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4 G L T E S M A R T 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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Dynamic Noise Suppression from Audience

Your phone is equipped with an advanced voice processing chip that delivers clear mobile calls by suppressing background noise, intermittent sounds (like a siren or nearby conversation), and echoes, allowing you to hear and be heard nearly anywhere.

How Does It Work?

Based on the intelligence of the human hearing system, the technology:

- Captures, evaluates and distinguishes all the sound signals surrounding your phone, and the person you're speaking with.
- Then isolates the primary voice in conversation and filters out the background noise - so the person you're calling hears only your voice, without disturbing background noise.
- Dynamically equalizes and adjusts voice volume to optimize your calling experience, so you can hear clearly and don't need to speak louder to overcome surrounding noise.

The noise suppression technology is built-in and already enabled in your new mobile phone. So it's ready to provide unsurpassed voice clarity with every call.

Table of Contents

Section 1: Getting Started 7

Understanding this User Manual	7
Removing the Battery Cover	9
Installing and Removing the SIM card	10
Installing the microSD Memory Card	11
Installing the Battery	12
Replacing the Battery Cover	12
Charging the Battery	13
Extending Your Battery Life	15
Switching the Device On or Off	16
Initial Device Configuration	16
Restarting the Device	17
Locking and Unlocking the Device	17
Voicemail	18

Section 2: Understanding Your Device 19

Features of Your Device	19
Front View	20
Back View	22
Side Views	23

Device Display	24
Status Bar	24
Home Screen	30
Customizing the Screens	35
Screen Navigation	41
Using Motions and Gestures	42
Using the Multi Window	44
Menu Navigation	50

Section 3: Call Functions and Contacts List 51

Displaying Your Phone Number	51
Making a Call	51
Ending a Call	52
Making Emergency Calls	53
Dialing Options	54
Answering a Call	54
Managing Reject Calls	55
International Calls	56
Pause Dialing	57

Wait Dialing	57	Synchronizing Contacts	97
Redialing the Last Number	58	Display Options	97
Speed Dialing	58	Adding more Contacts via Accounts and Sync	98
Wi-Fi Calling	60	Additional Contact Options	100
In Call Options	63	Groups	101
Logs Tab	69	The Favorites Tab	103
Section 4: Entering Text	73	Section 6: Messages	104
Text Input Methods	73	Types of Messages	104
Selecting the Text Input Method	73	Creating and Sending Messages	105
Entering Text Using Swype	74	Message Options	106
Using the Samsung Keyboard	78	Viewing Newly Received Messages	110
Using the Google Voice Typing	81	Deleting Messages	112
Section 5: Contacts	83	Message Search	113
Accounts	83	Messaging Settings	113
Contacts List	83	Assigning Messages as Spam	116
Finding a Contact	87	Accessing Your Spam Folder	118
Contact List Options	90	Text Templates	118
Contact Menu Options	91	Using Email	118
Contact Entry Options	91	Microsoft Exchange Email (Outlook)	124
Linking Contact Information	92	Using Google Mail	130
Sending a Namecard	94		
Copying Contact Information	96		

Section 7: Multimedia 132

Assigning the Default Storage Location	132
Using the Camera	133
Camera Options	134
Quick Settings	136
Camera and Camcorder Settings	137
Using the Camcorder	141
Sharing Pictures	144
Editing a Photo	150
The Gallery	152
AllShare Cast Hub	153

Section 8: Applications and Development 155

Applications	155
Calculator	158
Calendar	158
Camera	160
ChatON	161
Chrome	163
Clock	163
Contacts	167
Downloads	167

Dropbox	167
Email	169
Flipboard	169
G+ Photos	169
Gallery	169
Gmail	169
Google	170
Google Settings	171
Google + ...	172
Group Play	172
Hangouts	174
Help	174
Internet	175
KNOX	182
Lookout Security	182
Maps	183
Messaging	184
Mobile HotSpot	184
Music	185
Using Playlists	188
Transferring Music Files	189
Removing Music Files	189

My Files	190
Optical Reader	191
Phone	192
Play Books	192
Play Games	193
Play Magazines	193
Play Movies & TV	193
Play Music	194
Play Store	197
Downloading a New Google Application	197
Launching an Installed Google Application	199
POLARIS Office 5	200
S Health	201
S Memo	202
S Translator	204
S Voice	205
Samsung Apps	206
Samsung Hub	207
Samsung Link	210
Settings	214
Story Album	214
T-Mobile My Account	215

T-Mobile Name ID	215
T-Mobile TV	216
TripAdvisor	216
Video	217
Visual Voicemail	219
Voice Recorder	220
Voice Search	221
VPN Client	221
WatchON	221
YouTube	226

Section 9: Connections 228

Bluetooth	228
Enable Downloading for Web Applications	233
PC Connections	233
Wi-Fi	234
USB Tethering	237
Mobile HotSpot	238

Section 10: Changing Your Settings 241

Accessing the Settings Tabs	241
Settings Tabs - Overview	241
Wi-Fi Settings	242
Bluetooth settings	248

Data Usage	249
More Networks	250
Lock Screen	259
Display Settings	265
LED Indicator	267
Sound Settings	267
Home Screen Mode	270
Call Settings	271
Blocking Mode	279
Hands-free Mode	280
Power Saving Mode	280
Accessory	281
Accessibility Settings	281
Language and Input Settings	284
Motions and Gestures Settings	290
Smart screen	293
Air view	293
Voice control	294
Add Account	295
Cloud	297
Backup and Reset	298
Backing up Your Data Before Factory Reset ..	298

Location Services	303
Security	304
Application Manager	307
Battery Usage	309
SD Card & Device Storage	310
Date and Time	311
About Device	312
Software Update	313

Section 11: Health and Safety

Information 314

Exposure to Radio Frequency (RF) Signals ..	314
Specific Absorption Rate (SAR) Certification Information	319
FCC Part 15 Information to User	321
Commercial Mobile Alerting System (CMAS) .	321
Smart Practices While Driving	321
Battery Use and Safety	323
Samsung Mobile Products and Recycling ...	324
UL Certified Travel Charger	326
Display / Touch-Screen	326
GPS & AGPS	327
Emergency Calls	328

Care and Maintenance	328
Responsible Listening	329
Operating Environment	332
FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices	334
Restricting Children's Access to Your Mobile Device	335
FCC Notice and Cautions	336
Other Important Safety Information	336
Section 12: Warranty Information	338
Standard Limited Warranty	338
End User License Agreement for Software ...	343
Index	351

DRAFT
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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 the micro SIM card and 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 and install the micro SIM card.

The micro SIM card is loaded with your subscription details, such as your PIN, available optional services, and many other features. If desired, you can also install an SD card to store media for use with your device.

Understanding this User Manual

The sections of this manual generally follow the features of your phone. A robust index for features begins on page 351.

Also included is important safety information that you should know before using your phone. This information is available near the back of the guide, beginning on page 314.

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.

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:

- **Notes:** 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, micro SIM card and SD card are installed under the battery cover.

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 power-off image 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 and Removing the SIM card

This device uses a different type of SIM card called a “micro SIM”. Other larger SIM cards will not function or fit within this slot.

SIM Card Overview

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

The micro SIM card is loaded with your subscription details such as your telephone number, PIN, available optional services, and many other features.

Important! The micro SIM card and its information can be easily damaged by scratching or bending, so be careful when handling, inserting, or removing the card. Keep all SIM cards out of reach of small children.

Some features on your device (such as Wi-Fi Calling) can be unlocked by using the new micro SIM card.

To use this new micro SIM card, call or contact T-Mobile customer service for more information.

This card contains the necessary information for identifying and authenticating the user to the IMS (IP Multimedia Subsystem).

To install the SIM card:

1. Carefully slide the micro SIM card into the SIM card socket until it clicks into place.

Micro SIM card

2. Make sure that the card's gold contacts face into the device and that the upper-left angled corner of the card is positioned as shown.

To remove the micro SIM card:

1. Remove the battery cover.
2. Carefully place your fingernail into the end of the micro SIM slot and push the card slightly out.
3. Carefully slide the card out of the micro SIM card socket.

Note: If the card is not inserted correctly, the device will not detect it and no service will be available. If this happens, turn off the device, remove the card, and reinstall the card in the correct orientation.

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.

1. Remove the battery cover.
2. Locate the microSD card slot on the inside 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.

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

Note: 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 **Power** key 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.

Replacing the Battery Cover

- Position the battery cover over the battery compartment and press down 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.

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.

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 338.

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.

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 265.

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

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 284.

To turn the device off:

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

Initial Device Configuration

1. Select a language from the associated field.
English is the default language.

Note: If you are visually impaired or have difficulty hearing, tap **Accessibility** to configure the accessibility settings.

2. Tap **Next** and follow the on-screen setup instructions.

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

Note: Enabling Google location services can drain battery power.

For more information, refer to “*Creating a Samsung Account*” on page 296.

Important! The device name is also used to provide an identification for your device's Bluetooth and Wi-Fi Direct names.

3. Tap **Finish** to complete the setup process.
4. Read the on-screen Collect diagnostics information.

Note: This software collects only diagnostic data from your device so that T-Mobile technicians can better troubleshoot issues with your device.

5. Select either **More info** (to read additional information) or **Close** to close the message screen.

Important! Selecting **Close** only closes the current description screen and does not disable data collection. To disable data collection, go to **Settings** → **Accounts** tab → **Backup and reset** → **Collect diagnostics** and turn off the **Allow diagnostics to be collected** feature. For more information, refer to “*Collect Diagnostics*” on page 302.

Restarting the Device

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

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 304.

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 and the micro SIM card inserted, activate your voicemail account.

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

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 [App Store icon] and then touch and hold the [Touch ID sensor] 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 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 [App Store icon] and then touch and hold [Touch ID sensor] until the device dials voicemail.

Note: Touching and holding [App Store icon] 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.

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.

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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 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

You can store phone numbers that are regularly used to the SIM card or 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: When you activate the **Auto redial** option in the **Call settings** → **Additional settings** menu, the device automatically redials up to 10 times when the person does not answer the call or is already on the phone, provided your call is not sent to voicemail.

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...

Ending a Call

- Briefly tap **End** key to end the call.

Note: To redial a recent number, tap **Recent** 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** to end the currently active call.

Making Emergency Calls

If you do not have a SIM card installed the first time you turn on the phone, the **Insert SIM card to make calls** message displays and an animated tutorial shows you how to install the SIM card.

Without a SIM card, you can only make an emergency call with the phone; normal cell phone service is not available.

Making an Emergency Call Without a SIM card installed

1. Tap **Emergency call** from the on-screen display to make an emergency call.
2. Enter 9-1-1 and tap . Complete your call.
During this type of call, you will have access to the Speaker mode, Keypad, and End Call features.

Note: Selecting Location consent may drain battery power. For more information, refer to “*Power Saving Mode*” on page 280.

3. Tap to exit this calling mode.

Making an Emergency Call With a SIM card installed

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.

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.

5. At the Emergency Callback 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:

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

To view additional dialing options:

- After entering a number, 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).

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.

Answering a call with Air Gesture

1. Verify the Air Gestures feature is on and Air call-accept is active. For more information, refer to *"Using Motions and Gestures"* on page 42.
2. At the incoming call screen, wave your hand over the screen to accept the incoming call.
 - If active, the Air call-accept icon appears at the top of the incoming call screen.

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 Home screen, tap .
2. Press and then tap **Call settings → Call rejection**.

3. Tap the **Auto reject mode** 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.
 - **Auto reject numbers**: automatically rejects all entries assigned to the Reject list/Blacklist.

Adding numbers to the rejection list

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 91).
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 rejection → Auto reject 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** 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 **.**

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 [Phone] and use the on-screen keypad to enter the phone number.
 2. Press [2] 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 three seconds by entering multiple 2 second pauses.

4. Tap [OK] .

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.

1. From the Home screen, tap [Phone] and use the on-screen keypad to enter the phone number.
2. Press [3] and then tap **Add wait**. This feature causes the phone to require your acceptance before sending the next set of entered digits.
3. Tap [OK] .
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 (Logs 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

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

1. From the Home screen, tap → (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.

Removing a Speed Dial Entry

1. From the Home screen, tap → **Keypad** tab.
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.

Wi-Fi Calling

Wi-Fi Calling is a free feature for T-Mobile customers using this device with the new SIM card. Wi-Fi Calling is an excellent solution for coverage issues in and around the home or wherever cellular coverage is limited. Minutes used while connected to the Wi-Fi network count against available rate plan minutes.

The benefits of Wi-Fi Calling include the following:

- Wi-Fi Calling provides a coverage option to improve upon your current in-home coverage experience
- Wi-Fi Calling works anywhere there is a Wi-Fi signal available

Important! A new micro SIM card must be installed within the device prior to using this feature. Wi-Fi must first be active and communicating prior to launching Wi-Fi Calling.

Note: This feature is active by default. If you are in an active Wi-Fi call and go out of range of your Wi-Fi, the call will be dropped.

Activating Wi-Fi

1. From the Home screen, press  and then tap **Settings** →  (**Connections** tab).
2. Locate the **Wi-Fi** field (and in a single motion touch and slide  to the right to turn it on. The slider color indicates the activation status.
3. Select a Wi-Fi network from the list of available networks. Follow the on-screen instructions to complete connection.

Wi-Fi Connected

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

Wi-Fi Available

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

Note: To avoid international data roaming fees when using Wi-Fi calling when outside the United States, the Data Roaming feature on your device must be turned off.

Note: With certain rate plans, minutes used while connected to the Wi-Fi network count against available rate plan

Important! If you are not using a new ISIM card, you will receive an **Error: ERxx Invalid SIM** message. You must be using a new ISIM card to use this feature.

Activating Wi-Fi Calling

1. Ensure that the **Wi-Fi connected** icon displays on the Status Bar.
 - If prompted with an on-screen “Did you know your phone can make calls over Wi-Fi” popup, tap **Learn** and follow the remaining on-screen instructions. Tap **Next** → **Done**.
2. From the main **Settings** page, tap **Connections** tab → **More networks**.
3. Locate the **Wi-Fi Calling** field and in a single motion touch and slide to the right to turn it on.
4. If **(Missing 911 Address)** displays in the Status Bar, follow these steps to provide 911 an address for emergency situations:
 - Log into my.t-mobile.com.
 - Click on **Profile** and edit the **Edit customer information**.
 - Enter your emergency location information and complete the online registration.
5. From the main **Settings** page, tap **Connections** tab → **More networks** → **Wi-Fi Calling**.
6. Tap **Connection Preferences** and select a preference for use by the Wi-Fi Calling feature:
 - **Wi-Fi Preferred:** Wi-Fi network is preferred over cellular network when making calls. Calling requires you to stay in the Wi-Fi range.
 - **Cellular Network Preferred:** The cellular network is preferred over a Wi-Fi network when making calls.
 - **Never use Cellular Network:** Use only Wi-Fi for calls. Do not use Cellular Network, even if available.

7. Tap **OK** to save the setting.
8. From the main **Settings** page, tap **Connections** tab → **More networks**.
9. Tap **Wi-Fi Calling** slider to toggle off the feature, then tap it again to reactivate the feature and re-register your device with the T-Mobile Network.
10. Confirm **(Wi-Fi Calling Ready)** displays in the Status Bar.

Launching Wi-Fi Calling

Point.

1. Ensure that the **Wi-Fi connected** icon displays on the status bar.
2. Confirm **(Wi-Fi Calling Ready)** displays in the Status Bar.
3. Use the phone Dialer, Logs, or Contacts list to make a call.
4. Go to the dialer and make a call. Make sure **(Wi-Fi Calling in use)** appears during the call.

When	Action	Then
	Displays on the screen status bar.	You are connected to the T-Mobile network and can make Wi-Fi calls.
	Displays on the screen status bar.	The Wi-Fi calling feature is active and in use within an active call.
	Does not display on the screen status bar.	You are charged normal calling rate minutes. For more information, refer to “ <i>Activating Wi-Fi Calling</i> ” on page 61.
	Displays on the screen status bar.	There is an error in the use or 911 registration of the Wi-Fi Calling feature.
	While Wi-Fi Calling mode is active, the call button shows a Wi-Fi indicator	.
	When Wi-Fi Calling is disabled, the call button goes back to show normal operation	.

In Call Options

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

Note: Noise reduction and Extra volume features are disabled while using Wi-Fi Calling.

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 271.

– 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.

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**.

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

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 place a call on hold:

1. Tap **Hold** to place the current call on hold.
2. Tap **Unhold** to activate the call that is on hold.

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 .

To switch between the two calls:

- Tap **Swap**.

The previous In call number turns gray and displays On hold. The new active call displays a green background behind the number.

Turning the Speakerphone on and off

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

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

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 off)** to turn mute on so the other caller cannot hear you speaking.
2. Tap **(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 off)**.
3. At the prompt, tap **OK** to enable Bluetooth if it is not already activated.
4. While on a call, switch back to the device speaker by tapping **(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 **[Home]** and then tap **Contacts**.
2. Browse the Contacts list for the information you need.
3. Press **[Back]** to return to the active call.

Creating a Message During a Call

During a call you can create a message.

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

Creating a Memo During a Call

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

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

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 T-Mobile customer service.

Setting up a Multi-Party Call

1. From the Home screen, tap **Multi-Party**.
2. Dial the number for the first participant and tap **Call**.
3. Once connected, tap **Add call**, enter the second phone number and tap **Call**. 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. You can swap or place each multi-party call on hold.

Having a Private Conversation With One Participant

Note: The Manage conference call option is not available for multi-party calls created while using the Wi-Fi Calling feature. You must be on the cellular network to use the manage feature.

When you have two participants in a multi-party session, it might be necessary to place one of those participants on hold so that a private conversation can be held with a single caller. While you are in a multi-party call:

1. Press  and then tap **Manage conference call**.
2. Tap  (**Split Caller**) adjacent to the participants you would like to split from the current multi-line call. The list displays the callers in the order they were dialed.

Note: The Manage conference call option is not available for multi-party calls created while using the Wi-Fi Calling feature. You must be on the cellular network to use the manage feature.

3. Tap the participant to which you want to speak privately.
You can now talk privately to that person while the other participants can continue to converse with each other. If there is only one other participant, that person is placed on hold.
4. To return to the multi-party call, tap the **Merge** icon. All of the multi-party call participants can now hear each other.

Dropping One Participant

1. Press and then tap **Manage conference call** →
to the right of the number to drop.
The participant is disconnected and you can continue
the call with the other participant.
2. Tap to end your conversation with the remaining
caller.

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. For more information, refer to “*Configuring Additional Voice Call Settings*” on page 275.

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.

2. Tap an option from the Accept call after menu:
 - **Putting xxx on hold** to place the previous caller on hold while you answer the new incoming call.
 - **Ending call with xxx** to end the previous call and answer the new 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.

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

Important! The currently active call is displayed with a green background.

4. Tap **Swap** again to switch back.

Logs Tab

The Logs tab is a list of the phone numbers (or Contacts entries) for calls you placed, accepted, or missed. The Logs 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 Logs Tab

1. From the Home screen, tap → (Logs tab).
2. Tap an entry to view available options.

Note: The Logs 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

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

- 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 context 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.
 - **View contact** to view the information for the currently stored 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.
- **Delete** to delete the entry from the Logs list.

Altering Numbers from the Logs List

If you need to make a call from the Logs 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 → **Logs** 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.

Erasing the Call logs List

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

To clear a single entry from the list:

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

To clear all entries from the list:

1. From the Home screen, tap → **Logs** 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  → **Logs** 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**.

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 Logs 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 three 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 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.

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 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.

Entering Text Using Swype

Swype™ is the default text input method that allows you to enter a word by sliding your finger or stylus from letter to letter, lifting your finger between words. Swype uses error correcting algorithms and a language model to predict the next word. Swype also includes a touch predictive text system.

The on-screen keyboard options are different between the Android keyboard and Swype on-screen input methods.

Note: During its initial use, you may be prompted by a series of Swype Connect set up screens. Follow the initial on-screen set up instructions.

Enabling and Configuring Swype

If you configure another text input method (Samsung keyboard) you must re-enable Swype before using the Swype keyboard.

For more detailed information on configuring Swype settings, see “*Swype Settings*” on page 287.

When Swype is enabled there can also be normal keyboard functionality.

1. From the main **Settings** page, tap **My device** tab → **Language and input**.
2. Tap **Default** → **Swype**.

Swype Text Entry Tips

You can access the SwypeTips application and watch a video or tutorial on using Swype. You can also use the following Swype text entry tips.

- 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.

Selecting a Text Input Mode in Swype

1. From a screen where you can enter text, tap the text input field to reveal the on-screen keyboard.
2. With Swype as your text entry method, select one of the following text mode options:
 - **ABC** to use Swype with alphanumeric characters from the on-screen keyboard.
 - **SYM** (Symbol) to enter numbers and symbols from the on-screen keyboard.

case.

Swype Keyboard Overview

- **Recipients:** a field where you can enter the recipients of the current message. You can choose from **Groups**, **Favorites**, **Contacts**, or **Logs**.
- **Text Input field:** a field where text, number, or other characters can be entered.
- **CAPS/ALT key:** When in 123ABC mode, this key changes the capitalization of the subsequent entered characters. When in SYM mode, this key can show additional symbol characters.
- **SWYPE settings:** Touch and hold this button to access the Swype settings screen.
- **Text Input mode:** There are two available modes: **123ABC** and **SYM**.
 - 123ABC mode contains alphanumeric characters and a few common punctuation marks. Text mode button indicates **SYM**.
 - SYM mode contains only symbols and numbers. Text mode button indicates **123ABC**.

Using 123ABC Mode in SWYPE

In **123ABC** mode, you can enter only letters and a few common punctuation marks from the on-screen keyboard. The text mode key shows .

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

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

3. Swipe your finger continuously over the letters to form a word.
 - 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.

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By default, the first letter of an entry is capitalized and the following letters are lower case. After a word is entered and you lift your finger, the cursor automatically adds a space after the word.

Note: If multiple word choices exist for your Swype entry, an on-screen popup appears to provide additional word

Using the Samsung Keyboard

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 counterclockwise 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 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.

For more detailed information on configuring Samsung Keyboard settings, see “*Samsung Keyboard Settings*” on page 284.

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

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Note: After typing an initial uppercase character, tap to

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.

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 .

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

To enter symbols:

1. Tap  to configure the keyboard for Symbol mode.
2. Tap the appropriate symbol key.
– or –
 Tap  button to cycle through additional pages.
 - The first number on this key indicates which page (1 or 2) of additional characters is active.

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.

For more detailed information on configuring Google Voice Typing settings, see “Configure Google Voice Typing” on page 288.

4. Tap  (Done) when you are finished.
– or –
Tap  (Resume) to resume recognition.

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

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 is 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 phone'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.

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 Phone, SIM, Google, or Corporate.

Your device automatically sorts the Contacts entries alphabetically. You can create either a **Device**, **SIM**, **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.

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

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

- **SIM** contacts are stored within the micro SIM Card.

Note: SIM contacts only store the Name and Phone number for an entry.

- **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. Choose from Samsung account, Google, or Microsoft Exchange ActiveSync.

Note: When storing an entry into your micro SIM card, note that only the Name, and Number are saved. To save additional information for a particular contact, such as notes, email, dates, etc., it is important to save that Contact into your phone's onboard memory.

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, SIM, Samsung account, Google, or Microsoft Exchange ActiveSync**) (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**, **Take picture**, or **S Memo**.

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**, **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: **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, Internet call, 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.

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**, **SIM**, **Samsung account**, **Google**, or **Microsoft Exchange ActiveSync**) (depending on where you want to save the new contact information).
- 5. Tap the **Name** 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.
- 6. Tap the image icon and select a photo for this contact. Selections are: **Image**, **Pictures by people**, **Take picture**, or **S Memo**.

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).

7. Tap the label button (to the left of the **Phone** field) and scroll through the list to select a category such as **Mobile**, **Home**, **Work**, **Work Fax**, **Home Fax**, **Pager**, **Other**, **Callback**, or **Custom**.
8. Enter additional fields as desired.
9. Tap **Save** to complete and store the new entry.
– or –
Tap **Cancel** to delete the current entry.

Note: For further details about how to enter characters, see “*Text Input Methods*” on page 73.

Finding a Contact

You can store phone numbers and their corresponding names onto either your SIM card, your phone's built-in memory, or an external location (such as Google, Exchange, or T-Mobile Backup). They are all physically separate but are used as a single entity, called Contacts.

Depending on the storage size of the particular SIM card, the maximum number of phone numbers the card can store may differ.

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. Touch the contact entry.

Editing Contact Information

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.

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4. Enter additional information such as: **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, Internet call, 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.

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.

to the selected entry.

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.

Deleting Contacts

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 SIM card or SD card.
 - **Send namecard via:** allows you to send namecards via methods such as Bluetooth, ChatON, Email, Gmail, Messaging, 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, ChatON, Google, LDAP, or Microsoft Exchange ActiveSync. This option also allows you to manually synchronize all of your current contacts with their respective accounts. For more information, refer to “*Synchronizing Contacts*” on page 97.
 - **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, SIM card, Samsung account, Gmail, or only display contacts that are part of a Customized list.
 - **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, Service numbers, and Contact sharing settings.
 - **Help:** provides an on-screen Help file that covers most high level topics 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**, **ChatON**, **Dropbox**, **Email** (Exchange or Internet), **Gmail**, **Messaging**, 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.

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.

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.

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**.

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.

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 unjoin an entry). This reveals the details for entry.

or account information.

3. Tap the **Connection** area.
– or –
Press and then tap **Separate contact**.
4. Tap next to the entry you want to unjoin and select **OK**. The contacts are “unjoined” 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**.

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**, **ChatON**, **Email** (Exchange or Internet), **Gmail**, **Messaging**, 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.

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.
 - **ChatON** to send the contacts to selected buddies.
 - **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.
 - **Messaging** 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 83.

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

Important! You must activate Bluetooth to use this feature.

4. Tap the Bluetooth device in which to send this name card. Bluetooth forwards the namecard to the recipient.

Copying Contact Information

Copying Contact Information to the SIM Card

The default storage location for saving phone numbers to your Contacts list is your phone's built-in memory. This procedure allows you to copy numbers saved to the phone's memory, onto the SIM card.

1. From the Home screen, tap **Contacts**.
2. From the Contacts List, press **≡** and then tap **Import/Export → Export to SIM card**.
3. Tap **Select all** to choose all current phone contact entries.

– or –

Select a specific entry by touching an entry. A check mark indicates a selection.

4. Tap **Done**. The name and phone number for the selected contact is then copied to the SIM.

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 **Contacts**.
2. From the Contacts List, press **≡** and then tap **Import/Export → Export to SD card**.
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.

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.
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.

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 Phone.
 - **SIM** lists those Contacts currently found only on your SIM card.
 - **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 tab) and 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, ChatON, Dropbox, Email, Google, LDAP, Microsoft Exchange ActiveSync, 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.
6. After synchronizing accounts you may want to link contact information. For more information, refer to “*Linking Contact Information*” on page 92.

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 **Google** (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. Choose from: Sync all, Sync with existing contacts, or Don't sync.
7. Tap **Done** to complete the login and sync process.

To resync Social Network Contacts:

1. From the Home screen, press **Home** and then tap **Settings → Accounts** tab and then navigate to the **Accounts** area.
2. Tap **Facebook** and toggle the checkmark 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 an email account and address before you can use the Send email feature.

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 selected 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 96.

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).
 - **Service numbers** lists the currently available service numbers.

- **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.

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** 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 73.
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.

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 → .
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.

Removing an Entry From a Caller Group

1. From the Home screen, tap → .
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 → .
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**.

Deleting a Caller Group

1. From the Home screen, tap  .
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  .
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. For more information, refer to “*Logs Tab*” on page 69.

1. From the Home screen, tap  .
2. Tap  (**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 phone provides the following message types:

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

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.

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

Messaging 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 24.

Note: The Messaging application can also be accessed by pressing  and then tapping **(Apps) →**

Creating and Sending Messages

1. From the Home screen, tap **(Messaging)** → **(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).
- **Logs:** to select a recipient from a list of recently sent messages.

3. If adding a recipient from either Logs, 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**.

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 73.

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.

Message Options

Options before composing a message

1. From the Home screen, tap **(Messaging)**.
2. Before composing a message, from the main Message screen press from the main Messaging 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 113.

- **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 112.
- **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.
- **Text templates:** displays your available text message reply templates. For more information, refer to *“Text Templates”* on page 118.
- **Settings:** allows you to access Messaging settings. For more information, refer to *“Messaging Settings”* on page 113.

3. From the Messaging screen list, touch and hold an on-screen message and select an option:
- **Delete:** deletes the entire message and its bubbles.
For more information, refer to “*Deleting a single message bubble*” on page 112.
 - **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 in a current message

1. From the Home screen, tap **(Messaging)**.
2. From within an open message, press to display additional messaging options:
 - **Insert smiley:** allows you to add insert smiley icons images (emoticons).
 - **Add text:** allows you to add text items from sources such as: S 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.
 - **Add subject:** allows you to enter a subject.

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- **Duration (5 sec)** (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.
- **Delete message:** allows you to erase either select specific message bubbles or all current messages bubbles.
- **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.
- **Discard:** closes the current open message.

Note: You must be logged into your Samsung account prior to using the S Translator feature.

- **Translate:** launches a Translate popup menu. Here you can both assign the sender's original language and assign a target language for the recipient (they will receive your message in the designated language).
 - Enable the translate feature then configure the available options as desired. Tap **OK** to store the new settings.

Adding attachments to a message

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.
- **S Memo:** allows you to add an S 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**.

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:
 - **S Memo:** allows you to insert text from an existing S 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 118.

The information is added to your message.

Viewing Newly Received Messages

When you receive a message, your phone notifies you by displaying [redacted] 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 33.

– or –

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

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

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 [redacted].
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 106).

To access message thread options:

- From the main Messaging screen, touch and hold the message to display the following options:
 - **Delete**: deletes the currently selected message thread.
 - **View contact**: displays the Contact's Overview page.
 - **Add to contact**: begins the process of adding the new number to your Contacts list.
 - **Add to spam numbers**: adds the current sender to a spam list. Any 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**: copies the currently selected message bubble from the thread.
 - **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.
 - **Copy to SIM**: copies the currently selected message bubble as a single text message within the SIM card.
 - **View message details**: displays details for the currently selected message bubble.
 - **Translate**: translates the text from the currently selected bubble into a desired language.

Deleting Messages

Deleting a single message thread

1. From the Messaging 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 Messaging screen, press **⌘** and then tap **Delete threads**.
2. Tap **(Delete)** 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.

Deleting a single message bubble

1. From the Messaging 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 Messaging screen, open a message to reveal the message string.
2. Press **⌘** and then tap **Delete messages**.
3. Place a check mark on the individual bubbles targeted for deletion or choose **Select all**.
4. Tap **Delete** to erase or **Cancel** to exit.

Message Search

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

1. From the Messaging 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.

Messaging Settings

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

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

The following Messaging settings are available:

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 message (SMS) settings

- **Delivery reports:** when this option is activated, the network informs you whether or not your message was delivered.
- **Manage SIM card messages:** allows you to manage the messages stored on the SIM card.
- **Message center:** allows you to enter the number of your message center where your messages reside while the system is attempting to deliver them.
- **Input mode:** allows you to set the input mode for your text messages. Choose from: GSM Alphabet, Unicode, or Automatic.

Multimedia message (MMS) settings

- **Delivery reports:** when this option is activated, the network informs you whether or not your message was delivered.
- **Read reports:** when this option is activated, your phone receives a request for a read reply along with your message to the recipient.
- **Auto retrieve:** allows the message system to automatically retrieve messages.

- **Roaming auto retrieve:** allows the message system to automatically retrieve while roaming.
- **Creation mode:** allows you to select the creation mode: Free, Restricted, or Warning.
 - **Restricted:** you can only create and submit messages with content belonging to the Core MM Content Domain.
 - **Warning:** the phone will warn you via pop up messages that you are creating a multimedia message which does not fit the Core MM Content Domain.
 - **Free:** you may add any content to the message.
- **MMS alert:** alerts you when the messaging modes changes from an SMS (text) to MMS (multimedia) mode.

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.

Push message settings

- **Push messages:** allows you to receive push messages from the network.
- **Service loading:** allows you to set the type of service loading notification. Choose from: Always, Prompt, or Never.

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: Imminent extreme alert, Imminent severe alert, and AMBER alerts.

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.

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.

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.

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)

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 Messaging 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 .
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.

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”.

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

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

- From the Messaging screen, press **Spam** 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 **Messages**.
2. From the Messaging list, press **More** and then tap **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 **Messages**.
2. From the Messaging list, press **More** and then tap **Text templates**.
3. Tap **+ (Create text template)**.
4. Enter a new text string and tap **Save**.

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 (Gmail, Yahoo, etc..), 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.

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 **Settings** → **(Add account)**.

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– or –

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

- **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 syncing 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.

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).

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**.

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 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, configure a priority sender inbox, assign email notifications, ring tones, 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.

- **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.
or
Use your S Pen to enter a handwritten signature within the empty box field below the current on-screen text.
- **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.

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.
 - **Forward with attachments:** Lets you include attachments when forwarding an email.
 - **Recent messages:** adjusts the number of on-screen messages shown in the current category list at any one time.
 - **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 or 4G 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.

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 → (Email).
2. If you already have other email account setup:
 - Open an existing email account, press and then tap **Settings → (Add 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.
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.

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.

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).

Composing Exchange Email

- For more information, refer to “Composing Email” on page 121.

Deleting an Exchange Email Message

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

Configuring Microsoft Exchange Email Settings

1. From the Home screen, press and then tap **Settings** → (Accounts tab) and then navigate to the **Accounts** area.
2. Tap the Microsoft Exchange account and **Settings** → <Exchange email account>.
— or —

From the current Email inbox listing, press and then tap **Settings**.

3. 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 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, configure a priority sender inbox, assign email notifications, ring tones, 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. 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.
 - **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.
 - or
 - Use your S Pen to enter a handwritten signature within the empty box field below the current on-screen text.
 - **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.

5. 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 an emails attachments for offline review by not using a 3G or 4G/LTE network connection.
 - **Auto resend times** enables the phone to resend an outgoing email a specified number of times if delivery fails. The default is 3 auto resends.
 - **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 certificates, 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.
- **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.

6. 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.

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.

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 on 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 **Settings** 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 130.

Section 10: Changing Your Settings

This section explains the device settings for your device. It includes such settings as: display, security, memory, and any extra settings associated with your device.

Accessing the Settings Tabs

- From the Home screen, tap **(Apps)** → **(Settings)**.

– or –

Press **→** and then tap **Settings**.

The four available tabs are then displayed. The previous Settings list is now broken down into four available tabs described below.

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:

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, Tethering and Mobile HotSpot, VPN, and Wi-Fi Calling), NFC, S Beam, Nearby devices, and Screen Mirroring.

My device:

This tab provides access to device configuration and customization features. Features include: Lock screen, Display, LED indicator, Sound, Home screen mode, Call, Blocking mode, Hands-free mode, Power saving mode, Accessory, Accessibility, Language and input, Motions and gestures, Smart screen, Air view, and Voice control.

Accounts:

This tab provides both the ability to create and modify your accounts (ex: Samsung account, Email, etc.), configure Cloud functionality, 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.

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 tabs.

Wi-Fi Settings

This section describes the Wi-Fi settings. For more information, refer to “*Wi-Fi*” on page 234.

Activating 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 right to turn it on . The device scans for available in-range wireless networks and displays them under Wi-Fi networks on the same screen.

Wi-Fi settings

Once set up for Wi-Fi connectivity, your device automatically uses Wi-Fi, when available, for all your mobile services.

1. From the main **Settings** page, tap **Connections** tab → **Wi-Fi**.
2. Press  and then tap **Advanced**. Configure the settings as desired.

The available Wi-Fi connection are displayed with a security type displayed next to them.

Network 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.

1. From the main **Settings** page, tap **Connections** tab → **Wi-Fi**.
2. Press  and then tap **Advanced**.
3. Tap **Network notification**. A check mark displayed next to the feature indicates Network notification is active.
4. Tap **Network notification** again to remove the check mark and deactivate this feature.

Passpoint

Wi-Fi CERTIFIED Passpoint™ allows users connect to Wi-Fi hotspot networks by simplifying the process of connecting to the correct network. In addition, this connection type provides WPA2™ security protection for safe data communication. Mobile devices, such as handsets and tablets, that are certified for Passpoint can still be used in existing hotspots. Users on passpoint-enabled hotspots, will also enjoy Wi-Fi roaming.

1. From the main **Settings** page, tap **Connections** tab → **Wi-Fi**.
2. Press  and then tap **Advanced**.
3. In a single motion touch and slide the **Passpoint** slider to the right to turn it on.
4. Tap the **Passpoint** field and begin the on-screen process of connecting to a compatible AP.

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 enters 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 reduces 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.

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** to activate the feature that would allow the device to connect to the best available signal connection.

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.

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.

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.

Note: WPS-capable routers appear in the Wi-Fi list of available devices with the term **(WPS available)** below their name.

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.

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.

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. For more information, refer to “*Bluetooth*” on page 228.

Turning Bluetooth On and Off

To turn Bluetooth on:

1. From the Home screen, press and then tap **Settings** → (**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.

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.

Changing the Device Name

1. From the Home screen, press and then tap **Settings** → (**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.

Scanning for Devices

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.

3. Enter a PIN to pair with the device, if one is required, and tap **OK**.

Data Usage

Monitor and manage 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 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 mobile data limit:

1. From the main **Settings** page, tap **Connections** tab → **Data usage**.
2. Place a check mark in the **Set mobile data limit** field.
3. Read the on-screen disclaimer info and tap **OK**.

4. Touch and drag the far right ends of the Red or Orange horizontal lines to manually adjust both the **Warning** and **Maximum** data limits.
5. Touch and drag the bottom grey vertical lines to adjust the time frames.
6. Tap the **Data usage cycle** button and select either the current cycle or define your own by selecting **Change cycle**.
7. Press **More networks** and then select from the available on-screen options:
 - **Data roaming** allows you to connect to your service provider's partner networks and access data services when you are out of your service providers area of coverage. For more information, refer to *"Data Roaming"* on page 251.
 - **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.

- **Mobile hotspots** allows you to select available Wi-Fi networks that can service as mobile hotspots. Place a check mark on those entries you wish to use.

More Networks

This tab displays additional wireless and network information.

- From the Home screen, press **Settings** → **More networks** (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.

1. From the main **Settings** page, tap **Connections** tab → **More networks**.

2. In a single motion touch and slide the **Airplane mode** slider to the right to turn it on.
3. Tap **OK**. The Airplane mode icon is displayed at the top of your screen.

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**.

Data Roaming

Data roaming allows you to connect to your service provider's partner networks and access data services when you are out of your service providers area of coverage.

1. From the main **Settings** page, tap **Connections** tab → **More networks** → **Mobile networks**.
2. Tap **Data roaming** to connect to data services while roaming outside your network.

– or –

Tap **Data roaming** again to remove the green check mark and deactivate the feature.

Access Point Names

To access a wireless access point:

- From the main **Settings** page, tap **Connections** tab → **More networks** → **Mobile networks** → **Access Point Names**. A list of the Access point names display. The active access point displays a bright green, filled circle to the right of the name.

Network mode

You can configure your device to either automatically select the LTE option (LTE/WCDMA/GSM (auto connect) [by default]), WCDMA/GSM (auto connect), GSM only, or WCDMA only.

- From the main **Settings** page, tap **Connections** tab → **More networks** → **Mobile networks** → **Network mode**.
 - **LTE/WCDMA/GSM (auto connect)** is the default network mode option. This selection allows the device to choose the fastest connection from among the available connection speeds, including LTE.
 - **WCDMA/GSM (auto connect)** allows you to exclude the LTE network and choose from only 4G, 3G, and 2G networks.
 - **WCDMA only** restricts your connection to only the 3G network.
 - **GSM only** restricts your connection to only the 2G network.

Using the LTE Network Option

To confirm you are always using the fastest possible connection, the device has an automatic detection method where it finds both the fastest and most stable connection/communication method from among this selected set (LTE/4G/3G/2G).

1. From the main **Settings** page, tap **Connections** tab → **More networks** → **Mobile networks** → **Network mode**.
2. Tap **LTE/WCDMA/GSM (auto connect)**. A selection indicator displays next to this option to show that it is active. This is the default mode for this device.

Using the WCDMA/GSM Option

If you wish to not use LTE but still require a fast connection using the standard 3G/2G network speed, follow these instructions to connect to these network types.

1. From the main **Settings** page, tap **Connections** tab → **More networks** → **Mobile networks** → **Network mode**.
2. Tap **WCDMA/GSM (auto connect)**. A selection indicator displays next to this option to show that it is active. This is the default mode for this device.

Using the WCDMA - 3G Only Network

This option uses a 3G connection only.

1. From the main **Settings** page, tap **Connections** tab → **More networks** → **Mobile networks** → **Network mode**.
2. Tap **WCDMA only**. A check mark displays next to this option to indicate that it is active. Connecting to 3G networks slows the data transfer speed and time.

Using the 2G - GSM Only Network

If you are not using applications that require a faster network speed (any application that accesses the network or uses a browser), using the 2G only (WCDMA) network saves battery life.

1. From the main **Settings** page, tap **Connections** tab → **More networks** → **Mobile networks** → **Network mode**.
2. Tap **GSM only**. A check mark displays next to this option to indicate that it is active. Connecting to 2G networks slows the data transfer speed and time.

Network Operators

Using this feature you can view the current network connection. You can also scan and select a network operator manually, or set the network selection to Automatic.

1. From the main **Settings** page, tap **Connections** tab → **More networks** → **Mobile networks**.
2. Tap **Network operators**. The current network connection displays at the bottom of the list.

Important! You must deactivate data service prior to searching for an available network.

3. Tap **Search now** to manually search for a network.
4. Tap **Select automatically** to automatically select a network connection.

Note: Connecting to 2G networks slows the data transfer speed and time.

Default Setup Options

Your phone default is set to Automatic (to automatically search for an available network. You can set this option to Manual to select a network each time you connect.

1. From the main **Settings** page, tap **Connections** tab → **More networks** → **Mobile networks** → **Network operators**.
2. Tap **Default setup**.
3. Tap **Automatic** to allow the device to automatically select a network.
– or –

Tap **Manual** to locate and connect to a network manually.

Tethering and Mobile HotSpot

This option allows you to share your phone's mobile data connection via a direct USB connection between your phone and computer. A wireless version of this same functionality would be the Mobile AP feature.

Note: You can not mount your device's microSD card to your computer while using the USB tethering feature. If additional software or USB drivers are required, navigate to: <http://www.samsung.com/us/support/downloads>.

- From the main **Settings** page, tap **Connections** tab → **More networks** → **Tethering and Mobile HotSpot**.

For more information, refer to “USB Tethering” on page 237.

For more information, refer to “Mobile HotSpot” on page 238.

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 304.

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.

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 **(Add VPN network)**.

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

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.

Wi-Fi Calling

You can configure your device to make and receive calls over an active Wi-Fi connection. Wi-Fi Calling is an excellent solution for coverage issues in and around the home or wherever cellular coverage is limited. Minutes used while connected to the Wi-Fi network count against available rate plan minutes.

For more information, refer to “*Wi-Fi Calling*” on page 60.

1. Ensure that the **Wi-Fi connected** icon displays on the status bar.
2. From the main **Settings** page, tap **Connections** tab → **More networks**.
3. In a single motion touch and slide the **Wi-Fi Calling** slider to the right to turn it on.

Wi-Fi Calling Settings

Important! A compatible SIM card must be installed within the device prior to using this feature. Wi-Fi must first be active and communicating prior to launching Wi-Fi Calling.

1. From the main **Settings** page, tap **Connections** tab → **More networks** → **Wi-Fi Calling**.
2. Tap **Connection Preferences** and select a preference for use of the Wi-Fi Calling feature:
 - **Wi-Fi Preferred:** Wi-Fi network is preferred over cellular network when making calls. Calling requires you to stay in the Wi-Fi range.
 - **Cellular Network Preferred:** The cellular network is preferred over a Wi-Fi network when making calls.
 - **Never use Cellular Network:** Use only Wi-Fi for calls. Do not use Cellular Network, even if available.
3. Tap **Help** from the main Wi-Fi Calling Settings page to navigate through either an on-screen tutorial or review the top 10 Wi-Fi Calling questions.

Near Field Communication

This feature is used to read and exchange tags. When used in conjunction with Android Beam, your device can be used to beam application content when NFC-capable devices are touched.

1. From the main **Settings** page, tap **Connections** tab.
2. Tap the **NFC** field and verify the feature is active (indicated by).

Android Beam

When Android Beam is activated, you can beam app content to another NFC-capable device by holding the devices close together. You can beam browser pages, YouTube videos, contacts, and more.

1. From the main **Settings** page, tap **Connections** tab → **NFC** → **Android Beam**.
2. Tap the **OFF / ON** icon to turn Android Beam on.
3. Touch the back of your device with another NFC-capable device and the content is transferred.

S Beam

This feature (when activated via NFC) allows you to beam large files directly to another compatible device that is in direct contact. These files can be larger, such as Videos, HD pictures, and other large files. You can beam images and videos from your gallery, music files from your music player, and more.

1. From the main **Settings** page, tap **Connections** tab.
2. Verify the NFC feature is active.
3. Tap **S Beam** and make sure the feature is turned on.
4. If not already active, in a single motion touch and slide the **S Beam** slider to the right to turn it on.
5. Complete the transfer process between the two NFC-enabled devices by placing them back to back.

This feature can come in very handy to quickly share pictures between users with compatible S Beam devices. For more information, refer to “*Using S Beam to Share Pictures*” on page 146.

Nearby devices

This option allows you to share your media files with nearby devices using DLNA and connected to the same Wi-Fi.

1. Connect to a Wi-Fi network. For more information, refer to “*Connecting to a Wi-Fi Network*” on page 235.
2. From the main **Settings** page, tap **Connections** tab → **Nearby devices**.
3. Tap the **File sharing** field to turn File sharing on. A green check mark indicates the feature is active. Once active, **(Nearby devices)** appears at the top of the screen.
4. At the Nearby devices prompt, tap **OK**.
5. Tap **Shared contents**, then check the media you would like to share. Tap **OK**.
6. Tap **Allowed devices list**, then select the connected devices you would like to allow.
7. Tap **Not-allowed devices list**, then select the connected devices you would like to not allow.
8. Tap **Download to**, then select the destination of any downloaded (shared) content. Choose from USB storage (Device) or SD card.

9. Tap **Upload from other devices**, then select the actions you'll take when you upload content from other devices. Choose from either Always accept, Always ask, or Always reject.

Screen Mirroring

With feature enabled, you can wirelessly mirror what is currently displayed on your device's screen with an external TV via devices such as the AllShare Cast Hub®.

Note: Screen mirroring can only be done with a compatible wireless TV or one enabled with the AllShare Cast Hub.

For more information, refer to “*AllShare Cast Hub*” on page 153.

1. From the main **Settings** page, tap **Connections** tab → **Screen Mirroring**.
2. In a single motion touch and slide the **Screen Mirroring** slider to the right to turn it on. The slider color indicates the activation status.

Note: This feature allows a connection between your device and the optional AllShare Cast Hub, via a shared Wi-Fi Direct connection. The AllShare Cast Hub then allows the communicating TV to mirror what is being shown on the device's display.

For more information, refer to “AllShare Cast Hub” on page 153.

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 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.
- **Face unlock:** Look at your phone to unlock it.
- **Face and voice:** Look at your phone and speak to unlock.
- **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.

Swipe options

1. From the main **Settings** page, tap **My device tab** → **Lock screen**.
2. Configure one of the following options.
 - **Multiple widgets** allows you to display multiple widgets on your lock screen. Appears as an options after a lock mode is enabled.
 - **Lock screen widgets** allows you to lock the widgets that are displayed on your home screens.

- **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.
- **Wake up in lock screen** requires that you say a command to wake-up your phone.
- **Set wake-up command** designates your wake-up commands. Tap **Set wake-up command** and follow the on-screen prompts to create a new verbal command.

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**.

Using Face Unlock

This feature used facial recognition to unlock your phone. This feature is less secure than PIN, Pattern, and Password locks and can be bypassed by someone else who looks similar to you.

1. From the main **Settings** page, tap **My device** tab → **Lock screen**.
2. Tap **Screen lock** → **Face unlock**.
3. Read the on-screen notification and tap **Next**.
4. From the About Face Unlock screen, tap **Set it up** → **Continue**.
5. Follow the on-screen instructions.
6. If your face is not recognized, choose an unlocking method: Pattern or PIN.

Face unlock options

Once Face unlock is enabled, additional options are available:

- **Lock screen widgets** allows you to lock the widgets that are displayed on your home screens.
- **Improve facial recognition** allows you to improve your device's face matching capability by capturing your face in different lighting, with or without glasses, and bearded or clean-shaven. Follow the on-screen instructions.
- **Presence check** requires that you blink when using the Face unlock feature. This will increase the security of the feature.
- **Lock automatically** locks the screen 5 seconds after the screen turns off.
- **Lock instantly with power key** once enabled, instantly locks the screen after pressing the power key.

Using Face and Voice Unlock

This feature used facial recognition to unlock your phone. This feature is less secure than PIN, Pattern, and Password locks and can be bypassed by someone else who looks similar to you.

1. From the main **Settings** page, tap **My device** tab → **Lock screen**.
2. Tap **Screen lock** → **Face and voice**.
3. Read the on-screen notification and tap **Next**.
4. From the About Face Unlock screen, tap **Set it up** → **Continue**.
5. Follow the on-screen instructions.
6. Once prompted to speak and unlock command, tap and repeat the phrase four times.
7. Once complete, tap **Done**.

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.

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.

Note: Make sure the Require Pattern field is activated.

1. From the main **Settings** page, tap **My device** tab → **Lock screen**.
2. Tap **Screen lock** → **Pattern**.
3. Read the instructions then tap **Next**.
4. 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.

5. When you have connected at least four dots in a vertical, horizontal or diagonal direction, lift your finger from the screen and tap **Continue**.
6. Confirm the new pattern by redrawing it and then tapping **Confirm**. The Unlock pattern is set.
7. Enter the backup PIN code and tap **Continue**.
8. 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.

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:

- **Lock screen widgets** allows you to lock the widgets that are displayed on your home screens.
- **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.

Important! If you are unsuccessful in retrieving your lock pattern or unlocking your device, please contact T-Mobile 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 262 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

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.

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Display Settings

In this menu, you can change various settings for the display such as the font, orientation, pop-up notifications, puzzle lock feature, animation, brightness, and screen timeout, and power saving mode.

Adjusting the Screen Display

1. From the Home screen, press  and then tap **Settings** →  **(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 (page 33).
- **Multi window:** tap this option to enable/disable the automatic Multi window feature.
- **Screen mode:** allows you to select from several different color modes.

- **Reading mode:** allows you to activate an optimized reading mode for selected applications. This menu allows you to assign available applications (such as Calculator, Camera, Contacts, etc...) for enhancement using the Reader mode.
- **Brightness:** adjusts the on-screen brightness level. For more information, refer to “*Adjusting Screen Brightness*” on page 266.
- **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, and 10 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.

- **Font style:** sets the fonts used on the LCD display. Selections are: **Default font**, **Choco cooky**, **Cool jazz**, **Rosemary**, **Samsung Sans** or **Get fonts online**. Tap **Get fonts online** to download additional fonts.
- **Font size:** allows you to select which size of font is displayed.
- **Touch key light duration:** allows you to adjust the delay before the Touch key light automatically turns off.
- **Show battery percentage:** to activate/deactivate the display of battery charge percentage atop the battery icon at the top of the screen.
- **Edit after screen capture:** allows you to go edit a screen immediately after taking a screen capture.
- **Auto adjust screen tone:** adjusts the phone's LCD brightness level to automatically adjust and conserve battery power.
- **Increase touch sensitivity:** allows you to adjust the touch sensitivity of your phone automatically depending on the type of material on the display.

Adjusting Screen Brightness

This feature configures the LCD Brightness levels.

1. From the main **Settings** page, tap **My device** tab → **Display** → **Brightness**.
2. Tap **Automatic brightness** to allow the phone to self-adjust and tap **OK**.

– or –

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.

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 39.

LED Indicator

This option allows you to turn on your LED lights for charging, missed events, and incoming notifications. The light will turn on by default unless you turn them off.

1. From the Home screen, press  and then tap **Settings** →  (**My device** tab) → **LED indicator**.
2. Tap the following LED indicator options to turn them on or off:
 - **Charging:** LED lights up when the device is connected to the charger.
 - **Low battery:** LED lights up when the battery level is low.
 - **Notifications:** LED lights up when you have missed calls, messages, or application events.
 - **Voice recording:** LED lights up when you are recording voice. The LED only lights up when the screen is off.

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** 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  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.

Vibration intensity

Vibration intensity allows you to select how intense the vibration is for different options.

1. From the main **Settings** page, tap **My device** tab → **Sound** → **Vibration intensity**.
2. Touch and drag the slider to adjust the Vibration intensity for **Incoming call, Notification, and Haptic feedback**.
3. Tap **OK** to assign the vibration levels.

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.

Notifications

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 **Haptic feedback** to activate the a vibration when you press soft keys on certain screens. A check mark displayed next to the feature indicates this feature is active.

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.
3. Tap **Key-tap vibration** to activate the a vibration when you press on-screen keys. A check mark displayed next to the feature indicates this feature is active.

Audio Output

This sound feature configures the audio output.

1. From the main **Settings** page, tap **My device** tab → **Sound** → **Audio output**.
2. Choose from either Stereo or Surround.

Adapt Sound

The Adapt sound feature allows you to customize your call sounds.

1. From the main **Settings** page, tap **My device** tab → **Sound** → **Adapt Sound**.
2. Read the instructions and tap **Start**.

3. Follow the on-screen instructions to set up your personal call sound.

Home Screen Mode

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**.

1. From the Home screen, press  and then tap **Settings** →  (**My device** tab) →  (**Home screen mode**).
2. Tap the pull-down Dropbox and 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 .
2. Press  and then tap **Call settings**.
– or –

From the Home screen, press  and then tap **Settings** →  (**My device tab**) → **Call**.

To access the Call settings menu:

1. From the Home screen, tap  (**Phone**).
2. Press  and then tap **Call settings**.

Configuring General Call Settings

Configure the general call settings using this option.

1. From the Home screen, tap  (**Phone**). Press  and then tap **Call settings**.
2. Tap one of the following options:
 - **Call rejection**: allows you to manage your rejection mode and rejection list.
 - **Auto reject mode**: sets the phone to automatically reject incoming calls or messages.
 - **Auto reject 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.
 - **Voice control** allows you to answer incoming voice calls using voice.
 - **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.
- **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.
- **Wi-Fi Calling:** Allows you to both activate/deactivate the Wi-Fi Calling feature and configure its settings. For more information, refer to “*Wi-Fi Calling*” on page 60.

Note: If the Wi-Fi Calling feature is active and connected, the Call forwarding feature is greyed-out and inaccessible.

- **Additional settings:** allows you to configure additional call settings. For more information, refer to “*Configuring Additional Voice Call Settings*” on page 275.

- **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 enabling selecting an audio preset. For more information, refer to “*Adjusting the Call Volume*” on page 63.
- **Noise reduction:** allows you to enable suppression of background audio.
- **Increase volume in pocket:** enables the ringtone volume to be increased when the device is in a pocket or bag.
- **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.
- **TTY mode:** allows you to configure the TTY settings. For more information, refer to “*TTY Mode*” on page 279.

Call rejection

1. From the main **Call settings** page, tap **Call rejection** → **Auto reject mode** and tap one of the following options:
 - **All numbers:** to reject all calls.
 - **Auto reject numbers:** to reject all calls in your Reject list.
2. Tap **Auto reject list**.
3. Tap to manually add numbers to the Reject list.
4. Tap **Unknown** 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.
 - **Voice control** allows you to answer incoming voice calls using voice.
 - **The power key ends calls** allows you to press the power key to end the current call.

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: Answer vibration 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.

Wi-Fi Calling

Wi-Fi Calling is a free feature for T-Mobile customers using this device with the new SIM card. Wi-Fi Calling is an excellent solution for coverage issues in and around the home or wherever cellular coverage is limited. Minutes used while connected to the Wi-Fi network count against available rate plan minutes.

- For more information, refer to “*Wi-Fi Calling*” on page 60.

Configuring Additional Voice Call Settings

1. From the main **Call settings** page, tap **Additional settings**.
2. Tap one of the following options:
 - **Caller ID:** chooses whether your number is displayed when someone answers your outgoing call. Choose from: Network default, Hide number, or Show number.
 - **Call forwarding:** configures the forwarding settings. For more information, refer to “*Configuring Call Forwarding*” on page 275.
 - **Auto area code:** allows you to automatically prepend a specific area code to all outbound calls.
 - **Call barring:** blocks specific types of calls (All outgoing calls, International calls, etc..).
 - **Call waiting:** notifies you of an incoming call while you are on another call.
 - **Auto redial:** automatically redial the dialed number if it is unable to connect or the call is cut off.
 - **Fixed dialing Numbers:** manages fixed dialing numbers. See description below.

Configuring Call Forwarding

1. From the main **Call settings** page, tap **Additional settings** → **Call forwarding**.

Important! Call Forwarding is disabled when the Wi-Fi Calling feature is enabled.

2. Tap an available option:
 - **Always forward:** incoming calls are re-routed to a secondary number that you specify.
 - **Forward when busy:** forwards all your calls to voicemail when your phone is busy.
 - **Forward when unanswered:** automatically forwards to your voicemail number when the phone is not answered, and otherwise allows you to enter a voicemail number.
 - **Forward when unreachable:** automatically forwards to your voicemail number when the phone is not in service, or is turned off.

Using Auto Area Code

This feature prepends an area code to all outbound calls. When enabled, the designated prefix is always added before your dialed numbers.

Ex: If you were using 999 as your area code, 555-5555 would be dialed as 999 - 555-5555.

1. From the main **Call settings** page, tap **Additional settings**.
2. Tap **Auto area code**, enter a new prefix, and then tap **OK**.

Call Barring

Configures the device to barr (prevent) selected outbound calls.

1. From the main **Call settings** page, tap **Additional settings**.
2. Tap **Call barring** and select from the available settings. Choose from: All outgoing calls, International calls, Intl' calls except home, All incoming calls, or Incoming when roaming.

Call Waiting

1. From the main **Call settings** page, tap **Additional settings**.
2. Tap **Call waiting** to enable/disable the on-screen notification of new incoming call during an active call.

Auto Redial

1. From the main **Call settings** page, tap **Additional settings**.
2. Tap **Auto redial** to automatically enable/disable the feature whereby the device redials the dialed number if it is unable to connect or the call is cut off.

Fixed Dialing Numbers

Fixed Dial Number (FDN), allows you to restrict outgoing calls to a limited set of phone numbers.

Enabling FDN

1. From the main **Call settings** page, tap **Additional settings** → **Fixed dialing numbers**.
2. Tap **Turn on FDN**.
3. At the prompt, enter your PIN2 code and tap **OK**.

Important! Not all SIM cards use a PIN2 code. If your SIM card does not, this menu does not display.

The PIN2 code is provided by your carrier. Entering an incorrect PIN2 code could cause the phone to lock. Contact customer service for assistance.

Changing the PIN2 Code

1. From the main **Call settings** page, tap **Additional settings** → **Fixed dialing numbers**.
2. Tap **Change PIN2**.
3. At the prompt, enter your old PIN2 code.
4. At the prompt, enter a new PIN2 code.
5. Confirm your PIN2 code.

Important! Not all SIM cards use a PIN2 code. If your SIM card does not, this menu does not display.

The PIN2 code is provided by your carrier. Entering the PIN2 incorrectly three times will cause the device to lock. Contact customer service for assistance.

Managing the FDN List

When this feature is enabled, you can make calls only to phone numbers stored in the FDN list on the SIM card.

1. From the main **Call settings** page, tap **Additional settings** → **Fixed dialing numbers**.
2. Tap **Turn on FDN**.
3. At the prompt, enter your PIN2 code and tap **OK**. FDN is enabled.
4. Tap **FDN list** then press  and then tap **Add contact** or edit the contacts that were stored.

Important! Not all SIM cards use a PIN2 code. If your SIM card does not, this menu does not display.

The PIN2 code is provided by your carrier. Entering the PIN2 incorrectly three times will cause the device to lock. Contact customer service for assistance.

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 **Dial keypad tones** 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.

For more information, refer to “*Personalizing the Call Sound Setting*” on page 64.

Noise reduction

This option allows you to suppress background noise during a call.

- From the main **Call settings** page, tap **Noise reduction** to create a check mark and enable the feature.

Increase volume in pocket

This option increases the ringtone volume when the device is in a pocket or a bag. It uses the proximity sensor to detect its location.

- From the main **Call settings** page, tap **Increase volume in pocket** to create a check mark and enable the feature.

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.

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.

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.

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 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, Turn off alarm and timer, Turn off LED indicator.
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.
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 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.
- **ChatON**: read out ChatON callers' information when receiving incoming calls.
- **Air call-accept**: wave your hand over the screen to accept 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.

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 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.
 - **Turn off haptic feedback**: allows you to turn off vibration when you tap or touch the screen.
4. Tap **Learn about Power saving** to learn about various ways to conserve battery power.

Accessory

This menu allows you to select the Audio output mode when using a car or desk dock.

1. From the Home screen, press  and then tap **Settings** → My device **(My device tab) → Accessory**.
2. Tap **Dock sound** to play sounds when inserting or removing the phone from the dock.
3. Tap **Audio output mode** to use the external dock speakers when the phone is docked.

4. Tap **Desk home screen display** if you wish to show the desk home screen when the device is docked.
5. Tap **Automatic unlock** if you are using a phone cover and you want your phone to unlock when you open the cover.
6. Tap **Audio output** to set your Audio output to Stereo or Surround.

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 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. Select **Easy touch mode** field to be able to tap to stop/snooze alarms, calendar events, and timer alerts, and accept/reject incoming calls.
8. Tap **Show shortcut** allows you to press and hold (Power/End) to use the accessibility shortcut under the Device options screen.

9. 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.
10. Tap **TalkBack** to activate the feature.

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.

11. 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.
12. Enable **Magnification gestures** to use exaggerated gestures such as triple-tapping, double pinching, and dragging two fingers across the screen.

- 13.** 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.
- 14.** Select **Color adjustment** to allow you to adjust the display colors if you are color blind and have difficulty reading the display because of the colors. Touch and slide the slider to the right to turn it on. Follow the on-screen instructions.
- 15.** Tap **Notification reminder** to allow you to play a beep when you have unread notifications. Touch and slide the slider to the right to turn it on. Follow the on-screen instructions.
- 16.** 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.
- 17.** Tap the **Text-to-speech options** field to configure the text to speech configuration parameters.
- 18.** Use the **Sound balance** field to allow you to use the slider to set the Left and Right balance when using a stereo device.
- 19.** 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.
- 20.** Tap the **Turn off all sounds** field to mute every sound made by the device during taps, selections, notifications, etc..
- 21.** Tap the **Hearing aids** field to improve the sound quality of your device for use with hearing aids.
- 22.** Tap **Flash notification** to allows you to set your camera light to blink whenever you receive a notification.
- 23.** 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.
- 24.** Tap the **Press and hold delay** field to select a time interval for this action. Choose from: Short (0.5), Medium (1.0 second), Long (1.5 seconds), or Custom.

25. Enable **Interaction control** to allow 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.

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 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 **Set up input methods** to alter/modify the available input methods.

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:
 - **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.
- **Auto replacement** automatically completes or replaces the current word with the most probable word match after tapping the space bar or entering a punctuation mark.
- **Auto capitalization** automatically capitalizes the first letter of the first word in each sentence (standard English style).
- **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.
- **Keyboard swipe**: allows you to combine the Samsung keyboard with an additional input method choose from:
 - **None** leaves text input as only via the on-screen keyboard.
 - **SwiftKey Flow** 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.
 - **Cursor control** when enabled, allows you to control your on-screen cursor by moving your finger across the keyboard.
- **Key-tap feedback** provides feedback functions to be enabled such as:
 - **Sound** enables auditory feedback when you tap an on-screen key.
 - **Vibration** enables vibration feedback when you tap an on-screen key.
 - **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.
- **More settings** provides access to additional settings.
 - **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.

Note: Only available when ABC mode is selected. Predictive text advanced settings are available only if the Predictive function is enabled.

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)** → 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:
 - **Live word update** allows the device to automatically update its word database with popular new words every day.

- **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 Facebook** allows you to log into your current Facebook account and add used text to your personal dictionary.
- **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 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 Messaging information.
- **Learn from Contacts** updates predictive style by learning your Contacts style.
- **Clear remote data** allows you to delete your anonymous data stored on the personalization server.
- **Clear personal data** removes all personalized data entered by the user.

- **Privacy** displays on-screen privacy information.

4. Press to return to the previous screen.

Swype Settings

To configure Swype settings:

1. From the main **Settings** page, tap **My device** tab → **Language and input** → (adjacent to the **Swype** field).
2. Tap **Settings** on the left side of the screen to alter these settings:
 - **Vibrate on keypress**: activates a vibration sensation as you enter text using the keypad.
 - **Sound on keypress**: turns on sounds generated by the Swype application.
 - **Pop-up on keypress**: displays the character above the key when typing.
 - **Show complete trace**: once enabled, sets whether or not to display the complete Swype path.
 - **Auto-capitalization**: automatically capitalizes the first letter of a sentence.

- **Auto-spacing**: automatically inserts a space between words. When you finish a word, just lift your finger or stylus and start the next word.

- **Next word prediction**: once enabled, predicts the next word in your text string based on your current text entries.

- **Show Voice key**: once enabled, displays the Voice icon on your Swype keyboard so you can use the Voice input option.

3. Tap **My Words** on the left side of the screen to access the following options:

- **Backup & Sync**: allows you to backup your Swype dictionary and sync your Swype dictionary across multiple devices.
- **Living Language**: when enabled, this feature automatically updates your Swype dictionary with popular new words.
- **Social integration**: allows you to learn information from your Facebook, Twitter, and Gmail accounts to help you while using Swype.
- **Edit my dictionary**: allows you to edit your personal Swype dictionary.
- **Clear language data**: deletes all of your personal language data, including your words.

- **Contribute usage data:** when enabled, allows the Nuance® application to collect usage data for better word predictions.
 - **Cellular data:** when enabled, activates cellular data usage by the Swype application so it can receive program updates, language downloads, and other related features via your existing data connection.
4. Tap **Languages** on the left side of the screen to activate and select the current text input language. Default language is English. Touch **Download languages**, to download additional languages.
 5. Tap **Gestures** on the left side of the screen to view helpful information on using gestures while using Swype.
 6. Tap **Help** on the left side of the screen to see the following options:
 - **How to Swype:** provides tips on how to learn to use Swype.
 - **Show helpful tips:** once enabled, displays helpful tips and hints as you are using Swype.
 - **Version:** displays the software version information.

7. Tap **Updates** on the left side of the screen to download any new Swype updates. If an update is available, it will display under the updates heading. If no updates are displayed, then check back later to see any available updates.

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 **Download 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.

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”.

- **Download offline speech recognition**: enables voice input while offline.
- **Bluetooth headset**: records audio through a connected Bluetooth headset.

3. Press **Back** to return to the previous screen.

Configuring Text-to-speech

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).

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**. The default is Google Text-to-speech.

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.
 - **Install voice data:** allows you to install voice data for speech synthesis.
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**.

Motions and Gestures 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 → **Motions and gestures**. When tapped, each entry comes with an on-screen tutorial.

-
- **Air gesture:** Allows you to control your device by performing motions above the sensor (without touching the device).
 - **Motion:** Allows you to control your device using natural movements (on the screen).

- **Palm motion:** Allows you to control your device by touching the screen with your entire hand.

To activate Air gesture:

1. From the Home screen, press **Settings** and then tap **Settings → My device tab → Motions and gestures**.
2. In a single motion touch and slide the **Air gesture** slider to the right to turn it on.
3. Read the on-screen notification and tap **OK**.

Note: At least one feature must be activated before Air gesture can be activated.

4. Tap **Learn about sensor and icon** field to review on-screen information about the Air gestures sensor and related icon.
5. In a single motion, slide a feature's activation slider to the on position.

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

- **Quick glance:** Once enabled, you can move your hand over the air gesture sensor (located above the on-screen clock at the upper-right) to temporarily activate preview window that can be used to display selected user-enabled information such as: Time & Date, Notification icons, Missed calls, etc..
- **Air jump:** Once enabled, you can move your hand over the air gesture sensor (up or down) and easily jump to either the top or bottom of a lengthy display page (ex: Internet or Email).
- **Air browse:** Once enabled, you can move your hand over the air gesture sensor (left or right) and easily move to either the previous or next item in a series (ex: music tracks, pictures, or pages).
- **Air move:** Once enabled, you can move use one finger to hold down on an app shortcut or event entry and then swipe across the air gestures sensor to then move it to a new a different page.
- **Air call-accept:** Once enabled, you can simply wave your hand over the air gesture sensor to accept any incoming call.

To activate Motion:

1. From the main **Settings** page, tap **My device** tab → **Motions and gestures**.
2. In a single motion touch and slide the **Motion** slider to the right to turn it on.
3. Read the on-screen notification and tap **OK**.

Note: At least one feature must be activated before Motion can be activated.

4. In a single motion, slide a feature's activation slider to the on position.

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

- **Direct call:** Once enabled, the device will dial the currently displayed on-screen Contact entry as soon as you place the device to your ear.
- **Smart alert:** Once enabled, pickup the device to be alerted and notified of you have missed any calls or messages.
- **Zoom:** Once enabled, you must be on a screen where content can be zoomed. In a single motion, touch and hold two points on the display then tilt the device back and forth to zoom in or out.

- **Browse an image:** Once enabled, touch and hold a desired on-screen image to pan around it. Move the device left or right to pan vertically or up and down to pan horizontally around the large on-screen image.
- **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 Pickup to be Notified Gesture.

To activate Palm Motion:

1. From the main **Settings** page, tap **My device** tab → **Motions and gestures**.
2. In a single motion touch and slide the **Palm motion** slider to the right to turn it on.
3. Read the on-screen notification and tap **OK**.

Note: At least one feature must be activated before Palm motion can be activated.

4. In a single motion, slide a feature's activation slider to the on position.

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

- **Capture screen:** Once enabled, you can capture any on-screen information swiping across the screen. In a single motion, press the side of your hand on the screen and swipe from left to right. The image is then copied to the clipboard.
- **Mute/pause:** Once enabled, you can pause any on-screen video or mute any current sound by simply covering the screen with your hand. Once you remove your hand from the screen, the device goes back to normal by either continuing to play the current video or unmuting the current sound.

Smart screen

The Smart screen options allow you to customize your screen settings to make the screen more responsive and easier to use.

1. From the Home screen, press  and then tap **Settings** →  (My device tab) → **Smart screen**.
2. Tap any of the following options to create a checkmark and activate the features:
 - **Smart stay:** disables the screen timeout if your phone detects that your face is watching the screen.
 - **Smart rotation:** disables the auto screen rotation by checking the orientation of your face and the device.

- **Smart pause:** pauses videos when your device detects that your head has moved away from the screen.
- **Smart scroll:** once your eyes have been detected, the screen will scroll according to your device's tilt angle. Tap the adjacent field to the right of the Smart scroll field to activate the feature. With Smart scroll, the screen will scroll depending on the phone's tilt angle once your eyes have been detected.

Air view

With the Air view feature, you can hover your finger over the screen and Air view features will be displayed. For example, you can hover your finger over a scheduled item in your calendar to see more details.

1. From the main **Settings** page, tap **My device** tab → **Air view**.
2. Tap the ON/OFF icon at the top of your screen to activate Air view ().

3. The following options are available. Tap an option to create a checkmark and activate the feature.

- **Information preview:** allows you to see information previews, extended text, and enlarged images when you hover your finger over the screen.

Note: It is recommended that the Information preview function be enabled if using Air view.

- **Progress preview:** allows you to preview a scene or show elapsed time when you hover your finger over the progress bar while watching a video.
- **Speed dial preview:** allows you to see the contacts and their speed dial numbers when you hover your finger over them in your contacts list.
- **Webpage magnifier:** allows you to see magnified links on webpages when you hover your finger over them.
- **Sound and haptic feedback:** allows you to play sound and feel vibration when you hover your finger over Air view items.

Voice control

The Voice control settings allow you to set up voice commands to control your device.

1. From the main **Settings** page, tap **My device** tab → **Voice control**.
2. Verify the feature is active by tapping  at the top of your screen to activate Voice control.
3. The following options are available. Tap an option to create a checkmark and activate the feature.
 - **Incoming calls:** allows you to answer or reject calls using the commands **Answer** and **Reject**.
 - **ChatON:** allows you to answer or reject calls using the commands **Answer** and **Reject**.
 - **Alarm:** allows you to stop or snooze an alarm by using the commands **Stop** and **Snooze**.
 - **Camera:** allows you to take pictures using the voice commands **Smile**, **Cheese**, **Capture**, or **Shoot**.
 - **Music:** allows you to control your Music player using the voice commands **Next**, **Previous**, **Pause**, **Play**, **Volume Up**, and **Volume Down**.

Note: If you set the alert type for calls or alarms to vibration, voice control will not be available.

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 **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

Important! Removing an account also deletes all of its messages, contacts, and other data from the device.

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.

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.

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.

Cloud

This feature allows you to use your external cloud storage solution to both synchronize your device to your Samsung account and then backup that local content to the cloud.

Your device comes with a built-in Cloud storage solution known as Dropbox.

Important! This feature requires an active Wi-Fi connection prior to use.

1. Log into your Samsung account and verify it is active. For more information, refer to “*Creating a Samsung Account*” on page 296.
2. Log into your external cloud storage solution. In our case we are using a Dropbox account. For more information, refer to “*Dropbox*” on page 167.
3. From the Home screen, press  and then tap **Settings** →  (Accounts tab) → **Cloud**.
4. Confirm your Samsung account appears at the top of the screen.
5. Tap **Storage usage** to display an overview of your total used space.

6. Tap **Sync settings**, select which device parameters will be synched, and tap **Sync now**. Choose from: Sync Calendar, Sync Contacts, Sync Internet, and Sync Memos.
7. Tap **Backup** or **Restore** to launch the feature.
 - **Backup**: manually loads up the currently selected categories and backs up the data to your cloud storage location. Tap **Backup** to begin the manual backup process.
 - **Restore**: allows you to retrieve your previously backed up data from your Samsung account and then download it to your device.
8. Tap **Link Dropbox account** → **Allow** to now link your active Dropbox account.

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**.

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.

6. Tap **Collect diagnostics** to collect diagnostic data for troubleshooting use. For more information, refer to “*Collect Diagnostics*” on page 302.

Backing up Your Data Before Factory Reset

Backing Up Your Contacts using an SD card

Before initiating a factory reset, it is recommended that you backup your personal data prior to use.

Important! If you choose to back up contacts to your SIM card, all information other than name and number is lost. Therefore, it is recommended that you back up contacts to your SD card.

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**. The contacts will be stored in a .vcf file on your SD card.

For more information, refer to “Export/Import” on page 100.

To copy contacts from an SD card back to your device:

1. From the Home screen, tap **(Contacts)**.
2. Press **⌵** and then tap **Import/Export** → **Import from USB storage**.
3. At the Save contact to prompt, tap **Device**. The contacts on the SD card are copied to your phone.

Backing Up Media to your PC

You can back up your pictures, videos, documents, and other media to your PC. You can connect your device to a PC as a removable disk and copy files back and forth between your phone and PC. If you insert an SD card in the device, you can also access the files directory from the SD card by using your device as a memory card reader.

1. Connect the USB cable to your device, then connect the cable to your PC USB port. After a few seconds, a pop-up window displays on the PC when it is connected with your device.
2. On the PC pop-up, click **Open device** to view files.
3. Verify your device appears as a removable disk on your PC. Once connected, you can access the Phone folder (internal phone memory) and the Card folder (SD card).
4. Select the location where the files are that you would like to copy to your PC (Device or Card).
5. Select the folders where the information is kept. This would include folders such as DCIM (camera pictures and videos), Pictures, Music, Playlists, Download, etc.

6. Select the files that you want to copy and copy them (Control C - copy) to a folder on your PC (Control V - paste).
7. Disconnect the USB cable from your phone and the PC.
8. To copy files on your PC back to your phone, simply reverse the procedure.

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.
2. Select the folder where the files are that you would like to copy to the SD card. This would include folders such as DCIM (camera pictures and videos), Pictures, Music, Playlists, Download, etc. For example, tap **(Apps) → (My Files) → Images → Camera**.
3. Tap the files that you want to copy to create a checkmark in the box next to the filename.
4. Tap the options icon in the top right corner of the display.
5. Select **Copy → SD memory card**.
6. Go to the folder on your SD card where you would like to copy to files to. For example, Pictures.
7. Tap **Paste here** in the top right corner of the display.
8. The files are copied to the folder.

Backing Up Media to your SD card

You can back up your pictures, videos, documents, and other media to your SD card.

1. From the Home screen, tap **(Apps) → (My Files)**.

Backing Up Internet Bookmarks to your Samsung Account

You can back up your Internet bookmarks by using your Samsung account. Only bookmarks you have added (non-default) can be backed up.

1. From the main **Settings** page, tap **Accounts** tab.
2. Navigate to the **My accounts** area and then tap **Add account** and select **Samsung account**.
3. Sign in to your Samsung account or tap **Create new account** if you don't have one yet. Follow the on-screen instructions.
4. From the Home screen, tap **(Apps) → (Internet)**.
5. From the webpage, tap **(Bookmarks)**.
6. Press **⌵** and then tap **Move to folder**.
7. Place a checkmark on those Bookmarks you want to back up, then tap **Done**.
8. Select a location or folder. The Bookmarks that you moved are now listed under the Samsung account heading in your Bookmark list.

9. When you get a new phone, update your software, or reset your device, sign in to your Samsung account and the backed up bookmarks will be displayed on your Bookmarks page under the Samsung account heading.

Backing Up Settings to Google

You can use your Google account to back up apps, Wi-Fi passwords, and other data.

1. From the Home screen, tap **(Apps) → (Gmail)**.
2. Tap **Existing** if you have a Google account. The Inbox loads conversations and email.
– or –
Tap **New** if you do not have a Google account.
3. Confirm that immediately after signing in to your Google account, the Google services screen is displayed.
4. From within the Google services screen, tap the checkbox within the **Backup** area.
5. From the Home screen, press **⌵** and then tap **Settings → (Accounts tab) → Backup and reset**.

6. Tap **Back up my data** to create a checkmark. This will back up your app data, Wi-Fi passwords, and other settings.
7. Your Google account should be listed under the **Backup account** option. If not, Tap **Backup account → Add account** and sign into your Google account.
8. Tap the checkbox next to **Automatic restore** to create a checkmark. This will restore the settings that were backed up when you re-install an application.

Factory Data Reset

From this menu you can reset your device and sound settings to the factory default settings.

1. From the main **Settings** page, tap **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.

Collect Diagnostics

This feature only collects diagnostic data for troubleshooting use.

1. From the main **Settings** page, tap **Accounts** tab → **Backup and reset** → **Collect diagnostics**.
2. Read the on-screen System Manager Application information.

Note: This software collects only diagnostic data from your device so that T-Mobile technicians can better troubleshoot issues with your device.

3. Choose to enable or disable the feature by placing a check mark in the **Allow diagnostics to be collected** field.
4. Select either **More info** (to read additional information) or **Close** to close the message screen.

Important! Selecting **Close** only closes the current description screen and does not disable data collection. To disable data collection, go to **Settings → Accounts tab → Back up and reset → Collect diagnostics** and turn off the **Allow diagnostics to be collected** feature.

Location Services

The Location services allows you to configure the device's location services.

Important! The more location determining functions are enabled, the more accurate the determination will be of your position.

1. From the Home screen, press  and then tap **Settings → (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.

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.

Enabling My Places

1. From the main **Settings** page, tap **More** tab → **Location services**.
2. Tap **My places** to enable the storage of your favorite locations.

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 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.

Tip: Make sure your battery is charged more than 80 percent. Encryption may take an hour or more.

Setting up SIM Card Lock

Prevent another user from using your SIM card to make unauthorized calls or from accessing information stored on your SIM card by protecting the information using a PIN code. When enabled, your phone will ask for a PIN number each time you use the phone. Using this option you can also change your SIM PIN number.

1. From the main **Settings** page, tap **More** tab → **Security**.
2. Tap **Set up SIM card lock**.
3. Tap **Lock SIM card**, enter your SIM PIN code, then tap **OK**.

Note: You must activate Lock SIM card before you can change your SIM PIN code.

To change an existing SIM Card PIN:

1. Tap **Change SIM PIN**.
2. Enter the old SIM PIN code and tap **OK**.
3. Enter the new SIM PIN code and tap **OK**.

4. Re-type the new SIM PIN code and tap **OK**.

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 activate this feature.

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 activate this feature.

Note: Enabling this feature can prevent installation of some applications from the Play Store.

Change Security Level

Allows you to change the current security level so that threats that meet the selected criteria are blocked.

1. From the main **Settings** page, tap **More** tab → **Security**.
2. Tap **Change security level** and select an available option:
 - **High**: blocks all unauthenticated actions
 - **Normal**: blocks explicit threats.

Security Update Service

These options allow you to configure the way in which the device checks for changes in available security policies and the method used for the update.

1. From the main **Settings** page, tap **More** tab → **Security**.
2. Tap **Auto update security** to automatically check for changes to the security policy and then download any updates automatically in order to improve security and service.
3. Tap **Via Wi-Fi only** to only update the security policy automatically once the device is connected to an active Wi-Fi network.

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.

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 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**, **Turn off**, **Clear data**, **Clear cache**, or **Clear defaults**.

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.

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.

Important! Stopping a process might have undesirable consequences on the application.

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.

1. From the Home screen, press  and then tap **Settings** → (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 tab) → **Storage**.

The available memory displays under the Total space 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.

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 tab) → **Date and time**.
2. Tap **Automatic date and time** to allow the network set the date and time.

Important! Deactivate **Automatic date and time** to manually set the rest of the options.

3. Tap **Set date** and use the plus or minus icons to set the **Month**, **Day**, and **Year** then tap **Set**.
4. Tap **Set time** and use the plus or minus 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 **Settings** and then tap **Settings** → **(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 connection, Signal strength, Mobile network type, Service state, Roaming status, Mobile network state, My phone number, IMEI number, IMEISV, IP address, Wi-Fi MAC address, Bluetooth address, Serial number, Up time, and Device status.

- **Legal information:** This option displays information about Open source licences, Google legal information, as well as License settings. 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 **OK** 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.

Note: Firmware, baseband, kernel and build numbers are usually used for updates to the handset or support. For additional information please contact your T-Mobile service representative.

- **SELinux status:** displays the status of SELinux. SELinux is a set of security policies/modules which is applied to the device to improve the overall security.
- **Secure boot status:** displays the type used for the boot status.

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.

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 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' T-Mobile 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.
 - Software updates can include bug fixes, enhancements to services, to the device or currently installed software.

Section 11: Health and Safety Information

This device is capable of operating in Wi-Fi™ mode in the 2.4 and 5 GHz bands. The FCC requires that devices operating within 5.15-5.25 GHz may only be used indoors, not outside, in order to avoid interference with Mobile Satellite Services (MSS). Therefore, this device is restricted from being used outdoors when operating in frequencies between 5.15-5.25 GHz.

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:

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.

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.

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.

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.

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.

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.

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>.

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.

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 1.0cm 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: A3LSMG900T [Model Number: SM-G900T] 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>.

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.

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.

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.

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.
- **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.

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 non-Samsung-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.**

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/>.

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:

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".

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.

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.

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:

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.

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.

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 your 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.

You can obtain additional information on this subject from the following sources:

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

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#>.

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.

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

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.

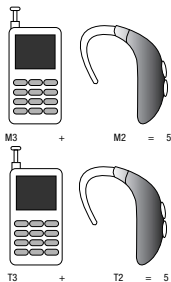
Hearing devices may also be rated. Your hearing aid manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise.

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.



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.

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.
- 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]

Section 12: Warranty Information

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

*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.

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.

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.

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.

SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE

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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.

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.

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

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.

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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With the “Automatic Update” function enabled (as in the default setting in the System Update menu in the Setting), your device downloads some Updates automatically from time to time. Your device will, however, ask for your consent before installing any Update. If you choose to disable the “Automatic Update” function, then you can check the availability of new Updates by clicking on the “Check Update” menu in the Setting. 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. (Regardless of the option you choose, the “Automatic Update” function downloads Updates only through Wi-Fi connection.)

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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 device 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 your use of the device or its preloaded Software, and you will continue to enjoy the benefits of this license.

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