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SAMSUNG

SMARTPHONE

User Manual

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

Galaxy J7

FPO

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Note: Some multimedia (audio/video) files contain Digital Rights Management (DRM) technology to verify you have the right to use the files. Preloaded apps on your device may not be compatible with DRM-protected files.

Note: Screen images are simulated. Appearance of device may vary.

Do you have questions about your Samsung Mobile Device?

For 24 hour information and assistance, we offer a new FAQ/ARS System (Automated Response System) at:
samsung.com/us/support

The actual available capacity of the internal memory is less than the specified capacity because the operating system and default applications occupy part of the memory. The available capacity may change when you upgrade the device.

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Important legal information can be accessed in writing on the mobile device or at samsung.com

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Full written terms and detailed information about the warranty and obtaining service are available on the device at: **Settings** > **About device** > **Legal information** > **Samsung legal** or you may access the online version of the Health/Safety and Warranty guide for your device at:

English
samsung.com/us/Legal/Phone-HSGuide

Spanish
samsung.com/us/Legal/Phone-HSGuide-SP

The online version of the **End User License Agreement (EULA)** for your device can be found online at: samsung.com/us/Legal/SamsungLegal-EULA4

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Getting Started

Learn about your mobile device hardware, assembly procedures, and how to get started using your new device.

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Front View

1. **Earpiece**: Listen to a call.
2. **Proximity sensors**: Detect the presence of objects near the device.
3. **Front camera**: Take self-portraits and record videos of yourself.
4. **Power key**: Press and hold to turn the device on or off, restart it, or for quick access to Emergency mode. Press to lock or wake up the screen.
5. **Back**: Return to the previous screen, or close a dialog box, menu, or keyboard.
6. **Home key**: Return to the Home screen.
7. **Recent**: Tap to display recent apps.
8. **Volume keys**: Adjust the volume of your device's sounds and audio playback.
9. **Status light**: Display a light when the battery is charging or fully charged, when a notification arrives, or when recording voice.
10. **Microphone**: Record audio and detect voice commands.

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Back View

1. **Rear camera**: Take pictures and record videos.
2. **Flash**: Illuminate subjects in low-light environments when taking a photo or recording video.
3. **Microphone**: Record audio and detect voice commands.
4. **USB charger/Accessory port**: Connect the USB charger (included) and other optional accessories (not included).
5. **Headset jack**: Connect an optional headset.
6. **Speaker**: Play music and other sounds.

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Assemble Your Device

This section helps you to assemble your device.

Remove the Back Cover

1. Remove the back cover.

2. Lift the cover up and to the left of the device.

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Caution: When removing the back cover, use the slot next to the Volume key to gently lift the cover off. Pulling on the Speaker (located next to Power button) may cause damage.

Warning: Do not bend or twist the back cover excessively. Using excessive force on the cover during removal or installation of an internal component can cause the material to break.

Install the SIM Card

When you subscribe to a cellular network, you are provided with a plug-in SIM card. During activation, your SIM card is loaded with your subscription details, such as your Personal Identification Number (PIN), available optional services, and other features.

Warning: Please be careful when handling the SIM card to avoid damaging it. Keep all SIM cards out of reach of small children.

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► Carefully slide the SIM card into the SIM card slot.

- Make sure that the card's gold contacts face down into the device and that the card is positioned as shown.

Caution: If the SIM card is not inserted correctly, the device cannot detect it. Reorient the SIM card and place it back into the slot if it isnot detected.

Install a Memory Card

You can also install an optional microSD™, microSDHC™, or microSDXC™ memory card (not included) to add more memory space to your device.

Note: A memory card can be installed at any time. It is not necessary to install it prior to using the device.

1. Remove the back cover. For more information, see "Remove the Back Cover" on page 4.
2. Slide the memory card into the slot with the gold contacts facingdown.

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3. Replace the back cover. For more information, see "Replace the Back Cover" on page 7.

Install the Battery

The battery is installed in the back of the device.

1. Insert the battery into the opening on the back of the device, making sure the connectors align.

2. Gently press down to secure the battery.

Replace the Back Cover

The back cover should be replaced before using the device.

1. Place the back cover onto the back of the device and press down.

2. Press along the edge of the back cover until you have a secure seal.

•

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Charge the Battery

Your device is powered by a rechargeable, standard Li-Ion battery. A USB charger (charging head and USB cable) is included with the device, for charging the battery from any standard outlet.

The battery comes partially charged. You can use the device while charging.

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

Caution: Use only charging devices and batteries that are approved by Samsung. Samsung accessories are designed for your device to maximize battery life. Using other accessories may invalidate your warranty and may cause damage.

1. Insert the USB cable into the USB charger/ Accessory port.

2. Connect the USB cable to the charging head, and then plug the charging head into a standard outlet.
3. Unplug the charging head from the outlet and remove the USB cable from the device when charging is complete.

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When to Charge the Battery

When the battery is low and only a few minutes of operation remain, the device sounds a warning tone at regular intervals.

In this condition, your device conserves its remaining battery power by dimming the screen.

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

For a quick check of your battery level:

► View the battery charge indicator located in the top right corner of your device's display. A solid color ( ) indicates a full charge.

You can also choose to display a percentage value. Viewing a percentage value can provide a better idea of the remaining charge on the battery. For more information, see "Wallpapers and Themes" on page 122.

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Set Up Your Device

Turn Your Device On or Off

The instructions below explain how to turn your device on or off.

Turn the Device On

To turn the device on:

► Press and hold the **Power** key until the device turns on.

Turn the Device Off

To turn the device off:

1. Press and hold the **Power** key until the Device options menu is displayed.
2. Tap **Power off**, and confirm if prompted.

Restart the Device

If your device stops responding to taps or finger gestures and you are unable to turn it off, you can restart your device.

► Press and hold the **Power** key and the **Volume down** key at the same time for more than seven seconds.

Initial Set Up

The first time you turn your device on, a Welcome screen is displayed. It guides you through the basics of setting up your device.

Follow the prompts to choose a default language, connect to a Wi-Fi® network, set up accounts, choose location services, learn about your device's features, and more.

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Note: Voice Assistant provides voice prompts and descriptions of items on the screen to improve accessibility. During setup, you can enable or disable Voice Assistant by pressing the Home key quickly three times.

Secure Your Device

Use your device's screen lock features to secure your device.

Lock the Device

By default, the device locks automatically when the screen times out.

To lock the device:

► Press the **Power** key.

Unlock the Device

The default Screen lock on your device is Swipe.

Note: To choose a more secure screen lock, see "Set a Screen Lock" on page 133.

To unlock the device:

► Press the **Power** key or **Home** key, and then drag your finger across the screen.

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Set Up Accounts on Your Device

Samsung Account

Create a Samsung account for access to Samsung content and apps on your device. When you turn on your device for the first time, set up your existing Samsung account or create a new Samsung account.

– or –

To create a new Samsung account or set up your Samsung account on your device at any time, use Accounts settings. For more information, see "Accounts" on page 141.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Cloud and accounts** > **Accounts**.
3. Tap **Add account** > **Samsung account**.

Google Account

Your new device uses your Google™ Account to fully utilize its Android™ features, including Gmail™, Google Hangouts™, and the Google Play™ store.

When you turn on your device for the first time, set up your existing Google Account or create a new Google Account.

– or –

To create a new Google Account or set up your Google Account on your device at any time, use Accounts settings. For more information, see "Accounts" on page 141.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Cloud and accounts** > **Accounts**.
3. Tap **Add account** > **Google**.

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Factory Reset Protection

When you sign in to a Google Account on your device, Factory Reset Protection is turned on. Factory Reset Protection (FRP) prevents other people from using your device if it is reset to factory settings without your permission. For example, if your device is lost or stolen and a factory data reset is performed, only someone with your Google Account username and password can use the device.

You will not be able to access the device after a factory data reset if you do not have your Google Account username and password. For more information, see "Language and Input" on page 148.

Caution: You should remove your Google Account before shipping your device to Samsung or any other service provider for service and before resetting the device to factory settings.

Enable Factory Reset Protection

Adding a Google Account to your device automatically turns on the Factory Reset Protection (FRP) security feature. For more information, see google.com.

Disable Factory Reset Protection

To disable FRP, remove all Google Accounts from the device.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Cloud and accounts** > **Accounts** > **Google**.
   - If you have more than one Google Account set up on your device, tap the Google Account you want to remove.
3. Tap **More options** > **Remove account**. Confirm when prompted.

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Know Your Device

Learn some of the key features of your mobile device, including the screens and icons, as well as how to navigate the device and enter text using the keyboard.

Warning: Please note that a touch screen responds best to a light touch from the pad of your finger or a capacitive stylus. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty.

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Home Screen

1. **Status bar**: Displays device status icons (right) and notification icons (left). For more information, see "Status Bar" on page 20.
2. **App folder**: Groups multiple apps into a folder.
3. **Apps list**: Allows quick access to all of your applications.
4. **Primary app shortcuts**: Displays these shortcuts on all Home screens.
5. **Home screen indicator**: Indicates which Home screen is currently visible.
6. **App shortcuts**: Launches your favorite applications.
7. **Widget**: Runs as a simple application extension (not a shortcut) on a Home screen.

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Customize the Home Screen

Customize your Home screens by adding application shortcuts, widgets, and folders, and using wallpapers.

To access Home screen manager:

► From a Home screen, pinch the screen.

– or –

Touch and hold an empty space on the screen.

Manage Home Screens

Your device comes with multiple Home screens to hold app shortcuts and widgets. You can add, remove, change the order of screens, as well as choose a different main Home screen.

1. From a Home screen, pinch the screen.
2. Use these options to manage screens:
   - **Add a screen**: Swipe to the end of the screens, and then tap **Add**.
   - **Remove a screen**: Touch and hold a screen, and then drag it to **Remove**.
   - **Set a screen as the main Home screen**: Tap **Main Home screen** at the top of a screen. This screen is displayed when you press the **Home** key.
   - **Change the order of screens**: Touch and hold a screen, and then drag it to a new position.

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Wallpapers and Themes

Set visual themes for all system screens and icons on your device. Change the look of the Home and Lock screens with wallpaper. You can display a favorite picture or choose from preloaded wallpapers.

1. From a Home screen, pinch the screen.
2. Tap **Wallpapers and themes** to customize.

For more information, see "Wallpapers and Themes" on page 122.

Widgets

Widgets are simple application extensions that run on a Home screen. There are many kinds of widgets, including links to a specific contact, Internet bookmarks, Gmail and email accounts, and many others.

Add a Widget to a Home Screen

You can add a widget to a Home screen.

1. From a Home screen, pinch the screen.
2. Tap **Widgets**.
3. Touch and hold a widget, drag it to a Home screen, and release it.

Remove a Widget

You can remove a widget that you added to a Home screen.

1. From a Home screen, touch and hold a widget to release it.
2. Drag the widget to **Remove** and release it.

Note: Removing a widget does not delete the widget, it just removes the widget from the Home screen.

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Screen Grid

Change the number of icons that can be placed on each Home screen by changing the Screen grid dimensions.

1. From a Home screen, pinch the screen.
2. Tap **Screen grid**.
3. Tap a dimension option (**4 x 4**, **4 x 5**, or **5 x 5**) to preview its appearance. The numbers indicate how many icons can be placed horizontally by how many icons can be placed vertically.
4. Tap **Apply** to apply the selected dimensions.

App Shortcuts

You can use app shortcuts to launch an app from any Home screen.

Add a Shortcut to a Home Screen

You can add a shortcut to a Home screen.

1. From a Home screen, tap **Apps**.
2. Touch and hold an app shortcut, drag it to a Home screen, and then release it.

Remove a Shortcut

You can remove a shortcut that you added to a Home screen.

1. Touch and hold an app shortcut to release it.
2. Drag the app shortcut to **Remove** and release it.

Note: Removing a shortcut does not delete the app, it just removes the shortcut from the Home screen.

Move a Shortcut

You can move a shortcut from one Home screen to another.

1. Touch and hold an app shortcut to release it.
2. Drag the app shortcut to **Move apps** and release it.
3. Swipe to a new Home screen.
4. Tap the shortcut to place it in the next available location, or drag it to a specific location and release it.

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Folders

Place folders on a Home screen to organize items.

Create a Folder

You can create an app folder on a Home screen.

1. From a Home screen, touch and hold an app shortcut and drag it on top of another app shortcut until a highlighted box appears.
2. Release the app shortcut to create the folder.
   - **Enter folder name**: Enter a name for the folder.
   - **Palette**: Change the color.
   - **Add**: Place more apps in the folder. Tap apps to select them, and then tap **Add**.
3. Tap anywhere outside of the folder to close it.
   - To add more apps, touch and hold an app shortcut and drag it to the folder.

Remove a Folder from a Home Screen

You can remove a folder that you added to a Home screen.

1. Touch and hold the folder until it detaches.
2. Drag the folder to **Remove** and release it. Confirm when prompted.

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Status Bar

The Status bar at the top of the Home screen provides device information (such as network status, battery charge, and time) on the right side and notification alerts on the left.

Status Icons

	Battery full: Battery is fully charged.
	Battery low: Battery is low.
	Battery charging: Battery is charging.
	Vibrate mode: Vibrate mode is enabled.
	Mute mode: Mute mode is enabled.

LTE	**4G LTE active**: The device is connected to a 4G LTE™ wireless network.
	Signal strength: Cellular network signal strength.
	Network not available: No wireless network is available.
	Wi-Fi active: Wi-Fi is active.
	Wi-Fi available: A Wi-Fi network is available.

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Notification Icons

	Missed call: A call has been missed.
	Call in progress: A call is in progress.
	Call on hold: A call is on hold.
	New email: New email has arrived.
	New Gmail: New Gmail has arrived.
	New voicemail: New voicemail message has been received.
	New message: New text or multimedia message has arrived.
	File download in progress: Download of a file or app is in progress.
	File upload in progress: File is being uploaded or sent.
	GPS active: Location service (GPS) is active and acquiring a signal.
	App updates available: App updates are available from the Google Play store.
	App updates complete: App installation or updates are complete.

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Navigation

Learn the basics for how to navigate through your device.

Touchscreen Navigation

Use the following motions and gestures on your touchscreen to navigate the device.

Tap

Lightly tap items to select or launch them.

- Tap the keyboard to enter characters or text.
- Tap an item to select it.
- Tap an app shortcut to launch the application.

Touch and Hold

Touch and hold items on the screen to activate them.

- Touch and hold a widget on a Home screen to move it.
- Touch and hold a field to display a pop-up menu of options.

Swipe

Lightly drag your finger vertically or horizontally across the screen.

- Swipe the screen to unlock the device.
- Swipe the screen to scroll through the Home screens or menu options.

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Drag

Touch and hold an item, and then move it to a new location.

- Drag an app shortcut to add it to a Home screen.
- Drag a widget to place it in a new location on a Home screen.

Pinch and Spread

Pinch the screen using your thumb and forefinger or spread by moving your fingers apart.

- Pinch the screen to zoom out while viewing a picture or a web page.
- Spread your fingers on the screen to zoom in while viewing a picture or a web page.

Common Options

The device uses basic command options to perform common actions.

- **More options**: Tap to view more menu options for a screen. This often allows you to select items to delete or share.
- **Delete**: Tap to select items to delete.
- **Share**: Tap to select items to share, and then choose a sharing method.
- **Edit**: Tap to customize the screen.
- **On/Off**: Tap to turn the option on ( ) or off ( ).
- **Checkbox**: Tap to enable or select. When enabled, a checkmark is displayed. You can often tap a checkbox at the top of the screen to select all.
- **Menu**: Tap to view available options for the field.

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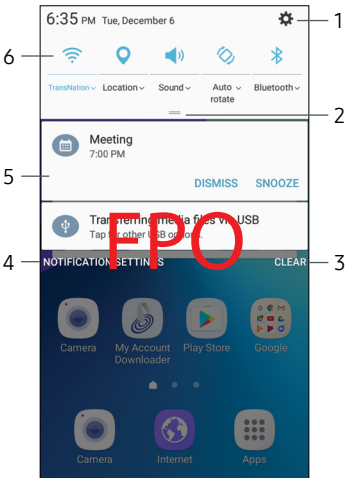
Notification Panel



1. **Settings**: Display the Settings screen.
2. **View all**: See all available Quick settings, adjust screen brightness, and more.
3. **Clear**: Clear all notifications.
4. **Notification settings**: Enable or disable notifications from each app. For more information, see "Notifications" on page 117.
5. **Notification card**: View details about a notification.
6. **Quick settings**: Quickly enable or disable a feature.

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View the Notification Panel

You can access the Notification panel from any Home screen.

1. Drag the Status bar down to display the Notification panel.
2. Swipe down the list to see notification details.
   - To open an item, tap it.
   - To clear a single notification, drag the notification left or right.
   - To clear all notifications, tap **Clear**.
3. Drag upward from the bottom of the screen or tap **Back** to close the Notification panel.

Quick Settings

In addition to notifications, the Notification panel also provides quick access to device functions such as Wi-Fi, allowing you to quickly turn them on or off.

To view additional Quick settings and customize the Quick settings that display:

1. Drag the Status bar down to display the Notification panel.
2. Drag **View all** downward.
3. Tap a setting to turn it on or off.
4. Touch and hold a setting to edit the quick settings panel.
5. Tap **Done** when finished.

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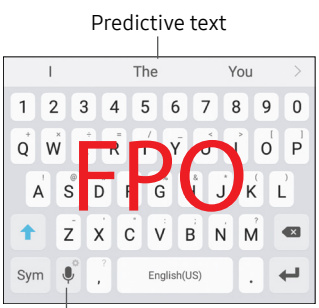
Enter Text

Text can be entered using a keyboard or by speaking.

Use the Samsung Keyboard

Enter text using a QWERTY keyboard.



Special Keys

Sym	**Symbol**: Tap to insert symbols.

Touch and hold **Options** for the following:

	Voice input: Enter text using Google Voice™ typing.
	Emoticon: Insert an emoticon at the cursor position.
	Keyboard settings: Access keyboard settings.

Note: Available options depend on the app in use. Not all options are available for all apps.

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Predictive Text

Predictive text suggests words that match your text entries, and can automatically complete common words. Predictive text can learn your personal writing style from your contacts, messages, email, and social networking sites — improving the accuracy of predicting text entries.

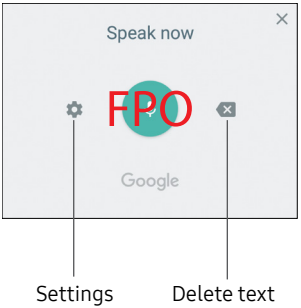
Configure the Samsung Keyboard

To customize the Samsung keyboard:

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **General management** > **Language and input** > **Samsung keyboard** for options.
3. For more information, see "Secure Folder" on page 135.

Use Google Voice Typing

Instead of typing, enter text by speaking.



To enable Google voice typing:

1. Tap **Voice input** on the Samsung keyboard.
   - You may need to touch and hold **Options** (left of the Space bar) to find it.
2. Speak your text.

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Note: Tap **Settings** > **Languages** to download additional languages for use with Google voice typing.

Configure Google Voice Typing

To customize Google voice typing:

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **General management** > **Language and input** > **Google voice typing** for options.

For more information, see "Google Voice Typing" on page 149.

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Calling

Make telephone calls using a variety of calling features and services.

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Phone Screen

1. **More options**: Access Speed dial and Call settings.
2. **Hide the keypad**: Hide the keypad and display recent calls.
3. **Call**: Make a call.
4. **Voice command**: Say the number you want to dial.
5. **Keypad**: Dial the number that you want to call.
6. **Voicemail**: Set up and check your voicemail. For more information, see "Set Up and Access Voicemail" on page 41.
7. **Tabs**: Display a log of all dialed, received, and missed calls. Display your contacts and select a contact to call.

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Access Phone

There are a couple of ways to access Phone.

► From a Home screen, tap **Phone**.

– or –

From a Home screen, tap **Apps** > **Phone**.

Display Your Phone Number

Your phone number can be found in Settings.

► From a Home screen, tap **Apps** > **Settings** > **About device** > **Status** > **SIM card status**.

- Your phone number is displayed in the My phone number field.

Call Settings

To access the Call settings menu:

► From a Home screen, tap **Phone** > **More options** > **Settings**.

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Make and Answer Calls

Learn how to make or answer a call. Explore features and functionality associated with making or answering a call.

Make a Call

You can make a call from a Home screen.

1. From a Home screen, tap **Phone**.
2. Enter a number on the keypad and tap **Call**.
   - Tap **Keypad** if the keypad is not displayed.

Dial a Number from Your Contacts List

You can quickly dial a phone number from your Contacts list.

1. From a Home screen, tap **Apps** > **Contacts**.

   – or –

   From a Home screen, tap **Phone** > **Contacts**.
2. Swipe your finger across a contact to the right to call the contact.

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Dial a Recent Number

All incoming, outgoing, and missed calls are recorded in the Call log. If the number or caller is listed in your contacts list, the associated name is also displayed.

1. From a Home screen, tap **Phone**.
2. Tap **Recents**. A list of recent calls is displayed.
3. Tap a contact, and then tap **Call**.

Answer a Call

When a call is received, the phone rings and the caller's phone number or name is displayed, if it is stored in the Contacts list.

► At the incoming call screen:

- Drag **Answer** to the right to answer the call.
- Drag **Decline** to the left to reject the call and send it to your voicemail.
- Drag **Send message** upward and select a message.

If you are using an app, a pop-up screen is displayed for the incoming call.

► On the incoming call pop-up screen:

- Tap **Answer** to answer the call.
- Tap **Decline** to reject the call and send it to your voicemail.
- Tap **Send message** and select a message.

End a Call

To finish your call:

► Tap **End** when you are ready to end your call.

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Multitask While on a Call

If you exit the call screen and return to a Home screen, your active call is indicated by **Call** on the Status bar.

This lets you continue with your current call and do something else, such as access the contacts list, view a recent email, or locate a picture.

To return to the call screen:

► Drag the Status bar down to display the Notification panel, and then tap **Call notification**.

To end a call from any application:

► Drag the Status bar down to display the Notification panel, and then tap **End call**.

Options During a Call

Your phone provides several options that you can use during a call.

Adjust the Call Volume

► Press the **Volume** keys to increase or decrease the volume.

– or –

Tap **Extra volume** to quickly add more volume to the incoming audio.

Listen with the Speaker or Bluetooth Headset

Listen to the call using the speaker or through a Bluetooth headset (not included).

► Tap **Speaker** to hear the caller using the speaker.

– or –

Tap **Bluetooth** to hear the caller using a Bluetooth headset.

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Place a New Call While on a Call

If your service plan supports this feature, you can make another call while a call is in progress.

1. From the active call, tap + **Add call** to dial the second call.
2. Dial the new number and tap **Call**. When the call is answered:
   - Tap **On hold** to switch between the two calls.
   - Tap **Merge** to hear both callers at once (multi-conferencing).

Call Log

The numbers of the calls you have dialed, received, or missed are stored in the Call log.

1. From a Home screen, tap **Phone**.
2. Tap **Recents**. A list of recent calls is displayed. If the caller is in your Contacts list, the caller's name is displayed.

Save a Recent Call to Your Contacts List

Use recent call information to create a contact or update your Contacts list.

1. From a Home screen, tap **Phone**.
2. Tap **Recents**.
3. Tap the call that contains the information that you want to save to your Contacts list.
4. Tap **Details**.
5. Tap **Create contact**.

   – or –

   If you want to replace the number for an existing contact, tap **Update existing**.

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Delete a Call from the Call Log

To delete Call log entries:

1. From a Home screen, tap **Phone**.
2. Tap **Recents**.
3. Touch and hold the call you want to delete from the Call log.
4. Tap **Delete**.

Block a Number

By adding a caller to your Block list, future calls from this number are sent directly to your voicemail, and messages are not received.

1. From a Home screen, tap **Phone**.
2. Tap **Recents**.
3. Tap the caller you want to add to the Block list.
4. Tap **Details** > **More options** > **Block number**. Confirm when prompted.

You can also modify the Block list in Settings:

► From a Home screen, tap **Phone** > **More options** > **Settings** > **Block numbers**.

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Speed Dial

You can assign a shortcut number to a contact for speed dialing their default number.

Create a Speed Dial

You can assign 999 speed dial numbers.

1. From a Home screen, tap **Phone**.
   - Tap **Keypad** if the keypad is not displayed.
2. Tap **More options** > **Speed dial**. The Speed dial screen displays the reserved speed dial numbers.
3. Tap an unassigned number.
   - Tap **Menu** to select a different Speed dial number than the next one in sequence.
   - Number 1 is reserved for Voicemail.
4. Type in a name or number, or tap **Add from Contacts** to assign a contact to the number.
   - The selected contact is displayed in the Speed dial number box.

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Use Speed Dial to Make a Call

You can make a call using Speed dial.

1. From a Home screen, tap **Phone**.
   - Tap **Keypad** if the keypad is not displayed.
2. Touch and hold the Speed dial number.
   - If the Speed dial number is more than one digit long, enter the first digits, and then hold the last digit.

Remove a Speed Dial Number Assignment

You can remove an assigned Speed dial number.

1. From a Home screen, tap **Phone**.
2. Tap **More options** > **Speed dial**.
3. Find the contact to remove from Speed dial.
4. Tap **Remove**.

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Emergency Calls

You can dial the emergency telephone number in your region regardless of the phone's cellular service status.

Make an Emergency Call

You can dial the emergency telephone number from your phone whether or not cellular service has been activated. If your phone is not activated, you can only make an emergency call.

1. From a Home screen, tap **Phone**.
2. Enter the emergency telephone number (911 in North America) and tap **Call**.
3. Complete your call. During this type of call, you have access to most in-call features.

Call Emergency Services from a Locked Screen

The emergency telephone number can be dialed even if the phone is locked, allowing anyone to use your phone to call for help in an emergency. When accessed from a locked screen, only the emergency calling feature is accessible to the caller. The rest of the phone remains secured.

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Swipe Lock Screen

If the Lock screen is set to Swipe, you can access the call screen in a couple of ways.

1. Drag **Phone** upward to open the call screen.

   - or -

   Swipe across the screen to unlock it, and then tap **Phone**.

2. Enter the emergency telephone number (911 in North America) and tap **Call**.
3. Complete your call. During this type of call, you have access to most in-call features.

Secure Lock Screens

You can make calls even if your phone has a secure lock screen.

1. Drag **Phone** upward to open the call screen.
2. Tap **Emergency call** to display the Emergency dialer.
3. Enter the emergency telephone number (911 in North America) and tap **Call**.
4. Complete your call. During this type of call, you have access to most in-call features.

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Set Up and Access Voicemail

Set up and configure your voicemail.

Set Up Your Voicemail

You can access your voicemail from a Home screen.

1. From the Home screen, tap **Apps** > **Voice Mail**.
2. Follow the tutorial to create a password, record a greeting, and record your name.

Note: These steps may be different depending on your network.

Access Your Voicemail

You can access your voicemail from a Home screen.

1. From the Home screen, tap **Apps** > **Voice Mail**.
   - You may be prompted to enter a password.
2. Follow the voice prompts from the voicemail center.

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Access Your Voicemail from Another Phone

You can access your voicemail from another phone.

1. From another phone, dial your wireless phone number. Wait until you hear your voicemail greeting.
2. Press the **asterisk** or **star** (*) key on the phone you are using.
3. Enter your password and you are connected to your voicemail.

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Applications

Learn how to change the way apps are displayed, organize apps into folders, and uninstall or disable apps.

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Apps List

The Apps list displays all preloaded apps and apps that you downloaded. You can uninstall, disable, or hide apps from view.

Shortcuts to apps can be placed on any of the Home screens. For more information, see "Add a Shortcut to a Home Screen" on page 18.

Access Apps

You can access and launch all applications from the Apps list.

1. From a Home screen, tap **Apps**.
2. Tap an app's shortcut to launch it.
   - To return to the main Home screen, press the **Home** key.

Download and Install New Apps

Find new apps to download and install on your device.

- **Play Store**: Download new apps from the Google Play store. Visit play.google.com/store/apps to learn more.
- **Galaxy Apps**: View and download Samsung apps that are optimized for use with Galaxy devices. Visit samsung.com/levant/apps/mobile/galaxyapps to learn more.

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Uninstall or Disable Apps

You can uninstall or disable apps you download and install.

- Preloaded apps cannot be uninstalled.
- Apps that are disabled are turned off and hidden from view.

To uninstall or disable an app:

1. From a Home screen, tap **Apps**.
2. Tap **Edit**. Apps that can be uninstalled or disabled display **Uninstall/disable** on their shortcut.
3. Tap **Uninstall/disable** and follow the prompts to either uninstall or disable the app.
4. Tap **Done** when finished.

To enable apps after disabling them:

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Applications**.
3. Tap **Menu** > **Disabled**, and then tap the app you want to enable.
4. Tap **Enable**. The app is displayed again in the Apps list.

Search for Apps

To locate an app in your Apps list:

1. From a Home screen, tap **Apps**.
2. Tap **Search**.
   - Enter a word or words in the **Search** field. As you type, apps that match display on the screen.
   - Tap an entry to launch that app.

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Organize Your Apps

App shortcuts can be listed alphabetically or in your own custom order.

To change the order apps are listed:

1. From a Home screen, tap **Apps** > **Edit**.
2. Touch and hold an app shortcut or folder, and then drag it to a new location.
3. Tap **Done** when finished.

To alphabetize your apps:

1. From a Home screen, tap **Apps** > **A-Z**.
2. Tap **Save**.

Use Folders to Organize Apps

You can organize App shortcuts in a folder on an Apps list screen.

1. From a Home screen, tap **Apps** > **Edit**.
2. Touch and hold an app shortcut, and then drag it on top of another app shortcut until a highlighted box is displayed.
3. Release the app shortcut to create the folder.
   - **Enter folder name**: Name the folder.
   - **Palette**: Change the folder color.
   - **Add**: Place more apps in the folder. Tap apps to select them, and then tap **Add**.
4. Tap anywhere outside of the folder to close it.
   - To add more apps, touch and hold an app shortcut and drag it to the folder.
5. Tap **Done** when finished.

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To launch apps in a folder:

► Tap a folder, and then tap an app shortcut to launch it.

To delete a folder:

1. From a Home screen, tap **Apps** > **Edit**.
2. Tap the folder to delete, and then tap **Delete folder**. Confirm when prompted.
3. Tap **Done** when finished.

Add a Folder to a Home Screen

To add a folder to a Home screen:

1. From a Home screen, tap **Apps**.
2. Touch and hold a folder, drag it to a Home screen, and then release it.

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Google Apps

Enjoy these apps from Google.

Note: Certain apps require a Google Account. Visit google.com to learn more.

Chrome

Browse the Internet and bring your open tabs, bookmarks and address bar data from your computer to your mobile device.

Visit google.com/chrome/browser/mobile to learn more about Chrome™.

Drive

Open, view, rename, and share your Google Docs™ and files.

Visit drive.google.com to learn more about Google Drive™.

Duo

Duo is a one-to-one video calling app for everyone. It is designed to be simple, reliable, and fun so you never miss a moment.

Gmail

Send and receive email with Gmail, Google's web-based email service.

Visit gmail.com to learn more.

Google

Search not only the Internet, but also the apps and contents of your device.

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Maps

Find your current location and get directions and other location-based information.

Visit google.com/maps to learn more.

Note: You must enable location services to use Google Maps. For more information, see "Location Services" on page 109.

Photos

Automatically backs up your photos and videos to your Google Account.

Visit photos.google.com to learn more about Google Photos™.

Play Movies & TV

Watch movies and TV shows purchased from Google Play. You can stream them instantly or download them for viewing when you are not connected to the Internet. You can also view videos saved on your device.

Visit play.google.com/store/movies to learn more.

Play Music

Play music and audio files on your device.

Visit play.google.com/music to learn more.

Play Store

Find new apps, movies and TV shows, music, books, magazines, and games in Google Play store.

Visit play.google.com/store to learn more.

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YouTube

View and upload YouTube™ videos right from your device.

Visit youtube.com to learn more.

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Verizon Apps

Enjoy these apps from Verizon Wireless.

Note: Certain apps require a data plan or paid subscription. Visit verizonwireless.com to learn more or contact your service provider for additional information.

Caller Name ID

Subscribe to Caller Name ID to identify unknown callers by name, picture, city, and state.

Note: Caller Name ID requires a subscription.

Message+

Send text messages at a whole new level. Draw on pictures, share locations in real time, send audio messages, and much more.

My Verizon Mobile

View details and manage your Verizon Wireless account.

Note: No airtime or minute charges apply when accessing My Verizon Mobile.

Voice Mail

Retrieve messages left by unanswered calls.

VZ Navigator

Find, share, and navigate to millions of locations, avoid traffic and drive, or walk with ease.

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Additional Apps

There are additional apps, including several Samsung apps, preloaded on your device.

1Weather

1Weather lets you receive real-time local weather information at any location in the world. Access 7-day and hourly weather forecasts for your area.

AppFinder

AppFinder helps you discover and enjoy great apps and games for your device.

Samsung+

Get live help, discover new features, and unlock promotions for your Samsung device.

Secure Folder

Lock your private content and apps to enhance security.

For more information, see "Secure Folder" on page 135.

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Calculator

The Calculator provides basic and advanced arithmetic functions.

Basic Operation

You can use your calculator to perform basic operations.

1. From a Home screen, tap **Apps** > **Calculator**.
2. Enter the first number using the numeric keys.
3. Tap the appropriate arithmetic function key.
4. Enter the next number.
5. Tap **Equals** to view the result.
6. Tap **Clear** to clear the results.

Additional Functions

You can perform additional functions on your calculator.

To clear the calculator history:

► Tap **History** > **Clear history**.

Tip: Tap **Keypad** to return to the calculator keys.

To copy all or part of the calculation to the clipboard:

► Touch and hold an entry in the display field, and then tap **Copy**.

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Scientific Calculator

The Calculator app also provides advanced arithmetic functions, such as *sin*, *cos*, and *tan*.

To use the Scientific calculator:

► If Auto rotate is enabled, turn the device to landscape.

– or –

If Portrait is enabled, tap **Rotate screen**.

Note: **Auto rotate** and **Portrait** are found in the Quick settings on the Notification panel. For more information, see "Notification Panel" on page 24.

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Calendar

Manage your events and tasks.

Calendar View

To choose a calendar view:

1. From a Home screen, tap **Apps** > **Calendar**.
2. Tap **View**, and then tap one of the following:
   - **Year**: Display all twelve months of this year. Swipe across the screen to display another year.
   - **Month**: Display the current month. Swipe across the screen to display another month. Events and tasks are also displayed.
   - **Week**: Display the current week. Swipe across the screen to display another week.
   - **Day**: Display today's schedule by hour. Swipe across the screen to display another day.
   - **Tasks**: Display all tasks.
3. Tap **Today** to return to the current date.

Create an Event

You can use your Calendar to create events.

1. From a Home screen, tap **Apps** > **Calendar**.
2. Tap **Create event or task** to add an event.
3. Enter details for the event, and then tap **Save**.

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Share an Event

You can share events you create from your Calendar.

1. From a Home screen, tap **Apps** > **Calendar**.
2. Tap an event to open it.
3. Tap **Share**, choose a sharing method, and follow the prompts.

Delete an Event

You can delete events you create from your Calendar.

1. From a Home screen, tap **Apps** > **Calendar**.
2. Tap an event to open it.
3. Tap **Delete**. Confirm when prompted.

Create a Task

You can use your Calendar to create tasks. Tasks are items you add to the calendar to be accomplished on a certain day. A task appears as a checklist item and is removed once you mark the task as complete.

1. From a Home screen, tap **Apps** > **Calendar**.
2. Tap **View** > **Tasks**.
3. Tap the **Enter new task** field to enter a new task.
4. You can choose to set the task for **Today**, **Tomorrow**, or tap **Set details** to set the following options:
   - **Set date**: Choose a date on the calendar for the task.
   - **My tasks**: Change the calendar on which the task is saved. You can change the task to an event by tapping **My calendars**.

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- **Reminder**: Set a reminder alert.
- **Notes**: Save a note with your task.
- **Priority**: Assign a priority to the task.

5. Tap **Save** to save the task.

Delete a Task

You can delete tasks you create from your Calendar.

1. From a Home screen, tap **Apps** > **Calendar**.
2. Tap a day on the calendar to view the tasks for the day, or tap **View** > **Tasks**.
3. Tap the **Checkbox** by the task to mark it as complete and remove it from the calendar.
   - To delete the task permanently, tap the task to open it, and then tap **Delete**. Confirm when prompted.

Calendar Settings

These settings allow you to modify settings associated with using the Calendar.

1. From a Home screen, tap **Apps** > **Calendar**.
2. Tap **More options** > **Settings**.
3. Tap an option and follow the prompts.

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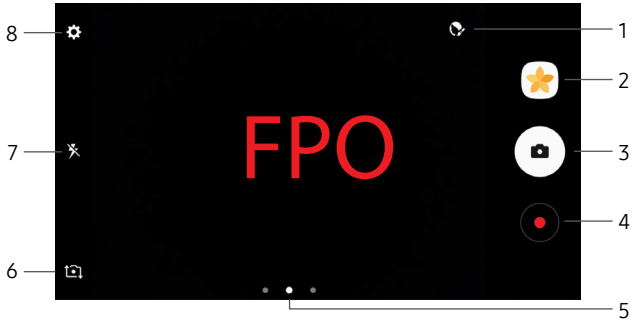
Camera and Video



1. **Beauty**: Take a picture with lightened faces for gentler images.
2. **Gallery**: Open the Gallery to view photos and videos.
3. **Take a picture**: Take a picture.
4. **Record video**: Record a video.
5. **Camera, Modes, or Effects**: Swipe right to change the shooting mode. Swipe left to add an effects filter.
6. **Switch cameras**: Switch between the rear and front cameras.
7. **Flash**: Activate or deactivate the flash.
8. **Settings**: Configure other camera settings.

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Take Pictures

Take pictures with your device's front or rear camera.

Note: Prior to using the camera, remove the plastic protective covering from the camera lens.

1. From a Home screen, tap **Apps** > **Camera**.
2. Using the display screen as a viewfinder, compose your shot by aiming the camera at the subject. While composing your picture, use the available options or these gestures:
   - To zoom in or out, touch the screen with two fingers and pinch or spread them on the screen.
   - To focus the shot, tap the screen. When you tap the screen, a brightness scale is displayed. Slide the light bulb up or down to adjust the brightness.
   - To add an effects filter, swipe to the left and tap a preview filter to apply it to the screen.
   - To add a shooting mode, swipe to the right and select a mode.
   - To quickly switch between the front and rear cameras, swipe the screen up or down.
   - To add a camera setting, tap a Quick settings icon or **Settings**.
3. Tap **Take a picture** to take the picture.

Note: You can also press the **Volume** key up or down to take a picture. This is the default action of the Volume key while the camera is active. You can also set the Volume key to act as the video record key or as a zoom key.

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Shooting Mode

Several visual effects are available. Some modes are not available when taking self-portraits.

1. From a Home screen, tap **Apps** > **Camera**.
2. Swipe to the right for the Mode options. Each section indicates which camera (front or rear) the modes are available for.

Rear camera

- **Auto**: Allow the camera to evaluate the surroundings and determine the ideal mode for the picture.
- **Pro**: Manually adjust the ISO sensitivity, exposure value, white balance, and color tone while taking pictures.
- **Panorama**: Create a linear image by taking pictures in either a horizontal or vertical direction.
- **Continuous shot**: Touch and hold the Camera button to take pictures continuously.
- **Sports**: Take clearer pictures of fast moving subjects.
- **Beauty face**: Take portrait pictures with an airbrushed effect.

Front camera

- **Selfie**: Take selfie shots and apply various effects, such as an airbrushed effect.
- **Wide selfie**: Take wide-angle selfie shots to fit more people into your pictures.

Common

- **Sound & shot**: Enrich your pictures by adding a few seconds of background sound.
- **More options**: See more options for the camera modes.

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Camera Settings

You can adjust your camera's settings using the icons on the main camera screen and the full camera settings menu.

1. From a Home screen, tap **Apps** > **Camera**.
2. Tap **Settings** to configure settings for the Camera. Available options vary depending on the camera or recording mode used.

Rear camera

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

Front camera

- **Picture size**: Select a resolution. Use higher resolution for higher quality. Higher resolution pictures take up more memory.
- **Video size**: Select a resolution. Use higher resolution for higher quality. Higher resolution videos take up more memory.
- **Save pictures as previewed**: Save the self-portrait or self-recording as viewed on the camera screen, not as flipped images.
- **Ways to take pictures**:
  - **Tap to take pictures**: Tap the screen to take selfies.
  - **Gesture control**: Detect your palm and automatically take a picture two seconds later.

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Common (both cameras)

- **Timer**: Take time-delayed pictures or videos.
- **Grid lines**: Display viewfinder grid lines to help composition when selecting subjects.
- **Location tags**: Attach a GPS location tag to the picture.
- **Review pictures**: Set to show pictures after taking them.
- **Quick launch**: Open camera by pressing the **Home** key twice in quick succession.
- **Storage location**: Select the memory location for storage. This option only appears if an optional memory card (not included) is installed.
- **Volume key function**: Use the Volume key as the camera key, the record key, or for system volume.
- **Shutter sound**: Enable or disable a shutter sound when pictures are taken.
- **Reset settings**: Reset the camera settings.

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Chrome

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

1. From a Home screen, tap **Apps** > **Google** folder > **Chrome**.
2. Read the Google Chrome Terms of Service and tap **Accept & continue**.
3. If you have an existing Chrome account, tap **Sign in** to bring your open tabs, bookmarks, and omnibox data from your computer to your phone. Otherwise, tap **No thanks**.
4. Use Google Chrome to surf the Internet.

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Clock

The Clock app offers features for keeping track of time and setting alarms.

1. From a Home screen, tap **Apps** > **Clock**.
2. Tap a tab to use a feature:
   - **Alarm**: Set an alarm to ring at a specific time.
   - **World clock**: View the time of day or night in other parts of the world. World clock displays time in hundreds of different cities, within all 24 time zones around the world.
   - **Stopwatch**: Measure intervals of time.
   - **Timer**: Use a timer to count down to an event based on a preset time length (hours, minutes, and seconds).

Alarm

Set an alarm to ring at a specific time.

Create an Alarm

Create an alarm event. You can set one-time or recurring alarms, and choose options for how to be notified.

1. From a Home screen, tap **Apps** > **Clock**.
2. Tap **Add alarm**.
3. Tap the following items to configure an alarm:
   - **Date**: Choose the day for this alarm.
   - **Time**: Set a time for the alarm.
   - **Repeat**: Choose when to repeat the alarm.
   - **Alarm name**: Enter a name for the alarm.

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- **Snooze**: Allow snoozing. Set interval and repeat values for the alarm while snoozing.
- **Sound and volume**: Choose a sound to play for the alarm, and drag the slider to set the volume of the alarm.
- **Vibration**: Choose whether the alarm uses vibration alert.
- **Increasing volume**: Start playing the alarm tone at a low volume at an interval before the alarm time, and slowly increase in volume.

4. Tap **Save** to save the alarm.

Delete an Alarm

You can delete an alarm that you created.

1. From a Home screen, tap **Apps** > **Clock**.
2. Find the alarm in the alarm list (under **Alarm**), and then touch and hold it to select it.
3. Tap **Delete**.

World Clock

The World clock lets you keep track of the current time in multiple cities around the globe.

To list a city on the main World clock screen:

1. From a Home screen, tap **Apps** > **Clock**.
2. Tap **World clock**.
3. Tap **Add city**.
4. Swipe through the list or tap **Search** to find a specific city.
5. Tap the city to add it to the World clock list.
6. Repeat to add more cities.

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To remove a city from the main World clock screen:

1. From a Home screen, tap **Apps** > **Clock**.
2. Tap **World clock**.
3. Find the city to remove, and then touch and hold it to select it.
4. Tap **Delete**.

Stopwatch

The Stopwatch lets you time events down to a hundredth of a second.

1. From a Home screen, tap **Apps** > **Clock**.
2. Tap **Stopwatch** and use the following options:
   - **Start**: Begin timing.
   - **Stop**: Stop timing.
   - **Lap**: Keep track of lap times.
   - **Resume**: Continue timing after stopping the clock.
   - **Reset**: Reset the Stopwatch to zero.

Timer

The Timer provides a countdown timer for up to 99 hours, 59 minutes, and 59 seconds.

1. From a Home screen, tap **Apps** > **Clock**.
2. Tap **Timer**.
3. Use the keypad and tap **Hours**, **Minutes**, and **Seconds** to set the length of the Timer. The following options are available:
   - **Start**: Begin the Timer.
   - **Pause**: Pause the Timer.
   - **Resume**: Resume the Timer.
   - **Cancel**: Stop the Timer.

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Contacts

Store and manage your contacts with the Contacts app, which can be synchronized with a variety of your existing personal accounts.

For more information on connecting with and managing your accounts through your device, see "Accounts" on page 141.

Note: The Contacts app is different from the Contacts tab in the Phone app. Although both list the contacts in your phone and accounts, the available options and functions are different.

Manage Contacts

Access your list of contacts by using the Contacts app. To access your Contacts list:

► From a Home screen, tap **Apps** > **Contacts**.

Find a Contact

You can search for a contact or swipe the list to find one by name.

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap the **Search** field, and then enter characters to find contacts that match.

   – or –

   Tap a letter on the side of the list to jump directly to that letter in the alphabetical list. You can also slide your finger across the alphabetical list to select a letter with better precision.

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Add a Contact

Use the following procedure to add a new contact.

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap **Create contact**, and then tap contact fields to enter information.
   - Choose a storage account for the contact. You can store the contact on the device or sync it with an account.
   - Tap **Contact photo** to assign a picture to the new contact.
   - Enter a name and other contact information.
     - Tap **Add field** to enter additional entries.
     - Tap **Remove field** to remove an entry.
     - Tap **More** for additional fields.
     - Tap the label to the right of an entry to choose a label for the field (for example, Home or Work).
   - Tap **Scan business card** to import contact information from a business card through the device's camera.
3. Tap **Save**.

Edit a Contact

When editing a contact, you can tap a field and change or delete the information, or you can add more fields to the contact's list of information.

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap the contact to select it, and then tap **Details** > **Edit**.
3. Tap any of the fields to add, change, or delete information.
4. Tap **Save**.

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Share a Contact

When you share a contact, the contact's information is sent as a vCard file (VCF) or as a text file. You can share a vCard using Bluetooth or Wi-Fi Direct, attach it to a message, or save it to a storage location.

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap the contact to select it, and then tap **Details** > **Share**.
3. Choose whether to send the contact as a **vCard file (VCF)** or as a **Text**.
4. Choose a sharing method and follow the prompts.

Link Contacts

When you have contacts from various accounts, you may have multiple similar entries for a single contact. Contacts lets you link multiple entries into a single contact.

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap the contact to select it, and then tap **Details**.
3. Tap **More options** > **Link contacts**.
4. Tap contacts to choose them.
5. Tap **Link**.

Unlink Contacts

You can unlink a contact that you previously linked.

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap the contact to select it, and then tap **Details**.
3. Tap **More options** > **Manage linked contacts**.
4. Tap **Disconnect** beside contacts to unlink them from the main contact.

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Delete Contacts

You can delete a single contact or choose multiple contacts to delete.

1. From a Home screen, tap **Apps** > **Contacts**.
2. Touch and hold a contact to select it. You can also tap other contacts or tap the **All** checkbox at the top of the screen to select all contacts.
3. Tap **Delete**, and then confirm when prompted.

Favorites

When you mark contacts as favorites, they are easily accessible from other apps. Favorites display together on the Favorites tab in the Phone app.

Mark Contacts as Favorites

You can mark contacts as Favorites.

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap the contact to select it, and then tap **Details**.
3. Tap **Add to Favorites** (the star brightens).

Remove Contacts from Favorites

You can remove contacts from Favorites.

1. From a Home screen, tap Apps > Contacts.
2. Tap the contact to select it, and then tap **Details**.
3. Tap **Remove from Favorites** (the star dims).

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Groups

You can use groups to organize your contacts. Your device comes with preloaded groups, and you can create your own. You might create a group for your family, for coworkers, or a team. Groups make it easy to find contacts, and you can send messages to the members of a group.

Create a Group

You can create your own contact groups.

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap **More options** > **Groups**.
3. Tap **Create**, and then tap fields to enter information about the group:
   - **Group name**: Enter a name for the new group.
   - **Group ringtone**: Customize the sounds for the group.
   - **Add member**: Select contacts to add to the new group, and then tap **Done**.
4. Tap **Save**.

Rename a Group

You can rename a contact group.

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap **More options** > **Groups**, and then tap a group.
3. Tap **Edit** and enter a new name.
4. Tap **Save**.

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Add Contacts to a Group

You can add contacts to a group.

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap **More options** > **Groups**, and then tap a group.
3. Tap **Edit** > **Add member**, and then tap the contacts you want to add. When finished, tap **Done**.
4. Tap **Save**.

Send a Message to a Group

You can send a text message to members of a group.

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap **More options** > **Groups**, and then tap a group.
3. Tap **More options** > **Send message**.
4. Type your message and tap **Send**.

Send an Email to a Group

You can send an email to members of a group.

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap **More options** > **Groups**, and then tap a group.
3. Tap **More options** > **Send email**.
4. Tap contacts to select them, or tap the **All** checkbox at the top of the screen to select all, and then tap **Done**.
   - Only group members that have an email address in their records are displayed.
5. Choose an email account and follow the prompts.
6. Type your message and tap **Send**.

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Delete a Group

Preset groups cannot be deleted.

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap **More options** > **Groups**, and then tap the group to delete.
3. Tap **More options** > **Delete**.
4. Tap **Group only** to only delete the group or tap **Group and members** to delete the group and the contacts in the groups.

Contacts Settings

These settings allow you to modify settings associated with using the Contacts app.

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap **More options** > **Settings**.
3. Tap an option and follow the prompts.

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Email

Use the Email app to view and manage all your email accounts in one app.

To access Email:

▶ From a Home screen, tap **Apps** > **Samsung** folder > **Email**.

Configure Email Accounts

You can configure Email for most accounts in just a few steps.

1. From a Home screen, tap **Apps** > **Samsung** folder > **Email**.
2. Follow the prompts to set up your email account.

To add an Email account:

1. From a Home screen, tap **Apps** > **Samsung** folder > **Email**.
2. Tap **More options** > **Settings** > **Add account**.
3. Enter your email address and password.

The device communicates with the appropriate server to set up your account and synchronize your email. When complete, your email is displayed in the Inbox for the account.

Note: To configure email account settings at any time, tap **More options** > **Settings**. Tap the email account to display its settings.

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View Multiple Email Accounts

You can view email you receive for multiple accounts on the Combined inbox screen or you can view email accounts individually.

1. From a Home screen, tap **Apps** > **Samsung** folder > **Email**.
2. Tap **Menu** at the top left of the screen to view the current account mailbox.
3. Tap the account name to view:
   - **Combined inbox**: View all email in a combined inbox.
   - **[Account Name]**: View email for only one email account.

Manage Your Inbox

There are several tools available from the Inbox screen.

► From a Home screen, tap **Apps** > **Samsung** folder > **Email**.

- Tap a message to read and reply or forward it.
- Tap **Search** to search for key words in your email inbox.
- Tap **More options** for additional message options.

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Create and Send an Email

This section describes how to create and send an email using the Email app.

1. From a Home screen, tap **Apps** > **Samsung** folder > **Email** > **Compose new email**.
2. Tap the **To** field to manually add an email address or tap **Add from Contacts** to select a recipient from Contacts or Groups.
   - If manually entering recipients, enter additional recipients by separating each entry with a semicolon (;). More recipients can be added at any time before the message is sent.
   - If adding a recipient from your Contacts, tap the contact to place a checkmark, and then tap **Done**. The contact is displayed in the recipients field.
   - Tap **Show additional fields** to add Cc and Bcc fields.
3. Tap the **Subject** and **Message** fields to enter text.
   - Tap **Attach** to add Files, Images, Audio, and more to your email.
   - Tap **More options** for additional email options.
4. Review your message and tap **Send**.

Remove Email Accounts

To remove an email account:

1. From a Home screen, tap **Apps** > **Samsung** folder > **Email**.
2. Tap **More options** > **Settings**.
3. Tap the account you want to remove.
4. Tap **Remove**. Confirm when prompted.

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Email Settings

These settings allow you to modify settings associated with using the Email app.

1. From a Home screen, tap **Apps** > **Samsung** folder > **Email**.
2. Tap **More options** > **Settings**.
3. Under **General**, tap an option, and then follow the prompts.
4. Tap an account to configure specific settings for only that account.

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Galaxy Apps

Samsung Galaxy Apps provides a quick and easy way to find and download free premium apps that are compatible with your Galaxy device.

To access the Samsung Galaxy Apps website:

► From a Home screen, tap **Apps** > **Samsung** folder > **Galaxy Apps**.

Note: A Samsung account is required to purchase and download apps.

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Gallery

View, edit, and manage pictures and videos.

Note: Some functions described in this section are only available if there are images or videos in the Gallery.

View Images and Videos

Launching Gallery displays available folders. When another app, such as Email, saves an image, a Download folder is automatically created to contain the image. Likewise, capturing a screenshot automatically creates a Screenshots folder.

1. From a Home screen, tap **Apps** › **Gallery**.
2. Tap **Menu** in the upper left corner, and then tap an option to choose the way items are displayed.
   - In Albums view, you can create albums to organize your images. On the drop-down menu, tap **Albums**, and then tap **More options** › **Create album**.
3. Depending on the view mode selected, either tap an image or video to view it, or first tap an album or folder and then tap an image or video.
   - When viewing an image or video, you can swipe left or right to view the next or previous image or video.

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Zoom In or Out

Use one of the following methods to zoom in or out on an image:

- Double-tap anywhere on the screen to zoom in or zoom out.
- Spread two fingers apart on any place to zoom in. Pinch the screen to zoom out.

Play Videos

You can play videos stored on your device.

1. From a Home screen, tap **Apps** > **Gallery**.
2. Tap a folder or category to open it.
3. Tap a video to view it.
4. Tap **Play video** to play the video.

Trim Segments of a Video

You can trim segments of a video.

1. Select a video, and then tap the screen once to see the video options.
2. Tap **Edit**.
3. Use the sliders at the bottom of the screen to trim the video. Move the left bracket to the desired starting point, and then move the right bracket to the desired ending point.
4. Tap **Done** to save the video. Modify the File name or Resolution, and then tap **Save** to confirm the changes.

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Edit Images

You can edit images stored on your device.

► While viewing an image, tap the screen once to see the following options:

- **Share**: Send the image to your contacts by email, messaging, social media, cloud accounts, or other methods.
- **Edit**: View and use the editing tools.
- **Delete**: Delete the image from your device.
- **Favorite**: Mark the image as a favorite, and then access it from the Favorites view.
- **More options**:
  - **Rotate left**: Rotate the picture counter-clockwise.
  - **Rotate right**: Rotate the picture clockwise.
  - **Details**: View and edit information about the image, including the date created, location, and properties.
  - **Slideshow**: Start a slideshow with the images and videos in the current folder.
  - **Set as contact picture**: Set the image as the photo for a contact.
  - **Set as wallpaper**: Set the image as a wallpaper for the Home and Lock screens.

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Share Images and Videos

You can share images and videos from your Gallery.

1. From a Home screen, tap **Apps** > **Gallery**.
2. Tap a folder to open it.
3. In a folder, tap **More options** > **Share**, select images and videos, and then tap **Share** to send them to others or share them with social network services.

   – or –

   While viewing a single image or video, tap **Share** to send it to others or share it with social network services.

Delete Images and Videos

You can delete images stored on your device.

1. From a Home screen, tap **Apps** > **Gallery**.
2. Tap a folder to open it.
3. Tap **More options** > **Edit**.
4. Tap images and videos to select them, or tap the **All** checkbox at the top of the screen to select all images and videos.
5. Tap **Delete**, and confirm when prompted.

   – or –

   When viewing a single image or video, tap **Delete**.

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Internet

Access the Internet with a fully-featured web browser.

Access the Internet

▶ From a Home screen, tap **Apps** > **Samsung** folder > **Internet**.

Command Keys

The following command keys are available:

- **Back** or **Back**: Return to the previous page.
- **Forward**: Go forward to a recent page.
- **Home**: Display your Internet Home screen.
- **Bookmarks**: Manage bookmarked pages, saved pages, and history.
- **Tabs**: Manage open tabs. The number on the icon indicates the number of tabs that are currently open.
- **Refresh**: Refresh or reload the current web page.

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View a Web Site

To view a web site:

► Tap the address field, enter the web address, and then tap **Go** on the keyboard.

To zoom in or out:

► Tap the screen twice or pinch the screen to zoom out. Stretch the screen to zoom in.

Browser Tabs

Use tabs to view multiple web pages at the same time.

To open a new tab:

► Tap **Tabs** > **New tab**.

To close a tab:

1. Tap **Tabs**.
2. Tap **Close tab** by the tabs you want to close.

Bookmarks

The Bookmarks page stores Bookmarks, Saved pages, and History.

Save and Open Bookmarks

Bookmarking a web page saves the web address so that you can access it quickly.

To bookmark the current web page:

1. Tap **Bookmarks** > **Add**.
2. Type a title for the bookmark and tap **Save**.

To open a bookmarked web page:

1. Tap **Bookmarks** > **Bookmarks**.
2. Tap a bookmark entry.

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Saved Pages

Saving a web page stores the web page content on your device so that you can access it offline.

To save the current web page:

► Tap **More** > **Save web page**.

To view saved web pages:

1. Tap **Bookmarks** > **Saved pages**.
2. Tap a saved page to open it in the browser.

View History

To view a list of recently visited web pages:

► Tap **Bookmarks** > **History**.

Share Pages

To share a web page address with others:

► Tap **More** > **Share**, and follow the prompts.

Secret Mode

Pages viewed in Secret mode are not listed in your browser history or search history, and leave no traces (such as cookies) on your device. Secret tabs are a darker shade than the normal tab windows.

Note: Any downloaded files remain on your device after you close the secret tab.

To enable Secret mode:

1. From a Home screen, tap **Apps** > **Samsung** folder > **Internet**.
2. Tap **Tabs**.
3. Tap **Turn on secret**.
4. Tap **Set password** to protect your Secret mode data with a password.

   – or –

   Tap **Do not use password**.

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To turn off Secret mode:

1. From a Home screen, tap **Apps** > **Samsung** folder > **Internet**.
2. Tap **Tabs** > **Turn off secret**.

Internet Settings

These settings allow you to modify settings associated with using the Internet app.

1. From a Home screen, tap **Apps** > **Samsung** folder > **Internet**.
2. Tap **More** > **Settings**.
3. Tap an option and follow the prompts.

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Message+

This section describes how to create and send a message using the Verizon Messages app.

Create and Send Messages

Use the Verizon Messages app to send and receive messages with your friends and family.

1. From the Home screen, tap **Apps** > **Verizon** folder > **Message+**.
2. Tap **New message**.
   - Tap the **To**: field and then enter a contact name, a mobile phone number, or an email address using the keyboard. As you enter letters, possible matches from your accounts and contacts display on the screen. Touch a match to add it to the message.
   - Tap **Type a message** and enter your message.
   - Tap **Attach** to attach an item, such as a postcard, picture, video, audio recording, Glympse location, location, contact card, or song.
   - Tap **Emoticon** to insert emoticons into your message.
   - Tap **Voice** to record and insert an audio recording into your message.
3. Review your message and tap **Send**.

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Read Messages

When you receive a message, your phone notifies you by displaying the New message icon in the Status bar.

To access a new message:

- Drag your finger down from the Status bar to display the Notification panel, and then tap the message notification to open the message.

  – or –

  From the Home screen, tap **Apps** > **Verizon** folder > **Message+**, and then tap the message to open it.

Reply to Messages

Messages you exchange with another person are displayed as conversations in the Messages app, so you can see all the messages in one place.

1. From the Home screen, tap **Apps** > **Verizon** folder > **Message+**.
2. Tap a conversation to display it.
3. Tap the **Type a message** field and then type your reply message.
4. When the message is complete, tap **Send**.

Delete Messages

1. From the Home screen, tap **Apps** > **Verizon** folder > **Message+**.
2. Tap a conversation to display it.
3. Touch and hold the message you want to delete, and then tap **Delete messages** on the pop-up menu. Follow the prompts to confirm the deletion.

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Delete Conversations

You can delete all the messages you've exchanged with another person.

1. From the Home screen, tap **Apps** > **Verizon** folder > **Message+**.
2. Touch and hold a conversation you want to delete and tap **Delete Conversation**. Follow the prompts to confirm the deletion.

Note: Locked messages will not be deleted unless you select Delete locked messages before confirming the deletion.

Protect a Message from Deletion

You can lock a message so that it will not be deleted even if you delete the other messages in the conversation.

1. From the Home screen, tap **Apps** > **Verizon** folder > **Message+**.
2. Tap a conversation to display it.
3. Touch and hold the message that you want to lock, and then tap **Lock message** on the pop-up menu. A lock icon displays on the message.

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Messages

Learn how to send and receive different messages using the Samsung Messages app on your device.

Types of Messages

The Samsung Messages app provides the following message types:

- Text Messages (SMS)
- Multimedia Messages (MMS)

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.

Messaging icons are displayed at the top of the screen and indicate when messages are received and their type.

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Create and Send Messages

This section describes how to create and send a message using the Messages app.

1. From a Home screen, tap **Apps** > **Messages**.
2. Tap **Compose new message**.
3. Tap the **Recipient** field to manually enter a recipient or tap **Add from Contacts** to select a recipient from your Contacts. You can also select the recipient based on Groups or recent numbers.
   - If adding a recipient from your Contacts, tap the contact to place a checkmark, and then tap **Done**. The contact is placed in the recipients field.
   - Enter additional recipients by separating each entry with a semicolon (;) and then using the previous procedure. More recipients can be added at any time before the message is sent.
4. Tap the **Enter message** field to enter a message.
   - **Attach**: Add images, audio, and more to your message.
   - **Emoticon**: Choose an available emoticon from the list and add it into your message at the cursor location.
5. Review the message and tap SEND **Send**.

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

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View New Messages

When you receive a new message, **New message** appears on the Status bar.

To view the message:

▶ Open the Notification panel and tap the message. For more information, see "Notification Panel" on page 24.

– or –

From a Home screen, tap **Apps** > **Messages**, and then tap the new message to view it.

- To play a multimedia message attachment (audio or video), tap **Play**.
- To scroll through the list of messages, swipe up or down the page.

Delete Messages

To delete messages, follow these steps:

1. From a Home screen, tap **Apps** > **Messages**.
2. Tap **Edit**.
3. Tap each message you want to delete or tap the **All** checkbox at the top of the screen to select all messages.
4. Tap **Delete** and confirm when prompted.

Message Search

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

1. From a Home screen, tap **Apps** > **Messages**.
2. Tap **Search**.
3. Enter a word or phrase to search for, and then tap **Search** on the keyboard.

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Messages Settings

Configure the settings for text messages, multimedia messages, push messages, and more.

► From a Home screen, tap **Apps** > **Messages** > **More options** > **Settings**.

Emergency Alerts

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). For more information, contact your wireless provider.

Emergency alerts allows customers to receive geographically-targeted messages. Alert messages notify 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 (extreme and severe)
- AMBER alerts (missing child alert)

Users may choose not to receive Imminent alerts (extreme and severe) and AMBER alerts.

Note: Alerts issued by the President cannot be disabled.

To disable Imminent and AMBER alerts:

1. From a Home screen, tap **Apps** > **Messages**.
2. Tap **More options** > **Settings** > **Emergency alert settings**.
3. Tap **Emergency alerts**.
   - All alerts are enabled (on) by default.
4. Tap an alert option to disable it.

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My Files

Access files stored on your device, including images, videos, music, and sound clips.

To view files in My Files:

1. From a Home screen, tap **Apps** > **Samsung** folder > **My Files**.
2. Tap a category to view the relevant files or folders.
3. Tap a file or folder to open it.

File Groups

Files stored in the device are organized into the following groups:

- **Recent files**: View recently saved files.
  - This option appears if one or more files have been accessed recently.
- **My device**: View folders and files located on the device.
- **SD card**: View folders and files located on an optional memory card (not included).
  - This option appears if an optional memory card is installed.
- **Downloads**: View all apps and files that have been downloaded to the device.
- **Documents**: View document files.
- **Images**: View image files.
- **Audio**: View audio files.
- **Videos**: View video files.

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My Files Options

Use My File options to search, edit, clear file history, and more.

► From a Home screen, tap **Apps** > **Samsung** folder > **My Files**. The following options are available:

- **Search**: Search for a file or folder.
- **More options**: Tap for the following options:
  - **Clear recent file history**: Clear the Recent files category. This option only appears if files have been accessed recently.
  - **Manage storage usage**: View memory information for your device.
  - **Settings**: View settings for the My Files app.

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Samsung Notes

Use Samsung Notes to write and save notes on your device.

Compose a Note

You can create notes using the Samsung Notes app.

1. From a Home screen, tap **Apps** › **Samsung Notes**.
2. Tap **Create** and type a note. Available options include:
   - **Text**: Use the keyboard to type text.
   - **Pen**: Use the S Pen to write text.
   - **Brush**: Create a drawing.
   - **Image**: Insert an image into the note.
   - **Voice**: Use your voice to insert text into the note.
3. Tap **Back**, and then tap **Save** when finished.

Edit Notes

You can make edits to notes you create.

1. From a Home screen, tap **Apps** › **Samsung Notes**.
2. Tap a note to view it.
3. Tap the content and make edits.
4. When you are finished, tap **Save**.

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Browse Notes

You can browse notes you create.

► From a Home screen, tap **Apps** › **Samsung Notes**.

- Browse note entries by swiping up or down.
- To search for a note, tap **Search**.

Notes Options

You can edit, share, or manage notes.

1. From a Home screen, tap **Apps** › **Samsung Notes**.
2. While browsing notes, tap **More options** for the following options:
   - **Edit**: Select notes to share, delete, or move.
   - **Sort by**: Change the way notes are organized.
   - **List/Grid view**: Switch between List view and Grid view.
   - **Settings**: View settings for the Samsung Notes app.

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Settings

Configure your device's connections and settings, add accounts, and customize Home screens, apps, and features.

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How to Use Settings

Access Settings

There are a couple of ways to access your device settings.

► From a Home screen, tap **Apps** › **Settings**.

– or –

Drag down from the Status bar to display the Notification panel, and then tap **Settings**.

Search for Settings

If you are not sure exactly where to find a certain setting, you can use the Search feature.

1. From a Home screen, tap **Apps** › **Settings**.
2. Tap **Search**.
   - Enter a word or words in the **Search** field. As you type, settings that match display on the screen.
   - Tap an entry to go to that setting.

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Connections

Manage connections between your device and a variety of networks and other devices.

Wi-Fi

Wi-Fi is a term used for certain types of Wireless Local Area Networks (WLAN). Wi-Fi communication requires access to a wireless Access Point (AP).

Turn Wi-Fi On or Off

Turning Wi-Fi on makes your device able to discover and connect to compatible in-range wireless APs.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Connections** > **Wi-Fi**, and then tap **On/Off** to turn Wi-Fi on or off.

Wi-Fi Status Indicators

Status bar icons indicate your current Wi-Fi connection status:

- When Wi-Fi is connected, active, and communicating with a wireless Access Point, **Wi-Fi active** is displayed in the Status bar.
- If a Wi-Fi access point is available, but your device is not connected to it, **Wi-Fi available** is displayed. It may also be displayed if there is a communication issue with the target wireless Access Point.

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Wi-Fi Networks

To scan for a Wi-Fi network and connect to it:

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Connections** > **Wi-Fi**, and then tap **On/Off** to turn on Wi-Fi.
   - When Wi-Fi is turned on, your device automatically scans for available networks and displays them.
3. Tap the network you want to connect to.
   - When you select an open network, you are automatically connected to the network. Otherwise, enter a password to connect.

Manually Connect to a Wi-Fi Network

You can connect your device to a Wi-Fi network manually.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Connections** > **Wi-Fi**, and then tap **On/Off** to turn on Wi-Fi.
3. Swipe to the bottom of the screen and tap **Add network**.
4. Enter information about the Wi-Fi network:
   - **Network name**: Enter the name of the Wi-Fi network.
   - **Security**: Select a security option and enter your password.
   - **Auto reconnect**: Connect to this network automatically whenever available.
   - **Show advanced options**: Add advanced options such as IP settings and Proxy settings.
5. Tap **Connect** to store the new information and connect to your target wireless Access Point.

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Wi-Fi Options

The Wi-Fi settings menu allows you to set up many of your device's advanced Wi-Fi services.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Connections** > **Wi-Fi**, and then tap **On/Off** to turn on Wi-Fi.
3. Tap **Advanced** for options:
   - **Smart network switch**: Connect automatically to a mobile network connection when the Wi-Fi connection is unstable.
   - **Network notification**: Receive notifications when open networks in range are detected.
   - **Manage networks**: Manage your saved Wi-Fi networks.
   - **WPS push button**: Set up a connection to a WPS (Wi-Fi Protected Setup) router or other equipment.
   - **WPS PIN entry**: View the PIN used by your device to set up a PIN-secured connection to a Wi-Fi router or other equipment (not configurable).
   - **Keep Wi-Fi on during sleep**: Specify when to disconnect from Wi-Fi.
   - **Install network certificates**: Install authentication certificates.
   - **MAC address**: View your device's MAC address, which is required when connecting to some secured networks (not configurable).
   - **IP address**: View your device's IP address (not configurable).

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Wi-Fi Direct

Wi-Fi Direct allows direct device-to-device connections using Wi-Fi, without having to connect to a Wi-Fi network.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Connections** > **Wi-Fi**, and then tap **On/Off** to turn on Wi-Fi.
   - Wi-Fi must be on to configure settings.
3. Tap **Wi-Fi Direct**. Your device automatically scans for nearby Wi-Fi Direct devices.
4. Select a device, and then follow the prompts to complete the connection.

Wi-Fi Direct Status Indicator

Status bar icons indicate your current Wi-Fi Direct connection status:

- When your device is connected to another device using Wi-Fi Direct, **Wi-Fi Direct** is displayed in the Status bar.

Bluetooth

Bluetooth is a short-range communications technology that connects your device wirelessly to a number of Bluetooth devices, such as headsets and hands-free car Bluetooth systems, and Bluetooth-enabled computers, printers, and wireless devices.

Note: The Bluetooth communication range is approximately 30 feet.

Turn Bluetooth On or Off

Use the settings menu to turn your device's Bluetooth on or off.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Connections** > **Bluetooth**, and then tap **On/Off** to turn Bluetooth on or off.

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Bluetooth Status Indicator

Status bar icons indicate your current Bluetooth connection status:

- When Bluetooth is turned on, **Bluetooth** is displayed in the Status bar.

Scan for Bluetooth Devices

When you want to pair with another Bluetooth device, you can scan for nearby devices that are visible.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Connections** > **Bluetooth**, and then tap **On/Off** to turn on Bluetooth.
   - When Bluetooth is first turned on, it scans for nearby Bluetooth devices and displays them.
   - To manually perform a new scan, tap **Scan**.

Pair Bluetooth Devices

The Bluetooth pairing process allows you to establish trusted connections between your device and another Bluetooth device.

Pairing between two Bluetooth devices is a one-time process. Once a pairing is created, the devices continue to recognize their partnership and exchange information without having to re-enter a passcode.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Connections** > **Bluetooth**, and then tap **On/Off** to turn on Bluetooth.
   - Make sure that the target device is discoverable so that your device can find it. Refer to the instructions that came with the device to find out how to set it to discoverable mode.

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3. Tap the name of the target device when you see it displayed in the Bluetooth devices section.
   - Your device automatically tries to pair with the target device. If automatic pairing fails, enter the passcode supplied with the target device.

Note: Due to different specifications and features of other Bluetooth-compatible devices, display and operations may be different, and functions such as transfer or exchange may not be possible with all Bluetooth compatible devices.

Rename a Paired Device

Once you have paired your device to another device, you can rename the paired device to make it easier to recognize.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Connections** > **Bluetooth**, and then tap **On/Off** to turn on Bluetooth.
3. Tap **Settings** next to the previously paired device, and then tap **Rename**.
4. Enter a new name, and tap **Rename**.

Delete a Paired Device (Unpair)

When you unpair from a Bluetooth device, the two devices no longer recognize each other. To connect again, you have to pair the devices.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Connections** > **Bluetooth**, and then tap **On/Off** to turn on Bluetooth.
3. Tap **Settings** next to the paired device, and then tap **Unpair** to delete the paired device.

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Data Usage

Monitor how your data is being used, and set limits and restrictions to conserve it.

Note: Your service provider may account for data usage differently.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Connections** > **Data usage** for options:
   - **Data usage cycle**: Tap the drop-down menu, and then choose a time period for data usage. Data usage for the period is displayed on the graph, along with usage by application at the bottom of the screen.
   - **Mobile data**: Enable mobile data.
   - **Set mobile data limit**: Your mobile data connection is turned off when the specified limit is reached.
   - **By application**: View data usage by application.
3. Tap **More options** for the following options:
   - **Restrict background data**: Restrict some apps and services from working unless you are connected to a Wi-Fi network.
   - **Show/Hide Wi-Fi usage**: Display or hide a Wi-Fi tab that shows Wi-Fi usage.

Airplane Mode

Airplane mode disconnects your device from all networks and turns off connectivity features, such as phone calls and Wi-Fi.

While in Airplane mode, you can use other features such as playing music, watching videos, and other offline applications.

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Enable Airplane Mode

To enable or disable Airplane mode:

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Connections** > **Airplane mode**, and then tap **On/Off** to enable or disable the option.

Mobile Networks

Control your device's access to networks and mobile data service.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Connections** > **Mobile networks** for options:
   - **Signal strength**: View the current signal strength (not configurable).
   - **Network mode**: Choose a preferred network mode.
   - **Access Point Names**: Choose or add APNs.

Location

Some apps, such as Google Maps, may require one or more location services be turned on for full functionality.

Locating Method

Before using any features that require location assistance, you must enable your device's location services.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Connections** > **Location**.
3. Tap **On/Off** to turn on Location services.

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4. Tap **Locating method** to select how your location is determined:
   - **High accuracy**: Uses GPS, Wi-Fi, and mobile networks.
   - **Battery saving**: Uses Wi-Fi and mobile networks (no GPS).
   - **Device only**: Uses GPS only.
5. Tap **Improve accuracy** to use other connections for determining your location:
   - **Wi-Fi scanning**: Allow apps and services to scan for Wi-Fi networks automatically, even when Wi-Fi is turned off.
   - **Bluetooth scanning**: Allow apps to scan for and connect to nearby devices automatically through Bluetooth, even when Bluetooth is turned off.

Recent Location Requests

Apps that have requested your location are listed under Recent location requests.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Connections** > **Location**.
3. Tap **On/Off** to turn on Location services.
4. Tap an entry under **Recent location requests** to view the app's settings.

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Location Services

Google Location History™ stores and uses your device's most recent location data. Google apps, such as Google Maps, can use this data to improve your search results based on places that you have visited.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Connections** > **Location**.
3. Tap **On/Off** to turn on Location services.
4. Tap **Google Location History** and sign in to your Google Account for more options.

More Connection Settings

The More connection settings allow you to configure a variety of connectivity settings for your device.

Nearby Device Scanning

Scan for nearby devices to connect to and set them up easily. You receive a notification when there are available devices to connect to.

Note: This function uses Bluetooth Low Energy scanning even if Bluetooth is turned off on your device.

To enable nearby device scanning:

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Connections** > **More connection settings** > **Nearby device scanning**.
3. Tap **On/Off** to enable the feature.

Printing

Print images and documents to Samsung printers and other compatible printers (not included).

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Connections** > **More connection settings** > **Printing**.
3. Tap a print service and follow the prompts.

Note: Tap **Download plug-in** to install additional print service drivers.

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Virtual Private Networks (VPN)

Set up and manage your Virtual Private Networks (VPNs).

Note: You must set a secured screen lock before setting up a VPN. For more information, see "Set a Screen Lock" on page 133.

Add a VPN

Use the VPN settings menu to add a VPN connection to your device.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Connections** > **More connection settings** > **VPN**.
3. Tap **Add VPN** and follow the prompts to set up your VPN.

Connect to a VPN

To connect to a VPN:

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Connections** > **More connection settings** > **VPN**.
3. Tap the VPN, enter your log in information, and tap **Connect**.

Disconnect from a VPN

To disconnect from a VPN:

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Connections** > **More connection settings** > **VPN**.
3. Tap the VPN, and then tap **Disconnect**.

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Edit or Delete a VPN

Once you have set up a VPN connection, you can edit or delete the connection.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Connections** > **More connection settings** > **VPN**.
3. Tap **Settings** next to the VPN that you want to edit or delete.
4. Edit the VPN and tap **Save**.

   – or –

   Tap **Delete** to delete the VPN.

Reset Network Settings

You can reset Wi-Fi, Mobile data, and Bluetooth settings with Reset network settings.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Connections** > **More connection settings** > **Reset network settings**.
3. Tap **Reset settings**, and confirm when prompted.

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Sounds and Vibration

Configure the sounds and vibrations used to indicate notifications, screen touches, and other interactions.

Change the Sound Mode

You can switch between sound modes, while preserving the individual sound settings you have made.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Sounds and vibration** > **Sound mode**, and then choose a mode:
   - **Sound**: Use the sounds, vibrations, and volume levels you have chosen in Sound settings for notifications and alerts.
   - **Vibrate**: Vibrate for notifications and alerts. This uses the Vibration intensity you choose in Sound settings.
   - **Mute**: Mute all sounds and notifications.

Vibrate While Ringing

Your device can vibrate in addition to ringing when you receive a call.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Sounds and vibration** > **Vibrate while ringing** to enable this option.

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Adjust the Volume

Set the system volume level and default volume for call ringtones, notifications, and other audio.

Note: You can also set the Ringtone volume from a Home screen by pressing the **Volume** key.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Sounds and vibration** > **Volume** and drag the sliders to set the default volume for:
   - Ringtone
   - Media
   - Notifications
   - System

Media Volume Limiter

Limit the maximum output of the device's volume. You can also set a PIN to prevent unauthorized users from changing this setting.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Sounds and vibration** > **Volume**.
3. Tap **More options** > **Media volume limiter**.
   - Tap **On/Off** to enable this feature.
     - When enabled, drag the **Custom volume limit** slider to set the maximum output volume.
   - Tap **Set volume limit PIN** to prevent changes to the volume setting.

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Select a Default Ringtone

Choose from preset ringtones or add your own.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Sounds and vibration** > **Ringtone**.
3. Tap a ringtone to hear a preview and select it.

   – or –

   Tap **Add from device storage** to use an audio file as a ringtone.

Select a Default Vibration Pattern

Choose from preset vibration patterns or create your own pattern.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Sounds and vibration** > **Vibration pattern**.
3. Tap a pattern to preview and select it.

Change the Notification Sound

Choose a sound for notifications, such as for new messages and event reminders.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Sounds and vibration** > **Notification sounds** and configure the following options:
   - **Default notification sound**: Choose a default sound for all notifications.
   - **Messages notifications**: Choose a sound for message notifications, and enable or disable vibration alert.
   - **Calendar notifications**: Choose a sound for calendar notifications, and enable or disable vibration alert.
   - **Email notifications**: Configure email account notifications. An email account must be configured for this option to be available.

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Do Not Disturb

This setting allows you to block all notifications and alerts. The options below determine what notifications can make sounds, and during what time periods you want to enter this mode.

To activate Do not disturb mode:

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Sounds and vibration** > **Do not disturb**.
3. Tap **Turn on now** to enable this option.
4. Tap **Turn on as scheduled**, and then tap **Days**, **Start time**, and **End time** to set up a do not disturb schedule.
5. Tap **Allow exceptions** to customize which notifications are allowed while your device is in Do not disturb mode.

System Sounds

Set various other system sound options.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Sounds**, and tap to enable each option:
   - **Touch sounds**: Play tones when you touch or tap the screen to make selections.
   - **Screen lock sounds**: Play a sound when you unlock the screen.
   - **Emergency tone**: Set the emergency tone to alert, vibrate, or silent.
   - **Charging sound**: Play a sound when a charger is connected.

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Key-Tap Feedback

Play tones when the dialing keypad or the keyboard is tapped.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Sounds**, and tap to enable each option:
   - **Dialing keypad tones**: Play a tone when the dialing keypad is tapped.
   - **Keyboard sound**: Play a sound when the Samsung keyboard is tapped.

Sound Quality and Effects

You can enable sound effects when connected to a headset.

Note: Sound effects are only available when headphones or a compatible Bluetooth headset (not included) is connected.

Choose from advanced sound options to customize your audio experience.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Sounds and vibration** > **Sound quality and effects**.
3. Tap **Equalizer** and choose a setting, or tap **Advanced** or **Basic** to customize your sound settings.
4. Tap **On/Off** to enable each option:
   - **UHQ upscaler**: Enhance the sound resolution of music and videos for a clearer listening experience.
   - **Surround**: Recreate the effects of rich surround sound.
   - **Tube Amp Pro**: Simulate the soft timbre of a tube amplifier.
   - **Concert hall**: Simulate the reverb of a concert hall.
5. Tap **Adapt sound** and follow the prompts to customize your sound settings.

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Notifications

Select which apps you want to receive alerts from. Alerts include notifications, sounds, and vibrations.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Notifications**.
3. Tap **On/Off** next to an app to enable or disable notifications.
   - Tap **Advanced** to configure more notification options for individual apps.

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Display

Configure your display's brightness, screen timeout delay, and other display settings.

Adjust the Screen Brightness

Adjust the screen brightness to suit your surroundings or personal preference. You may also want to adjust screen brightness to conserve battery power.

1. From a Home screen, tap **Apps** › **Settings**.
2. Tap **Display**.
3. Customize options under Brightness:
   - Drag the **Brightness** slider to set a custom brightness level.
   - Tap **Outdoor mode** to increase the screen brightness for 15 minutes for greater visibility when outdoors.

Note: You can also control Brightness from the Notification panel. Drag down **View all** to reveal the Brightness and Auto functions.

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Change the Font Size and Style

You can set the font size and style for all text that is displayed on the screen.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Display** > **Font** to choose a font size and style.
   - Drag the slider to adjust the font size.
   - Tap a font style to select a font, or tap **Download fonts** to find new fonts from Galaxy Apps.
3. Tap **Apply** to set the font size and style.

Enable Icon Frames

You can show icons with shaded frames to make them stand out on the Home screen and Apps list screen.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Display** > **Icon frames** and choose one of the following options:
   - **Icons only**: Show icons only.
   - **Icons with frames**: Show icons with shaded frames.
3. Tap **Done**, and confirm when prompted.

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Status Bar

Configure display options for the Status bar.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Display** > **Status bar**.
   - Tap **Show recent notifications only** to display only the three most recent notification icons on the Status bar.
   - Tap **Show battery percentage** to display the battery charge percentage next to the battery icon on the Status bar.

Set the Screen Timeout

Turn the screen off after a set amount of time.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Display** > **Screen timeout** and choose a time period.

Screen Saver

Screen saver controls what is displayed on the screen when the device is docked (dock not included) or while charging. You can choose to display colors or photos.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Display** > **Screen saver**.
3. Tap **On/Off** to enable Screen saver.
4. Configure options:
   - **Colors**: Tap the selector to display a changing screen of colors.
   - **1Weather**: Display local weather information.
   - **Photo table**: Display pictures in a photo table. Tap **Settings** for options.
   - **Photo frame**: Display pictures in a photo frame. Tap **Settings** for options.

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- **Photos**: Display pictures from your Google Photos account. Tap ⚙ **Settings** for options.

5. Tap ⋮ **More options** for additional options:
   - **Preview**: See a demonstration of Screen saver.
   - **Select when to use**: Select when your device can go into Screen saver mode.

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Wallpapers and Themes

You can change the appearance of your device with custom wallpapers, themes, and icons.

Wallpapers

Change the look of the Home and Lock screens with wallpaper. You can display a favorite picture or choose from preloaded wallpapers.

To change wallpaper:

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Wallpapers and themes** > **Wallpapers**.
3. Tap **View all** to see all available wallpaper images.
   - Tap **From Gallery** for additional wallpapers.
4. Tap an image to choose it, and then choose which screen you want to use it for:
   - Home screen
   - Lock screen
   - Home and lock screens
5. Tap **Set as wallpaper**.

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Themes

Set the theme to be applied to your Home and Lock screens, wallpapers, and app icons.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Wallpapers and themes** > **Themes**.
3. Tap a theme to view a preview of the theme.
   - Tap **View all** to see all available themes.
4. Tap **Apply** to apply the selected theme.

Icons

Apply custom icons to replace built-in app icons.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Wallpapers and themes** > **Icons**.
3. Tap an icon set to view a preview the icons.
   - Tap **View all** to see all available icon sets.
4. Tap **Apply** to apply the selected icon set.

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Advanced Features

Configure features on your device that make it easier to use.

One-Handed Operation

Change the screen layout to accommodate operating your device with one hand.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Advanced features** > **One-handed operation**.
3. Tap **On/Off** to enable or disable the following:
   - **Reduce screen size**: Press the **Home** key three times in quick succession to reduce the size of the display.
   - **One-handed input**: Adjust the size and position of the keyboard and other input methods for easier input with one hand.

Other Features

Configure other useful features. For example, you can control certain device actions by picking up the device and by touching the screen with the palm of your hand or turning over the device.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Advanced features**.
3. Tap **On/Off** to enable each of the following:
   - **Quick launch camera**: Open the Camera by quickly pressing the **Home** key twice.

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- **Send SOS messages**: Send a quick alert to your primary contacts when you are in an emergency situation by pressing the **Power** key quickly three times.
  - **Send messages to**: Add recipients by creating new contacts or selecting from Contacts.
  - **Attach pictures**: Send pictures to your emergency contacts.
  - **Attach audio recording**: Send a short audio message to your emergency contacts.
- **Direct share**: Share content with specific people directly using the sharing panel from within any app.

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Device Maintenance

Device maintenance provides an overview of the status of your device's battery, storage, RAM, and device security. You can also automatically optimize your device's system resources.

Access Device Maintenance

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Device maintenance**.

Quick Optimization

The quick optimization feature improves device performance through the following actions:

- Identifying apps that use excessive battery power and clearing unneeded items from memory.
- Deleting unnecessary files and closing apps running in the background.
- Scanning for malware.

To use the quick optimization feature:

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Device maintenance**.
3. Tap **Optimize now**.

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Battery

View how battery power is used for device activities.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Device maintenance** > **Battery** for options:
   - **Battery usage**: View details of battery usage by item.
   - **Power saving mode**: Extend battery life by selecting a power saving mode level. Choose **Off**, **Mid**, or **Max**. Estimated remaining battery life for each mode is provided.
   - **App power monitor**: Put apps to sleep so that they do not use battery power when not in use. Tap **Save power** to enable.
   - **Unmonitored apps**: Select apps to exclude from being put to sleep by the App power monitor.
   - **More options**:
     - **Notification settings**: Configure battery notifications.
     - **Advanced settings**: Configure advanced battery settings.

Storage

View the device memory and usage. Mount, unmount, or format an optional memory card (not included).

Device Memory

View and manage the memory used by the device.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Device maintenance** > **Storage**. Used memory is divided into:
   - Documents
   - Images
   - Audio

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- Videos
- Apps

To increase available memory:

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Device maintenance** > **Storage**.
3. Tap **Clean now** and follow the prompts.

Memory Card (SD Card)

Once an optional memory card (not included) has been installed in your device, the card memory is displayed in the Storage setting.

For more information, see "Install a Memory Card" on page 6.

Mount a Memory Card

When you install an optional memory card, it is automatically mounted (connected to the device) and prepared for use. However, should you unmount the card without removing it from the device, you need to mount it before it can be accessed.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Device maintenance** > **Storage**.
3. Tap **More options** > **Storage settings**.
4. Under **Portable storage**, tap your SD card, and then tap **Mount**.

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Remove a Memory Card

Warning: To prevent damage to information stored on the memory card, unmount the card before removing it from the device.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Device maintenance** > **Storage**.
3. Tap **More options** > **Storage settings**.
4. Under **Portable storage**, tap your SD card, and then tap **Unmount**.
5. Insert the removal tool into the hole on the SIM card/Memory card tray, and push until the tray pops out.
6. Remove the memory card from the tray, and slide the tray back into the slot.

Format a Memory Card

Warning: When formatting an SD card, you should back up your music and photo files that are stored on the card because formatting the SD card deletes all the stored data.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Device maintenance** > **Storage**.
3. Tap **More options** > **Storage settings**.
4. Under **Portable storage**, tap your SD card, tap **Format**, and then follow the prompts.

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RAM

Check the amount of available RAM. You can close background apps and reduce the amount of RAM you are using to speed up your device.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Device maintenance** > **RAM**.
   - The used and available RAM are shown.
3. To free up as much RAM as possible, tap **Clean now** and follow the prompts.
   - The selected apps and services in the list will be closed.

Device Security

Configure and monitor security settings for your device.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Device maintenance** > **Device security**.
   - To enhance security for some of your content, tap the link for Secure Folder. For more information, see "Secure Folder" on page 135.
   - Tap **On/Off** to activate Knox active protection on your device.

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Applications Settings

Manage settings for applications on your device.

You can download and install new applications on your device. Use Application manager settings to manage your downloaded and preloaded applications.

Warning: Because this device can be configured with system software not provided by or supported by Google or any other company, you operate this software at your own risk.

If you have disabled apps, you can choose whether to display them.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Applications**.
3. If you have disabled applications:
   - Tap **Menu** at the top left of the screen.
   - Tap **All apps**, **Enabled**, or **Disabled**.
4. Tap **More options** for the following options:
   - **Sort by size/name**: Sort the apps by size or name.
   - **Default applications**: Choose or change apps that are used by default for certain features, like email or browsing the Internet.
   - **App permissions**: Control which apps have permissions to use certain features of your device.
   - **Show/Hide system apps**: Show or hide system (background) apps.
   - **Apps that can appear on top**: Choose apps that can run on top of other running apps.
   - **Change system settings**: Select which apps can change system settings.

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- **Reset app preferences**: Reset options that have been changed. Existing app data is not deleted.

5. Tap an application to view and update information about the application. The following options are displayed:

   - **Uninstall/Disable**: Uninstall or disable the application. Preloaded apps can only be disabled.
   - **Force stop**: Stop an app that is misbehaving. Restart your device if stopping an app, process, or service causes your device to stop working correctly.
   - **Mobile data**: View mobile data usage.
   - **Battery**: View battery usage since the last full charge.
   - **Storage**: Manage the app's storage usage.
   - **Memory**: View memory usage.
   - **Notifications**: Configure notifications from the app.
   - **Permissions**: View permissions granted to the app for access to your device's information.
   - **Set as default**: Set the app as a default for a certain category of apps.

Note: Options vary by application.

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Lock Screen and Security

Secure your device and protect your data with Lock Screen and Security settings.

Set a Screen Lock

It is recommended that you secure your device using a Screen lock.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Lock screen and security** > **Screen lock type** to select a screen lock and level of security:
   - **Swipe**: Swipe the screen to unlock it. This option provides no security.
   - **Pattern**: Create a pattern that you draw on the screen to unlock your device. This option provides medium security.
   - **PIN**: Select a PIN to use for unlocking the screen. This option provides medium to high security.
   - **Password**: Create a password for unlocking the screen. This option provides high security.
   - **None**: Do not lock the screen.
3. Select your notification preferences, if you choose a secured lock screen option:
   - Show content
   - Hide content
   - Do not show notifications

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4. Choose a screen lock option:
   - **Info and app shortcuts**: Display a dual clock, owner information, or app shortcuts on the Lock screen.
   - **Notifications on lock screen**: Show notifications on the Lock screen.
   - **Secure lock settings**: Set your secure lock functions such as Secured lock time and Smart lock. This option is not available with Swipe.

Note: Options vary based on the screen lock type.

Find My Mobile

Protect your device from loss or theft allowing your device to be locked, tracked, and for your data to be deleted remotely.

► To access your device remotely, visit findmymobile.samsung.com.

Note: You must sign up for a Samsung account and enable Google location service to use Find My Mobile.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Lock screen and security** > **Find My Mobile**.
3. Enter your Samsung account password or, if you are not logged in to your Samsung account, tap **Add account** and follow the prompts. The following options are available:
   - **Remote controls**: Activate or deactivate Remote controls, which allows you to access your device remotely.
   - **Google location service**: Activate or deactivate Google location service. This service must be on in order to find your device.
   - **SIM change alert**: Prevent unauthorized changes to your SIM card by being alerted whenever an app or service attempts to change data on your SIM card.

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Unknown Sources

Enable installation of non-Google Play applications.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Lock screen and security** > **Unknown sources** to enable this option.

Warning: Enabling installation of third-party applications can cause your device and personal data to be more vulnerable to attacks by unknown sources.

Secure Folder

Lock your private content and apps to enhance security. You must sign in to your Samsung account in order to use Secure Folder. You must also set a secure lock for your device.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Lock screen and security** > **Secure Folder** and follow the prompts to secure content on your device.

Secure Startup

Protect your device by requiring a numeric PIN or password to be entered before it starts up.

Note: You must have a secured screen lock for this option to be available.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Lock screen and security** > **Secure startup** and select an option.

Encrypt SD Card

Require a numeric PIN or password to decrypt your optional memory card (not included) when you first access it after powering on your device.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Lock screen and security** > **Encrypt SD card**.
3. Tap **Encrypt SD card** and follow the prompts to encrypt all data on your memory card.

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Other Security Settings

Set Up or Change Password

Set up or change your password for Factory data reset.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Lock screen and security** > **Other security settings** >
   Set up/change password and follow the prompts.

Set Up SIM Card Lock

Require your SIM card PIN to unlock and use your SIM card.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Lock screen and security** > **Other security settings** > **Set up SIM card lock** and follow the prompts.
3. Tap **Lock SIM card** to enable the feature.
4. Tap **Change SIM card PIN** to create a new PIN.

View Passwords

Display password characters briefly as you type them.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Lock screen and security** > **Other security settings** > **Make passwords visible** to turn the feature on.

Security Update Service

Automatically receive security updates.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Lock screen and security** > **Other security settings** for the following Security update service options:
   - **Security policy updates**: Automatically or manually check for security policy updates.
     - Automatic updates can also be limited to only when your device is connected to a Wi-Fi network.

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- **Send security reports**: Use Wi-Fi to send security reports to Samsung for threat analysis.

Device Administration

Manage your device administrators and application installation privileges.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Lock screen and security** > **Other security settings** > **Device administrators**.
   - Tap **Android Device Manager** to allow it to lock or erase a lost device.

Credential Storage

Manage your security certificates. If a certificate authority (CA) certificate gets compromised or for some other reason you do not trust it, you can disable or remove it.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Lock screen and security** > **Other security settings** for the following Credential storage options:
   - **Storage type**: Select a storage location for credential contents.
   - **View security certificates**: Display certificates in your device's ROM and other certificates you have installed.
   - **User certificates**: View user certificates.
   - **Install from device storage**: Install a new certificate from storage.
   - **Clear credentials**: Erase the credential contents from the device and reset the password.

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Advanced Security Settings

Use these options to configure advanced security settings.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Lock screen and security** > **Other security settings** for the following advanced options:
   - **Trust agents**: Perform selected actions when trusted devices are connected.
     - To view Trust agents, set up a secured screen lock (Password, PIN, or Pattern). For more information, see "Set a Screen Lock" on page 133.
   - **Pin windows**: Pin an app on your device screen, preventing access to other features of your device.
   - **Usage data access**: View the applications that can access your device's usage history.
   - **Notification access**: View the applications that can access notifications you receive on your device.
   - **Do not disturb permission**: View which apps have permission to change the Do not disturb settings.

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Cloud and Accounts

Set up and manage accounts, including your Google Account, Samsung account, email, and social networking accounts.

Depending on the account, you can choose to synchronize your calendar, contacts, and other types of content.

Samsung Cloud

Keep your data safe by backing up and restoring your device. You can also sync your data from multiple devices.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Cloud and accounts** > **Samsung cloud**.
   - If a Samsung account has not been added, tap **Add account** and follow the prompts.
3. Once a Samsung account is configured, the following options are available:
   - **Cloud usage**: View how much cloud storage your data is using.
   - **Sync settings**: Tap the following items to enable or disable syncing:
     - **Contacts (Samsung account)**: Sync contact info.

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- **Calendar (Samsung account)**: Sync your events and tasks.
- **Samsung Notes**: Sync your notes and categories.
- **Internet**: Sync bookmarks, saved pages, and opened tabs from your browser.
- **Keyboard data**: Sync predictive text data.
- **Gallery**: Sync your images and videos.

- **Back up my data**: Choose which content from your device to back up to the cloud. Tap **Auto back up** to automatically back up your data every 24 hours.
- **Restore**: Choose the device that you have recently backed up and the backup package that you want to restore.
- ⋮ **More options**:
  - **Sync now**: Sync all selected settings for your Samsung account.
  - **Network settings**: Limit syncing data from your Samsung account to only when the device is connected to a Wi-Fi network.
  - **Remove account**: Remove your Samsung account.
  - **Contact us**: Contact Samsung.
  - **FAQ**: Launch the Samsung help web site to view additional information based on frequently asked questions.

Note: Options vary depending on whether or not you are logged in to a Samsung account.

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Accounts

Configure email, social networking, and other supported accounts.

Add an Account

You can add and manage all your email, social networking, and picture and video sharing accounts.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Cloud and accounts** > **Accounts** > **Add account**.
3. Tap one of the account types.
4. Follow the prompts to enter your credentials and set up the account.

Synchronize Accounts

You can synchronize your calendar, contacts, and other types of accounts.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Cloud and accounts** > **Accounts** > **[Account type]**.
3. Tap an account to view the sync settings for that account.
4. Tap individual data items to sync.
5. Tap **More options** > **Sync now** to synchronize the account.

Account Settings

Each account has its own set of settings. In addition, you can configure common settings for all accounts of the same type.

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Note: Account settings and available features vary between account types and service providers. Contact your service provider for more information on your account's settings.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Cloud and accounts** > **Accounts** > **[Account type]**.
3. Tap an account to configure that account's sync settings.
4. Tap other available options for the account type.

Remove an Account

You can remove accounts from your device.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Cloud and accounts** > **Accounts** > **[Account type]**.
3. Tap the account and then tap **More options** > **Remove account**.

Backup and Restore

Back up your data to your Samsung or Google accounts.

Samsung Account

Enable backup of your information to your Samsung account.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Cloud and accounts** > **Backup** for options:
   - **Back up my data**: Enable back up of your phone log, messages, and more through your Samsung account.
   - **Restore**: Use your Samsung account to restore your backup data.

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Google Account

Enable backup of your information to your Google account.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Cloud and accounts** > **Backup** for options:
   - **Back up my data**: Enable back up of application data, Wi-Fi passwords, and other settings to Google servers.
   - **Backup account**: Select a Google Account to be used as your backup account.
   - **Automatic restore**: Enable automatic restoration of settings from Google servers. When enabled, backed-up settings are restored when you reinstall an application.

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Google Settings

Configure your device's Google settings.

Customize Google

To customize your Google settings:

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Google**, and select an option to customize:
   - **Nearby**: Use your device's sensors to connect with nearby devices.
   - **Nearby discoveries**: View links when things around you are providing apps or websites.
   - **Location**: Configure your Google location settings.
   - **Ads**: Configure your Google advertising profile.
   - **Search & now**: Configure your Google search settings and Google Now settings.
   - **Security**: Configure the Android Device Manager and apps security settings.
   - **Set up nearby device**: Set up another device using Wi-Fi and Bluetooth.

Note: These options may change if you are signed in to your Google Account.

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Accessibility

Accessibility services are special features that make using the device easier for those with certain physical disabilities.

Note: You can download additional accessibility applications from the Google Play store.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Accessibility** for options:

Vision

- **Voice Assistant**: Give spoken feedback to assist blind and low-vision users.
  - Voice Assistant 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.
- **Voice Assistant help**: View help on using Voice Assistant.
- **Dark screen**: Keep the screen turned off at all times for privacy.
- **Rapid key input**: Release your finger to enter selection instead of double tapping.
- **Speak passwords**: Read the characters aloud as you enter your passwords.
- **Text-to-speech**: Set your preferred TTS engine and options. For more information, see "Text-to-Speech Options" on page 150.
- **Accessibility shortcut**: Quickly enable accessibility features in two quick steps.
- **Font size**: Set the font size.

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- **High contrast fonts**: Adjust the color and outline of fonts to increase the contrast with the background.
- **High contrast keyboard**: Adjust the size of the Samsung keyboard and change its colors to increase the contrast between the keys and the background.
- **Show button shapes**: Show buttons with shaded backgrounds to make them stand out.
- **Magnification gestures**: Use exaggerated gestures such as triple-tapping, double pinching, and dragging two fingers across the screen.
- **Color inversion**: Reverse the display of colors from white text on a black background to black text on a white background.
- **Color correction**: Adjust the color of the screen if you are color blind or have difficulty reading the display because of the screen color.

Hearing

- **Flash notification**: Set your camera light to blink whenever you receive a notification.
- **Turn off all sounds**: Turn off all notifications and audio for privacy.
- **Hearing aids**: Improve the sound quality for use with hearing aids.
- **Samsung subtitles (CC)**: Use Samsung subtitles with multimedia files when available.
- **Google subtitles (CC)**: Use Google subtitles with multimedia files when available.
- **Left/right sound balance**: Use the slider to set the left and right balance when using a stereo device.
- **Mono audio**: Switch audio from stereo to mono for use with one earphone.

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Dexterity and interaction

- **Universal switch**: Control your device with your customized switches.
- **Assistant menu**: Improve the device accessibility for users with reduced dexterity.
- **Press and hold delay**: Select a time interval for this action.
- **Interaction control**: Block areas of the screen from touch interaction. Disable auto screen rotation and hard key functions. Only show application notifications in the Notification panel and the Status bar.

More settings

- **Direct access**: Open your accessibility settings by pressing the **Home** key quickly three times in succession.
- **Notification reminder**: Beep at set intervals to remind you of any unread notifications.
- **Answering and ending calls**: Select shortcuts for answering and ending calls.
- **Single tap mode**: Dismiss or snooze alarms, calendar events, and timer alerts, and answer or reject incoming calls with a single tap.

Services

Additional accessibility apps may be downloaded from the Google Play store. Certain accessibility services you install may be configured here.

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General Management

Configure your device's language and input settings, manage date and time, and reset your device.

Language and Input

Configure your device's language and input settings.

Language

You can select a default language for your device's menus and keyboards.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **General management** > **Language and input** > **Language**.
3. Select a language from the list.

Default Keyboard

You can select a default keyboard for your device's menus and keyboards.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **General management** > **Language and input** > **Default keyboard**.
3. Select a keyboard.

Note: Additional keyboards can be downloaded from the Google Play store.

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Samsung Keyboard

Configure options for using the Samsung keyboard.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **General management** > **Language and input** > **Samsung keyboard** for options:
   - **Languages and types**: Set the keyboard type and choose which languages are available on the keyboard. To switch between languages, slide the Space bar sideways.
   - **Predictive text**: Predictive text suggests words that match your text entries, and can automatically complete common words. Predictive text can learn your personal writing style from your contacts, messages, Gmail, and social networking sites — improving its accuracy of predicting your text entries.
   - Additional keyboard settings provide assistance with capitalization, punctuation, and much more.

Google Voice Typing

Speak rather than type your text entries using Google Voice typing.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **General management** > **Language and input** > **Google voice typing** for options:
   - **Languages**: Select languages for Google voice typing.
   - **"Ok Google" detection**: Launch a Google search whenever you say "OK Google".
   - **Hands-free**: Allow requests with the device locked.
   - **Speech output**: Select options for spoken feedback.
   - **Offline speech recognition**: Download and install speech recognition engines, allowing you to use voice input while not connected to the network.

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- **Block offensive words**: Hide search results that contain offensive words.
- **Bluetooth headset**: Use audio input from a Bluetooth headset (not included) if one is connected.

Text-to-Speech Options

Configure your Text-to-Speech (TTS) options. TTS is used for various accessibility features, such as Voice Assistant. For more information, see "Accessibility" on page 145.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **General management** > **Language and input** > **Text-to-speech** for options:
   - **Preferred TTS engine**: Choose either the Samsung or Google Text-to-speech engine. Tap **Settings** next to each TTS engine for options.
   - **Speech rate**: Set the speed at which the text is spoken.
   - **Default language status**: Display the default language in use.

Pointer Speed

Configure pointer speed for an optional mouse or trackpad (not included).

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **General management** > **Language and input**.
3. Under **Pointer speed**, drag the slider to the right to go faster or to the left to go slower.

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Date and Time

By default, your device receives date and time information from the wireless network. When you are outside network coverage, you may want to set date and time information manually using the date and time settings.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **General management** > **Date and time**. The following options are available:
   - **Automatic date and time**: Receive date and time updates from the wireless network. When Automatic date and time is disabled, the following options are available:
     - **Set date**: Enter the current date.
     - **Set time**: Enter the current time.
     - **Select time zone**: Choose your local time zone.
   -
   - **Use 24-hour format**: Set the format for displaying time.

Report Diagnostic Info

This feature sends diagnostic information about your device when you are having technical problems.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **General management** > **Report diagnostic info**.
3. Read the consent information, and then tap **Yes** to enable this feature or tap **No thanks**.

Reset

Reset device and network settings. You can also reset your device to its factory defaults.

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Reset Settings

You can reset your device to its factory default settings, which resets everything except the security, language, and account settings. Personal data is not affected.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **General management** > **Reset** > **Reset settings**.
3. Tap **Reset settings**, and confirm when prompted.

Reset Network Settings

You can reset Wi-Fi, Mobile data, and Bluetooth settings with Reset network settings.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **General management** > **Reset** > **Reset network settings**.
3. Tap **Reset settings**, and confirm when prompted.

Factory Data Reset

You can reset your device to factory defaults, erasing all data from your device.

This action permanently erases ALL data from the device, including Google or other account settings, system and application data and settings, downloaded applications, as well as your music, photos, videos, and other files. Any data stored on an external SD card is not affected.

Note: When you sign in to a Google Account on your device, Factory Reset Protection is activated. This protects your device in the event it is lost or stolen. For more information, see "Factory Reset Protection" on page 13.

If you reset your device to factory default settings with the Factory Reset Protection (FRP) feature turned on, you must enter the user name and password for a registered Google Account to regain access to the device. You will not be able to access the device without the correct credentials.

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Warning: If you reset your Google Account password, you must wait 72 hours after changing your password to perform a factory data reset on your device.

Before resetting your device:

1. Verify that the information you want to keep has transferred to your storage area.
2. Log in to your Google Account and confirm your user name and password.

To reset your device:

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **General management** > **Reset** > **Factory data reset**.
3. Tap **Reset device** and follow the prompts to perform the reset.
4. When the device restarts, follow the prompts to set up your device.

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About Device

View information about your device, including current status, legal information, hardware and software versions, and more.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **About device**, and then tap items for more details:
   - **Status**: View the status of the battery, network, and other information about your device.
   - **Legal information**: View legal notices and other legal information, including your embedded Samsung legal information.
   - **Device name**: View and change your device's name.
   - Additional device information includes the Model number, Android version, Build number, and more.

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Software Update

Check for and install available software updates for your device.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Software update** for the following options:
   - **Check for updates**: Check for software updates.
   - **Check software version**: Check the version number for the software installed on your device.
   - **Bootstrap settings**: View your bootstrap settings.

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SAMSUNG

MOBILE
PHONE

Product Safety & Warranty Information

Please read this manual before operating your device and keep it for future reference. This document contains important terms and conditions with respect to your device. By using this device, you accept those terms and conditions.

Legal Information

Important legal information can be accessed in writing on the mobile device or on samsung.com

READ THIS INFORMATION BEFORE USING YOUR MOBILE DEVICE.

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Full written terms and detailed information about the warranty and obtaining service are available on the device at: Settings ➔ About phone ➔ Legal Information ➔ Samsung legal or you may access the online version of the Health/Safety and Warranty guide for your device at:

English:
www.samsung.com/us/Legal/Phone-HSGuide

Spanish:
www.samsung.com/us/Legal/Phone-HSGuide-SP

Location of Legal Information on the device:

Health and Safety Information

- Settings ➔ About phone ➔ Legal information ➔ Samsung legal ➔ Health and Safety

Warranty

- Settings ➔ About phone ➔ Legal information ➔ Samsung legal ➔ Warranty

End User License Agreement (EULA)

- Settings ➔ About phone ➔ Legal information ➔ Samsung legal ➔ End User License Agreement

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WARNING! This product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information, please call 1-800-SAMSUNG (726-7864).

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USING CUSTOM OPERATING SYSTEM SOFTWARE MAY CAUSE YOUR DEVICE AND APPLICATIONS TO WORK IMPROPERLY. YOUR CARRIER MAY NOT PERMIT USERS TO DOWNLOAD CERTAIN SOFTWARE, SUCH AS CUSTOM OS.

IF YOUR CARRIER PROHIBITS THIS, IF YOU ATTEMPT TO DOWNLOAD SOFTWARE ONTO THE DEVICE WITHOUT AUTHORIZATION, YOU WILL BE NOTIFIED ON THE SCREEN THAT THE DEVICE WILL NO LONGER OPERATE AND BE INSTRUCTED TO POWER DOWN THE DEVICE. YOU MUST THEN CONTACT YOUR CARRIER TO RESTORE THE DEVICE TO THE CARRIER AUTHORIZED SETTINGS.

Samsung KNOX

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Do you have questions about your Samsung Mobile Device?
For 24 hour information and assistance, we offer a new FAQ/ARS System (Automated Response System) at:
www.samsung.com/us/support

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Section 1: Health and Safety Information

This section outlines the safety precautions associated with using your phone. The terms “mobile device” or “cell phone” are used in this section to refer to your phone. **Read this information before using your mobile device**.

Specific Absorption Rate (SAR) Certification Information

Your wireless device 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 devices 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 devices 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 device 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 device while operating can be well below the maximum reported value. This is because the device 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 device.

Before a new model device 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 device 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

1.5 cm 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 device has a FCC ID number: A3LSMJ727V [Model Number: SM-J727V] and the specific SAR levels for this device can be found at the following FCC website: www.fcc.gov/oet/ea/

The SAR information for this device can also be found on Samsung's website: www.samsung.com/sar

SAR information on this and other model devices 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, this site uses the device FCC ID number which is usually printed somewhere on the case of the device. Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular device, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular device. Additional SAR information can also be obtained at 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 CMAS. If your wireless provider has chosen to participate in CMAS, 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.

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.

Note: Dispose of unwanted electronics through an approved recycler.

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.

Note: Most carriers will provide a take-back option for products to be properly disposed when purchasing new products.

For battery recycling, go to ***call2recycle.org*** or call **1-800-822-8837**.

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.

Note: Samsung-branded devices and batteries will be accepted at these locations for no fee.

To find the nearest recycling location, go to any of the following:

- www.samsung.com/recyclingdirect or call 1-877-278-0799.

- PLUG-IN to eCYCLING with EPA: www.call2recycle.org/

Mail It In

The Samsung Mobile Take-Back Program will provide Samsung customers with a free recycling mailing label.

For more information, go to: https://pages.samsung.com/recycling/index.jsp and follow the on-screen instructions or call 1-800-822-8837.

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.

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. 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.

To make an emergency call:

1. If the mobile device is not on, switch it on.
2. Open your phone dialer.
3. Enter the emergency number for your present location (for example, 911 or other official emergency number), then tap Call/Send. Emergency numbers vary by location.

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.

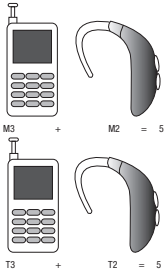
T-Ratings: Mobile devices rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. T4 is the better/higher of the two ratings. T-ratings refer to enabling inductive coupling with hearing aids operating in telecoil mode.

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 device 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 device that have not been tested yet for use with hearing aids.

It is important to try the different features of this device 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 device for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or device retailer.

Caution! Some applications or prolonged usage may increase device temperature. Prolonged skin contact with a device that is hot to the touch may produce skin discomfort or redness, or low-temperature burns. If the device feels hot to the touch, discontinue use and close all applications or turn off the device until it cools. Always ensure that the device has adequate ventilation and air flow. Covering the device with bedding, your body, thick clothing or any other materials that significantly affect air flow may affect the performance of the device and poses a possible risk of fire or explosion, which could lead to serious bodily injuries or damage to property.

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.

Section 2: Online Legal Information

SAMSUNG ELECTRONICS AMERICA, INC. (“SAMSUNG”) warrants that SAMSUNG’s devices and accessories (“Products”) are free from defects in material and workmanship under normal use and service.

Samsung Electronics America, Inc.

85 Challenger Road

Ridgefield Park, New Jersey 07660

Phone: 1-800-SAMSUNG (726-7864)

End User License Agreement for Software (EULA)

The EULA for this device can be found:

- Online at: www.samsung.com/us/Legal/SamsungLegal-EULA4

Health/Safety and Standard Limited Warranty Guide (Terms & Conditions of Sale)

The online version of the Health/Safety and Warranty guide for your device can be found at:

- English: www.samsung.com/us/Legal/Phone-HSGuide
- Spanish: www.samsung.com/us/Legal/Phone-HSGuide-SP

Procedures for Dispute Resolution/30-day Arbitration and Opt-Out Policy

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. The AAA Rules are available online at adr.org or by calling the AAA at 1-800-778-7879. 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@sea.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 1-800-SAMSUNG (726-7864) 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. [013016]

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