to turn it on.
  - Tap the **Signature** field, change the current text, and tap **Done** to save the new signature.
- **Out of office settings**: allows you to configure your out of office email settings.
- **Default account**: assign this account as the default email account used for outgoing messages.
- **Password**: allows you to update your password to match the one on the email server.
- **Email notifications**: activates the email notification icon to appear within the Notifications area of the status bar when a new email (Gmail, etc..) is received.
- **Select ringtone**: plays a selected ringtone when a new email message is received.
- **Vibrate**: activates a vibration when a new email message is received.

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4. Tap the **More settings** field to access additional options:
   - **Account name**: displays your uniquely created account display name.
   - **Always Cc/Bcc myself** allows you to include your own email address in either the CC, Bcc, or None fields. Lets you always receive a copy of outgoing emails.
   - **Show images**: allows you to view embedded images located within the body of the currently displayed email.

- **Auto download attachments**: allows the device to automatically download email attachments when an active Wi-Fi connection is detected. This process speeds up the process of downloading email attachments for offline review by not using a network connection.
- **Auto resend times** enables the phone to resend an outgoing email a specified number of times if delivery fails.
- **Folder sync settings** allows you to configure the sync settings for various folders such as Inbox, Drafts, Outbox, etc..
- **Period to sync Calendar** assigns a period for your phone to sync calendar events. Choose from: **2 weeks, 1 month**, **3 months**, **6 months**, or **All calendar**.
- **Empty server trash**: allows you to delete your email account's trash bin remotely.
- **In case of sync conflict** allows you to assign the master source on emails. If there is a conflict with the current email sync you can assign the server as the main source for all emails (**Server has priority**) or assign the phone to be the main source and update the server accordingly (**Device has priority**).
- **Security options**: allows you to enable several security options such as: Encryption, Encryption algorithm, Sign, Sign algorithms, Email encryption cert, Email signing cert, and Security policy list. These security policies could restrict some functions from corporate servers.
- **Sync Contacts** synchronizes the contacts between your device and the remote exchange server.
- **Sync Calendar** synchronizes your exchange calendar entries between your device and the remote exchange server.

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- **Sync Task** synchronizes your exchange tasks entries between your device and the remote exchange server.
- **Exchange server settings** provides access to the Domain\user name, Password, and Exchange server settings.

5. Press ↩ to return to the previous page.

Using Google Mail

Google Mail (Gmail) is Google's web-based email. When you first setup the phone, Gmail is configured. Depending on the synchronization settings, Gmail is automatically synchronized with your Gmail account.

Signing into Google Mail

1. From the Home screen, tap ▦ ➔ (**Gmail**).

Note: You must sign in to your Gmail account in order to access features such as Google Mail and Play Store.

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2. Tap **New** if you do not have a Google account.

   – or –

   Tap **Existing** if you have a Google account.

   The Inbox loads conversations and email.

Opening Gmail

1. From the Home screen, tap ▦ ➔ (**Gmail**).
2. Tap an existing email message.

Refreshing Gmail Mail

- From within the Gmail message list, press and tap **Refresh** at the bottom of the screen to refresh the screen, send and receive new emails, and synchronize your email with the Gmail account.

Other Gmail Options

- From the main Gmail screen, tap (**Search**) at the bottom of the screen to search through your Gmail messages.

Composing a Gmail Message

1. From the Home screen, tap → (**Gmail**).
2. From the Gmail Inbox, tap (**Compose**) at the bottom of the screen to create a new message.
3. Enter the recipients Email address in the **To** field.

Tip: Separate multiple recipient email addresses with a comma.

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4. Press and select **Add Cc/Bcc** to add a carbon or blind copy.
5. Enter the subject of this message in the **Subject** field.
6. Tap the **Compose email** field and begin composing your message.
7. Once complete tap (**Send**).

Viewing a Gmail Message

- From the Gmail Inbox, tap a message to view the following options located at the top of the screen:
  - **Archive** : archives the selected Email.
  - **Delete** : deletes the currently selected Email.
  - **Mark as Unread** : tags the current message as unread and returns you to the Google Mail Inbox.

Creating an Additional Gmail Account

1. From the Home screen, tap ➔ (**Gmail**).
2. Press and then tap **Settings** ➔ **ADD ACCOUNT** and follow the same steps as referenced in the previous section. For more information, refer to *"Signing into Google Mail"* on page 148.

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Section 7: Multimedia

This section explains how to use the multimedia features of your device, including the Camera/Camcorder, Music Player, Samsung Link, and how to manage your photos, images and sounds.

You can take photographs and shoot video by using the built-in camera functionality. Your camera produces photos in JPEG format.

Important! Do not take photos of people without their permission.
Do not take photos in places where cameras are not allowed.
Do not take photos in places where you may interfere with another person's privacy.

Note: An SD card is no longer needed to take pictures or shoot video since there is already built-in storage.

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Assigning the Default Storage Location

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Important! Too many users can overlook this storage location until something goes wrong. It is recommended that you verify this location or change it before initiating the use of the camera or camcorder features.

1. From the Home screen, tap (**Apps**) ➔ (**Camera**).
2. From the viewfinder screen, tap (**Settings**) ➔ (**Settings**) ➔ **Settings** and scroll up to the **Storage** entry.

3. Tap this entry and select the desired default storage location for newly taken pictures or videos. Choose from: **Device** or **Memory card**.

Note: It is recommended that you set the option to **Memory card**.

---

4. Press to return to the Home screen.

Using the Camera

Taking Photos

Taking pictures with your device's built-in camera is as simple as choosing a subject, pointing the camera, then pressing the camera key.

Note: When taking a photo in direct sunlight or in bright conditions, shadows may appear on the photo.

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1. From the Home screen, tap (**Camera**).
2. Using the device's main display screen as a viewfinder, adjust the image by aiming the camera at the subject.

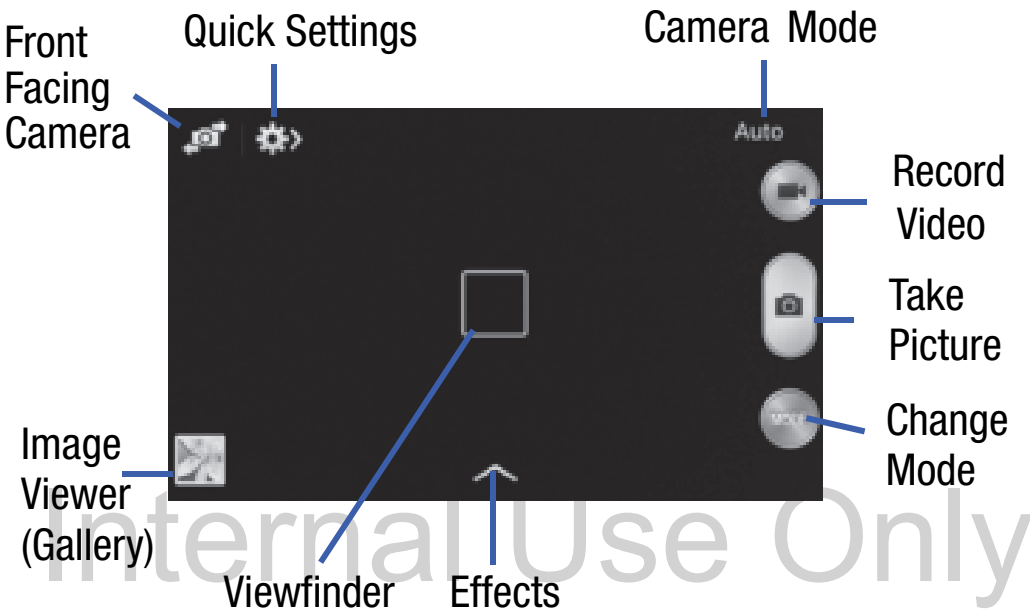
Note: Use either the Up and Down volume keys or spread/pinch the screen to zoom in or out. For more information, refer to *"Navigating Through the Screens"* on page 49.

---

3. If desired, before taking the photo, use the left area of the screen to access various camera options and settings.
4. You can also tap the screen to move the focus to a desired area of interest.

5. Press (**Camera**) until the shutter sounds. (The picture is automatically stored within your designated storage location (page 151). If no microSD is installed, all pictures are stored on the Device.) For more information, refer to *"Camera and Camcorder Settings"* on page 156.

Note: Touch and hold to take a burst shot. These are saved using a fine image quality.



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Camera Modes

There are many different camera modes that you can use to help optimize your photos depending on the conditions and your experience.

- From the camera viewfinder, tap the **Mode** button MODE to change the mode to one of the following:
  - **Auto**: Automatically adjusts your camera to optimize color and brightness. This is the default setting
  - **Beauty face**: Use this to take photos with lightened faces for gentler images.
  - **Sound & shot**: Use this mode to enrich pictures by adding background sounds for a few seconds. The background sound is recorded for up to 9 seconds after taking the photo.
  - **Panorama**: Use this to take wide panoramic photos. Press the Shutter button to take a photo, and then move the camera in any direction. When the blue frame aligns with the preview screen, the camera automatically takes another shot in the panoramic sequence. To stop shooting, press the Shutter button again.
  - **Sports**: Use this to take fast action photos.
  - **Night:** Use this to take photos in low-light conditions, without using the flash. Press the Shutter button to take multiple photos. Photos are automatically merged into a single photo.
- From the front-view camera viewfinder, tap the **Mode** button MODE to change the mode between **Auto** and **Sound & shot**.

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Quick Settings

Tap ⚙> at the top of the display to quickly change Camera settings. Not all of the following options are available in both still camera and video camera modes. The available options vary by mode.

⚙ Configure Camera settings.

AF Sets the auto focus. Choose from Auto focus or Macro.

OFF Set a timer.

Brightness setting.

Select a resolution for videos.

OFF Activate or deactivate the sharing options.

< Hide Quick settings.

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Camera and Camcorder Settings

This section describes the different settings that you can configure on your camera. Not all of the following options are available in both still camera and video camera modes. The available options vary by mode.

1. From the viewfinder, tap > (**Quick Settings**) → (**Camera Settings**).
2. The follow settings are located under the Camera, Camcorder, and General tabs. The settings that are displayed will depend on what camera mode you are in.

   Camera:

   - **Photo size**: Select a resolution for photos. Use higher resolution for higher quality. Higher resolution photos take up more memory.
   - **Focus mode**: allows you to select the focus mode. Choose from Auto focus or Macro.
   - **Metering**: allows you to set how the camera measures or meters the light source: Center-weighted, Matrix, or Spot.
   - **ISO**: determines how sensitive the light meter is on your digital camera. Choose from Auto, 100, 200, or 400. Use a lower ISO number to make your camera less sensitive to light, a higher ISO number to take photos with less light, or Auto to let the camera automatically adjust the ISO for each of your shots.

   Camcorder:

   - **Video size**: Select a resolution for videos. Use higher resolution for higher quality. Higher resolution videos take up more memory.

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Settings:

- **Location tag**: attach a GPS location tag to the photo. To improve GPS signals, avoid shooting in locations where the signal may be obstructed, such as between buildings or in low-lying areas, or in poor weather conditions. Your location may appear on your photos when you upload them to the Internet. To avoid this, deactivate the GPS tag setting.
- **Review pics/videos**: set this option if you want to view each picture after you take it. Select a time value.
- **Volume key**: assigns a function to the volume key. Choose from: The zoom key, The camera key, or The record key.
- **Timer**: Use this for delayed-time shots. You can set the timer to Off, 2 sec, 5 sec, or 10 sec.
- **White balance**: Select an appropriate white balance, so images have a true-to-life color range. The settings are designed for specific lighting situations. These settings are similar to the heat range for white-balance exposure in professional cameras.
- **Exposure value**: allows you to adjust the brightness level by moving the slider.
- **Guidelines**: Display viewfinder guides to help composition when selecting subjects.
- **Contextual filename**: allows you to have your location added as part of the file name. You must first activate GPS tag described above.
- **Save as flipped**: Saves the image as a mirrored image.
- **Storage**: Select the memory location for storage.
- **Shutter sound**: Turn the shutter sound on or off.
- **Reset**: Reset the camera settings.

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Pictures and Videos Image Viewer Options

After you take a photo or record a video, you can access various options.

Photo viewing options

1. Tap a thumbnail to view the picture.

Note: If no control icons are displayed on the screen in addition to the picture, tap anywhere on the screen to display them.

---

2. The following options are available at the top of the screen:
   - **Change player** : allows you to select a different linked device from your available list.
   - **Share via** : allows you to share the picture via Bluetooth, Email, Gmail, Google+, Hangouts, Messages, Picasa, or Wi-Fi Direct.
   - **Delete** : allows you to delete the current picture.
3. Press for additional options such as:
   – **Favorite**: allows you to assign the current image as a favorite.
   – **Slideshow**: allows you to see your photos in a slideshow.
   – **Photo frame**: takes the current image and creates a surrounding photo frame that can be edited with edited text or drawn object, then saved.
   – **Photo note**: allows you to write notes on your current image and then save it.
   – **Copy to clipboard** allows you to copy one or more pictures to a different folder.
   – **Print**: allows you to print the current image on a compatible Samsung printer.

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– **Rename**: allows you to rename the current file.

– **Buddy photo share**: allows you to share the current image with active ChatON buddies.

– **Rotate left**: allows you to rotate the view of the current image in a counter-clockwise direction.

– **Rotate right**: allows you to rotate the view of the current image in a clock-wise direction.

– **Crop**: provides an on-screen box that allows you to crop the current picture. Tap **Done** to update the image with the new dimensions or tap **Cancel** to ignore any changes.

– **Set as**: allows you to assign the current image as a Contact photo, Home screen, Lock screen, or Home and lock screens.

– **Details**: files details such as Title, Type, Date, Album, Size, Resolution, Orientation, Manufacturer, Model, Flash, Focal length, White balance, Aperture, Exposure time, ISO, and Path.

– **Settings**: provides access to the Gallery options menu. Choose from Accounts, SNS data management, Tags, and Sound & shot.

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Video viewing options

Note: If no control icons are displayed on the screen in addition to the picture, tap anywhere on the screen to display them.

1. Tap a video to select it.
2. Tap ▷ to play the video.

   – or –

   Select any of these on-screen options:

   - **Share via** : allows you to share the video via Bluetooth, Email, Gmail, Google+, Messages, Picasa, Wi-Fi Direct, and YouTube.
   - **Trim** : activates the Trim feature so that you can edit the length of the current video.
   - **Delete** : allows you to delete the current video.
     Choose either **OK** or **Cancel**.
3. Press ☰ for additional options.

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Using the Camcorder

In addition to taking photos, the camera also doubles as a camcorder that also allows you to record, view, and send high definition videos.

Shooting Video

Tip: When shooting video in direct sunlight or in bright conditions, it is recommended that you provide your subject with sufficient light by having the light source behind you.

Note: The camera may not be able to properly record videos to a memory card with a slow transfer speed.

---

1. From the Home screen, tap (**Apps**) ➔ (**Camera**) to activate the camera mode.
2. Tap and slide the Camera mode button down to **Camcorder** Mode.
3. Using the device's main display screen as a viewfinder, adjust the image by aiming the camcorder at the subject.

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Note: Use either the Up and Down volume keys or spread/pinch the screen to zoom in or out. For more information, refer to *"Navigating Through the Screens"* on page 49.

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4. Tap the Video key ( ) to begin shooting video. The red light will blink while recording.
5. Tap anywhere on the screen to re-focus the camera on that object. The camcorder auto-focuses on the new target area.

6. Tap the Stop key (■) to stop the recording and save the video file to your Camera folder.

   – or –

   Tap the Pause key (❚❚) to pause the recording.

7. Once the file has been saved, tap the image viewer, then tap (**Play**) to playback your video for review.
8. Press to return to the viewer.

Camera Gallery Options

The Gallery is where you can access the Gallery of stored camera images.

1. From the Home screen, tap (**Apps**) ➔ (**Gallery**).
2. Select a folder location (ex: **Camera**) and tap an image to open it.

   – or –

   Touch and hold an image to place a check mark on the file and select multiple files.

   – or –

   Tap the on-screen image to use additional image menu options.

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Sharing a Gallery Image to a Target Device

Important! Make sure all communicating devices are connected to the same Wi-Fi.

1. Launch Samsung Link on the target device (such as an Internet TV, Samsung Tablet, etc..).
2. From the Home screen, tap (**Apps**) ➔ (**Gallery**).

Note: You must be signed in to your Samsung Account before you can use this feature.

3. Open a selected image.
4. Tap (**Stream to connected devices**) and select an available target device to begin streaming.
5. On a target device (ex: Internet TV) select the on-screen **Allow** button to continue.

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Note: At this stage your device is requesting access to share media with the external source.

6. Confirm (**AllShare Controller enabled**) appears in the Notification area at the top of the device to indicate you are using your device as the media source.

Assigning an Image as a Contact Photo

1. From the Home screen, tap (**Apps**) ➔ (**Gallery**).
2. Select a folder location and tap a file to open it.
3. With the image displayed, press and then tap **Set as** ➔ **Contact photo**.
4. Tap a contact to make a selection.
5. Use the on-screen crop the image by dragging it around or out from its corners.
6. Tap **Done** to store the new image.

Assigning an Image as a Wallpaper

1. From the Home screen, tap (**Apps**) ➔ (**Gallery**).
2. Select a folder location and tap a file to open it.
3. With the image displayed, press and then tap **Set as**.
4. Select one of the these options:
   - **Home screen** assigns the current image to the home screen background. This image is spread across all available screens.
   - **Lock screen** assigns the selected image to the background for the lock screen.
   - **Home and lock screens** assigns the current image to both the Home screen and Lock screens.
5. Touch and drag the crop box anywhere on the picture. Touch and drag the sides of the crop box to zoom in or out to create a cropped area.

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6. Tap **Done** to assign the wallpaper image.

   – or –

   Tap **Cancel** to stop without updating the wallpaper image.

The Gallery

The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or caller image, and share as a picture message.

Note: If the phone displays a memory full message when accessing the Gallery, access **Files** and remove some of the media files from the folders, and then open the Gallery.

Opening the Gallery

- From the Home screen, tap (**Apps**) ➔ (**Gallery**). For more information, refer to *"Camera Gallery Options"* on page 162.

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Note: If you stored your files in folders (directories) on the storage card, Gallery displays these folders as separate albums. The top left album contains all the pictures in the storage card.

Viewing a Video within the Gallery

1. From the Home screen, tap (**Apps**) ➔ (**Gallery**).
2. Locate your folder and video.
3. Tap (**Play**) to playback your video.

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Section 8: Connections

PC Connections

You can connect your device to a PC using an optional PC data cable using various USB connection modes.

Media device (MTP): allows you to transfer media files in Windows, or using an Android file transfer on a Mac.

Camera (PTP): allows you to transfer photos using the camera software, and transfer any files onto a PC that does not support MTP.

Note: To sync your device to your computer it is highly recommended that you install Samsung Kies which is available at http://www.samsung.com/kies (for Windows/Mac).

Note: If you are a Windows XP user, ensure that you have Windows XP Service Pack 3 or higher installed on your computer. Also, ensure that you have Samsung Kies 2.0 or Windows Media Player 10 or higher installed on your computer.

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Connecting as a Storage Device

You can connect your device to a PC as a removable disk and access the file directory. If you insert a memory card in the device, you can also access the files directory from the memory card by using the device as a memory card reader.

Note: The file directory of the memory card displays as a removable disk, separate from the internal memory.

---

1. Connect the USB cable to the device and connect the cable to the computer. After a few seconds, a pop-up window displays on the PC when connected.
2. Open the folder to view files.
3. Copy files from the PC to the memory card.

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Section 9: Applications and Development

This section contains a description of each application that is available in the Applications Menu, its function, and how to navigate through that particular application. If the application is already described in another section of this user manual, then a cross reference to that particular section is provided.

Note: This manual only addresses applications that have been loaded on your [device/computer/tablet] as of the date of purchase. Information concerning third party applications that you may choose to download from the Google Play Store or otherwise should be obtained from the application provider directly.

Tip: To open applications quickly, add the icons of frequently used applications to one of the Home screens. For more information, refer to *"Customizing the Screens"* on page 41.
You can also add an application icon as a Primary Shortcut that will display on all Home screens. If you add an application as a primary shortcut, the application icon will not be displayed in the Applications menu.

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Applications

The Applications list provides quick access to all the available applications on the device.

The Application menu provides quick access to the most frequently used applications. Applications display on each of the panels on the Applications screens.

Important! Once you log into your Google account. All previously downloaded apps should now be populated within the Application screens.

Application Screen Menu Settings

When on the Apps screen, the following menu options are available:

1. Press and then tap (**Apps**).
2. Press and then select from the following options:
   - **Play Store**: provides quick access to the Play Store (page 212).
   - **Edit**: allows you to organize your current applications by moving them around the screen, edit or delete existing Apps folders.
   - **Create folder**: allows you to create an application folder where you can better organize and group desired apps.
   - **View type**: allows you to customize the way the Apps menu listing is shown.
   - **Uninstall**: allows you to uninstall a user-downloaded application. Only those applications that are not default to the device can be downloaded. Tap to remove the selected app.
   - **Downloaded applications**: filters the available applications to only show those which have been downloaded to your device.

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- **Share apps**: allows you to share information about selected applications with external users.
- **Hide applications**: allows you to specify which current applications are hidden from view in this menu. Once you have selected the apps, tap **Done**.
- **Show hidden applications**: allows you to specify which previously hidden applications are can be made visible again for viewing in this menu. Once you have selected the apps, tap **Done**.

3. Press ▬ to return to the Home screen.

Accessing Recently-Used Apps

1. Press and hold ▬ from any screen to open the recently-used applications window.
2. Tap an icon to open the selected application.

   – or –

   Tap Task manager, Google (Search), or Close all (to delete the record of all recently used applications).

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Shutting Down an Currently Active Application

1. Press and hold ▬ (**Home**) and then tap **Task manager**.
2. From the **Active applications** tab, tap **End** to close selected applications.

   – or –

   Tap **End all** to close all background running applications.

Task Manger Overview

- Press and hold (**Home**) and then tap **Task manager**. This screen contains the following tabs:
  - **Active applications** display those currently active applications running on your phone.
  - **Downloaded** displays any installed packages or applications from the Play Store that are taking up memory space. Tap **Uninstall** to remove them from your phone.
  - **RAM**, which displays the amount of current RAM (Random Access Memory) currently being used and allow you to **Clear Memory**.
  - **Clear defaults** allows you to clear the current default applications.
  - **Storage** displays a visual graph indicating the available and used space within the System storage and external SD card.

Calculator

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Using this feature allows you to use your device as a calculator. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication, and division. You can also use this as a scientific calculator.

1. From the Home screen, tap (**Apps**) ➔ (**Calculator**).
2. Enter the first number using the numeric keys.
3. Enter the operation for your calculation by tapping the **Plus, Minus, Multiplication,** or **Division** key.
4. Enter the next number.
5. To view the result, tap the **=** **(equals)** key.
6. Repeat steps 1 to 4 as many times as required.

Note: Place the screen in Landscape mode to reveal additional scientific functions.

Calendar

With this feature, you can consult the calendar by day, week, or month, create events, and set an alarm to act as a reminder. Google Calendar is built into the phone and synchronizes both new and existing entries between your phone and your online Google account.

Important! You should previously add an account (Facebook, Microsoft Exchange ActiveSync, or Google) prior to using the Calendar.

1. From the Home screen, tap (**Apps**) ➔ 31 (**Calendar**).
   The following tabs are available on the right side of the display:
   - **Year**: displays the Year view.
   - **Month**: displays the Month view.
   - **Week**: displays the Week view.
   - **Day**: displays the Day view.
   - **List**: displays the events in a List view.
   - **Task**: allows you to search for tasks.
2. Tap (**Create event**) to create a new Calendar event.
   – or –
   Tap **Today** to display the current date indicated by a blue box, then press and select one of the following options:
   - **Go to**: displays a specific date.

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- **Delete**: allows you to delete All events, All events before today, or an individual event.
- **Search**: allows you to search within your current events.
- **Sync**: allows you to synchronize your calendar with one or all of your accounts. This option only appears when an account has been opened.
- **Calendars**: synchronizes your current calendar events with your available accounts (such as Gmail, Microsoft Exchange ActiveSync, etc..).
- **Settings**: displays a list of configurable settings.

Creating a Calendar Event

1. From the Home screen, tap (**Apps**) ➔ 31 (**Calendar**).
2. Within the Year, Month, Week, and Day tabs, tap + (**Create event**).

Calendar Settings

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Using the Calendar settings you can select the day with which you want the calendar to begin. You also select how you want to view the calendar, by Month, Week, or Day or determine how to manage events, notifications, sounds, and defaults reminders.

1. From the Home screen, tap (**Apps**) ➔ 31 .
2. Press ➔ **Settings**.
3. Tap **View styles** and select an option.
   - Tap **Month view styles** and select an option.
   - Tap **Week view** and select a type.
4. Tap **First day of week** and select either **Locale default, Saturday, Sunday** or **Monday**.

5. Tap **Hide declined events** to activate this option. A check mark indicates selection.
6. Tap **Lock time zone** (to lock event time based on your current user-selected time zone). Select a time zone from within the **Select time zone** field.
7. Tap **Show week number** to display the week numbers along the side of the week entries.
8. Tap **Set alerts and notifications** to adjust the event notification method. Choose from: **Alert**, **Status bar notification**, and **Off**.
9. Tap **Select ringtone** to assign a ringtone to a calendar event notification.
10. Tap **Vibration** to assign a vibration notification to this event.
11. Tap **Quick responses** to edit your default quick responses for outbound emails. These are default responses similar to those used by text templates.

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Camera

Use your camera feature to produce photos in a JPEG format. The Camcorder shoots High Definition video in an MP4 format.

Note: A microSD card is no longer necessary before you take pictures or shoot video.
It is recommended that you confirm your default storage location for images and videos.

- From the Home screen, tap (**Apps**) ➔ (**Camera**).

For more information, refer to *"Using the Camera"* on page 152.

Chrome

The Google Chrome app allows you to use the Google Chrome Web browser on your device.

1. From the Home screen, tap (**Apps**) ➔ (**Chrome**).
2. Read the Google Chrome Terms of Service and tap **Accept and Continue**.
3. If you have an existing Chrome account, tap **Sign in** to bring your open tabs, bookmarks, and data from your computer to your phone, otherwise tap **No thanks**.
4. Follow the on-screen instructions to use Google Chrome.

Clock

Here you can set an Alarm, configure and view the World clock, use a Stopwatch, set a Timer, or use a Desk Clock. The applications display in a tabular format and quickly accessed with the touch of a finger.

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- From the Home screen, tap (**Apps**) ➔ (**Clock**).

Setting an Alarm

1. From the Home screen, tap (**Apps**) ➔ (**Clock**).
2. Tap (**Create alarm**).
3. Use the arrow symbols to enter adjust the hour, and minutes, then tap **AM** or **PM** (toggles depending on which was last selected).
4. Tap the **Alarm repeat** field and touch the number of times you want this alarm to repeat. Selections are: day blocks or **Repeat Weekly**. Selected day blocks turn green when active.

5. Tap the **Alarm type** field and select one of the following: **Melody**, **Vibration**, or **Vibration and melody**.
6. Tap the **Alarm tone** field and either select an available tone or select **Add** to use locate a sound to use as an alarm ringtone. Tap **OK** to activate the ringtone.
7. Slide the slider bar left or right in the **Alarm volume** field to decrease or increase the alarm volume. A sample of the volume level plays.
8. Move the **Location alarm** slider to the right to activate the feature, then follow the on-screen instructions to enter a location. When activated, the alarm only sounds when you are at a specific location.
9. Move the **Snooze** slider to the right to activate the feature. Tap the field to assign a **Interval** time (3 minutes, 5 minutes, 10 minutes, 15 minutes, or 30 minutes) and **Repeat** (1 time, 2 times, 3 times, 5 times, and 10 times).
   - **Interval** indicates the length of time the alarm will remain silent between alarm notifications (snooze time).
   - **Repeat** indicates the numbers of snooze sessions that are assigned to this alarm. How many times will the snooze silence the alarm.

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10. Move the **Smart alarm** slider to the right to activate this feature which slowly increases screen brightness and the volume of nature tones to simulate dawn breaking.
    Tap the field to assign a interval time (1 minute, 3 minutes, 5 minutes, 10 minutes, 15 minutes, or 30 minutes) and nature tone (Fairy fountain, Birdsong by the lake, Sparkling mist, The secret forest, Serenity, or Gentle spring rain).
    - **Interval** category describes the length of time the alarm will remain silent between alarm notifications (snooze time).
    - **Tone** category provides one of several nature sounds that are used as the alarm tone.
11. Tap the **Name** field and enter a name for this Alarm.
12. Tap **Save** to store the new alarm event.

Turning Off an Alarm

- To stop an alarm when it sounds, touch and slide ⊗ to any direction.

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Setting the Snooze Feature

- To activate the Snooze feature after an alarm sounds, touch and slide zz to any direction. Snooze must first be set in the alarm settings.

Deleting an Existing Alarm

1. From within the **Clock** application, touch and hold an on-screen alarm event.
2. Tap **Delete**.

World Clock

This feature allows you to find out what time it is another part of world.

1. From within the **Clock** application, tap the **World clock** tab.
2. Tap **Add city** then scroll and select the desired city, or tap in the search field to locate a city.

To assign DST settings:

1. Locate a desired city from the World clock list.
2. Touch and hold a city and select **DST settings**.
3. Select a DST setting (Automatic, Off, or 1 hour).
   If Daylight Savings Time is selected, a sun symbol appears next to the World Clock city listing.

Stopwatch

This feature allows you to capture elapsed time while letting the stopwatch keep running.

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1. From within the **Clock** application, tap **Stopwatch** tab.
2. Tap **Start** to start the stopwatch counter.
3. Tap **Lap** to begin the lap time counter.
4. Tap **Stop** to stop the counter.
5. Tap **Restart** to restart the lap counter. You can have multiple lap times.
6. Tap **Reset** to reset the counter.

Setting a Timer

1. From within the **Clock** application, tap **Timer** tab.
2. Tap the **Hours**, **Minutes**, or **Seconds** field and use the on-screen keypad to enter the hour, minute, or seconds. The timer plays an alarm at the end of the countdown.
3. Tap **Start** to start the timer.
4. Tap **Stop** to stop the timer or **Reset** to reset the timer and start over.
5. Tap **Restart** to resume the timer counter.

Configuring a Desk Clock

This feature lets you activate an on-screen clock that can be viewed when the device is docked.

1. From within the **Clock** application, tap **Desk clock** tab. The default Desk clock is displayed.

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Note: You might have to scroll across the tabs to locate the Desk clock tab at the far right.

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2. To make changes, press and then tap **Settings**. The following option is displayed while in full-screen mode:
   - **Calendar**: when this is checked, the calendar is displayed. Tap to uncheck.
3. Tap to display the Desk clock in full-screen mode.

4. To make changes in full screen mode, press and then tap:
   - **Edit shortcuts**: allows you to edit the shortcuts shown at the bottom of full screen mode.
   - **Hide/Show shortcuts**: allows you to hide or view the current on-screen shortcuts located along the bottom of the full screen mode.
   - **Settings**: provides access to the Desk clock settings menu from where you can alter the following: Hide status bar, Wallpaper, and Calendar.

Contacts

The default storage location for saving phone numbers to your Contacts List is your phone's built-in memory.

- From the Home screen, tap (**Apps**) ➔ (**Contacts**).

For more information, refer to *"Contacts List"* on page 87.

Downloads

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Provides quick access to tabs containing a list of your current downloaded files (Internet and Other).

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1. From the Home screen, tap (**Apps**) ➔ (**Downloads**).
2. Place a check mark on an available file to select it.
3. Choose an available action such as Share, Delete, Sort by size/date, or Clear list.

Email

Email enables you to review and create email using most email services. The device alerts you when you receive an email message.

- From the Home screen, tap (**Apps**) ➔ (**Email**).

For more information, refer to *"Using Email"* on page 132.

G+ Photos

This application provides a shortcut to the Photos tab inside the Google+ app.

1. From the Home screen, tap (**Apps**) ➔ (**G+ Photos**).
2. Follow the on-screen instructions.

Gallery

The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or caller image, and share as a picture message.

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- From the Home screen, tap (**Apps**) ➔ (**Gallery**).

For more information, refer to *"The Gallery"* on page 165.

Gmail

Google Mail (Gmail) is a web-based email service. Gmail is configured when you first set up your device. Depending on your synchronization settings, Gmail can automatically synchronize with your Gmail account on the Web.

- From the Home screen, tap (**Apps**) ➔ (**Gmail**).

For more information, refer to *"Using Google Mail"* on page 148.

Creating a New Google Account

You should create a Google™ Account when you first use your device in order to fully utilize the functionality. This account provides access to several device features such as Gmail™, Hangouts™, and the Google Play Store™ applications. Before you are able to access Google applications, you must enter your account information. These applications sync between your device and your online Google account.

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Signing into Your Google Account

1. Launch an application that requires a Google account (such as Play Store or Gmail).
2. Click **Existing**.
3. Tap the **Email** and **Password** fields and enter your information.
4. Tap (**Sign in**). Your device communicates with the Google servers to confirm your information.
5. If prompted, you can enable the option to stay up to date on news and offers, then tap **OK**.

Opening Gmail

1. From the Home screen, tap (**Apps**) ➔ (**Gmail**).
2. Tap an existing email message.

Google

Use Google Search to search the Web. Google Now® (a part of the Google application) recognizes a user's repeated actions performed on the device (including access of common locations, repeated calendar appointments, search queries, etc.). This information is then used to display more relevant information to the user in the form of "cards". These scrollable on-screen cards are displayed when the Google Now application is launched.

These cards are not manually added. The service uses your GPS, Google Search, and usage information to generate these cards automatically.

- From the Home screen, tap (**Apps**) ➔ (**Google**) and enter the search text.

  – or –

  Tap on the Google Search bar and say the search information.

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To initially set up Google Now:

1. Press and hold (**Home**) and then tap **Google**.

   – or –

   From the Home screen, tap (**Apps**) ➔ (**Google**).
2. Follow the on-screen instructions to review the available information.

3. When prompted, agree to launch the application. Some initial on-screen “cards” are shown. A default is the Weather card that provides updated weather information in your area.

To configure the Google Now settings:

1. From the Home screen, tap (**Apps**) ➔ (**Google**).
2. Press and select **Settings**.
3. Access each desired Settings page and configure it as desired.

When these condition are met, new card information will begin to appear in the Google Now list of cards.

Note: Google Now will recognize searches and display them on your device, even if that search took place on your home computer or on another device. These searches are linked into your Google Account.

Google Settings

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As Google has become more intertwined with other applications, this menu provides a quick and ready access point to configure preferences for Google+, Maps, etc.. You can also use the Search function to initiate a Google Search from this menu.

1. From the Home screen, tap (**Apps**) ➔ (**Google Settings**) and select an on-screen option.
2. Select one of the available on-screen options.
3. Follow the on-screen prompts.

Google +

Google+ makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+.

1. Sign on to your Google account. For more information, refer to *"Creating a Samsung Account"* on page 280.
2. From the Home screen, tap (**Apps**) ➔ (**Google+**).
3. Select the account you want to use to sign in to Google+.

   – or –

   Tap **Add account** to create another account.
4. Follow the on-screen instructions to use Google+.
5. Visit www.google.com/mobile/+/ for more information.

Google+ instant upload may resize your images in order to reduce size.

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Hangouts

Previously known as Google Talk™, is an updated place to hangout, share photos, and even video calls. This is a free web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts.

Note: Before using this application, you must first have an active Gmail account available and be currently logged in.

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1. From the Home screen, tap (**Apps**) ➔ (**Hangouts**).

Note: Make sure you are logged into your Google account.

2. When prompted, read the on-screen information and confirm your phone number is correct before using the application. Tap **Confirm**.

Note: Confirming your phone number does not make it publicly available.

Help

Provides access to built-in Help information.

1. From the Home screen, tap (**Apps**) ➔ (**Help**).
2. Select an on-screen topic and follow the built-in navigations.

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Internet

Your device is equipped with a Google browser to navigate the mobile Web. This section explains how to navigate the browser and use the basic features.

Accessing the Internet

To access the Browser:

- From the Home screen, tap (**Apps**) ➔ (**Internet**).

Navigating with the Browser

1. Tap an entry to select an item.
2. Sweep the screen with your finger in an up or down motion to scroll through a website.
3. To return to a previous page, tap .
4. To move forward to a web page, tap .

Browser Options

1. From the top of the browser screen, select one of the available options:
   - **Navigation**: use the forward and back buttons to navigate through your browsing activity.
   - **Refresh**: reloads the current page.
   - **Windows**: displays a list of the windows you have open.
   - **Bookmarks**: provides access to the Bookmarks screen.

   – or –

   From any page, press to access your browser options.

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Entering a URL

You can access a website quickly by entering the URL. Websites are optimized for viewing on your phone.

To enter a URL and go to a particular website:

- From the homepage tap the **URL** field at the top of the screen, enter the URL and tap Go.

Search the Internet

To perform an Internet search using keywords:

1. From within the Google search application, tap the **Google** search field, enter the keyword(s) to search using the on-screen keypad.
2. Tap the entry from the list of search results that are displayed.
3. Tap a link to view the website.

Adding and Deleting Windows

You can have several Internet windows open at one time.

To add a new window:

1. From your browser window, tap (**Window**) ➔ (**New window**).
2. A new browser window displays.

Note: The number of currently open windows is displayed at the bottom of the WIndows screen.

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3. Scroll across the screen to view the currently active windows and tap an entry to launch the selected Internet window.

To delete an existing window:

1. From your browser window, tap (**Windows**).
2. Scroll across the available windows and locate your target window.
3. Tap next to the listing to delete the window.

Going Incognito

The incognito feature allows you to view Internet sites outside of the normal browsing. Pages viewed in this incognito window won't appear within your browser history or search history, and no traces (such as cookies) are left on your device.

Note: Any downloaded files will be preserved and will stay on your device after you exit the incognito mode.

To add a new incognito window:

1. From your browser window, tap 2 (**Windows**).
2. Press ➔ (**New incognito window**).
3. A new browser window displays.

Note: The incognito icon appears in the upper-left of the new browser window while you are in this mode.

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To exit from the incognito window:

1. From your browser window, tap 2 (**Windows**).
2. Scroll across the available windows and locate the incognito window.
3. Tap ⊖ next to the incognito listing to delete this window.

Using Bookmarks

While navigating a website, you can bookmark a site to quickly and easily access it at a future time. The URLs (website addresses) of the bookmarked sites display in the Bookmarks page. From the Bookmarks page you can also view your Most visited websites and view your History.

1. From the webpage, tap (**Bookmarks**).
   The **Bookmarks** page displays. Additional pages include **History** and **Saved pages**.
2. Press to display the Bookmark options.
3. Tap a bookmark to view the webpage, or touch and hold a bookmark to reveal additional options.

Adding Bookmarks

1. From the webpage, tap → **Add bookmark**.
2. Use the on-screen keypad to enter the name of the bookmark and the URL.
3. Select a storage location for your new bookmark.
4. Update the title of the Bookmark and confirm the URL.
5. Tap **Save**. The new save page now appears on the Bookmarks page.

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Editing Bookmarks

1. From the Bookmarks page, touch and hold the bookmark you want to edit.
2. Tap **Edit**.
3. Use the on-screen keypad to edit the name of the bookmark or the URL.
4. Tap the **Location** field to assign a new folder location.
5. Tap **Save** or **Cancel** to exit the operation.

Deleting Bookmarks

1. From the Bookmarks page, touch and hold the bookmark you want to delete.
2. Tap **Delete**.
3. At the confirmation window, tap **OK**.

Emptying the Cookies

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A cookie is a small file placed on your phone by a website during navigation. In addition to containing some site-specific information, a cookie can also contain some personal information (such as a username and password) which might pose a security risk if not properly managed. You can clear these cookies from your device at any time.

1. From an active Web page, press ☰ and then tap **Settings** ➔ **Privacy** ➔ **Delete personal data** ➔ **Clear all cookie data**.
2. Tap **Done** to delete the cookies or tap **Cancel** to exit.

Using Web History

The History list displays a list of the most recently viewed websites. These entries can be used to return to previously unmarked web pages.

1. From the webpage, tap ★ → **History** tab.
2. Select a visited range category. Choose from: Today, Yesterday, or Most visited.
3. Tap an entry to display the webpage.

   – or –

   Press ☰ and then tap **Clear history** to delete the current History list.

Saved Pages

The Saved pages list provides you with a list of the websites that you have saved.

1. From the webpage, tap ★ → **Saved pages** tab.

   A list of your saved webpages is displayed with their Name. The webpages that have been visited the most will appear at the top.

2. Tap any entry to display the webpage.

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Browser Settings

To configure browser settings:

1. From the Home screen, tap (**Apps**) ➔ (**Internet**).
2. Press and then tap **Settings**.
3. Choose an option from the available categories.

Maps

Google Maps allow you to track your current location, view real-time traffic issues, and view detailed destination directions. There is also a search tool included to help you locate places of interest or a specific address. You can view locations on a vector or aerial map, or you can view locations at the street level.

Important! Before using Google Maps you must have an active data (3G) or Wi-Fi connection. The Maps application does not cover every country or city.

- From the Home screen, tap (**Apps**) ➔ (**Maps**).

Important! For best results, it is recommended that you enable all of your location services. For more information, refer to *"Location Services"* on page 283.

Enabling a Location source

Before you use Google Maps and find your location or search for places of interest, you must enable a location source. To enable the location source you must enable the wireless network, or enable the GPS satellites.

Important! The more location determining functions are enabled, the more accurate the determination will be of your position.

---

1. From the main **Settings** page, tap **More** tab ➔ **Location services**.
2. Tap **Access to my location** to enable sharing your location with requesting applications.
3. Tap **Use GPS satellites** to enable the GPS satellite.
4. Tap **Use wireless networks** to allow apps to use data from sources such as Wi-Fi and mobile networks to provide a better approximation of your current location.
5. Tap **My places** to enable the storage of your favorite locations.

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To receive better GPS signals, avoid using your device in the following conditions:

- inside a building or between buildings
- in a tunnel or underground passage
- in poor weather
- around high-voltage or electromagnetic fields
- in a vehicle with tinted windows

Opening Maps

1. From the Home screen, tap (**Apps**) ➔ (**Maps**).
2. Tap **Accept & continue** from within the Welcome page.
3. Tap the bottom-right My location button to find your location on the map with a blinking blue dot.
4. Locate the top row of the buttons to access additional options.

Memo

- From the Home screen, tap (**Apps**) ➔ (**Memo**).

Creating a New Memo

1. From the Home screen, tap (**Apps**) ➔ (**Memo**).
2. Tap (**Create memo**).

Note: If this is your first memo, you are automatically taken to the new memo screen.

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3. Compose the memo.
4. Tap **Save**.
5. From within an active memo, press to access the following options:

Note: Depending on whether you have saved the memo, are in keypad mode, or in handwriting mode, the options will appear differently.

- **Delete**: allows you to delete the current memo.
- **Color**: allows you to change the memo's background color.

- **Lock**: allows you to lock an email by using a PIN number.
- **Print**: allows you to print the screen or web page on a Samsung printer using Wi-Fi.
- **Share text via**: allows you to share the text content of the currently displayed memo via either: Bluetooth, Email, Gmail, Google+, Hangouts, Messages, or Wi-Fi Direct.
- **Share via**: allows you to share your memo (Text file (.vnt) or Memo file (.snb), via Bluetooth, Email, Gmail, Messages or Wi-Fi Direct.

6. When you are finished creating your memo, tap **Save** on the top menu bar.

Messages

This application allows you to use the Short Message Service (SMS) to send and receive short text messages to and from other mobile phones.

You can also use the Multi Media Service (MMS) to create multimedia messages to send and receive from other mobile phones.

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- From the Home screen, tap (**Apps**) ➔ (**Messages**).

For more information, refer to *"Messages"* on page 113.

Music

The Music player is an application that can play music files. The music player supports files with extensions AAC, AAC+, eAAC+, MP3, WMA, 3GP, MP4, and M4A. Launching the Music Player allows you to navigate through your music library, play songs, and create playlists (music files bigger than 300 KB are displayed).

Playing Music

1. From the Home screen, tap (**Apps**) ➔ (**Music**).
2. Tap a library category tab to select the music category: **Songs**, **Playlists**, **Albums**, **Artists**, or **Folders**.
3. Scroll through the list and tap an entry to begin playback.
4. Use any of the following Music player controls:

	Pause the song.
	Start the song after pausing.
	Press and hold to rewind the song. Tap to go to previous song.
	Press and hold to fast-forward the song. Tap to go to next song.
	Volume control and SoundAlive.
	Plays the entire song list once.
	Replays the current list when the list ends.
	Repeats the currently playing song.
	shuffles the current list of songs randomly.

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	songs play in order and are not shuffled.
	lists the current playlist songs
	Returns the user to the music category screen.
	Assign the current song as a Favorite.
	Streams the current music file to another device via Samsung Link.

Making a Song a Phone Ringtone

1. From within the **Music** application, tap the **Songs** tab.
2. Touch and hold a song from the list to reveal the on-screen context menu.
3. Tap **Set as** ➔ **Phone ringtone.**
4. Select **Done**.
5. Additional Set as options include **Caller ringtone** and **Alarm tone**.

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Music Options

The Music Settings menu allows you to set preferences for the music player such as whether you want the music to play in the background, sound effects, and how the music menu displays.

- With the Music player application displayed and playing a song, press ☰ and select one of the following options:
  - **Via Bluetooth**: scans for devices and pairs with a Bluetooth headset.
  - **Add to playlist:** allows you to add the current music file to a selected playlist.

- **Set as**: allows you to set the current song as a Phone ringtone, Caller ringtone, or Alarm tone.
- **Settings**: allows you to change your music player settings.
- **Details**: allows you to view media info such as Artist, Title, Album, Track length, Genre, Track number, Format, Bit depth, Sampling rate, Size, and Location.
- **End**: closes the application.

Music Settings

The settings menu allows you to set preferences for the music player such as whether you want the music to play in the background, sound effects, and how the music menu displays.

1. From within the **Music** application, press ☰ → **Settings**.
2. Select one of the following settings:
   - **Music menu**: this menu allows you to select which categories you want to display. Choices are: Albums, Artists, Genres, Music square, Folders, Composers, Years, Most played, Recently played, or Recently added. Tap each item that you want to display in the Music menu.
   - **SoundAlive**: set a type of equalization such as Normal, Pop, Rock, Jazz, and Classic.
   - **Play speed**: set the play speed anywhere between 0.5X and 2.0X using the slider.
   - **Music auto off**: when enabled, sets a timer for the Music application to automatically turn off after a pre-selected amount of time.
   - **Lyrics**: when activated, the lyrics of the song are displayed if available.
   - **Smart volume**: when activated, automatically adjusts each track's volume to an equal level.

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Using Playlists

Playlists are used to assign music files into groups for playback. These Playlists can be created using the Music player on this device, or using a third-party application (such as Windows Media Player) and downloading those files to an SD card inserted into the device.

Creating a Playlist

1. From within the **Music** application, tap the **Playlists** tab.
2. Press ▤ and then tap **Create playlist**.
3. Delete the default playlist title and type a new name for this playlist, then tap **OK**.

Adding Music to a Playlist

1. From within the **Music** application, tap the **Playlists** tab.
2. Tap the custom playlist name in which to add music.
3. Tap + (**Add music**). This option is available within user-created playlists.

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Note: If a playlist is empty, add a song by touching a holding a song name from the main screen to open the context menu. Select **Add to playlist** and choose the playlist.

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4. Tap a music file, or tap **Select all** to add all the music tracks to this playlist then tap **Done**.

Removing Music from a Playlist

1. From within the **Music** application, tap the **Playlists** tab.
2. Tap the playlist name in which to delete music.
3. Touch and hold a song to reveal the on-screen context menu.

4. Tap **Remove**.

Editing a Playlist

Besides adding and removing music files in a playlist, you can also share, delete, or rename the playlist.

Note: Only those playlist you have created can be edited. Default playlists can not be renamed.

---

1. From within the **Music** application, tap the **Playlists** tab.
2. Touch and hold a playlist entry to reveal the on-screen context menu.
3. Tap **Edit title**.
4. Enter a new name for this playlist and tap **OK**.

Transferring Music Files

Music files can be downloaded to the phone using one of two methods:

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1. Downloaded to the device from the Play Store.
   Music files are directly stored on your phone.
2. Downloaded to the phone via a direct USB connection.
   Music files are stored into a Music folder on the SD card.

Removing Music Files

1. From within the **Music** application, tap the **Songs** tab.
2. Touch and hold a song entry to reveal the on-screen context menu.
3. Tap **Delete** ➔ **OK.** The music file(s) is deleted.

My Account Downloader

This application provides access to your current account information.

1. From the Home screen, tap (**Apps**) ➔ (**My Account Downloader**).
2. Follow the on-screen instructions to download the application.
3. Once installed, open the application and follow the on-screen instructions.

My Files

This application allows you to manage your sounds, images, videos, Bluetooth files, Android files, and other memory card data in one convenient location. This application allows you to launch a file if the associated application is already on your phone (ex: MP4).

- From the Home screen, tap (**Apps**) ➔ (**My Files**).

Note: Navigation in this viewer works on a hierarchy structure with folders, subfolders, etc.

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Note: The application lets you view supported image files and text files on both your internal storage and microSD card.

Opening and Navigating within Files

DCIM is the default location for pictures or video taken by the device. These files are actually stored in the DCIM folder location.

1. From the Home screen, tap (**Apps**) ➔ (**My Files**).
2. Tap a folder and scroll down or up until you locate your selected file.
   - **Home tab** allows you to back up to the root directory.
   - **Previous tab** allows you to back up into a higher directory.
   - Press and then tap **View as** to change the way the files are displayed on-screen. Choose from: **List**, **List and details**, or **Thumbnail**.
3. Press for these additional options: **Select item**, **Create folder**, **View as**, **Sort by**, **Add shortcut**, and **Settings**.

To navigate:

1. Tap **All files** ➔ **Device storage/SD memory card** to see the contents of either device or your internal SD card.
2. The following folders may display:
   - **Alarms**: this folder contains any alarm files you may have.
   - **Android**: the Android folder stores files that are used in Android applications.
   - **Bluetooth**: this folder stores files sent via a Bluetooth device.
   - **DCIM**: this is the default location for pictures and videos taken by the device. Tap **DCIM** ➔ **Camera** to view the picture or video files.
   - **Download**: this folder contains downloads you have made.
   - **Movies**: this folder contains your Video and Movie files.
   - **Music**: this folder contains your Music files.

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- **Notifications**: this folder contains all of the notifications you have received.
- **Pictures**: this folder contains your photos.
- **Podcasts**: this folder contains all of your podcasts.
- **Ringtones**: this folder contains any ringtones you have purchased.

Note: Different folders may appear depending on how your phone is configured.

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3. Once you have located your file, tap the file name to launch the associated application.

Phone

This application provides the ability to make or answering calls, access the Contacts list, which is used to store contact information.

- From the Home screen, tap (**Phone**).

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For more information, refer to *"Call Functions and Contacts List"* on page 54.

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Play Books

Formerly known as Google Books, this application allows you to read over 3 million ebooks on the go.

1. From the Home screen, tap (**Apps**) ➔ (**Play Books**).
2. If prompted, tap **Turn sync on**. This synchronizes your books you have previously selected between your Books account and your device.
3. Follow the on-screen instructions for using the Play Books application.

Play Games

This application takes you directly to the Play Store Games area from where you can make purchases.

1. From the Home screen, tap (**Apps**) ➔ (**Play Games**).
2. Accept the Mobile terms of service for Google+ by tapping **Accept**.
3. Select from an available on-screen option.

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Play Movies & TV

This application allows you to connect to the Play Store, download a movie and then watch it instantly.

Choose from thousands of movies, including new releases and HD titles in the Play Store and watch them instantly on your Android device.

Movies, previously rented via the Play Store are automatically added to your My Movies library across your devices.

Learn more about Google Play Movies at: http://play.google.com/about/movies.

1. From the Home screen, tap (**Apps**) ➔ (**Play Movies & TV**).
2. Log on to your Google account if you have not already done so. A list of videos sorted on the SD card displays in the Video list.
3. Following the on-screen instructions for renting and viewing movies.

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Play Music

Also known as Google Music, allows you to browse, shop, and playback songs purchased from the Play Store. The music you choose is automatically stored in your Google Music library and instantly ready to play or download.

- Access the new music tab from within your Play Store application.

The Music application contains a music player that plays music and other audio files that you copy from your computer.

1. From the Home screen, tap (**Apps**) ➔ (**Play Music**). The Music app searches both your online library and your device's internal storage for music and playlists; this can take from a few seconds to several minutes, depending on the amount of new music added since you last opened the application. It then displays a carousel view of your new and recent music, organized by album.
2. If prompted to join the service, select either **Add account** or **Not now**.
3. Follow the on-screen log in screens.
4. Return to the Library screen from most other screens in the Music application by tapping the Music application icon (**Music notification icon**) at the top-left of the Application bar.

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Searching for Music in Your Library

1. From within the **Play Music** application, tap (**Search**) to search through your available songs.
2. Type the name of an artist, album, song, or playlist.

   Matching songs are displayed in a list below the search box.
3. Tap a matching song to play it, tap a matching album, artist or playlist to view a list of its' songs.

Tab Options

There are various options available from the various tabs:

- From within the **Play Music** application, select one of the following tabs and tap to access an available option.
  - **GENRES:** Add to queue.
  - **ARTISTS:** select a song then choose: Add to queue, Keep on device, Add to playlist.
  - **ALBUMS:** Add to queue, Keep on device, Add to playlist, or Go to artist.
  - **SONGS:** Add to queue, Add to playlist, Go to artist, Go to album, or Delete.

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Playing Music

- From within the **Play Music** application, tap a song in your library to listen to it.

  The **Now playing** screen opens and the song you touched or the first song in the album or playlist starts to play. The tracks in the current list play in order until you reach the end of the list (unless you choose a repeat option). Otherwise, playback stops only if you stop it, even when you switch applications.

Note: If you navigate away from the **Now playing** screen in the Music application, the Now Playing bar appears at the bottom of the screen.

Displaying the Now Playing Screen

If you navigate away from the **Now playing** screen, to return to the **Now playing** screen from other Music screens:

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- Tap the name of the current song in the Now Playing bar.

  – or –

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  In a single motion, touch and drag (**Music notification icon**) down from the Status bar and tap the song title from the Notifications area. You can also pause and resume playback and skip to the next song in the panel. For more information, refer to *"Notification Bar"* on page 39.

Making Online Music Available Offline

In addition to playing the music that you add to your online library, you can play music stored on your device's internal storage. Then you can listen to music when you have no Internet connection. To do this, make some of your online music available offline.

Tip: You can also copy music directly from your computer to your device.

To make your online music available offline on your device:

1. From within the **Play Music** application, change your library view to Albums, Artists, or playlists.
2. Tap ⋮ and then select **Keep on device** to make available offline.

   A blue pin indicates that the item is already available offline.

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   Darker pins appear next to the items you can make available offline. A bar at the bottom of the screen shows how much space is available on your device for music and other files.

   Dim blue pins indicate songs or albums that you copied directly from a computer to your device.
3. Tap the dark pin next to each item you want to make available offline or tap a blue pin to stop making it available offline. You can switch to other views of your library to make other kinds of items available offline as well.

4. Tap **Done** in the bar at the bottom of the screen. The Music application starts downloading the items to your device.

Play Newsstand

With Google Play Newsstand, you can subscribe to and discover more of your favorite news magazines, and have them available to read on your device at any time or any place.

1. Log into your existing Google account.
2. From the Home screen, tap (**Apps**) ➔ (**Play Newsstand**).
3. Follow the on-screen instructions to subscribe to a magazine.

Play Store

Formerly known as the “Android Market”, this application provides access to downloadable applications and games to install on your phone. The Play Store also allows you to provide feedback and comments about an application, or flag an application that might be incompatible with your phone.

Before using the Play Store, you must have a Google Account.

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Accessing the Play Store

1. From the Home screen, tap (**Apps**) ➔ (**Play Store**).
2. If not already logged in with your Google account, tap **Next**.
3. Tap **Existing** and enter your Google account information.
4. Tap **Accept** to agree to the Play Store terms of service.

Downloading a New Google Application

To download a new application, you will need to use your Google account to sign in to the Play Store. The home page provides several ways to find applications. The home page features applications and includes a list of item applications by category, a list of games, a link to search, and a link to My apps.

1. From the Home screen, tap (**Apps**) ➔ (**Play Store**).
2. Browse through the categories, find an application you're interested in, and tap the name.
3. Read the application descriptions.

Important! If the selected application requires access to data or control of a function on your device, the Play Store displays the information the application will access.
Tap **OK** if you agree to the conditions of the application. Once you tap **OK** on this screen you are responsible for using this application on the device and the amount of data it uses. Use this feature with caution.

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4. Tap **INSTALL** ➔ **ACCEPT**.

Note: Use caution with applications which request access to any personal data, functions, or significant amounts of data usage times.

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5. If prompted, follow the on-screen instructions to pay for the application.

6. Check the progress of the current download by opening the Notifications panel. The content download icon appears in the notification area of the status bar.
7. On the main Play Store screen, press and then tap **My apps**, tap an installed application in the list, and then tap **OPEN**.

Tip: The newly downloaded applications display in the applications list and are shown in alphabetical order if the View Type is set to Alphabetical grid or Alphabetical list, or at the end of the list if View type is set to Customizable grid.

Note: A data plan is required to use this feature. Charges may apply. Please contact your service provider for further details.

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Launching an Installed Google Application

1. From the Home screen, tap (**Apps**).
2. Tap the newly installed application. This application is typically located on the last Applications page.

Unknown sources

This feature can be used for Android application development. The feature allows developers to install non-Play Store applications.

- From the main **Settings** page, tap **More** tab ➔ **Security** ➔ **Unknown sources**.
  Unknown sources displays a check mark to indicate it is active.

Note: If Unknown sources is disabled, those applications without a certificate will not be allowed to download to your device.

Manage applications

This feature allows you to manage and remove installed applications. You can also view the amount of memory or resources used as well as the remaining memory and resources for each of the applications on your device and clear the data, cache, or defaults.

- From the main **Settings** page, tap **More** tab ➔ **Application manager**.

Clearing application cache and data

1. From the main **Settings** page, tap **More** tab ➔ **Application manager**.
2. Tap an application in which to clear the cache or data.
3. Tap **Force stop**, **Turn off, Uninstall, Clear data**, **Clear cache**, or **Clear defaults**.

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Uninstalling third-party applications

You can uninstall any application you downloaded and installed from the Play Store.

1. From the main **Settings** page, tap **More** tab ➔ **Application manager** ➔ **DOWNLOADED**.
2. Tap the third-party application, and from the **App info** screen, tap **Uninstall**.

Settings

This icon navigates to the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone.

- From the Home screen, tap (**Apps**) ➔ (**Settings**).

  – or –

  From the Home screen, press and then tap **Settings**.

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For more information, refer to *"Changing Your Settings"* on page 223.

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Video

Using Video

The Video application plays video files stored on the SD card. This device is able to playback DivX videos.

1. From the Home screen, tap (**Apps**) ➔ (**Video**). A list of available videos displays in the Video list.
2. Tap a video file to begin viewing.

Sharing Videos

1. From the Home screen, tap (**Apps**) ➔ (**Video**). After a few seconds, each on-screen video begins to cycle through a preview of the first five seconds of the clip.
2. Press and then tap **Share via**.
3. Select either individual videos or tap **Select all**.
4. Click **Done** to complete the process or **Cancel** to quit.
5. Select a sharing option. Choose from: Bluetooth, Email, Gmail, Google+, Messages, Picasa, Wi-Fi Direct, or YouTube.

DivX Overview

This device is able to playback DivX videos. DivX Certified® to play DivX® video up to HD 720p, including premium content. If you try to play DivX VOD content not authorized for your device, the message "Authorization Error" will be displayed and your content will not play. Learn more at www.divx.com/vod.

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Your device must first be registered to playback protected or purchased DivX content. DRM-free or unprotected content does not required DivX VOD registration.

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Locating Your VOD Registration Number

1. From the main **Settings** page, tap **More** tab ➔ **About device** ➔ **Legal information** ➔ **License settings** ➔ **DivX® VOD** ➔ **Register**.
2. Write down your Registration code.
3. Tap **OK**.

Voice Recorder

The Voice Recorder allows you to record an audio file up to one minute long and then immediately send it as a message.

1. From the Home screen, tap (**Apps**) ➔ (**Voice Recorder**).
2. Tap (**List**) to display a list of current recordings.
3. Tap (**Recording quality**) to adjust the recording quality. Choose from: Normal or High quality recording.
4. Tap (**Record**) to record an audio file.
5. Tap (**Stop**) to stop recording. The file automatically saves to the Voice list.

   – or –

   Tap (**Pause**) to pause the recording of an audio file.

   – or –

   Tap (**Cancel**) to cancel the recording of an audio file.
6. From the Recorded files page, press and then select one of the following:
   - **Share via** and select a method in which to share this audio file. Selections are: Bluetooth, Email, Gmail, Messages, or Wi-Fi Direct. Refer to each specific section, depending on the method you selected to send this voice recording.
   - **Delete**: allows you to delete 1 or more voice recordings. Tap the recordings to delete and tap **Delete**.
   - **Settings**: the following settings are available:
     – **Storage**: allows you to choose where your recordings will be saved. Select between Device or memory card.
     – **Recording quality**: allows you to set the recording quality to High or Normal.

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– **Limit for multimedia messages**: allows you to select On or Off. If you Limit for MMS by selecting On, you will be assured that the recording can be sent in a message.

– **Contextual filename**: (requires GPS tagging) allows you to adjust the filename based on contextual information such as your current GPS location.

– **Default name**: allows you to choose the name prefix for your recordings. For example, if your Default name is Voice, your recordings would be named Voice 001, Voice 002, Voice 003, etc.

– **Noise reduction**: allows you to activate/deactivate background noise suppression.

– **Recording volume**: allows you to assign the ambient noise quality of your current location so the device can better detect audio. Choose from High or Low.

– **Skip interval**: allows you to assign a skip length.

- **End**: allows you to exit the application.

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Voice Search

Launches the Google Now application that is used for voice to text Internet searching.

1. From the Home screen, tap (**Applications**) ➔ (**Voice Search**).
2. When prompted, speak into the built-in microphone.
3. Use the on-screen options to find a matching search term.

YouTube

YouTube is a video sharing website on which users can upload and share videos, and view them in MPEG-4 format.

1. From the Home screen, tap (**Apps**) ➔ (**YouTube**).
2. Tap the search field to search for specific videos, scroll down to browse through the main page thumbnails, or scroll to the bottom to explore additional options.
3. To view a video, tap an available preview thumbnail or tap the title link.

To configure YouTube Settings:

- Press and then tap **Settings** and configure the following parameters:
  - **General**
    - **High quality on mobile**, when enabled, allows you to start all videos in high quality mode while you are connected to a mobile network.
    - **Caption font size** allows you to set the font size used by on-screen captions. Choose from: Small, Medium, Large, or Huge.
    - **Uploads** specifies network preferences for uploads.
    - **Content localization** allows you to prioritize channels and videos from a specific country or region.
    - **Improve YouTube** allows you to anonymously send YouTube information to help improve the application.
    - **New video notifications** allows you to receive notifications when new videos are posted that meet your interest criteria.
  - **Connected TVs**
    - Allows you to pair your device to a wireless TV running a YouTube application. Options include Add a TV and Edit TVs.

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- **Search**
  - **Clear search history** allows you to clear previous YouTube searches from showing up in the YouTube search box.
  - **Never remember history** allows you to force YouTube to never store search history information.
  - **SafeSearch filtering** allows you to configure block settings for videos containing restricted content. This option blocks these videos from appearing within your search results. Choose from: Don't filter or Strict.
- **Preloading**
  - **Preload subscriptions** allows you to preload (or go get videos while on Wi-Fi and charging) your subscription videos.
  - **Preload watch later** allows you to enable the preload function on selected videos so you can watch them later. Read the data usage information and tap **OK** to accept the terms.

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Note: Preloading YouTube videos will use some of your device's storage space and may result in additional charges if your Wi-Fi plan is not unlimited.

- **About**
  - **Help** provides answers to most YouTube questions.
  - **Feedback** allows you to provide user feedback to YouTube.
  - **Google Mobile Terms of Service**
  - **YouTube Terms of Service**
  - **Google Mobile Privacy Policy**
  - **YouTube Privacy Policy**

– **Open source licenses**

– **App version** displays the software version for the current YouTube application.

To watch a high quality video:

- Press ▭ and then tap **Settings** ➔ **General** ➔ **High quality on mobile**.

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Section 10: Changing Your Settings

This section explains the sound and phone settings for your device. It includes such settings as: display, security, memory, and any extra settings associated with your device.

Accessing Settings

- From the Home screen, tap (**Apps**) ➔ (**Settings**).

  – or –

  Press ➔ and then tap **Settings**. The Settings screen displays.

Settings Tabs - Overview

The Settings are divided into 4 main groups. When the Settings screen displays, the following 4 tabs are located at the top of the screen:

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Connections:

This tab allows you to see all of settings related to the connection of your device to external sources. Features include: Wi-Fi, Bluetooth, Data usage, More networks (Airplane mode, Mobile networks, and VPN).

My device:

This tab provides access to device configuration and customization features. Features include: Lock screen, Display, Sound, Home screen mode, Call, Blocking mode, Hands-free mode, Power saving mode, Accessibility, Language and input, and Motion.

Accounts:

This tab provides both the ability to create and modify your accounts (ex: Samsung account, Email, etc.), and access Backup and reset features.

More:

This tab provides access to the remaining set of device settings not listed under the other tabs. These include Location services, Security, Application manager, Battery, Storage, Date and time, and About device.

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Note: The settings for your device are described below using the order in which they appear in the Settings menu. Functions found under the Connections tab are listed first, followed by My device, Accounts, and More.

Wi-Fi Settings

About Wi-Fi

Wi-Fi (short for "wireless fidelity") is a term used for certain types of Wireless Local Area Networks (WLAN). Wi-Fi communication requires access to an existing and accessible Wireless Access Point (WAP). These WAPs can either be Open (unsecured) as within most Hot Spots, or Secured (requiring knowledge of the Router name and password).

Note: After you complete a connection to an active Wi-Fi network, the Wi-Fi Calling feature will automatically be enabled.

Activating Wi-Fi

By default, your device's Wi-Fi feature is turned off (deactivated). Activating Wi-Fi allows your device to discover and connect to compatible in-range WAPs (Wireless Access Points).

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1. From the Home screen, press and then tap **Settings** ➔ Connections (**Connections** tab).
2. In a single motion touch and slide the **Wi-Fi** slider to the right to turn it on ON. The device scans for available in-range wireless networks and displays them under Wi-Fi networks on the same screen.

Connecting to a Wi-Fi Network

1. From the main **Settings** page, tap **Connections** tab ➔ **Wi-Fi**.

   The network names and security settings (Open network or Secured with WEP) of detected Wi-Fi networks display in the Wi-Fi networks section.

2. Tap the network you wish to connect to.

Note: When you select an open network you are automatically connected.

---

3. Enter a wireless password (if necessary).
4. Tap **Connect**.

Wi-Fi Status Indicators

The following icons indicate the Wi-Fi connection status:

Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).

Displays when Wi-Fi is active and there is an available open wireless network.

Displays when Wi-Fi Direct is active and communicating.

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Manually Adding a Wi-Fi Network

1. From the main **Settings** page, tap **Connections** tab ➔ **Wi-Fi** ➔ **Add Wi-Fi network**.
2. Enter the Network SSID (the name of your Wireless Access Point).
3. Tap the **Security** field and select a security option. This must match the current security setting on your target WAP (Wireless Access Point).
4. Enter your WAP's password if the WAP is secure.

5. Tap **Connect** to store the new information and connect to the target WAP.

Note: An SSID is a unique key which identifies a wireless LAN. Its purpose is to stop other wireless equipment from accessing your LAN - whether accidentally or intentionally. To communicate, wireless devices must be configured with the same SSID.

Deactivating Wi-Fi

1. From the Home screen, press ☰ and then tap **Settings** ➔ **Connections** tab.
2. In a single motion touch and slide the **Wi-Fi** slider to the left to turn it off.

   – or –

   Activate and Deactivate Wi-Fi from the Notification bar.

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Note: Use of wireless data connections such as Wi-Fi and Bluetooth can reduce battery life and use times.

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Manually Scan for a Wi-Fi Network

1. From the Home screen, press ☰ and then tap **Settings** ➔ **Connections** tab ➔ **Wi-Fi**.
2. In a single motion touch and slide the **Wi-Fi** slider to the right to turn it on.
3. Tap **Scan**.

Wi-Fi Advanced Settings

The Wi-Fi settings - Advanced menu allows you to set up many of the device's Wi-Fi services, including:

- Setting the Wi-Fi sleep policy
- Check for Internet service
- Viewing the device's MAC Address
- Configuring use of either a DHCP or Static IP

To access the Wi-Fi Advanced Settings menu:

1. From the Home screen, press ☰ and then tap **Settings** ➔ **Connections** tab ➔ **Wi-Fi**.
2. Press ☰ and then tap **Advanced**.

Wi-Fi Notification

By default, when Wi-Fi is on, you receive notifications in the Status bar anytime your phone detects an available Wi-Fi network. You can deactivate this feature if you do not want to receive notifications.

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1. From the main **Settings** page, tap **Connections** tab ➔ **Wi-Fi**.
2. Press ☰ and then tap **Advanced**.
3. Tap **Wi-Fi notification**. A check mark displayed next to the feature indicates Network notification is active.
4. Tap **Wi-Fi notification** again to remove the check mark and deactivate this feature.

Sorting your Wi-Fi Entry List

1. From the main **Settings** page, tap **Connections** tab ➔ **Wi-Fi**.
2. Press ☰ and then tap **Advanced**.

3. Tap the **Sort by** field and select either **Alphabet** or **Signal strength**.

Wi-Fi During Sleep

By default, when your device enter a sleep mode, your Wi-Fi connection stays on all the time. If the feature is never enabled during sleep that current data usage is taken over by your SIM and its network connection.

1. From the main **Settings** page, tap **Connections** tab ➔ **Wi-Fi**.
2. Press ☰ and then tap **Advanced** ➔ **Keep Wi-Fi on during sleep**.
3. Select an available option:
   - **Always**: maintains your current active Wi-Fi connection even during sleep.
   - **Only when plugged in**: maintains the active Wi-Fi connection only when the device detects it is connected to a power supply. This reduced the drain on your device's battery.
   - **Never (increase data usage)**: shuts off the current Wi-Fi connection during sleep and diverts any current data usage to the cellular network connection.

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Allow scanning

Allows the Google location service and other apps to scan for networks, even when Wi-Fi is turned off.

1. From the main **Settings** page, tap **Connections** tab ➔ **Wi-Fi**.
2. Press ☰ and then tap **Advanced**.
3. Tap the **Always allow scanning** field to activate or deactivate the feature.

Auto Network selection

Allows the device to automatically switch between Wi-Fi network or cellular network.

1. From the main **Settings** page, tap **Connections** tab ➔ **Wi-Fi**.
2. Press ☰ and then tap **Advanced**.
3. Tap the **Auto network switch** field to activate the feature that would allow the device to connect to the best available signal connection.

Wi-Fi timer

1. From the main **Settings** page, tap **Connections** tab ➔ **Wi-Fi**.
2. Press ☰ and then tap **Advanced**.
3. Move the **Wi-Fi timer** slider to activate the feature.
4. Tap the field to access the configuration page where you can set the start and end connection times. Tap **Done** to store the new parameters.

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Install certificates

1. From the main **Settings** page, tap **Connections** tab ➔ **Wi-Fi**.
2. Press ☰ and then tap **Advanced**.
3. Tap **Install certificates** and follow the on-screen instructions.

Finding your WI-Fi Address Information

1. From the main **Settings** page, tap **Connections** tab ➔ **Wi-Fi**.
2. Press ☰ and then tap **Advanced**.
3. Locate the MAC Address and IP Address information at the bottom of the screen.

- **MAC address**: view your device's MAC address, required when connecting to some secured networks (not configurable).
- **IP address**: view your device's IP address.

Manage networks

Allows you to manage previous connected Access Points.

1. From the main **Settings** page, tap **Connections** tab ➔ **Wi-Fi**.
2. Press ☰ and then tap **Manage networks**.
3. Follow the on-screen prompts.

WPS Push Button

The WPS (Wi-Fi Protected Setup) feature (sometimes associated with a physical or on-screen button on most WAPs) allows you to pair your device and WAP without the need for entering a passcode. This process is similar to Wi-Fi Direct pairing.

In this case, once the WPS feature is active on your WAP, your device can then detect it and then immediately pair to it.

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Note: WPS-capable routers appear in the Wi-Fi list of available devices with the term (**WPS available**) below their name.

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To pair your device using WPS:

1. Follow the WPS activation instructions specific to your Wireless Access Point.
2. From the main **Settings** page, tap **Connections** tab ➔ **Wi-Fi**.
3. Press ☰ then tap **WPS push button**.
4. Once the connection is complete, confirm the external router now appears in the Wi-Fi list as connected.

WPS PIN Entry

If a WPS Push Button does not work, there is an alternative WPS connection method where you would use a device generated PIN number to establish the connection. This number is then entered into your WAP's WPS client PIN field to complete the connection.

To pair your device using WPS PIN:

1. From the main **Settings** page, tap **Connections** tab ➔ **Wi-Fi**.
2. Press ☰ then tap **WPS PIN entry**.
3. Write down the generate PIN number and enter it into your Wi-Fi Router's client PIN field.
4. Once the connection is complete, confirm the external router now appears in the Wi-Fi list as connected.

Wi-Fi Direct Setup and Settings

You can configure your device to connect directly with other Wi-Fi capable devices. This is an easy way to transfer data between devices. These devices must be enabled for Wi-Fi direct communication. This connection is direct and not via a Hotspot or WAP.

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Displays when Wi-Fi Direct is active and communicating

Note: Activating this feature will disconnect your current Wi-Fi network connection.

To activate your connection:

1. From the main **Settings** page, tap **Connections** tab.
2. In a single motion touch and slide the **Wi-Fi** slider to the right to turn it on. The slider color indicates the activation status.
3. Tap **Wi-Fi Direct**.
4. Tap **Scan** and select the single device name to begin the connection process to another Wi-Fi Direct compatible device.

   – or –

   Tap **Multi connect ➔ Scan** and select all the device names to begin the connection process to these Wi-Fi Direct compatible devices.

Note: The target device must also have Wi-Fi Direct service active and running before it can be detected by your device.

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5. Tap **Done**. The direct connection is then established. Confirm appears in the Status bar.
6. When prompted to complete the connection, the recipient should tap **OK**. Your status field now reads “Connected” and your connected device is listed within the Wi-Fi Direct devices listing.

Bluetooth settings

In this menu you can activate Bluetooth, view or assign a device name, activate your phone so other Bluetooth devices can discover it, or scan for other, available Bluetooth devices with which to pair.

About Bluetooth

Bluetooth is a short-range communications technology that allows you to connect wirelessly to a number of Bluetooth devices, such as headsets and hands-free car kits, and Bluetooth-enabled handhelds, computers, printers, and wireless devices. The Bluetooth communication range is usually up to approximately 30 feet.

Turning Bluetooth On and Off

To turn Bluetooth on:

1. From the Home screen, press and then tap **Settings** → Connections (**Connections** tab).
2. In a single motion touch and slide the **Bluetooth** slider to the right to turn it on.

   The slider color indicates the activation status. When active, displays in the Status area.

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To turn Bluetooth off:

1. From the Home screen, press and then tap **Settings**.
2. In a single motion touch and slide the **Bluetooth** slider to the left to turn it off.

Note: Bluetooth must be enabled prior to use.

Bluetooth Status Indicators

The following icons show your Bluetooth connection status at a glance:

Displays when Bluetooth is active.

Displays when Bluetooth is connected (paired) and communicating.

Bluetooth Settings

The Bluetooth settings menu allows you to set up many of the characteristics of your device's Bluetooth service, including:

- Entering or changing the name your device uses for Bluetooth communication and description
- Setting your device's visibility (or "discoverability") for other Bluetooth devices
- Displaying your device's Bluetooth address

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Changing the Device Name

1. From the Home screen, press and then tap **Settings** ➔ More (**More** tab) ➔ **About device**.
2. Tap the **Device name** field and use the on-screen keyboard to edit the current device name.
3. Tap to erase the current device name and enter a new name for this device using the keyboard.
4. Tap **OK** to confirm your setting.

Activating Visibility

1. From the main **Settings** page, tap **Connections** tab ➔ **Bluetooth**.
2. Verify your Bluetooth is active.
3. From the top of the Bluetooth settings page, toggle the state of the visibility check mark. Activating this feature enabled your device visible allows other devices to pair and communicate.

Note: Your device visibility is based on the time set within the Visible timeout field (2 minutes, 5 minutes, 1 Hour, or Never timeout). Press (**Menu**) ➔ **Visibility timeout**.
This value appears as a countdown within this **Visibility timeout** field.

Scanning for Devices

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This option allows you to scan for active Bluetooth devices so you can pair with them.

1. From the main **Settings** page, tap **Connections** tab ➔ **Bluetooth**.
2. From the bottom of the Bluetooth settings page, tap **Scan** to search for visible external Bluetooth-compatible devices such as headsets, devices, printers, and computers.

Important! Some Bluetooth devices are secured and require a PIN number to confirm and pair with them.

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3. Enter a PIN to pair with the device, if one is required, and tap **OK**.

Review Received Files

1. From the main **Settings** page, tap **Connections** tab ➔ **Bluetooth**.
2. Verify Bluetooth is active.
3. From the Bluetooth settings page, press ☰ and then tap **Received files**.

Pairing Bluetooth Devices

The Bluetooth pairing process allows you to establish trusted connections between your device and another Bluetooth device. When you pair devices, they share a passkey, allowing for fast, secure connections while bypassing the discovery and authentication process.

Note: Pairing between two Bluetooth devices is a one-time process. Once pairing is established the devices continue to recognize their partnership and exchange information without entering a passcode.

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To pair your device with another Bluetooth device:

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1. Verify Bluetooth is active.
2. From the Bluetooth settings page, tap the **Visibility** field (shown by the device name).

   Your device must be visible to successfully pair with an external device. This is shown by a green check mark.
3. Tap **Scan**. Your device displays a list of discovered in-range Bluetooth devices.
4. Tap a device from the list to initiate pairing.
5. Enter the passkey or PIN code, if needed, and tap **OK**.

6. The external device must accept the connection and enter your device's PIN code.

   Once successfully paired to an external device, displays in the Status area.

Note: Due to different specifications and features of other Bluetooth-compatible devices, display and operations may be different, and functions such as transfer or exchange may not be possible with all Bluetooth-compatible devices.

Important! If callers can not hear you during a call while using a paired Bluetooth headset (with built-in microphone), verify the **Call audio** option is enabled within the entry's Bluetooth Settings page.

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Configuring Bluetooth Device Settings

Some connected Bluetooth devices are capable of more than just functioning as a headphone, but also have built in microphones for picking up voice. Although both functions are detected by the device and activated, there might be times when you need to change or update these settings for Phone and Media Audio:

- I can hear the other person but they can't hear me...
- I want to use my Bluetooth device only as a headphone

1. Verify Bluetooth is active.
2. From the Bluetooth settings page, tap (**Settings**).
3. Toggle the **Call audio** field to activate/de-activate the Bluetooth device's on-board microphone.

4. Toggle the **Media audio** field to activate/de-activate the Bluetooth device's headset functions.

Note: If callers can not hear you during a call while using a paired Bluetooth headset (with built-in microphone), verify the **Call audio** option is enabled within the entry's Bluetooth Settings page.

Disconnecting a Paired Bluetooth Device

Disconnecting a paired device breaks the connection between the device and your phone, but retains the knowledge of the pairing. At a later point when you wish to reconnect the device, there is no need to setup the connection information again.

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap the previously paired device (from the bottom of the page).
3. Tap **OK** to confirm disconnection.

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Note: Disconnections are manually done but often occur automatically if the paired device goes out of range of your phone or it is powered off.

Deleting a Paired Bluetooth Device

Deleting a device from your list removes its “connection record” and upon reconnection would require that you re-enter all the previous pairing information.

1. Verify Bluetooth is active.
2. From the Bluetooth settings page, tap (**Settings**) ➔ **Unpair** to delete the paired device.

Sending Contacts via Bluetooth

Depending on your paired devices’ settings and capabilities, you may be able to send pictures, Contact information, or other items using a Bluetooth connection.

Note: Prior to using this feature, Bluetooth must first be enabled on both your phone and the external device, and the recipient’s device must be visible.

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1. Verify your Bluetooth is active and your phone is visible.
2. From the Home screen, tap (**Contacts**).
3. Touch and hold the entry from the list to display the on-screen context menu.
4. Tap **Share via** ➔ **Bluetooth** and select a paired external Bluetooth device.

Note: The external Bluetooth device must be visible and communicating for the pairing to be successful.

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5. A Bluetooth share notification displays in your notifications list.

Data Usage

Monitor and mange your device's data usage capabilities.

Features include activation/deactivation or network data usage, set mobile data usage for a set period of time, and view application data usage.

- From the Home screen, press and then tap **Settings** ➔ Connections (**Connections** tab) ➔ **Data usage**.

To activate/deactivate Mobile data usage:

1. From the main **Settings** page, tap **Connections** tab ➔ **Data usage**.
2. Tap the **Mobile data** field to activate the feature. A green check mark indicates the feature is active.
3. Tap the **Mobile data** field again to deactivate the feature.

To set a data usage cycle range:

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1. From the main **Settings** page, tap **Connections** tab ➔ **Data usage**.
2. Touch and drag the bottom grey vertical lines to adjust the time frames.
3. Press and then select from the available on-screen options:
   - **Restrict background data** prevents background data usage. This can help prevent over usage of your data minutes.
   - **Auto sync data** allows the device to automatically sync information and updates with your various services.
   - **Show Wi-Fi usage** activates an additional Wi-Fi tab that shows you your Wi-Fi data usage.

More Networks

This tab displays additional wireless and network information.

- From the Home screen, press and then tap **Settings** ➔ Connections (**Connections** tab) ➔ **More networks**.

Airplane Mode

This mode allows you to use many of your device's features, such as Camera, Games, and more, when you are in an airplane or in any other area where making or receiving calls or data is prohibited.

Important! When your device is in Airplane mode, it cannot send or receive any calls or access online information or applications.

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1. From the main **Settings** page, tap **Connections** tab ➔ **More networks**.
2. Tap **Airplane mode**. A check mark displayed next to the feature indicates Airplane mode is active.
   The Airplane mode icon is displayed at the top of your screen.

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Mobile networks

Before you use applications such as Google Maps and find your location or search for places of interest, you must enable the Mobile networks options.

- From the main **Settings** page, tap **Connections** tab ➔ **More networks** ➔ **Mobile networks**.

The following options display:

Use mobile data

Allows you to activate mobile data usage on your device.

- From the main **Settings** page, tap **Connections** tab ➔ **More networks** ➔ **Mobile networks** ➔ **Mobile data**.

Setting Global Data Roaming

Allows you to assign your Global Data Roaming parameters.

1. From the main **Settings** page, tap **Connections** tab ➔ **More networks** ➔ **Mobile networks** ➔ **Global Data Roaming Access**.
2. Make an on-screen selection.

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Roaming Status and Signal Strength

1. From the main **Settings** page, tap **Connections** tab ➔ **More networks** ➔ **Mobile networks**.
2. Review the on-screen information to determine your roaming status and signal strength information.

VPN settings

The VPN settings menu allows you to set up and manage Virtual Private Networks (VPNs).

Note: Before using VPN, you must first set up a screen unlock PIN or password. For more information, refer to *"Security"* on page 285.

Adding a VPN

Before you add a VPN you must determine which VPN protocol to use: PPTP, L2TP/IPSec PSK, L2TP/IPSec RSA, IPSec Xauth PSK, IPSec Xauth RSA, IPSec Hybrid RSA.

Important! Before you can use a VPN you must establish and configure one.

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1. From the main **Settings** page, tap **Connections** tab ➔ **More networks** ➔ **VPN**.
2. If prompted, read the screen lock information and follow the on-screen steps to setup an unlock PIN or password.
3. Tap + (**Tap to add VPNs**).
4. In the form that appears, fill in the information provided by your network administrator.
5. Tap **Save**.

Note: Similar setup process can be used for all available VPN types.

Connecting to a VPN

1. From the main **Settings** page, tap **Connections** tab ➔ **More networks** ➔ **VPN**.
2. Tap the VPN entry you want to connect to.
3. Enter any requested credentials into the pop-up that opens.
4. Tap **Connect**.

Edit a VPN

1. From the main **Settings** page, tap **Connections** tab ➔ **More networks** ➔ **VPN**.
2. Touch and hold the VPN that you want to edit.
3. In the pop-up that opens, select **Edit network**.
4. Make the desired VPN setting changes.
5. Tap **Save**.

Delete a VPN

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1. From the main **Settings** page, tap **Connections** tab ➔ **More networks** ➔ **VPN**.
2. Touch and hold the VPN that you want to delete.
3. Tap **Delete network** within the pop-up that opens up.

Lock Screen

This menu contains features that allows you to configure the device's security parameters.

Screen Unlock Pattern Overview

To secure data and limit phone access, set the phone to require a screen unlock pattern each time you turn on the device, or every time the phone wakes up from sleep mode (when the screen automatically turns off).

- From the Home screen, press and then tap **Settings** ➔ My device (**My device** tab) ➔ **Lock screen** ➔ **Screen lock**.

The Screen lock menu allows to choose from a variety of locking features such as:

- **Swipe**: Swipe the screen to unlock it.
- **Pattern**: A screen unlock pattern is a touch gesture you create and use to unlock your device. Follow the prompts to create or change your screen unlock pattern.
- **PIN**: Select a PIN to use for unlocking the screen.
- **Password**: Create a password for unlocking the screen.
- **None**: No pattern, PIN, or password is required. The screen will never lock.

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Using Swipe

This feature is the least secure locking method and only requires that a user swipe the screen to unlock the device.

1. From the main **Settings** page, tap **My device** tab ➔ **Lock screen**.
2. Tap **Screen lock** ➔ **Swipe**.

Swipe options

1. From the main **Settings** page, tap **My device** tab ➔ **Lock screen**.
2. Configure one of the following options.
   - **Shortcuts** sets shortcuts to appear at the bottom of the Lock screen. Touch and slide the slider to the right to turn it on.
   - **Unlock effect** sets the effect you receive when unlocking the phone. You can select None, Ripple effect, or Light effect.
   - **Help text** shows help information on the Lock screen.

Setting an Unlock Pattern

Creating a screen unlock pattern increases security on the phone. When you enable the User visible pattern field, you will draw an unlock pattern on the screen whenever you want to unlock the phone's buttons or touch screen. When you activate the User tactile feedback field, you feel vibration as feedback while drawing the pattern.

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The feature is now paired with a backup PIN code that acts as a backup to the pattern lock. If you forget your pattern, you can regain access to the device by entering a PIN code.

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Note: Make sure the Require Pattern field is activated.

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1. From the main **Settings** page, tap **My device** tab ➔ **Lock screen**.
2. Tap **Screen lock** ➔ **Pattern**.

3. Draw your pattern by touching your first on-screen point. Then, **without removing your finger from the screen, drag your finger over adjacent points until the gray trace line overlaps each point** and they are highlighted with a green circle.
4. When you have connected at least four dots in a vertical, horizontal or diagonal direction, lift your finger from the screen and tap **Continue**.
5. Confirm the new pattern by redrawing it and then tapping **Confirm**. The Unlock pattern is set.
6. Enter the backup PIN code and tap **Continue**.
7. Reenter the PIN to reconfirm the previous entry and tap **OK**.

Changing the Screen Lock Pattern

This feature allows you to change the previously stored unlock pattern and update it if necessary. This process is similar to changing your password from time to time.

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1. From the main **Settings** page, tap **My device** tab ➔ **Lock screen**.
2. Tap **Screen lock**.
3. Retrace your current pattern on the screen.
4. Tap **Pattern** and repeat steps 3 - 7 from the previous section.

Deleting the Screen Lock Pattern

1. From the main **Settings** page, tap **My device** tab ➔ **Lock screen**.
2. Tap **Screen lock**.
3. Retrace your current pattern on the screen.

4. Tap **None**.

Pattern options

Once an unlock pattern is enabled, additional options are available:

- **Make pattern visible** allows you to see the pattern as you draw it.
- **Lock automatically** allows you to set a time-out for lock screen.
- **Lock instantly with power key** allows you to lock the screen by pressing .

What If I Forget my Pattern?

If you forget your device's lock pattern, you can unlock your device or reset it using your Google™ Account credentials. When you enter the wrong unlock pattern too many times, you should see an option at the bottom of the screen that says **Forgot pattern?** Follow these steps to use either your PIN or email address.

Important! You can only enter an incorrect lock pattern 5 times before the device is locked.

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Important! If you are unsuccessful in retrieving your lock pattern or unlocking your device, please contact customer service for assistance.

To unlock your device with a PIN code:

1. Tap **Backup PIN** (located at the bottom of the screen).
2. Tap **Done**.

3. If you have forgotten your current pattern, tap **Pattern** from the Screen unlock settings menu and follow the procedures outlined in *"Setting an Unlock Pattern"* on page 247 to create a new pattern.

To unlock your device using your Google account:

1. Tap **Forgot pattern?** (located at the bottom of the screen).
2. Tap the **Username (email)** and **Password** fields, use the on-screen keyboard to enter your Google Account credentials, and tap **Sign in** to complete the login process.
3. If you have forgotten your Google Account credentials, visit the Google website to recover them. If you still cannot get your Google Account credentials, contact your wireless carrier for additional options.

PIN Lock and Unlock

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1. From the main **Settings** page, tap **My device** tab ➔ **Lock screen**.
2. Tap **Screen lock** ➔ **PIN**.
3. Enter a PIN number using the numeric keypad and touch **Continue** to confirm the password.
4. Confirm the PIN by re-entering it and tap **OK** to confirm.

   Your phone now requires you to enter this PIN number in order to unlock the phone.

Password Lock and Unlock

1. From the main **Settings** page, tap **My device** tab ➔ **Lock screen**.
2. Tap **Screen lock**.
3. Tap **Password**.
4. Enter a password using the keypad and tap **Continue** to confirm the password.
5. Confirm the password by re-entering it and tap **OK** to confirm.

Customizing Your Lock Screen Shortcuts

Your device also provides up to 4 application shortcuts that can be used to quickly access an application right from the lock screen.

Important! To use these shortcuts, your Screen Lock feature can only be set to either Swipe or None.

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To open a shortcut from the lock screen:

- In a single motion, swipe your finger over the on-screen icon and towards the top of your device. Your device will unlock and you will be taken immediately to the application.

To edit these Lock screen shortcuts:

1. From the main **Settings** page, tap **My device** tab ➔ **Lock screen** ➔ **Shortcuts**.
2. In a single motion touch and slide the **Shortcuts** slider to the right to turn it on.
3. Tap the **Shortcuts** field to activate the menu.
4. Tap a shortcut icon you wish to replace.

5. From the select application menu, tap a replacement application.

Display Settings

In this menu, you can change various settings for the display such as the wallpaper, brightness, orientation, and screen timeout, and power saving mode.

Adjusting the Screen Display

1. From the Home screen, press ☰ and then tap **Settings** ➔ My device (**My device** tab) ➔ **Display**.
2. Configure the following screen display settings:
   - **Wallpaper**: allows you to set the Wallpaper for your Home screen, Lock screen, or both.
   - **Notification panel**: allows you to set the brightness of your notification panel and also select the quick setting buttons that you want to display at the top of the notification panel.
   - **Brightness**: adjusts the on-screen brightness level. For more information, refer to *"Adjusting Screen Brightness"* on page 253.
   - **Auto rotate screen**: when enabled, the phone automatically switches from portrait to landscape orientation and vice versa. When this setting is disabled, the phone displays in portrait mode only.
   - **Screen timeout**: adjusts the delay time before the screen automatically turns off. Selections are: 15 seconds, 30 seconds, 1 minute, 2 minutes, 5 minutes, 10 minutes, and 30 minutes.
   - **Daydream**: allows you to control what your screen does when your device is docked or sleeping. Tap the adjacent OFF / ON icon to turn it on. Follow the on-screen instructions.

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- **Font style**: sets the fonts used on the LCD display. Selections are: **Default font**. Tap **Get fonts online** to download additional fonts.
- **Font size**: allows you to select which size of font is displayed.
- **Show battery percentage**: to activate/deactivate the display of battery charge percentage atop the battery icon at the top of the screen.

Adjusting Screen Brightness

This feature configures the LCD Brightness levels.

1. From the main **Settings** page, tap **My device** tab ➔ **Display** ➔ **Brightness**.
2. Touch and slide the on-screen slider to adjust the level and tap **OK**.

Assigning a Wallpaper

The Wallpaper settings option allows you to set the Wallpaper for your Home screen, Lock screen, or both.

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1. From the main **Settings** page, tap **My device** tab ➔ **Display** ➔ **Wallpaper**.
2. Select an available option to change its current wallpaper.

For more information, refer to *"Managing Wallpapers"* on page 47.

Sound Settings

From this menu you can control the sounds on the phone as well as configure the display settings.

- From the Home screen, press ☰ and then tap **Settings** ➔ My device (**My device** tab) ➔ **Sound**.

The following options display:

Silent mode via Device Options Screen

Silent mode is convenient when you wish to stop the phone from making noise, in a theater for example. In Silent Mode the speaker is muted and the phone only vibrates to notify you of incoming calls, or other functions that normally have a defined tone or sound as an alert.

1. From the Home screen, press and hold (**Power/End**) until the **Device options** screen displays.
2. Tap either **Mute**, **Vibrate**, or **Sound** from the Device options screen to activate or deactivate these features (the current mode displays).

Adjusting the Volume Settings

The Volume menu now provides access to various volume settings within one on-screen popup menu.

1. From the main **Settings** page, tap **My device** tab ➔ **Sound** ➔ **Volume**.
2. Touch and drag the on-screen slider to assign the volume settings for any of the following volume levels.
   - **Music, video, games and other media**, **Ringtone**, **Notifications** or **System**.
3. Tap **OK** to assign the volume levels.

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Setup the Ringtones

This option allows you to set the ringtone.

1. From the main **Settings** page, tap **My device** tab ➔ **Sound**.
2. Tap **Ringtones**.
3. Tap a ringtone from the available list. The ringtone briefly plays when selected.
4. Tap **Add** to locate a compatible media file that can be used as a ringtone.
5. Tap **OK** to assign a ringer.

Setup the Vibration

This option allows you to set your device to vibrate and ring.

1. From the main **Settings** page, tap **My device** tab ➔ **Sound**.
2. Tap **Vibrations**.
3. Select a vibration pattern and tap **OK**.

   – or –

   Tap **Create** to then use an on-screen touch circle to create your own custom vibration pattern. Tap **Save** to store the new vibration pattern.

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Setting a Default Notification Ringtone

This option allows you to set the ringtone that will sound for notifications and alarms.

1. From the main **Settings** page, tap **My device** tab ➔ **Sound**.
2. Tap **Default notification sound**.
3. Select a ringtone and tap **OK**.

Setting up Vibration When Ringing

This option allows you to enable your phone to vibrate when a call is incoming.

1. From the main **Settings** page, tap **My device** tab ➔ **Sound**.
2. Tap the **Vibrate when ringing** field to activate the feature.

Audible System Tone Settings

These options are used when you use the dialing pad, make a screen selection, lock your screen, or tap the screen. Each time you press a key or make a selection the selected tone sounds.

1. From the main **Settings** page, tap **My device** tab ➔ **Sound**.
2. Tap **Dialing keypad tone** to activate a tone when you use on-screen keys. A check mark displayed next to these features indicates active status.
3. Tap **Touch sounds** to activate a tone when you touch the screen. A check mark displayed next to this feature indicates active status.
4. Tap **Screen lock sound** to activate a tone when you use the Lock screen. A check mark displayed next to this feature indicates active status.
5. Tap **Emergency tone** to activate an emergency tone. Choose from: Off, Alert, and Vibrate.

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Samsung Keyboard

These options are used when you use the on-screen keypad.

1. From the main **Settings** page, tap **My device** tab ➔ **Sound**.
2. Tap **Key-tap sound** to activate a tone when you use on-screen keys. A check mark displayed next to this features indicates active status.

Adapt Sound

This sound feature to configure your device to find the best sound for use during a call and while you play music.

1. From the main **Settings** page, tap **My device** tab ➔ **Sound** ➔ **Adapt Sound**.
2. Tap **Start** and follow the on-screen prompts to complete the configuration.

Home Screen Mode

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This application allows you to set your display to the conventional layout of **Standard mode** or provide an easier user experience for the first-time smartphone users using **Easy mode**.

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1. From the Home screen, press ☰ and then tap **Settings** ➔ My device (**My device** tab) ➔ (**Home screen mode**).
2. Select one of the following options:
   - **Standard mode**: provides conventional layout for the apps and widgets on your home screens.
   - **Easy mode**: provides easier user experience for first-time smartphone users on the home screens.
3. Tap **Apply** and give your device a few seconds to update the device with the new look and feel.

Call Settings

1. From the Home screen, tap (**Phone**).
2. Press and then tap **Call settings**.

   – or –

   From the Home screen, press and then tap **Settings** ➔ My device (**My device** tab) ➔ **Call**.

Configuring General Call Settings

Configure the general call settings using this option.

1. From the Home screen, tap (**Phone**).
2. Press and then tap **Call settings** and then tap one of the following options:
   - **Call block**: allows you to manage your rejection mode and rejection list.
     – **Block calls**: sets the phone block calls status. Choose from: Off, All numbers, or Call block list only.
     – **Call block list**: provides access to current rejection entries and numbers.
   - **Set up call rejection messages**: allows you to manage both existing rejection messages and create new ones.
   - **Answering/ending calls**: allows you to manage the settings for answering and ending calls.
     – **The home key answers calls** allows you to press to answer the phone.
     – **The power key ends calls** allows you to press the power key to end the current call.
   - **Turn off screen during calls**: allows you to force the screen to turn off during an active call.

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- **Call alerts**: allows you to assign call alert tones and activate call alerts and vibration.
  - **Call vibrations**: vibrates the phone when the called party answers. Choose from: Answer vibration or Call-end vibration.
  - **Call status tones**: assigns sounds settings during the call. Choose from: Call connect tone, Minute minder, and Call end tone.
  - **Alerts on calls**: selects whether alarm and message notification is turned off during a call.
- **Call accessories**: allows you to assign headset settings during incoming calls.
  - **Automatic answering** configures the device to automatically answer and incoming call when a headset is detected.
  - **Automatic answering timer** configures the time delay before the device automatically accepts the incoming call.
  - **Outgoing call conditions** configures the connected Bluetooth device to make outbound calls within one of two settings: Even when device locked or Only when device unlocked.

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- **Ringtones and keypad tones**: allows you to manage your device's ringtones and vibratory features. Choose from: Ringtones, Vibrations, Vibrate when ringing, and Dialing keypad tone (used when the keypad is pressed).
- **Personalize call sound**: allows you to enable the personalize call sound function within an active call. You can adjust the audio by altering the In-call sound EQ or using the Adapt Sound feature.
- **Noise reduction**: allows you to suppress background noises in your area and improove the call quality.

- **Voicemail service**: allows you to assign the service.
- **Voicemail settings**: displays the settings for the voicemail.
- **Sound**: assigns your device's ringtone.
- **Vibrate**: configures the vibrate settings.
- **Auto retry**: allows you to enable or disable the abilty to make the device continue to redial a number if it is currently busy.
- **TTY mode**: allows you to configure the TTY settings. For more information, refer to *"TTY Mode"* on page 264.
- **Hearing aids**: allows you to enable/disable hearing aid compatibility. For more information, refer to *"Hearing Aids Mode"* on page 264.
- **DTMF tones**: allows you to set the lengths of DTMF tones. For more information, refer to *"DTMF Tones"* on page 265.
- **Voice privacy**: allows you to activate/deactivate the voice privacy feature.

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Call blocking

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1. From the main **Call settings** page, tap **Call block** ➔ **Block calls** and tap one of the following options:
   - **Off**: to deactivate the feature.
   - **All numbers**: to reject all calls.
   - **Call block list only**: to reject all calls in your Reject list.
2. Tap **Call block list**.
3. Tap + to manually add numbers to the Reject list.
4. Tap **Unavailable** to create a check mark and automatically reject all calls that are not in your Contacts list.

Set reject messages

1. From the main **Call settings** page, tap **Set up call rejection messages**.
2. Tap + to manually add a reject message.

   – or –

   Tap one of the pre-written messages to be displayed when you want the call to be rejected. You can edit the message if desired.
3. Tap **Save** to save the reject message.

Answering/ending calls

1. From the main **Call settings** page, tap **Answering/ending calls**.
2. Select any of the following options:
   - **The home key answers calls** allows you to press ▬ to answer the phone.
   - **The power key ends calls** allows you to press the power key to end the current call.

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Turn off screen during calls

This option turns on the proximity sensor during calls so that your phone will know to turn the screen off to save power.

- From the main **Call settings** page, tap **Turn off screen during calls** to create a check mark and enable the feature.

Call alerts

1. From the main **Call settings** page, tap **Call alerts**.
2. Tap **Call vibrations** to enable your phone to vibrate when the called party answers the phone.
   – Choose from: Vibrate on connection to network or Call-end vibration.
3. Tap **Call status tones** to set the sound settings during a call then tap **OK**.
   – Choose from: Call connect tone, Minute minder, and Call end tone.
4. Tap **Alerts on calls** to turn off alarm and message notifications during a call.

Accessory settings for call

1. From the main **Call settings** page, tap **Call accessories**.
2. The following options are available:
   - **Automatic answering**: configures the device to automatically answer and incoming call when a headset is detected.
   - **Automatic answering timer**: configures the time delay before the device automatically accepts the incoming call.
   - **Outgoing call conditions**: allows you to make calls even when the device is locked.

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Ringtones and keypad tones

1. From the main **Call settings** page, tap **Ringtones and keypad tones**.
2. Tap **Ringtones**, select a ringtone, and tap **OK**.
   - Tap **Add** to locate an audio file to create as a ringtone.
3. Tap **Vibrations**, select a vibration type, and tap **OK**.

- Tap **Create** to begin creating your own custom vibration.

4. Tap **Vibrate when ringing** to create a check mark if you want your phone to vibrate when a call is incoming.
5. Tap **Dialing keypad tone** to create a check mark if you want tones to play when the keypad is pressed.

Personalize call sound

This option allows you to personalize the sounds you hear during a call with and without earphones.

- From the main **Call settings** page, tap **Personalize call sound** and activate the feature by selecting an available option.

Voicemail

You can view your voicemail number from this menu.

1. From the main **Call settings** page, tap **Voicemail service**.
2. If an additional voicemail service is in use (other than carrier), tap **Voice settings** to now view your selected voicemail number and information.

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Sound - Voicemail Ringtone

This option allows you to assign your default voicemail notification tone.

1. From the main **Call settings** page, tap **Sound**.
2. Select a voicemail notification tone and tap **OK**.

Vibrate

This option allows you to activate a vibration for an incoming voicemail.

From the main **Call settings** page, tap **Vibrate** field to toggle the feature on or off.

TTY Mode

A TTY (also known as a TDD or Text Telephone) is a telecommunications device that allows people who are deaf, hard of hearing, or who have speech or language disabilities, to communicate by telephone.

Your device is compatible with select TTY devices. Please check with the manufacturer of your TTY device to ensure that it is compatible with digital cell phones.

Your phone and TTY device will connect via a special cable that plugs into your phone's headset jack. If this cable was not provided with your TTY device, contact your TTY device manufacturer to purchase the connector cable.

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1. From the main **Call settings** page, tap **TTY mode**.
2. Tap **TTY Full**, **TTY HCO**, or **TTY VCO** to activate the feature, or **TTY Off** to deactivate the feature. Off is the default setting.

Hearing Aids Mode

This menu is used to activate or deactivate Hearing Aid Compatibility for this device.

- From the main **Call settings** page, tap the **Hearing aids** field to activate the feature (green check mark), or tap it again to deactivate the feature. Off is the default setting.

DTMF Tones

DTMF tones are the sounds you hear when pressing each number a touch-tone phone. The DTMF tones feature allows you to set the length of time that you hear each tone when tapping a number on the phone's dialpad.

1. From the main **Call settings** page, tap **DTMF tones**.
2. Choose from either **Normal** or **Long**.

Blocking Mode

When Blocking mode is enabled, notifications for selected features will be disabled. You will only receive notifications of incoming calls from people on your allowed list.

1. From the Home screen, press and then tap **Settings** → My device (**My device** tab).
2. In a single motion touch and slide the **Blocking mode** slider to the right to turn it on.
   Confirm the Blocking mode active icon appears in the Status bar.
3. Place a green check mark adjacent to those features you would like to enable. Choose from: Block incoming calls, Turn off notifications, and Turn off alarm and timer.
4. Configure a timeframe for these features to be active. Remove the check mark from the **Always** field to configure the **From** and **To** time fields.

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5. Tap **Allowed contacts** to assign those contacts that are exempted from these rules. Choose from None, All contacts, Favorites, or Custom. Allowed contacts will then appear in the **Allowed contact list**.

Hands-free Mode

When enabled, alarm and information will be read aloud.

1. From the Home screen, press and then tap **Settings** ➔ My device (**My device** tab) ➔ **Hands-free mode**.
2. In a single motion touch and slide the **Hands-Free mode** slider to the right to turn it on.
   Confirm the Hands-Free mode active icon appears in the Status bar.
3. Enable any of the following options:
   - **Incoming call**: read out callers' information when receiving incoming calls.
   - **Message**: read out senders' information when receiving incoming calls.
   - **Alarm**: read out alarm information when alarms sound.
   - **Schedule**: read out scheduled alarm information when alarms sound.

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Power Saving Mode

This feature allows you both automatically set the phone to use a power saving mode and configure additional power saving options manually, all in an effort to conserve battery power.

1. From the Home screen, press and then tap **Settings** ➔ My device (**My device** tab) ➔ **Power saving mode**.
2. In a single motion touch and slide the slider to the right to turn it on.
3. Tap the following options to create a check mark and conserve power:
   - **CPU power saving**: allows you to limit the maximum performance of the CPU.
   - **Screen power saving**: allows you to lower the screen power level.
4. Tap **Learn about Power saving** to learn about various ways to conserve battery power.

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Accessibility Settings

This service lets you enable and disable downloaded accessibility applications that aid in navigating your Android device, such as TalkBack (uses synthesized speech to describe the results of actions), KickBack (provides haptic feedback for actions), and SoundBack (plays sounds for various actions). Also lets you enable use of the power key to end calls.

1. From the Home screen, press and then tap **Settings** ➔ My device (**My device** tab) ➔ **Accessibility**.

Note: Initially, it might be necessary to download accessibility applications from the Play Store.

2. Select the **Auto rotate screen** field to activate this feature which automatically rotates an available screen.
3. Tap **Screen timeout** to timeout the accessibility feature after a defined amount of time.
4. Tap **Lock automatically** to lock the screen automatically after a selected amount of time.

Note: The Lock automatically function is only available if your device is already using the screen lock feature.

5. Select the **Speak passwords** field to activate this feature which reads out password information.
6. Select **Answering/ending calls** field to select the methods you can use to answer and end a call.
7. Tap **Show shortcut** allows you to press and hold (**Power/End**) to use the accessibility shortcut under the Device options screen.
8. Tap **Manage accessibility** to save and update your accessibility settings or share them with another device. You can export your settings, import a previously saved file, or share your file with another device.
9. Tap **TalkBack** to activate the feature.

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Note: TalkBack, when installed and enabled, speaks feedback to help blind and low-vision users.

Important! TalkBack can collect all of the text you enter, except passwords, including personal data and credit card numbers. It may also log your user interface interactions with the device.

10. Tap the **Font size** field to change the size of the fonts used on the device within menus, options, etc..
    Choose from: Tiny, Small, Normal, Large, or Huge.
11. Enable **Magnification gestures** to use exaggerated gestures such as triple-tapping, double pinching, and dragging two fingers across the screen.
12. Tap the **Negative colors** field to reverse the display of on-screen colors from White text on a Black background to Black text on a White background.
13. Tap **Notification reminder** to quickly enable the feature whereby a beep plays when you have unread notifications pending.
14. Tap **Accessibility shortcut** to allow you to quickly enable accessibility features in 2 quick steps. Touch and slide the slider to the right to turn it on. Follow the on-screen instructions.
15. Tap the **Text-to-speech options** field to configure the text to speech configuration parameters.

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16. Use the **Sound balance** field to allow you to use the slider to set the Left and Right balance when using a stereo device.
17. Tap the **Mono audio** field to enable stereo audio to be compressed into a single mono audio stream for use with a single earbud/earphone.
18. Tap the **Turn off all sounds** field to mute every sound made by the device during taps, selections, notifications, etc..
19. Enable the **Assistant menu** to allow you to improve the device accessibility for users with reduced dexterity. Touch and slide the slider to the right to turn it on. Follow the on-screen instructions.
20. Tap the **Touchand hold delay** field to select a time interval for this action. Choose from: Short, Medium, or Long.
21. Enable **Interaction control** to allows you to enable or disable motions and screen timeout. You can also block areas of the screen from touch interaction. Touch and slide the slider to the right to turn it on. Follow the on-screen instructions.

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Language and Input Settings

This setting allows you to configure the language in which to display the menus. You can also set on-screen keyboard options.

- From the Home screen, press ☰ and then tap **Settings** ➔ My device (**My device** tab) ➔ **Language and input**.

Language Settings

To set the language that the menus display on the phone:

1. From the main **Settings** page, tap **My device** tab ➔ **Language and input** ➔ **Language**.
2. Select a language and region from the list.

Choose Input Method

1. From the main **Settings** page, tap **My device** tab ➔ **Language and input** ➔ **Default**.
2. Select an input method.

   – or –

   Tap **Select input methods** to alter/modify the available input methods.

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Samsung Keyboard Settings

1. From the main **Settings** page, tap **My device** tab ➔ **Language and input** ➔ (adjacent to the **Samsung keyboard** field).

   – or –

   From within an active text entry screen, touch and hold (**Input Methods**), drag across the icons, and select (**Settings**) to reveal the **Samsung keyboard settings** screen.

2. Set any of the following options:
   - **Portrait keyboard types** sets the appearance of an alphabetic keyboard. Choose from Qwerty keyboard or 3x4 keyboard.
   - **Numbers and symbols** sets the usage of numbers and symbols to be displayed as either: Language dependent, Qwerty keyboard, or 3x4 keyboard.
   - **Input languages** sets the input language. Tap a language from the available list. The keyboard is updated to the selected language.
   - **Predictive text** enables predictive text entry mode. This must be enabled to gain access to the advanced settings. Touch and hold to access the advanced settings.
   - **Continuous input** like using Swipe, allows you to enter text by sliding your fingers across the on-screen keyboard. This feature is optimized for use with the on-screen QWERTY keyboard.
   - **Key-tap sound** enables auditory feedback when you tap an on-screen key.
   - **Advanced** provides access to additional settings.
     – **Auto capitalization** automatically capitalizes the first letter of the first word in each sentence (standard English style).

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– **Auto spacing** automatically inserts space between words.

– **Auto punctuate** automatically inserts a full stop in a sentence by tapping the space bar twice when using the on-screen QWERTY keyboard.

– **Character preview** provides an automatic preview of the current character selection within the text string. This is helpful when multiple characters are available within one key.

- **Help** launches a brief on-screen help tutorial covering the main concepts related to the Samsung keyboard.
- **Reset settings** resets the keyboard settings back to their original configuration.

Predictive Text - Advanced Settings

The predictive text system provides next-letter prediction and regional error correction, which compensates for users pressing the wrong keys on QWERTY keyboards.

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Note: Only available when ABC mode is selected. Predictive text advanced settings are available only if the Predictive function is enabled.

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1. From the main **Settings** page, tap **My device** tab ➔ **Language and input** ➔ (adjacent to the **Samsung keyboard** field).

   – or –

   From within an active text entry screen, touch and hold (**Input Methods**) ➔ (**Settings**) to reveal the **Samsung keyboard settings** screen.

2. In a single motion touch and slide the **Predictive text** slider to the right to turn it on.
3. Tap the **Predictive text** field and configure any of the following advanced options:
   - **Auto replacement** activate this feature to embale the ability to complete or replace a word with the most likely match after tapping the spacebar or punctuation mark.
   - **Personalized data** activate this feature to use the personal language data that you have entered and selected to make your text entry prediction results better. By enabling this feature you can choose from the following personalization features:
   - **Learn from Gmail**: allows you to sign in to your existing Gmail account from where your style and existing contact information is added to your personal dictionary. Helps recognize familiar names.
   - **Learn from Facebook** allows you to log into your current Facebook account and add used text to your personal dictionary.
   - **Learn from Twitter** allows you to sign into your existing Twitter account and add used text to your personal dictionary.
   - **Learn from Messages** allows your device to learn your messaging style by using your Messages information.
   - **Learn from Contacts** updates predictive style by learning your Contacts style.
   - **Clear personal data** removes all personalized data entered by the user.
4. Press ⮌ to return to the previous screen.

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Configure Google Voice Typing

1. From the main **Settings** page, tap **My device** tab ➔ **Language and input**.

   – or –

   From a screen where you can enter text, in a single motion, touch and drag the Status bar down to the bottom of the screen, then select (**Select input method**) ➔ **Set up input methods**.

2. Tap (adjacent to the **Google voice typing** field).
3. Select a language by tapping **Choose input languages** area.
4. Remove the check mark from the **Automatic** field. This allows you to select additional languages.
5. Select the desired languages.
6. Activate **Block offensive words** to block recognition of known offensive words or language. (A blue check mark indicates the feature is active).
7. Tap **Offline speech recognition** to enable speech recognition via locally stored files so that even if you are not connected to a network you can still use the service.

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Configuring Voice Input Recognition

This feature allows the device to correctly recognize verbal input.

1. From the main **Settings** page, tap **My device** tab ➔ **Language and input.**
2. Tap **Voice search** to configure the following:
   - **Language**: choose a language for your voice input.

- **Speech output**: sets whether you will use speech output always or only when using hands-free.
- **Block offensive words**: enable or disable blocking of recognized offensive words from the results of your voice-input Google searches.
- **Hotword detection**: enable to being able to launch voice search by saying the word “Google”.
- **Offline speech recognition**: enables voice input while offline.
- **Personalized recognition**: enables the improvement of speech recognition accuracy.
- **Google Account dashboard**: allows you to manage your collected data.
- **Bluetooth headset**: records audio through a connected Bluetooth headset.

3. Press ⮌ to return to the previous screen.

Configuring Text-to-speech

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This feature allows the device to provide a verbal readout of on-screen data such as messages and incoming caller information. This action is called TTS (Text To Speech).

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1. From the main **Settings** page, tap **My device** tab ➔ **Language and input** ➔ **Text-to-speech options**.
2. Select a current Preferred TTS engine from the list of available options. Select **Samsung text-to-speech engine** or **Google Text-to-speech Engine**.
3. Tap ⚙ next to the preferred TTS engine configure the following settings:
   - **Language**: allows you to set the language for spoken text.

- **Settings for Google Text-to-speech Engine**: allows you to view Open Source Licenses.
- **Settings for Samsung text-to-speech engine**: allows you to configure the General settings for the Samsung TTS.

4. Configure the General options to alter the settings associated with this feature:
   - **Speech rate**: adjusts the rate at which on-screen text is spoken by the device.
   - **Listen to an example**: plays a short example of what the text-to-speech feature sounds like on your device when activated.

Configuring the Mouse-TrackPad

This feature allows you to configure the pointer speed for a connected mouse or trackpad.

1. From the main **Settings** page, tap **My device** tab ➔ **Language and input** ➔ **Pointer speed**.
2. Adjust the slider and tap **OK**.

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Motion Settings

This feature allows you to assign specific functions to certain phone actions that are detected by both the accelerometer and gyroscope.

Caution! Excessive shaking or impact to the device may cause unintended results. To learn how to properly control motions, tap (**Apps**) ➔ **Settings** ➔ **My device** tab ➔ **Motion**. When tapped, each entry comes with an on-screen tutorial.

To activate motion:

1. From the Home screen, press ☰ and then tap **Settings** ➔ My device (**My device** tab) ➔ **Motion**.
2. In a single motion touch and slide the **Motion** slider to the right to turn it on.

Note: If Motion activation is not enabled, all motion services are greyed-out and disabled.

To activate different motion functions:

- Tap the **Motion activation** field and activate the desired on-screen motion option.
  - **Smart alert**: Once enabled, pickup the device to be alerted and notified of you have missed any calls or messages.
  - **Turn over to mute/pause**: Once enabled, mute incoming calls and any playing sounds by turning the device over display down on a surface. This is the opposite of the pickup to be notified gesture.
  - **Learn about motions**: Provides an on-screen tutorial to describe the usage of the about motions.

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Add Account

This menu allows you to set up, manage, and synchronize accounts, including your Google and email accounts.

Adding an Account

1. From the Home screen, press ☰ and then tap **Settings** → Accounts (**Accounts** tab).
2. Navigate to the **My accounts** area and then tap **Add account** and select one of the account types.
3. Use the keyboard and follow the prompts to enter your credentials and set up the account.
4. A green circle will appear next to the account type once you have created an account. Your email account will also be displayed in the **Accounts** section of the main Settings menu.

Removing an Account

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Important! Removing an account also deletes all of its messages, contacts, and other data from the device.

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1. From the main **Settings** page, tap **Accounts** tab.
2. Navigate to the **My accounts** area and then tap the account name.
3. From the Accounts area of the screen, tap the account entry.
4. Tap **Remove account**, then tap **Remove account** at the prompt to remove the account and delete all its messages, contacts, and other data.

Synchronizing a Accounts

By default, all managed accounts are synchronized. You can also manually sync all current accounts.

1. From the main **Settings** page, tap **Accounts** tab.
2. Navigate to the **My accounts** area and then tap the account name.
3. Tap the account name entry.
4. Tap **Sync now** to synchronize your account or tap **Sync all** to synchronize all your accounts. Tap **Cancel sync** to stop the synchronization.
5. Tap **Settings** to access your account settings.

Creating a Samsung Account

Just as important as setting up and activating a Google account to help provide access to Play Store, etc.. An active Samsung account is required to begin accessing applications such as Samsung Hub.

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Note: The Samsung account application will manage your access to the previously mentioned applications, and there is no longer a need to remember different passwords for each application.

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1. From the main **Settings** page, tap **Accounts** tab.
2. Navigate to the **My accounts** area and then tap **Add account** ➔ **Samsung account**.
3. If you have previously created a Samsung account, tap **Sign in**.

   – or –

   If this is your first time, tap **Create new account**.

4. Follow the on-screen instructions.

Note: You may be prompted to confirm your credentials via email.

5. If prompted, follow the on-screen instructions to verify your account via the provided email address.

Note: Without confirming your email address and following the documented procedures, related applications will not function properly since it is Samsung account that is managing their username and password access.

Backup and Reset

Location settings, backup configurations, or reset the phone to erase all personal data.

- From the Home screen, press [≡] and then tap **Settings** ➔ [Accounts] (**Accounts** tab) ➔ **Backup and reset**.

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Mobile Backup and Restore

The device can be configured to back up your current settings, application data and settings.

1. From the main **Settings** page, tap **Accounts** tab ➔ **Backup and reset**.
2. Tap **Back up my data** to create a backup of your current phone settings and applications.
3. Tap **Backup account** to assign the account being backed up.

4. Tap **Automatic restore** to assist in the re-installation of a previously installed application (including preferences and data).
5. Tap **Factory data reset** to reset your device and sound settings to the factory default settings. For more information, refer to *"Factory Data Reset"* on page 283.

Prior to doing a Factory Reset

Before initiating a factory reset, it is recommended that you backup your personal data prior to use.

To export a Contact list to your microSD card:

1. From the Home screen, tap (**Contacts**).
2. Press and then tap **Import/Export**.
3. Tap **Export to SD card** ➔ **OK**. For more information, refer to *"Export/Import"* on page 108.

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Verify your images and videos are on your microSD card:

1. From the Home screen, tap (**Apps**) ➔ (**Gallery**).
2. Verify the Gallery contains all of your pictures and videos.
3. Remove both the back cover and remove the internal microSD card prior to initiating the process.

Factory Data Reset

From this menu you can reset your device and sound settings to the factory default settings.

1. From the Home screen, press ☰ and then tap **Settings** ➔ Accounts (**Accounts** tab) ➔ **Backup and reset** ➔ **Factory data reset**.
2. Read the on-screen reset information.
3. Tap **Reset device.**
4. If necessary, enter your password and tap **Delete all**.
   The device resets to the factory default settings automatically and when finished displays the Home screen.

Location Services

The Location services allows you to configure the device's location services.

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Important! The more location determining functions are enabled, the more accurate the determination will be of your position.

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1. From the Home screen, press ☰ and then tap **Settings** ➔ More (**More** tab) ➔ **Location services**.
2. Tap any of the following options to create a checkmark and activate the service:
   - **Access to my location**: allows apps that have asked your permission to use your location information. Tap the ON/OFF slider to turn it on.
   - **Use GPS satellites**: allows applications to use GPS to pinpoint your location.

- **Use wireless networks**: allows applications to use data from mobile networks and Wi-Fi to help determine your location.
- **My places**: allows you to add location information for your Home, Office, and Car.
- **Camera**: allows you to enable the Camera to tag your current information into new files.

Enabling the GPS Satellites

1. From the main **Settings** page, tap **More** tab ➔ **Location services**.
2. Tap **Use GPS satellites** to enable the GPS satellite.

Using Wireless Networks

Before you use applications such as Google Maps and find your location or search for places of interest, you must enable the Use wireless networks option.

1. From the main **Settings** page, tap **More** tab ➔ **Location services**.
2. Tap **Use wireless networks** to allow apps to use data from sources such as Wi-Fi and mobile networks to provide a better approximation of your current location.

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Security

The Security settings allow you to determine the security level for your device.

Encrypt Device

When enabled, this feature requires a numeric PIN or password to decrypt your device each time you power it on or encrypt the data on your SD card each time it is connected:

1. From the Home screen, press ☰ and then tap **Settings** ➔ More (**More** tab) ➔ **Security**.
2. Tap **Encrypt device**. For more information, read the displayed help screen.
3. Tap **Encrypt external SD card** to enable the encryption on SD card data that requires a password be entered each time the microSD card is connected.

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Tip: Make sure your battery is charged more than 80 percent. Encryption may take an hour or more.

Password Settings

When you create a phone password you can also configure the phone to display the password as you type it instead of using an asterisk (*).

1. From the main **Settings** page, tap **More** tab ➔ **Security**.
2. Tap **Make passwords visible** to activate this feature.

Device Administration

Activating this feature allows Google to administrate your phone in a way similar to IT security settings on a corporate PC. This would be beneficial in the case that your phone was lost or stolen. The phone could be “deactivated” or “restricted” (through administration) from a remote location.

1. From the main **Settings** page, tap **More** tab ➔ **Security**.
2. Tap **Device administrators** to begin configuring this setting.
3. Select an administrator device and follow the prompts.

Unknown Sources

Before you can download a web application you must enable the Unknown sources feature (enables downloading). Developers can use this option to install non-Play Store applications.

1. From the main **Settings** page, tap **More** tab ➔ **Security**.
2. Tap **Unknown sources** to active this feature.

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Verify Apps

Allows you to block or warn yourself before installing apps that can cause harm.

1. From the main **Settings** page, tap **More** tab ➔ **Security**.
2. Tap **Verify apps** to active this feature.

Note: Enabling this feature can prevent installation of some applications from the Play Store.

Credential Storage

This option allows certain applications to access secure certificates and other credentials. Certificates and credentials can be installed to the SD card and password protected.

1. From the main **Settings** page, tap **More** tab ➔ **Security**.
2. Tap **Storage type** to designate the backup storage location for certificates.
3. Tap **Trusted credentials** to display only trusted CA certificates. A check mark displayed next to the feature indicates secure credentials.
4. Tap **Install from device storage** to install encrypted certificates from the USB Storage location.
5. Tap **Clear credentials** to clear the device (SD card or phone memory) of all certificate contents and reset the credentials password.

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Application Manager

This device can be used for Android development. You can write applications in the SDK and install them on this device, then run the applications using the hardware, system, and network. This feature allows you to configure the device for development.

Warning! Because the device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.

This menu allows you to manage installed applications. You can view and control currently running services, or use the device for application development.

You can also view the amount of memory or resources used as well as the remaining memory and resources for each of the applications on your phone and clear the data, cache, or defaults.

- From the Home screen, press and then tap **Settings** ➔ More (**More** tab) ➔ **Application manager** ➔ **ALL**.

Clearing Application Cache and Data

Important! You must have downloaded applications installed to use this feature.

---

1. From the main **Settings** page, tap **More** tab ➔ **Application manager**.
2. Tap an application in which to clear the cache or data.
3. Tap **Force stop**, **Uninstall, Turn off, Clear data**, **Clear cache**, or **Clear defaults**.

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Uninstalling Third-party Applications

Important! You must have downloaded applications installed to use this feature.

---

1. From the main **Settings** page, tap **More** tab ➔ **Application manager**.
2. Tap the **DOWNLOADED** tab and select your desired application.
3. Tap **Uninstall** (from within the top area of the Application info page).

4. At the prompt, tap **OK** to uninstall the application.
5. Select a reason for uninstalling the application, then tap **OK**.

Memory Usage

See how memory is being used by Downloaded or Running applications.

1. From the main **Settings** page, tap **More** tab ➔ **Applications manager**.
2. Tap **DOWNLOADED**, **SD CARD**, **RUNNING**, or **ALL** to display memory usage for that category of applications.

   The graph at the bottom of the Downloaded tab shows used and free device memory. The graph at the bottom of the Running tab shows used and free RAM.

Downloaded

Displays apps you have downloaded onto your device.

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1. From the main **Settings** page, tap **More** tab ➔ **Applications manager**.
2. Tap the **DOWNLOADED** tab to view a list of all the downloaded applications on your device.
3. To switch the order of the lists displayed in the Downloaded tabs, press ☰ and select **Sort by size** or **Sort by name**.
4. Tap an application to view and update information about the application, including memory usage, default settings, and permissions.

Running Services

The Running services option allows you to view and control currently running services such as Backup, Google Talk, SNS (messaging), Swype, and more.

1. From the main **Settings** page, tap **More** tab ➔ **Application manager**.
2. Tap the **RUNNING** tab to view all currently active and running applications. This tab also shows the total RAM being used by these currently active applications.
3. Tap a process and select **Stop** to end the process and stop it from running. When you stop the process the service or application will no longer run until you start the process or application again.
4. Tap **Show cached processes** to view additional cached applications.

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Important! Stopping a process might have undesirable consequences on the application.

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Storage Used

This option allows you to view a list (on the current tab) of current applications as sorted by size.

1. From the main **Settings** page, tap **More** tab ➔ **Application manager**.
2. Tap the **ALL** tab to display all available applications.
3. Press ☰ and then tap **Sort by size** to change the current list to show items based on the amount of storage they occupy.

Reset App Preferences

This feature provides you with the ability to reset all preferences for the following features: Disabled apps, Disabled app notifications, Default applications for actions, and Background data restrictions.

1. From the main **Settings** page, tap **More** tab ➔ **Applications manager**.
2. Tap the **ALL** tab to display all available applications.
3. Press ☰ and then tap **Reset app preferences** ➔ **Reset apps**.

Important! As an example, if you assigned your browser to always launch YouTube links and want that changed, you must reset the default actions.

Battery Usage

This option allows you to view a list of those components using battery power. The amount of time the battery was used also displays. Battery usage displays in percentages per application.

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1. From the Home screen, press ☰ and then tap **Settings** ➔ More (**More** tab) ➔ **Battery**. The battery level displays in percentage.
2. From the upper-right tap (**Refresh**) to update the list.

   – or –

   Tap an entry to view more detailed information.

Note: Other applications may be running that affect battery use.

SD Card & Device Storage

From this menu you can view the memory allocation for the memory card as well as mount or unmount the SD card.

To view the memory allocation for your external SD card:

- From the Home screen, press [≡] and then tap **Settings** ➔ [More] (**More** tab) ➔ **Storage**.
  The available memory displays under the Device memory and SD card headings.

Important! DO NOT remove a microSD card while the device is accessing or transferring files. Doing so will result in loss or damage of data. Make sure your battery is fully charged before using the microSD card. Your data may become damaged or lost if the battery runs out while you are using the microSD card.

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Mounting the SD Card

To store photos, music, videos, and other applications. You must mount (install) the SD card prior to use. Mounting the SD card establishes a USB connection with your computer.

1. From the main **Settings** page, tap **More** tab ➔ **Storage**.
2. Tap **Mount SD card**.

Unmounting the SD card

Unmounting the SD card prevents corruption and damage to the SD card while removing it from the slot.

1. From the main **Settings** page, tap **More** tab ➔ **Storage**.
2. Tap **Unmount SD card** ➔ **OK**.

3. After the "**SD card will be unmounted**" message displays and the **Mount SD card** now appears in the menu list, remove the SD card.

Erasing Files from the SD card

To erase files from the SD card using the device:

1. Ensure the SD card is mounted.
2. From the main **Settings** page, tap **More** tab ➔ **Storage** ➔ **Mount SD card**.
3. Tap **Format SD card** ➔ **Format SD card** ➔ **Delete all** to format the SD card. The SD card formats and erases all the data stored on it.

Date and Time

This menu allows you to change the current time and date displayed.

1. From the Home screen, press and then tap **Settings** ➔ More (**More** tab) ➔ **Date and time**.
2. Tap **Automatic date and time** to allow the network set the date and time.

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Important! Deactivate **Automatic date and time** to manually set the rest of the options.

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3. Tap **Set date** and use the arrow icons to set the **Month**, **Day**, and **Year** then tap **Set**.
4. Tap **Set time** and use the arrow icons, set **Hour**, and **Minute**. Tap **PM** or **AM**, then tap **Set**.

5. Tap **Automatic time zone** to allow the network set the time zone information automatically.
6. Tap **Select time zone**, then tap a time zone.
7. Tap **Use 24-hour format**. If this is not selected the device automatically uses a 12-hour format.
8. Tap **Select date format** and select the date format type.

About Device

This menu contains legal information, system tutorial information, and other phone information such as the model number, firmware version, baseband version, kernel version, and software build number.

To access phone information:

- From the Home screen, press and then tap **Settings** ➔ More (**More** tab) ➔ **About device**. The following information displays:
  - **Software update**: allows you to connect to the network and upload any new phone software directly to your device. The device automatically updates with the latest available software when you access this option.
  - **Status**: displays the battery status, the level of the battery (percentage), the Network, Signal strength, Mobile network type, Service state, Roaming, Mobile network state, My phone number, MIN, PRL version, ERI version, MEID, IP address, Wi-Fi MAC address, Bluetooth address, Serial number, Up time, and Device status.

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- **Legal information**: This option displays information about Open source licenses, License settings, Samsung Legal, as well as Google legal information. This information clearly provides copyright and distribution legal information and facts as well as Google Terms of Service, Terms of Service for Android-powered Phones, and much more pertinent information as a reference.
  Read the information and terms, then press ⮌ to return to the Settings menu.

Tip: To find your device's DivX® registration code and information about registering your device to play DivX protected video, tap **License settings →DivX® VOD**.

- **Device name**: allows you to both display and edit the device's name.
- **Model number**: displays the device's model number.
- **Android version**: displays the firmware version loaded on this device.
- **Baseband version**: displays the baseband version loaded on this device.
- **Kernel version**: displays the kernel version loaded on this device.
- **Build number**: displays the software, build number.

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Note: Firmware, baseband, kernel and build numbers are usually used for updates to the handset or support. For additional information please contact your service representative.

- **Hardware version**: displays the current hardware version.

Software Update

The Software Update feature enables you to use your device to connect to the network and upload any new software directly to your device. The device automatically updates with the latest available software when you access this option.

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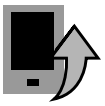
The following icons show your Bluetooth connection status at a glance:

Displays when the Software updated feature is active.



Displays when the Software update feature is in progress.

To update your device:

1. From the Home screen, press and then tap **Settings** ➔ More (**More** tab) ➔ **About device** ➔ **Software update**.
2. Read the Software update information screen.
3. Select an available option:

Note: You configure the device's software update parameters.

- **Cancel**: Tap this option to cancel the operation.
- **Wi-Fi settings**: Enable this option to only download available updates via an active Wi-Fi connection. If disabled, the device will begin available downloads via its' cellular connection.
- **OK**: Tap this option to connect to the remote server, detect if there is an available update, the begin the download over your existing data connection.

Note: Software updates can include bug fixes, enhancements to services, to the device or currently installed software.

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Section 11: Health and Safety Information

This section outlines the safety precautions associated with using your phone. The terms “mobile device” or “cell phone” are used in this section to refer to your phone. **Read this information before using your mobile device**.

Exposure to Radio Frequency (RF) Signals

The U.S. Food and Drug Administration (FDA) has published information for consumers relating to Radio Frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

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Do cell phones pose a health hazard?

Many people are concerned that cell phone radiation will cause cancer or other serious health hazards. The weight of scientific evidence has not linked cell phones with any health problems.

Cell phones emit low levels of Radio Frequency (RF) energy. Over the past 15 years, scientists have conducted hundreds of studies looking at the biological effects of the radio frequency energy emitted by cell phones. While some researchers have reported biological changes associated with RF energy, these studies have failed to be

replicated. The majority of studies published have failed to show an association between exposure to radio frequency from a cell phone and health problems.

The low levels of RF cell phones emit while in use are in the microwave frequency range. They also emit RF at substantially reduced time intervals when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects.

The biological effects of radio frequency energy should not be confused with the effects from other types of electromagnetic energy.

Very high levels of electromagnetic energy, such as is found in X-rays and gamma rays, can ionize biological tissues. Ionization is a process where electrons are stripped away from their normal locations in atoms and molecules. It can permanently damage biological tissues including DNA, the genetic material.

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The energy levels associated with radio frequency energy, including both radio waves and microwaves, are not great enough to cause ionization of atoms and molecules. Therefore, RF energy is a type of non-ionizing radiation. Other types of non-ionizing radiation include visible light, infrared radiation (heat), and other forms of electromagnetic radiation with relatively low frequencies.

While RF energy does not ionize particles, large amounts can increase body temperatures and cause tissue damage. Two areas of the body, the eyes and the testes, are particularly vulnerable to RF heating because there is relatively little blood flow in them to carry away excess heat.

Research Results to Date: Is there a connection between RF and certain health problems?

The results of most studies conducted to date say no. In addition, attempts to replicate and confirm the few studies that have shown a connection have failed.

The scientific community at large therefore believes that the weight of scientific evidence does not show an association between exposure to Radio Frequency (RF) from cell phones and adverse health outcomes. Still the scientific community has supported additional research to address gaps in knowledge. Some of these studies are described below.

Interphone Study

Interphone is a large international study designed to determine whether cell phones increase the risk of head and neck cancer. A report published in the International Journal of Epidemiology (June, 2010) compared cell phone usage for more than 5,000 people with brain tumors (glioma and meningioma) and a similar number of healthy controls.

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Results of this study did NOT show that cell phones caused brain cancer. In this study, most people had no increased risk of brain cancer from using cell phones. For people with the heaviest use of cell phones (an average of more than ½ hour per day, every day, for over 10 years) the study suggested a slight increase in brain cancer. However, the authors determined that biases and errors prevented any conclusions being drawn from this data. Additional information about Interphone can be found at http://www.iarc.fr/en/media-centre/pr/2010/pdfs/pr200_E.pdf.

Interphone is the largest cell phone study to date, but it did not answer all questions about cell phone safety. Additional research is being conducted around the world, and the FDA continues to monitor developments in this field.

International Cohort Study on Mobile Phone Users (COSMOS)

The COSMOS study aims to conduct long-term health monitoring of a large group of people to determine if there are any health issues linked to long-term exposure to radio frequency energy from cell phone use. The COSMOS study will follow approximately 300,000 adult cell phone users in Europe for 20 to 30 years. Additional information about the COSMOS study can be found at http://www.ukcosmos.org/index.html.

Risk of Brain Cancer from Exposure to Radio Frequency Fields in Childhood and Adolescence (MOBI-KIDS)

MOBI-KIDS is an international study investigating the relationship between exposure to radio frequency energy from communication technologies including cell phones and brain cancer in young people. This is an international multi-center study involving 14 European and non-European countries. Additional information about MOBI-KIDS can be found at http://www.creal.cat/programes-recerca/en_projectes-creal/view.php?ID=39.

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Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute

The National Cancer Institute (NCI) actively follows cancer statistics in the United States to detect any change in rates of new cases for brain cancer. If cell phones play a role in risk for brain cancer, rates should go up, because heavy cell phone use has been common for quite some time in the U.S. Between 1987 and 2005, the overall

age-adjusted incidence of brain cancer did not increase. Additional information about SEER can be found at http://seer.cancer.gov/.

Cell Phone Industry Actions

Although the existing scientific data do not justify FDA regulatory actions, the FDA has urged the cell phone industry to take a number of steps, including the following:

- Support-needed research on possible biological effects of RF for the type of signal emitted by cell phones;
- Design cell phones in a way that minimizes any RF exposure to the user; and
- Cooperate in providing users of cell phones with the current information on cell phone use and human health concerns.

The FDA also is working with voluntary standard-setting bodies such as the Institute of Electrical and Electronics Engineers (IEEE), the International Commission on Non-Ionizing Radiation Protection (ICNIRP), and others to assure that safety standards continue to adequately protect the public.

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Reducing Exposure: Hands-Free Kits and Other Accessories

Steps to Reduce Exposure to Radio Frequency Energy

If there is a risk from being exposed to radio frequency energy (RF) from cell phones - and at this point we do not know that there is - it is probably very small. But, if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your RF exposure.

- Reduce the amount of time spent using your cell phone;

- Use speaker mode or a headset to place more distance between your head and the cell phone.

Hands-Free Kits

Hands-free kits may include audio or Bluetooth® headsets and various types of body-worn accessories such as belt-clips and holsters. Combinations of these can be used to reduce RF energy absorption from cell phones.

Headsets can substantially reduce exposure because the phone is held away from the head in the user's hand or in approved body-worn accessories. Cell phones marketed in the U.S. are required to meet RF exposure compliance requirements when used against the head and against the body.

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used for convenience and comfort. They are also required by law in many states if you want to use your phone while driving.

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Cell Phone Accessories that Claim to Shield the Head from RF Radiation

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that accessories which claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone.

Studies have shown that these products generally do not work as advertised. Unlike “hands-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption.

Children and Cell Phones

The scientific evidence does not show a danger to any users of cell phones from RF exposure, including children and teenagers. The steps adults can take to reduce RF exposure apply to children and teenagers as well.

- Reduce the amount of time spent on the cell phone;
- Use speaker mode or a headset to place more distance between the head and the cell phone.

Some groups sponsored by other national governments have advised that children be discouraged from using cell phones at all. For example, The Stewart Report from the United Kingdom made such a recommendation in December 2000. In this report, a group of independent experts noted that no evidence exists that using a cell phone causes brain tumors or other ill effects. Their recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

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Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (updated 10/1/2010):

- FCC RF Safety Program:
  http://www.fcc.gov/oet/rfsafety/.

- Environmental Protection Agency (EPA): http://www.epa.gov/radtown/wireless-tech.html.
- Occupational Safety and Health Administration (OSHA): http://www.osha.gov/SLTC/radiofrequencyradiation/. (Note: This web address is case sensitive.)
- National Institute for Occupational Safety and Health (NIOSH): http://www.cdc.gov/niosh/.
- World Health Organization (WHO): http://www.who.int/peh-emf/en/.
- International Commission on Non-Ionizing Radiation Protection: http://www.icnirp.de.
- Health Protection Agency: http://www.hpa.org.uk/Topics/Radiation/.
- US Food and Drug Administration: http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm.

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Specific Absorption Rate (SAR) Certification Information

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for Radio Frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government.

These FCC RF exposure limits are derived from the recommendations of two expert organizations: the National Council on Radiation Protection and Measurement (NCRP) and the Institute of

Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The RF exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC SAR limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum reported value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output of the phone.

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Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the SAR limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC. For body-worn operation, this phone

has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device a minimum of 1.5cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines. The FCC has granted an Equipment Authorization for this mobile device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. This mobile phone has a FCC ID number: A3LSMS765C [Model Number: SM-S765C] and the specific SAR levels for this mobile phone can be found at the following FCC website:http://www.fcc.gov/oet/ea/.

The SAR information for this device can also be found on Samsung's website: http://www.samsung.com/sar.

SAR information on this and other model phones can be accessed online on the FCC's website through http://transition.fcc.gov/oet/rfsafety/sar.html. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone. Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional SAR information can also be obtained at http://www.fcc.gov/encyclopedia/specific-absorption-rate-sar-cellular-telephones.

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FCC Part 15 Information to User

Pursuant to part 15.21 of the FCC Rules, you are cautioned that changes or modifications not expressly approved by Samsung could void your authority to operate the device.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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Commercial Mobile Alerting System (CMAS)

This device is designed to receive wireless emergency alerts from the Commercial Mobile Alerting System ("CMAS"; which may also be known as the Personal Localized Alerting Network ("PLAN")). If your wireless provider has chosen to participate in CMAS/PLAN, alerts are available while in the provider's coverage area. If you travel outside your provider's coverage area, wireless emergency alerts may not be available. For more information, please contact your wireless provider.

Smart Practices While Driving

On the Road - Off the Phone

The primary responsibility of every driver is the safe operation of his or her vehicle.

Responsible drivers understand that no secondary task should be performed while driving whether it be eating, drinking, talking to passengers, or talking on a mobile phone - unless the driver has assessed the driving conditions and is confident that the secondary task will not interfere with their primary responsibility. **Do not engage in any activity while driving a moving vehicle which may cause you to take your eyes off the road or become so absorbed in the activity that your ability to concentrate on the act of driving becomes impaired**. Samsung is committed to promoting responsible driving and giving drivers the tools they need to understand and address distractions.

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Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas. For example, only hands-free use may be permitted in certain areas.

Before answering calls, consider your circumstances. Let the call go to voicemail when driving conditions require. Remember, driving comes first, not the call!

If you consider a call necessary and appropriate, follow these tips:

- Use a hands-free device;
- Secure your phone within easy reach;
- Place calls when you are not moving;
- Plan calls when your car will be stationary;
- Do not engage in stressful or emotional conversations;
- Let the person with whom you are speaking know that you are driving and will suspend the call if necessary;
- Do not take notes or look up phone numbers while driving;

Notice regarding legal restrictions on mounting this device in an automobile:

Laws in some states may prohibit mounting this device on or near the windshield of an automobile. In other states, the law may permit mounting this device only in specific locations in the automobile. Be sure to consult the state and local laws or ordinances where you drive before mounting this device in an automobile. Failure to comply with these restrictions could result in fines, penalties, or other damages.

Never mount this device in a manner that will obstruct the driver's clear view of the street and traffic.

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Never use wireless data services such as text messaging, Web browsing, or e-mail while operating a vehicle.

Never watch videos, such as a movie or clip, or play video games while operating a vehicle.

For more information, go to http://www.ctia.org.

Battery Use and Safety

Important! Handle and store batteries properly to avoid injury or damage. Most battery issues arise from improper handling of batteries and, particularly, from the continued use of damaged batteries.

- **Do not disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery**. Do not put a high degree of pressure on the battery. This can cause leakage or an internal short-circuit, resulting in overheating.
- **Do not let the phone or battery come in contact with liquids.** Liquids can get into the phone's circuits, leading to corrosion. Even when the phone appears to be dry and appears to operate normally, the circuitry could slowly corrode and pose a safety hazard. If the phone and/or battery get wet, have them checked by your service provider or contact Samsung, even if they appear to be working properly.
- **Do not place your battery in or near a heat source**. Excessive heating can damage the phone or the battery and could cause the phone or the battery to explode. Do not dry a wet or damp battery with an appliance or heat source such as a microwave oven, hair dryer, iron, or radiator. Avoid leaving your phone in your car in high temperatures.

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- **Caution: Some applications or prolonged usage may increase device temperature.** Prolonged skin contact with a device that is hot to the touch may produce skin discomfort or redness, or low-temperature burns. If the device feels hot to the touch, discontinue use and close all applications or turn off the device until it cools. Always ensure that the phone has adequate ventilation and air flow. Covering the device with bedding, your body, thick clothing or any other materials that significantly affect air flow may affect the performance of the phone and poses a possible risk of fire or explosion, which could lead to serious bodily injuries or damage to property.
- **Do not dispose of the phone or the battery in a fire**. The phone or the battery may explode when overheated.
- **Do not handle a damaged or leaking battery**. Do not let leaking battery fluid come in contact with your eyes, skin or clothing. For safe disposal options, contact your nearest Samsung-authorized service center.
- **Avoid dropping the cell phone**. Dropping the phone or the battery, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.
- **Never use any charger or battery that is damaged in any way**.
- **Do not allow the battery to touch metal objects**. Accidental short-circuiting can occur when a metallic object (coin, key, jewelry, clip, or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.

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Important! Use only Samsung-approved batteries, and recharge your battery only with Samsung-approved chargers which are specifically designed for your phone.

WARNING!

Use of a non-Samsung-approved battery or charger may present a risk of fire, explosion, leakage, or other hazard. Samsung's warranty does not cover damage to the phone caused by nonSamsung-approved batteries and/or chargers.

- **Do not use incompatible cell phone batteries and chargers**. Some websites and second-hand dealers not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier-recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- **Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, or leakage, leading to serious injuries, damages to your phone, or other serious hazard**.

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Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile devices and genuine Samsung accessories.

Proper disposal of your mobile device and its battery is not only important for safety, it benefits the environment. Batteries must be recycled or disposed of properly.

Recycling programs for your mobile device, batteries, and accessories may not be available in your area.

We've made it easy for you to recycle your old Samsung mobile device by working with respected take-back companies in every state in the country.

Drop It Off

You can drop off your Samsung-branded mobile device and batteries for recycling at one of our numerous Samsung Recycling Direct (SM) locations. A list of these locations may be found at: http://pages.samsung.com/us/recyclingdirect/usactivities_environment_samsungrecyclingdirect_locations.jsp.

Samsung-branded devices and batteries will be accepted at these locations for no fee.

Consumers may also recycle their used mobile device or batteries at many retail or carrier-provided locations where mobile devices and batteries are sold. Additional information regarding specific locations may be found at: http://www.epa.gov/epawaste/partnerships/plugin/cellphone/index.htm or at http://www.call2recycle.org/.

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Mail It In

The Samsung Mobile Take-Back Program will provide Samsung customers with a free recycling mailing label. Just go to http://fun.samsungmobileusa.com/recycling/index.jsp and follow the instructions to print out a free pre-paid postage label and then send your old mobile device or battery to the address listed, via U.S. Mail, for recycling.

Dispose of unwanted electronics through an approved recycler.

To find the nearest recycling location, go to our website:

www.samsung.com/recyclingdirect

Or call, (877) 278-0799.

Follow local regulations regarding disposal of mobile devices and batteries

Dispose of your mobile device and batteries in accordance with local regulations. In some areas, the disposal of these items in household or business trash may be prohibited. Help us protect the environment - recycle!

Warning! Never dispose of batteries in a fire because they may explode.

UL Certified Travel Charger

The Travel Charger for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines:

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FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET.

THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Display / Touch-Screen

Please note the following information when using your mobile device:

WARNING REGARDING DISPLAY

The display on your mobile device is made of glass or acrylic and could break if your mobile device is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

WARRANTY DISCLAIMER: PROPER USE OF A TOUCH-SCREEN MOBILE DEVICE

If your mobile device has a touch-screen display, please note that a touch-screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch-screen may damage the tempered glass surface and void the warranty. For more information, please refer to the “Standard Limited Warranty”.

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GPS & AGPS

Certain Samsung mobile devices can use a Global Positioning System (GPS) signal for location-based applications. A GPS uses satellites controlled by the U.S. Government that are subject to changes implemented in accordance with the Department of

Defense policy and the 2008 Federal Radio navigation Plan (FRP). Changes may affect the performance of location-based technology on your mobile device.

Certain Samsung mobile devices can also use an Assisted Global Positioning System (AGPS), which obtains information from the cellular network to improve GPS performance. AGPS uses your wireless service provider's network and therefore airtime, data charges, and/or additional charges may apply in accordance with your service plan. Contact your wireless service provider for details.

Your Location

Location-based information includes information that can be used to determine the approximate location of a mobile device. Mobile devices which are connected to a wireless network transmit location-based information. Additionally, if you use applications that require location-based information (e.g. driving directions), such applications transmit location-based information. The location-based information may be shared with third-parties, including your wireless service provider, applications providers, Samsung, and other third-parties providing services.

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Use of AGPS in Emergency Calls

When you make an emergency call, the cellular network may activate AGPS technology in your mobile device to tell the emergency responders your approximate location.

AGPS has limitations and **might not work in your area**. Therefore:

- Always tell the emergency responder your location to the best of your ability; and
- Remain on the mobile device for as long as the emergency responder instructs you.

Navigation

Maps, directions, and other navigation-data, including data relating to your current location, may contain inaccurate or incomplete data, and circumstances can and do change over time. In some areas, complete information may not be available. **Therefore, you should always visually confirm that the navigational instructions are consistent with what you see before following them. All users should pay attention to road conditions, closures, traffic, and all other factors that may impact safe driving or walking. Always obey posted road signs**.

Emergency Calls

This mobile device, like any wireless mobile device, operates using radio signals, wireless and landline networks, as well as user-programmed functions, which cannot guarantee connection in all conditions, areas, or circumstances.

Therefore, you should never rely solely on any wireless mobile device for essential communications (medical emergencies, for example). Before traveling in remote or underdeveloped areas, plan an alternate method of contacting emergency services personnel. Remember, to make or receive any calls, the mobile device must be switched on and in a service area with adequate signal strength.

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Emergency calls may not be possible on all wireless mobile device networks or when certain network services and/or mobile device features are in use. Check with local service providers.

To make an emergency call:

1. If the mobile device is not on, switch it on.
2. From the Home screen, tap .

3. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.
4. Tap .

If certain features are in use (call blocking, for example), you may first need to deactivate those features before you can make an emergency call. Consult your User Manual and your local cellular service provider. When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your mobile device may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Care and Maintenance

Your mobile device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years:

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Keep your Samsung Mobile Device away from:

Liquids of any kind

Keep the mobile device dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits. If the mobile device does get wet, do not accelerate drying with the use of an oven, microwave, or dryer, because this may damage the mobile device and could cause a fire or explosion.

Do not use the mobile device with a wet hand. Doing so may cause an electric shock to you or damage to the mobile device.

Extreme heat or cold

Avoid temperatures below 0°C / 32°F or above 45°C / 113°F.

Microwaves

Do not try to dry your mobile device in a microwave oven. Doing so may cause a fire or explosion.

Dust and dirt

Do not expose your mobile device to dust, dirt, or sand.

Cleaning solutions

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the mobile device. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution. If the mobile device has a retractable camera lens, do not use soap and water to clean the lens. Use a blower or brush or lens cleaning paper dampened in a lens cleaning solution.

Shock or vibration

Do not drop, knock, or shake the mobile device. Rough handling can break internal circuit boards.

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Paint

Do not paint the mobile device. Paint can clog the device's moving parts or ventilation openings and prevent proper operation.

Responsible Listening

Caution! Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds

(including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cell phones, at high volume settings for long durations may lead to permanent noise-induced hearing loss.

This includes the use of headphones (including headsets, earbuds, and Bluetooth® or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound, and distorted hearing. Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings, and equipment.

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You should follow some common sense recommendations when using any portable audio device:

- Always turn the volume down before plugging the earphones into an audio source.
- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- Be aware that you can adapt to higher volume settings over time, not realizing that the higher volume may be harmful to your hearing.
- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.

- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.
- Limit the amount of time you listen. As the volume increases, less time is required before you hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech, or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

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You can obtain additional information on this subject from the following sources:

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American Academy of Audiology

11730 Plaza American Drive, Suite 300
Reston, VA 20190

Voice: (800) 222-2336
Email: info@audiology.org

Internet:
http://www.audiology.org/Pages/default.aspx

National Institute on Deafness and Other Communication Disorders

National Institutes of Health
31 Center Drive, MSC 2320
Bethesda, MD 20892-2320

Email: nidcdinfo@nih.gov

Internet:
http://www.nidcd.nih.gov/

National Institute for Occupational Safety and Health (NIOSH)

395 E Street, S.W., Suite 9200
Patriots Plaza Building
Washington, DC 20201

Voice: 1-800-35-NIOSH
(1-800-356-4674)
1-800-CDC-INFO (1-800-232-4636)
Outside the U.S. 513-533-8328

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Email: cdcinfo@cdc.gov

Internet:
http://www.cdc.gov/niosh/topics/noise/default.html

1-888-232-6348 TTY

Operating Environment

Remember to follow any special regulations in force in any area, and always switch your mobile device off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the

mobile device or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

Using Your Mobile Device Near Other Electronic Devices

Most modern electronic equipment is shielded from Radio Frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless mobile device. Consult the manufacturer to discuss alternatives.

Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless mobile device and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

- Should ALWAYS keep the mobile device more than six (6) inches from their implantable medical device when the mobile device is turned ON;
- Should not carry the mobile device in a breast pocket;
- Should use the ear opposite the implantable medical device to minimize the potential for interference;
- Should turn the mobile device OFF immediately if there is any reason to suspect that interference is taking place;
- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless mobile device with an implantable medical device, consult your health care provider.

For more information see: http://www.fcc.gov/oet/rfsafety/rf-faqs.html#.

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Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your mobile device off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle before using your mobile device in a motor vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your mobile device off in any facility where posted notices require you to do so.

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Potentially Explosive Environments

Switch your mobile device off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Users are advised to switch the mobile device off while at a refueling point (service station).

Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer

or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine. Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association.

When your Device is Wet

Do not turn on your device if it is wet. If your device is already on, turn it off and remove the battery immediately (if the device will not turn off or you cannot remove the battery, leave it as-is). Then, dry the device with a towel and take it to a service center.

FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices

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The U.S. Federal Communications Commission (FCC) has established requirements for digital wireless mobile devices to be compatible with hearing aids and other assistive hearing devices.

When individuals employing some assistive hearing devices (hearing aids and cochlear implants) use wireless mobile devices, they may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and mobile devices also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless mobile devices to assist hearing device users find mobile devices that may be compatible with their hearing devices. Not all mobile devices have been rated. Mobile devices that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated mobile device successfully. Trying out the mobile device with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Wireless mobile devices rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. M4 is the better/higher of the two ratings. M-ratings refer to enabling acoustic coupling with hearing aids that do not operate in telecoil mode.

T-Ratings: Mobile devices rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. T4 is the better/higher of the two ratings. T-ratings refer to enabling inductive coupling with hearing aids operating in telecoil mode.

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Hearing devices may also be rated. Your hearing aid manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise.

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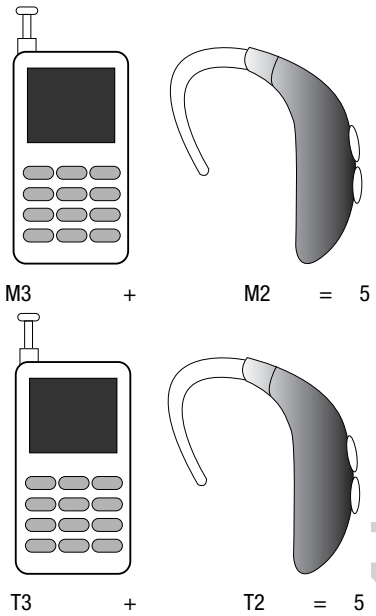
Under the current industry standard, American National Standards Institute (ANSI) C63.19, the hearing aid and wireless mobile device rating values are added together to indicate how usable they are together. For example, if a hearing aid meets the M2 level rating and the wireless mobile device meets the M3 level rating, the sum of the two values equals M5.

Under the standard, this should provide the hearing aid user with normal use while using the hearing aid with the particular wireless mobile device. A sum of 6 or more would indicate excellent performance.

However, these are not guarantees that all users will be satisfied. T ratings work similarly.



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The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

HAC for Newer Technologies

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids.

It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service

provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or phone retailer.

Restricting Children's Access to Your Mobile Device

Your mobile device is not a toy. Do not allow children to play with it because they could hurt themselves and others, damage the mobile device, or make calls that increase your mobile device bill.

Keep the mobile device and all its parts and accessories out of the reach of small children.

FCC Notice and Cautions

FCC Notice

The mobile device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the mobile device if such interference cannot be eliminated.

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Cautions

Any changes or modifications to your mobile device not expressly approved by Samsung could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the mobile device warranty if said accessories cause damage or a defect to the mobile device.

Although your mobile device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the mobile device or install the mobile device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.
- Check regularly that all wireless mobile device equipment in your vehicle is mounted and operating properly.
- When using a headset in dry environments, static electricity can build up in the headset and cause a small quick static electrical shock. To minimize the risk of electrostatic discharge from the headset avoid using the headset in extremely dry environments or touch a grounded unpainted metal object to discharge static electricity before inserting the headset.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the mobile device, its parts, or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment near or in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your mobile device off before boarding an aircraft. The use of wireless mobile devices in aircraft is illegal and may be dangerous to the aircraft's operation. Check with appropriate authorities before using any function of a mobile device while on an aircraft.
- Failure to observe these instructions may lead to the suspension or denial of cell phone services to the offender, or legal action, or both.

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- While using your device, leave some lights on in the room and do not hold the screen too close to your eyes.
- Seizures or blackouts can occur when you are exposed to flashing lights while watching videos or playing games for extended periods. If you feel any discomfort, stop using the device immediately.
- Reduce risk of repetitive motion injuries. When you repetitively perform actions, such as pressing keys, drawing characters on a touch screen with your fingers, or playing games, you may experience occasional discomfort in your hands, neck, shoulders, or other parts of your body. When using your device for extended periods, hold the device with a relaxed grip, press the keys lightly, and take frequent breaks. If you continue to have discomfort during or after such use, stop use and see a physician.
- If your device has a camera flash or light, do not use the flash or light close to the eyes of people or pets. [122011]

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Standard Limited Warranty

What is covered and for how long?

SAMSUNG TELECOMMUNICATIONS AMERICA, LLC ("SAMSUNG") warrants that SAMSUNG's handsets and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase by the first consumer purchaser and continuing for the following specified period of time after that date:

Device	1 Year
Battery(ies)*	1 Year
Case/Pouch/Holster*	90 Days
Other Device Accessories*	1 Year

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*If applicable.

What is not covered?

This Limited Warranty is conditioned upon proper use of the Product.

This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to liquid, moisture, dampness, sand or dirt, neglect, or unusual physical, electrical or electromechanical stress; (b) scratches, dents and cosmetic damage, unless caused by SAMSUNG; (c) defects or damage resulting from excessive force or use of a metallic object when pressing on a touch screen;

(d) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (e) ordinary wear and tear; (f) defects or damage resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (g) defects or damage resulting from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (h) defects or damage resulting from external causes such as collision with an object, fire, flooding, dirt, windstorm, lightning, earthquake, exposure to weather conditions, theft, blown fuse, or improper use of any electrical source; (i) defects or damage resulting from cellular signal reception or transmission, or viruses or other software problems introduced into the Product; or (j) Product used or purchased outside the United States. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery; (ii) any of the seals on the battery are broken or show evidence of tampering; or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

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What are SAMSUNG's obligations?

During the applicable warranty period, provided the Product is returned in accordance with the terms of this Limited Warranty, SAMSUNG will repair or replace the Product, at SAMSUNG's sole option, without charge. SAMSUNG may, at SAMSUNG's sole option,

use rebuilt, reconditioned, or new parts or components when repairing any Product, or may replace the Product with a rebuilt, reconditioned or new Product.

Repaired/replaced cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Products will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for ninety (90) days, whichever is longer. All replaced Products, parts, components, boards and equipment shall become the property of SAMSUNG. Except to any extent expressly allowed by applicable law, transfer or assignment of this Limited Warranty is prohibited.

What must you do to obtain warranty service?

To obtain service under this Limited Warranty, you must return the Product to an authorized phone service facility in an adequate container for shipping, accompanied by the sales receipt or comparable proof of sale showing the original date of purchase, the serial number of the Product and the seller's name and address.

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To obtain assistance on where to deliver the Product, please call SAMSUNG Customer Care at 1-888-987-4357. If SAMSUNG determines that any Product is not covered by this Limited Warranty, you must pay all parts, shipping, and labor charges for the repair or return of such Product.

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You should keep a separate backup copy of any contents of the Product before delivering the Product to SAMSUNG for warranty service, as some or all of the contents may be deleted or reformatted during the course of warranty service.

What are the limits on SAMSUNG's liability?

THIS LIMITED WARRANTY SETS OUT THE FULL EXTENT OF SAMSUNG'S RESPONSIBILITIES, AND THE EXCLUSIVE REMEDY REGARDING THE PRODUCTS.

ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL SAMSUNG BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT OR FOR, WITHOUT LIMITATION, COMMERCIAL LOSS OF ANY SORT; LOSS OF USE, TIME, DATA, REPUTATION, OPPORTUNITY, GOODWILL, PROFITS OR SAVINGS; INCONVENIENCE; INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES; OR DAMAGES ARISING FROM THE USE OR INABILITY TO USE THE PRODUCT. SOME STATES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE DISCLAIMER OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND DISCLAIMERS MAY NOT APPLY TO YOU.

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SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE OR SUITABILITY OF ANY THIRD-PARTY SOFTWARE OR EQUIPMENT USED IN CONJUNCTION WITH THE PRODUCT, OR THE ABILITY TO INTEGRATE ANY SUCH SOFTWARE OR EQUIPMENT WITH THE PRODUCT, WHETHER SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG OR OTHERWISE. RESPONSIBILITY FOR THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF

ANY SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT RESTS SOLELY WITH THE USER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT.

Nothing in the Product instructions or information shall be construed to create an express warranty of any kind with respect to the Products. No agent, employee, dealer, representative or reseller is authorized to modify or extend this Limited Warranty or to make binding representations or claims, whether in advertising, presentations or otherwise, on behalf of SAMSUNG regarding the Products or this Limited Warranty.

This Limited Warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

What is the procedure for resolving disputes?

ALL DISPUTES WITH SAMSUNG ARISING IN ANY WAY FROM THIS LIMITED WARRANTY OR THE SALE, CONDITION OR PERFORMANCE OF THE PRODUCTS SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY.

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Any such dispute shall not be combined or consolidated with a dispute involving any other person's or entity's Product or claim, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class action. The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern

the interpretation of the Limited Warranty and all disputes that are subject to this arbitration provision. The arbitrator shall decide all issues of interpretation and application of this arbitration provision and the Limited Warranty.

For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are $5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant SAMSUNG its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or $50.00 of such fees, whichever is less, and SAMSUNG shall pay the remainder of such fees. Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed $5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction.

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This arbitration provision also applies to claims against SAMSUNG's employees, representatives and affiliates if any such claim arises from the Product's sale, condition or performance.

You may opt out of this dispute resolution procedure by providing notice to SAMSUNG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt out

e-mail (a) your name and address; (b) the date on which the Product was purchased; (c) the Product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the Product box; (ii) on the Product information screen, which can be found under "Settings;" (iii) on a label on the back of the Product beneath the battery, if the battery is removable; and (iv) on the outside of the Product if the battery is not removable). Alternatively, you may opt out by calling 1-888-987-4357 no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the benefits of the Limited Warranty.

Severability

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If any portion of this Limited Warranty is held to be illegal or unenforceable, such partial illegality or unenforceability shall not affect the enforceability of the remainder of the Limited Warranty.

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Precautions for Transfer and Disposal

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's Customer Care Center for an Extended File System (EFS) Clear which

will eliminate all user memory and return all settings to default settings. Please contact the **Samsung Customer Care Center** for details.

Important! Please provide warranty information (proof of purchase) to Samsung's Customer Care Center in order to provide this service at no charge. If the warranty has expired on the device, charges may apply.

Samsung Telecommunications America, LLC
1301 E. Lookout Drive
Richardson, Texas 75082

Phone: 1-800-SAMSUNG
Phone: 1-888-987-HELP (4357)

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End User License Agreement for Software

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This device requires the use of preloaded software in its normal operation. BY USING THE DEVICE OR ITS PRELOADED SOFTWARE, YOU ACCEPT THE TERMS OF THIS EULA. IF YOU DO NOT ACCEPT THESE TERMS, **DO NOT USE** THE DEVICE OR THE SOFTWARE.

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4. **CONSENT TO USE OF DATA**. You agree that Samsung and its affiliates may collect and use technical information gathered as part of the product support services related to the Software provided to you, if any, such as IMEI(your device's unique identification number), device number, model name, customer code, access recording, your device's current SW version, MCC (Mobile Country Code), MNC (Mobile Network Code). Samsung and its affiliates may use this information solely to improve their products or to provide customized services or technologies to you and will not disclose this information in a form that personally identifies you. At all times your information will be treated in accordance with Samsung's Privacy Policy, which can be viewed at: http://account.samsung.com/membership/pp.

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5. **SOFTWARE UPDATES**. Samsung may provide to you or make available to you updates, upgrades, supplements and add-on components (if any) of the Software related to security, including bug fixes, service upgrades (parts or whole), products or devices, and updates and enhancements to any software for security previously installed (including entirely new versions), (collectively “Update”) after the date you obtain your initial copy of the Software related to security to improve such Software and ultimately enhance your user experience with your device. This EULA applies to all and any component of the Update that Samsung may provide to you or make available to you after the date you obtain your initial copy of the

Software related to security, unless we provide other terms along with such Update. To use Software related to security provided through Update, you must first be licensed for the Software identified by Samsung as eligible for the Update. After the Update, you may no longer use the Software that formed the basis for your Update eligibility. The updated Software version may add new functions and, in some limited cases, may delete existing functions.

While the Update will be generally available, in some limited circumstances, the Software updates will only be offered by your network carrier, and such Software updates will be governed by your contractual relationship with your network carrier.

With the “Automatic Update” function enabled (as in the default setting in the Security menu in the Setting), your device downloads some Updates automatically from time to time. Given the importance of receiving Updates for security software in a timely manner to defend against new threats, such Update may be automatically downloaded and installed. We recommend that you check availability of any new Updates periodically for optimal use of your device. If you want to avoid any use of network data for the Update downloads, then you should choose the “Wi-Fi Only” option in the Setting.

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6. Some features of the Software may require your device to have access to the internet and may be subject to restrictions imposed by your network or internet provider. Unless your device is connected to the internet through Wi-Fi connection, the Software will access through your mobile network, which may result in additional charges depending on your payment plan. In addition, your enjoyment of some features of the Software may be affected by the suitability and performance of your device hardware or data access.

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8. **EXPORT RESTRICTIONS**. You acknowledge that the Software is subject to export restrictions of various countries. You agree to comply with all applicable international and national laws that apply to the Software, including all the applicable export restriction laws and regulations.

9. **TERMINATION**. This EULA is effective until terminated. Your rights under this License will terminate automatically without notice from Samsung if you fail to comply with any of the terms and conditions of this EULA. Upon termination of this EULA, you must cease all use of the Software and destroy all copies, full or partial, of the Software.

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10. **DISCLAIMER OF WARRANTY**. UNLESS SEPARATELY STATED IN A WRITTEN EXPRESS LIMITED WARRANTY ACCOMPANYING YOUR DEVICE, ALL SOFTWARE PROVIDED BY SAMSUNG WITH THIS MOBILE DEVICE (WHETHER INCLUDED WITH THE DEVICE, DOWNLOADED, OR OTHERWISE OBTAINED) IS PROVIDED "AS IS" AND ON AN "AS AVAILABLE" BASIS, WITHOUT WARRANTIES OF ANY KIND FROM SAMSUNG, EITHER EXPRESS OR IMPLIED. TO THE FULLEST EXTENT POSSIBLE PURSUANT TO APPLICABLE LAW, SAMSUNG DISCLAIMS ALL WARRANTIES EXPRESS, IMPLIED, OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY,

SATISFACTORY QUALITY OR WORKMANLIKE EFFORT, FITNESS FOR A PARTICULAR PURPOSE, RELIABILITY OR AVAILABILITY, ACCURACY, LACK OF VIRUSES, QUIET ENJOYMENT, NON INFRINGEMENT OF THIRD PARTY RIGHTS OR OTHER VIOLATION OF RIGHTS. SOME JURISDICTIONS DO NOT ALLOW EXCLUSIONS OR LIMITATIONS OF IMPLIED WARRANTIES, SO THE ABOVE EXCLUSIONS OR LIMITATIONS MAY NOT APPLY TO YOU. NO ADVICE OR INFORMATION, WHETHER ORAL OR WRITTEN, OBTAINED BY YOU FROM SAMSUNG OR ITS AFFILIATES SHALL BE DEEMED TO ALTER THIS DISCLAIMER BY SAMSUNG OF WARRANTY REGARDING THE SOFTWARE, OR TO CREATE ANY WARRANTY OF ANY SORT FROM SAMSUNG.

11. **THIRD-PARTY APPLICATIONS**. Certain third party applications may be included with, or downloaded to this mobile device. Samsung makes no representations whatsoever about any of these applications. Since Samsung has no control over such applications, you acknowledge and agree that Samsung is not responsible for the availability of such applications and is not responsible or liable for any content, advertising, products, services, or other materials on or available from such applications. You expressly acknowledge and agree that use of third party applications is at your sole risk and that the entire risk of unsatisfactory quality, performance, accuracy and effort is with you. It is up to you to take precautions to ensure that whatever you select to use is free of such items as viruses, worms, Trojan horses, and other items of a destructive nature. References on this mobile device to any names, marks, products, or services of any third-parties are provided solely as a convenience to you, and do not constitute or imply an endorsement, sponsorship, or recommendation of, or affiliation with the third party or its products and services. You agree that Samsung shall not be responsible or

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liable, directly or indirectly, for any damage or loss, including but not limited to any damage to the mobile device or loss of data, caused or alleged to be caused by, or in connection with, use of or reliance on any such third party content, products, or services available on or through any such application. You acknowledge and agree that the use of any third-party application is governed by such third party application provider's Terms of Use, License Agreement, Privacy Policy, or other such agreement and that any information or personal data you provide, whether knowingly or unknowingly, to such third-party application provider, will be subject to such third party application provider's privacy policy, if such a policy exists. SAMSUNG DISCLAIMS ANY RESPONSIBILITY FOR ANY DISCLOSURE OF INFORMATION OR ANY OTHER PRACTICES OF ANY THIRD PARTY APPLICATION PROVIDER. SAMSUNG EXPRESSLY DISCLAIMS ANY WARRANTY REGARDING WHETHER YOUR PERSONAL INFORMATION IS CAPTURED BY ANY THIRD PARTY APPLICATION PROVIDER OR THE USE TO WHICH SUCH PERSONAL INFORMATION MAY BE PUT BY SUCH THIRD PARTY APPLICATION PROVIDER.

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