User Guide

Samsung GALAXY S5

Samsung GALAXY S5

SMARTPHONE

User Manual

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

Legal Notices

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).

Note: Water-resistant and dustproof based on IP67 rating, which tests submersion up to 1.0 meters for up to 30 minutes.

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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 PHONE 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.

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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.

Legal Information

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

READ THIS INFORMATION BEFORE USING YOUR MOBILE DEVICE.

Samsung Limited Warranty - This product is covered under the applicable Samsung Limited Warranty **INCLUDING ITS DISPUTE RESOLUTION PROCEDURE and your right to opt out of arbitration within 30 calendar days of the first consumer purchase. You may opt out by either sending an email to optout@sea.samsung.com with the subject line "Arbitration Opt-Out" or by calling 1-800-SAMSUNG (726-7864).** For more detailed procedures, please refer to the "Dispute Resolution Procedures and Arbitration and Opt-Out" section of the Limited Warranty.

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
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.

Front View

Earpiece

Status light

Volume key

Recent

Home key/Finger scanner

Proximity sensors

Front camera

Power key

Back

Front Features

- **Proximity sensor**: Detect the presence of objects near the device.

- **Front camera**: Take self-portraits and record videos of yourself.

- **Power key**: Press and hold to turn the device on or off, restart it, or for quick access to Airplane and Emergency modes. Press to lock or wake up the screen.

- **Back**: Return to the previous screen or close a dialog box, menu, or keyboard. Touch and hold for Multi window™.

- **Home key/Finger scanner**: Return to the Home screen. Activate the Fingerprint security feature.

- **Recent**: Tap to display recent apps, or touch and hold for Home screen options.

- **Volume key**: Adjust the volume of your device's sounds and audio playback.

- **Status light**: Display a light when the battery is low, charging, or fully charged, when a notification arrives, or when recording voice.

- **Earpiece**: Listen to a call.

Back View

Headset jack

Microphone

Infrared transmitter

Rear camera

Flash

Heart rate sensor

Speaker

USB charger/Accessory port

Microphone

Back View

- **Microphone**: Record audio and detect voice commands.

- **Infrared transmitter**: Controls external devices using infrared light.

- **Rear camera**: Take pictures and record videos.

- **Heart rate sensor**: Measure your heart rate using your fingertip when using the S Health™ app. For more information, see "S Health" on page 109.

- **USB charger/Accessory port**: Connects the USB charger (included) and optional accessories (not included).

- **Speaker**: Play music and other sounds.

- **Flash**: Illuminate subjects in low-light environments when taking a photo or recording video.

- **Headset jack**: Connect an optional headset.

Assemble Your Device

This section helps you to assemble your device.

Maintaining Water and Dust Resistance

This device is rated IP67 using the Ingress Protection rating system.

Your device has been tested in a controlled environment and shown to be water and dust resistant in certain circumstances (meets requirements of classification IP67 as described by the international standard IEC 60529 - Degrees of Protection provided by Enclosures [IP Code]; test conditions: 15-35°C, 86-106 kPa, 1.0 meters, for 30 minutes). Despite this classification, your device is not impervious to water damage in any situation. It is important that all compartments are closed tightly.

Follow these tips carefully to prevent damage to the device.

- Whenever your device gets wet, dry it thoroughly with a clean, soft cloth.

- Do not expose the device to salt water or ionized water, or to water over 1.0 meters deep for more than 30 minutes. If your device is exposed to fresh water, dry it thoroughly with a clean, soft cloth. If the device is exposed to any liquid other than fresh water, rinse the device with fresh water immediately and dry it thoroughly with a clean, soft cloth. Failure to rinse the device in fresh water and dry it as instructed may cause the device to suffer from operability or cosmetic issues.

- Do not expose the device to water at high pressure.

- If the device is dropped or receives an impact, the water and dust resistant features of the device may be damaged.

- The touchscreen and other features may not work properly if the device is used in water or in other liquids. [040616]

Remove the Back Cover

Remove the back cover using the slot on the top left of your device.

► Lift the cover up and to the right of the device.

Warning: Do not bend or twist the back cover excessively. Doing so may damage the cover.

Replace 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.

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

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

Important: To prevent water and dust from entering the device, remove any dust on the O-Ring and ensure the SIM card tray is closed tightly.

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 is not detected.

Install a Memory Card

You can install an optional microSD™ or microSDHC™ 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.

▶ With the gold contacts facing down, carefully slide the memory card into the slot.

Install the Battery

To install the battery:

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

To replace the back cover:

1. Place the back cover onto the back of the device and press down.
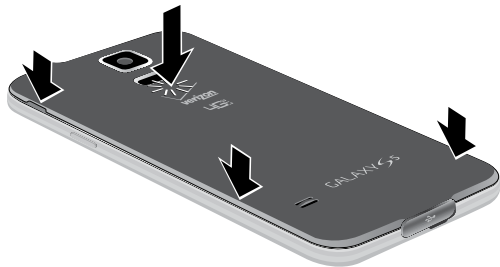
2. Press along the edge of the back cover until you have a secure seal.

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. A fully discharged battery requires up to four hours of charge time. 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.

Note: You should dry the inside of the charging port before inserting a power connector to charge your device. If the charging port is not fully dry, your device may operate abnormally. For example, it may charge more slowly or overheat.

1. Insert the USB cable into the port.
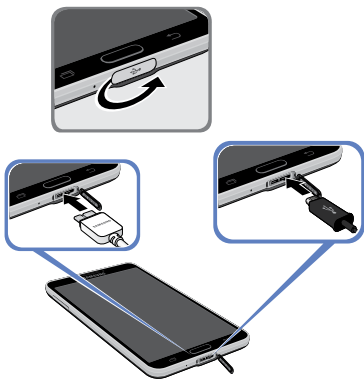
2. Connect the USB cable to the charging head, and then plug the charging head into a standard outlet.

3. Unplug the charging head from the outlet and remove the USB cable from the device when charging is complete.

Caution: Failure to unplug the wall charger before you remove the battery can cause damage to the device.

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 .

Set Up Your Device

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.

Setup Wizard

The first time you turn your device on, the Setup wizard displays. 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.

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 152.

To unlock the device:

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

Set Up Accounts on Your Device

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 186.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings** > **Accounts**.

2. Tap ➕ **Add account** > **Google**.

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 186.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings** > **Accounts**.

2. Tap ➕ **Add account** > **Samsung account**.

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.

Home Screen

The Home screen is the starting point for using your device.

Notification icons

Status icons

Status bar

Widget

App shortcuts

App folder

Home screen indicator

Primary app shortcuts

Apps list

12:45 PM

12:45 PM

Thu, April 28

Tap here to add a city

Google

Email

Camera

Play Store

Google

Phone

Contacts

Message+

Chrome

Apps
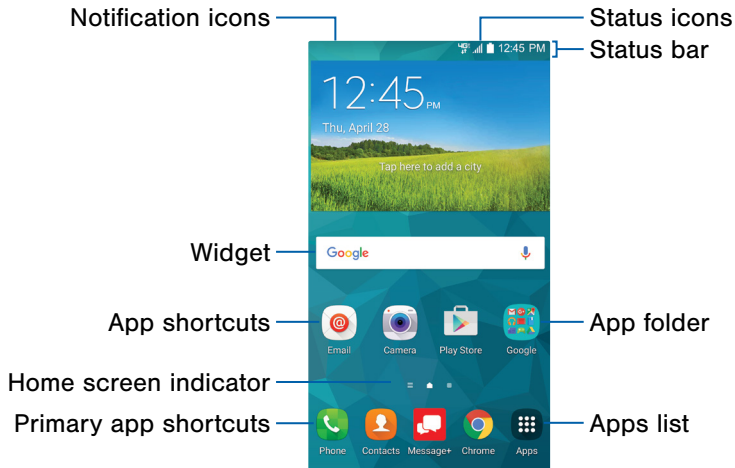
Home Screen Features

- **Status icons**: Displays information about the device, such as the network signal strength, battery level, and the time.

- **Status bar**: Displays device status icons (right) and notification icons (left).

- **App folder**: Groups multiple apps into a folder.

- **Apps list**: Allows quick access to all of your applications.

- **Primary app shortcuts**: Displays these shortcuts on all Home screens.

- **Home screen indicator**: Indicates which Home screen is currently visible.

- **App shortcuts**: Launches your favorite applications.

- **Widget**: Runs as a simple application extension (not a shortcut) on a Home screen.

- **Notification icons**: Displays new messages and emails, available software updates, and more.

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

To access Home screen manager:

► From a Home screen, pinch the screen.

– or –

Touch and hold an empty space on the screen.

– or –

Touch and hold ⬚ **Recent**.

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.

- Tap **Home screen settings**, and then tap an option to customize:

  - **Transition effect**: Select a transition to use when swiping between screens.

  - **Flipboard Briefing**: Swipe to the left of the screens to find the Flipboard Briefing screen. To enable or disable this feature, tap **On/Off** at the top of the screen.

Wallpapers

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** to customize.

For more information, see <u>"Wallpaper" on page 151</u>.

To access Wallpaper settings:

► From a Home screen, tap ⊞ **Apps** > ⚙ **Settings** > **Wallpaper**.

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.

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.

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.

2. Drag the shortcut onto 📁 **Create folder** and release.

   - **Enter folder name**: Enter a name for the folder.

   - 🎨 **Palette**: Change the color.

   - ➕ **Add application**: Place additional apps in the folder, and then tap **Done**.

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.

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.

Use Folders

- To open a folder and access the shortcuts inside, tap it.

- To add app shortcuts to a folder, touch and hold the app shortcut, and then drag it onto the folder and release.

- To change the folder's color scheme, tap 🎨 **Palette**.

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.

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.

Status Icons	
	Mute mode: Mute mode is enabled.
	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.

Status Icons

NFC enabled: NFC (Near Field Communication) is enabled.

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.

Notification Icons

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.

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.

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.

Motions and Gestures

Control your device by making specific gestures with your hand above the device's screen.

To access the Motions and gestures settings:

► From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Motions and gestures**.

For more information, see <u>"Motions and Gestures" on page 184</u>.

Notification Panel

Notification icons on the Status bar display calendar events, device status, and more. For details, open the Notification panel.

Settings

View all

Quick settings

Screen brightness

Notification card

Clear notifications

2:01 PM Thu, 14 April

Wi-Fi Location Sound Screen rotation Bluetooth

Auto

Screenshot captured 2:00 PM
Tap to view screenshot.

Connected as a media device
Touch for other USB options.
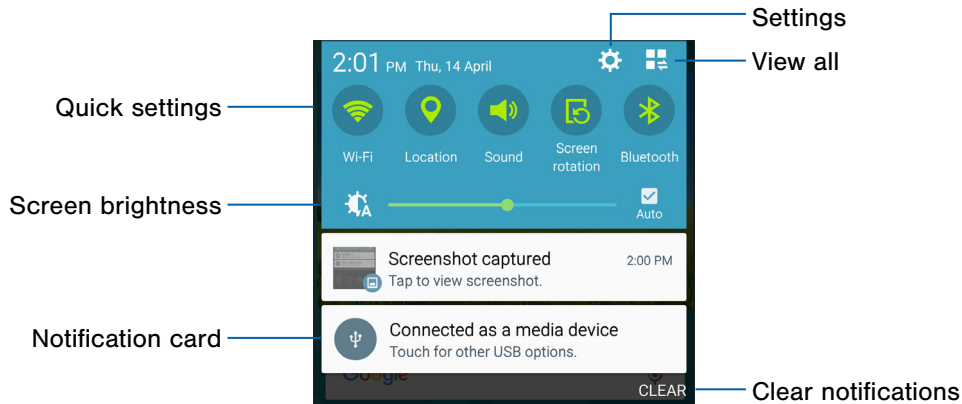
CLEAR

- **Settings**: Display the Settings screen.

- **View all**: See all available Quick settings.

- **Clear notifications**: Clear all notifications.

- **Notification card**: View details about a notification.

- **Screen brightness**: Adjust screen brightness.

- **Quick settings**: Quickly enable or disable a feature.

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:

1. Drag the Status bar down to display the Notification panel.

2. Swipe left or right across the visible icons.

   – or –

   Tap ⊞ **View all**.

Notification Panel Settings

To customize the Notification panel:

► From a Home screen, tap ⊞ **Apps** > ⚙ **Settings** > **Notification panel**.

For more information, see "Notification Panel Settings" on page 155.

Multi Window

Multitask by using multiple applications at the same time.
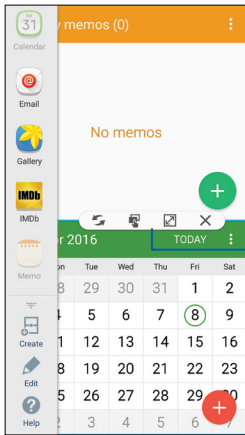
Window controls

Activate Multi Window

Apps that support Multi window display together on a split screen. You can switch between the apps, adjust the size of their display on the screen, and copy information from one app to the other.

Note: Multi window is not available for all apps.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings** > **Multi window**.

2. Tap **On/Off** to activate.

3. Tap the following option to activate it:

   • **Open in Multi window view**: Automatically view content in Multi window when you open files from My Files or Video player, or attachments from email.

Tip: You can also activate Multi window from the Notification Panel.

Use Multi Window

After enabling Multi window, you can use it to run multiple apps at the same time.

Note: Only apps located on the Multi window tray can be used together. Additional Multi window apps are available from the Google Play store.

The apps display together on a split screen. You can switch between the apps, adjust the size of their display on the screen, and copy information from one app to the other.

▶ Touch and hold ⤺ **Back** to display the tray, and then drag apps to the windows.

You can also launch recently used apps directly into Multi window view:

1. Tap ⬚ **Recent**.

   - Recently used apps that support Multi window have a ⬒ **Multi window** icon in their title bar.

2. Tap ⬒ **Multi window** in the title bar to launch an application in split screen view.

   - Other recently used apps that support Multi window display below the launched app.

3. Tap an app icon to add it to the split screen view.

Note: Only applications that support Multi window have the Multi window icon.

Window Controls

Select an app window, and then tap ⬤ **Window controls** in the middle of the window border.

Controls	
	Switch windows: Switch locations between Multi window apps.
	Drag and drop content: Move items between the app windows. Drag an item to share from one window to another. Not all applications support this feature.
	Maximize window: Open the selected app window in full screen view.
	Close app: Close the selected app.

Customize Multi Window

You can customize Multi window to suit your preferences.

Create a Window Group

If you use certain apps together in Multi window often, you can create a window group to quickly display the two apps in Multi window.

The window group is stored in the Multi window tray, so you can choose it any time to display the two apps.

1. Touch and hold ⤺ **Back** to display the tray, and then drag apps to the windows.

2. Scroll to the bottom of the Multi window tray, and then tap ⦂⦂⦂ **Tray Controls** > ⊞ **Create**.

Change the Order of Apps in the Multi Window Tray

1. Touch and hold ⤺ **Back** to display the Multi window tray.

2. Touch and hold an app, drag it to a new position in the tray and then drop it.

Choose Apps to Display in the Multi Window Tray

You can choose the apps you want to display in the Multi window tray.

1. Touch and hold ⤺ **Back** to display the Multi window tray.

2. Tap ⦂⦂⦂ **Tray Controls** > ✎ **Edit** for options:

   ● To remove an app from the tray, tap and drag it off of the tray and place it in the storage area.

   ● To add an app to the tray, tap and drag it from the storage area to the tray.

   ● To relocate an app, tap and drag it to a new location.

Multi Window Settings

To customize Multi window:

► From a Home screen, tap ▦ **Apps** >
   ⚙ **Settings** > **Multi window**.

For more details, see "Multi Window Settings" on page 154.

Enter Text

Text can be entered using a keyboard or by speaking.

Use the Samsung Keyboard

Enter text using a QWERTY keyboard.

Predictive text
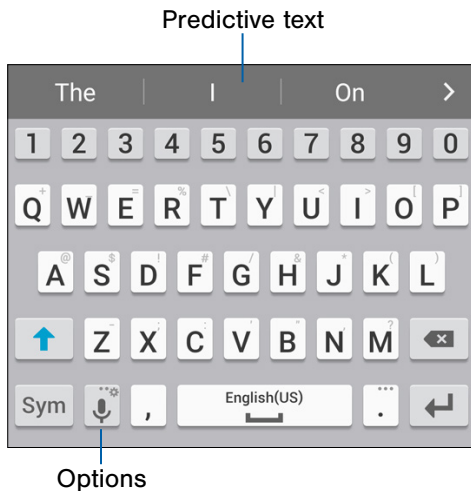
Options

Special Keys

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

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

Voice input: Enter text using Google Voice™ typing.

Handwriting: Use your handwriting to enter text.

Clipboard: Access the clipboard.

Keyboard settings: Access keyboard settings.

Emoticon: Insert an emoticon at the cursor position.

Keyboard types: Change the layout of the keyboard.

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

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 **Language and input** > **Samsung keyboard** for options.

For more information, see "Samsung Keyboard" on page 179.

Use Google Voice Typing

Instead of typing, enter text by speaking.

Speak now

Google

Settings   Delete text
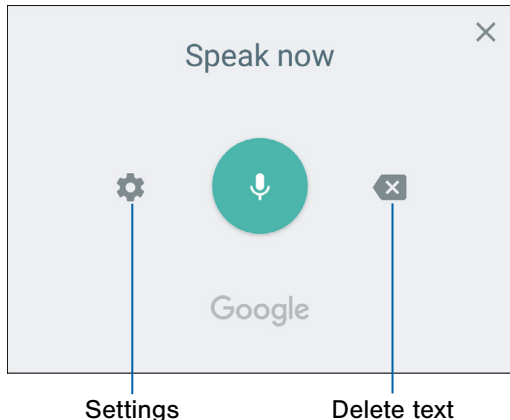
To enable Google voice typing:

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.

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 **Language and input** > **Google voice typing** for options.

For more information, see "Google Voice Typing" on page 180.

Use Swype

Swype™ is a text input method that makes it possible to enter a word by sliding your finger from letter to letter, lifting your finger between words.

For example, to enter the word "this", simply slide your finger across **t**-**h**-**i**-**s**.
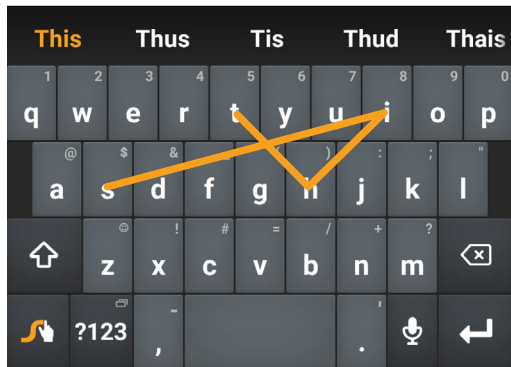
Enable Swype

To enable the Swype keyboard while entering text:

1. Drag down on the Status bar to display the Notification panel.

2. Tap **Select keyboard**.

3. Tap **Swype**.

Configure Swype

To customize Swype:

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings** > **Language and input**.

2. Tap **Swype** for options.

For more information, see "Swype Settings" on page 179.

Emergency Mode

Emergency mode conserves your device's remaining power when you are in an emergency situation.

Emergency mode saves battery power by:

- Changing the color of the screen to grayscale.

- Restricting application usage to only essential applications and those you select.

- Turning off Mobile data when the screen is off.

- Turning off connectivity features such as Wi-Fi and Bluetooth®.

Note: When Emergency mode is turned off, the Location settings may stay the same as they were in Emergency mode.

Activate Emergency Mode

To activate Emergency mode:

1. Press and hold the **Power** key to display the Phone options window.

2. Tap **Emergency mode**.

   - When accessing for the first time, read the Terms and conditions. If you accept them, tap the checkbox, and then tap **Agree**. Confirm when prompted.

3. Tap **Turn on**.

Turn Off Emergency Mode

▶ From the Emergency mode Home screen, tap
   ⋮ **More options** > **Turn off emergency mode**.

Use Emergency Mode

While in Emergency mode, your device conserves power. The following apps and features are available on the Home screen:

- **Flashlight**: Use the device's flash as a steady source of light.

- **Emergency alarm**: Sound an audible siren.

- **Message my location**: Send your location information to your emergency contacts.

- **Phone**: Launch the call screen.

- **Emergency alerts**: Receive geographically-targeted messages.

- **Add**: Add other available apps.

  - **Chrome**: Browse the Internet.

  - **Maps**: Launch Google Maps™.

- **Battery percentage**: Display estimated battery charge remaining.

- **Estimated max. standby time**: Display estimated standby time that can be reached based on current battery charge and usage.

- **Emergency call**: Dial the emergency telephone number (for example, 911). This kind of call can be made even without activated cellular service.

- **More options**:

  - **Turn off Emergency mode**: Disable Emergency mode and return to standard mode.

  - **Remove**: Choose apps to remove from the screen.

  - **Manage emergency contacts**: Add emergency contacts if none have been set in Safety Assistance.

  - **Settings**: Configure the available settings. Only a limited number of settings are enabled in Emergency mode.

Calling

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

Phone Screen

Use the Phone screen to access the dialer keypad, recent calls, favorites, and contacts.

Tabs

More options

Voicemail

Keypad

Voice command

Call
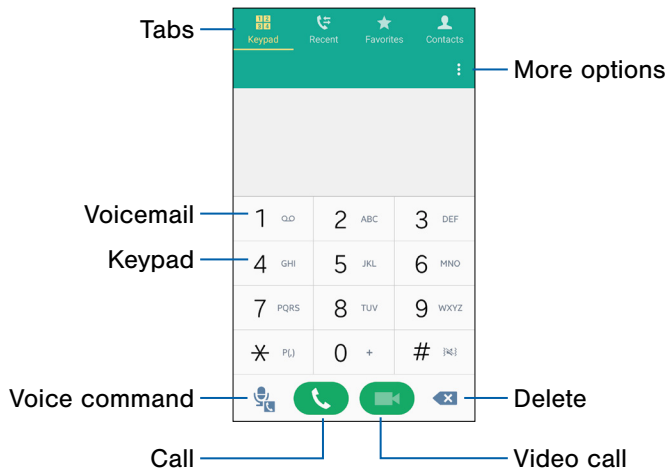
Video call

Delete

- **More options**: View additional options.

- **Delete**: Delete the numbers entered.

- **Video call**: Make video calls.

- **Call**: Make a call.

- **Voice command**: Say the number you want to dial.

- **Keypad**: Dial the number that you want to call.

- **Voicemail**: Set up and check your voicemail. For more information, see "Set Up and Access Voicemail" on page 52.

- **Tabs**: Display a log of all dialed, received, and missed calls. Display contacts marked as favorites. Display your contacts and select a contact to call. Tap **Keypad** to display the keypad.

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 phone** > **Status**.

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

Call Settings

There are a couple of ways to access the Call settings menu.

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

– or –

From a Home screen, tap ⊞ **Apps** > ⚙ **Settings** > **Applications** > **Call**.

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 📞 **Dial**.

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. While viewing your contacts list, swipe your finger across a contact to the right to call the contact.

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 **Recent**. A list of recent calls is displayed.

3. Tap a contact, and then tap 📞 **Call**.

Wi-Fi Calling

You can make voice and video calls over a Wi-Fi Internet connection. For Wi-Fi calling to work, you must activate Advanced Calling first. For more information, see

Video Calls

To activate Video calling:

1. From a Home screen, tap 📞 **Phone** > **More** > **Settings**.

2. Tap **Video calling** to enable.

To make Video calls:

1. From a Home screen, tap 📞 **Phone**.

2. Enter a saved number (an existing contact) and tap 📹 **Video call**.

Note: Not all devices support Video calling. The caller has the option to accept the video call or answer the call as a regular voice call.

To switch from a Phone call to a Video call after dialing:

▶ Tap 📷 **Camera** to request two-way video calling.

– or –

Tap 🎞 **One-way camera** to only send video to your recipient.

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 📹 **Video answer** to the right to answer the call as a video call.

● Drag 🚫 **Reject** to the left to reject the call and send it to your voicemail.

● Drag **Reject call with 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 🚫 **Reject** to reject the call and send it to your voicemail.

● Tap **Reject call with message** and select a message.

End a Call

To finish your call:

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

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 functions that you can use during a call.

Adjust the Call Volume

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

– or –

Quickly add more volume to the incoming audio by tapping ⋮ **More options** > **Extra volume**.

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 use a Bluetooth headset (not included).

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 📞 **Dial**. When the call is answered:

   • Tap ⤳ **Merge** to hear both callers at once (multi-conferencing).

Call Waiting

If your service plan supports this feature, you can answer an incoming call while you have a call in progress. You are notified of an incoming call by a call waiting tone.

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

1. Drag 📞 **Answer** in any direction to answer the new call.

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

Video Call Options

The following camera options are available during a video call:

• OFF **Camera**: Turn your camera on or off.

   – The option depends on whether your camera is currently on or off.

• 📷 **Switch**: Switch between the rear and front cameras.

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 **Recent**. 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** > **Recent**.

2. Tap the call that contains the information that you want to save to your Contacts list.

3. Tap **Create contact**.

    – or –

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

Delete a Call from the Call Log

To delete Call log entries:

1. From a Home screen, tap 📞 **Phone** > **Recent**.

2. Touch and hold the call you want to delete from the Call log.

3. Tap **Delete**.

Add a Call to the Reject List

By adding a caller to your Reject list, future calls from this number are sent directly to your voicemail.

1. From a Home screen, tap 📞 **Phone** > **Recent**.

2. Tap the caller you want to add to the Reject list.

3. Tap ⋮ **More options** > **Add to auto reject list**.

Speed Dial

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

Create a Speed Dial

You can assign 100 speed dial numbers.

1. From a Home screen, tap 📞 **Phone**.

2. Tap ⋮ **More options** > **Speed dial**. The Speed dial screen displays the numbers 1 through 100. Number 1 is reserved for Voicemail.

3. Tap an unassigned number (**Add contact**).

4. Tap a contact to assign to the number.

   - The selected contact displays in the Speed dial number box.

Use Speed Dial to Make a Call

You can make a call using Speed dial.

1. From a Home screen, tap 📞 **Phone** > ▦ **Keypad**.

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**.

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 📞 **Dial**.

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.

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 📞 **Dial**.

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 📞 **Dial**.

4. Complete your call. During this type of call, you have access to most in-call features.

Set Up and Access Voicemail

Set up and configure your voicemail.

Set Up Your Voicemail

You can set up 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.

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.

Applications

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

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 .

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.

3. 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.

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 ⋮ **More options** > **Uninstall/disable apps**. 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.

To enable apps after disabling them:

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings** > ⊞ **Applications** > **Application manager**.

2. Tap ▼ **All apps** and choose **Turned off**.

3. Tap the app you want to enable, and then tap **Enable**. The app displays again in the Apps list.

Organize Your Apps

The Apps icons can be organized in folders and listed alphabetically or in your own custom order.

Change the Order Apps Are Listed

1. From a Home screen, tap ⊞ **Apps**.

2. Tap ⋮ **More options** > **Sort by**.

3. Tap an option:

   ● **Custom**: Touch and hold, and then drag app icons to arrange them in any order.

   ● **Alphabetical order**: App icons are arranged in alphabetical order.

Use Folders to Organize Apps

To create a folder:

1. From a Home screen, tap ⊞ **Apps**.

2. Tap ⋮ **More options** > **Create folder**.

3. Enter a folder name.

4. Tap ⊕ **Add application**, select apps to include in the folder, and then tap **Done**.

5. Tap a folder to view its apps.

   ● Tap an app to launch it.

   ● Tap 🎨 **Palette** to select a background color for the folder.

To delete a folder:

1. From a Home screen, tap ⊞ **Apps** > ⋮ **More options** > **Remove folder**.

2. Select the folder to delete and tap **Done**.

Hide or Show Apps

Show Hidden Apps

You can unhide apps you have hidden and put them back on the Apps list.

1. From a Home screen, tap ⊞ **Apps**.

2. Tap ⋮ **More options** > **Hide apps**.

3. Tap apps to hide, and then tap **Done**.

Show Hidden Apps

You can unhide apps you have hidden and put them back on the Apps list.

1. From a Home screen, tap ⊞ **Apps**.

2. Tap ⋮ **More options** > **Show hidden apps**.

3. Tap apps to unhide, and then tap **Done**.

Apps List Options

1. From a Home screen, tap ⊞ **Apps**.

2. Tap ⋮ **More options** for these options:

   - **Edit**: Touch and hold an app shortcut then drag it to:

     - ◉ **Create page**: Move the app to a new page.

     - ◼ **Create folder**: Create a new folder.

     - ℹ **App info**: View information about this app.

     - ⊞ **Remove**: Disable or uninstall the app.

   - **Create folder**: Create a new folder to hold apps.

   - **Remove folder**: Remove folders that you have created. This option is seen only if folders have been created.

   - **Sort by**: Choose how apps are listed.

   - **Downloaded apps**: View downloaded apps. Tap a shortcut on the Downloaded apps screen to launch the app.

   - **Uninstall/disable apps**: Uninstall an app that you downloaded to your device or disable a preloaded app (preloaded apps cannot be uninstalled). Tap ⊖ **Disable/Uninstall** to remove or disable the selected app.

   - **Hide apps**: Hide apps from the Apps list.

   - **Show disabled apps**: Display disabled apps. This option displays only if apps have been disabled.

   - **Show hidden apps**: Display hidden apps. This option displays only if apps have been hidden.

   - **Galaxy Essentials**: View and download Samsung apps that are optimized for use with Galaxy devices.

   - **Help**: View information about your device.

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 device.

Visit google.com/chrome/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™.

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.

Google Now

Works in the background to collect information you regularly look up and organize it into convenient cards that appear when you need them.

Visit google.com/landing/now to learn more.

Note: When Google Now™ is enabled, you can access it by tapping G **Google**.

Google+

Chat with friends and family, post photos, and see what others are sharing.

Visit google.com/mobile/+ to learn more about Google+™.

Hangouts

Meet friends and family online, share photos, host video calls, and send SMS and Hangouts messages.

Visit hangouts.google.com to learn more.

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 Maps. For more information, see "Location" on page 169.

Photos

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

Visit photos.google.com to learn more.

Play Books

Find millions of free e-books and hundreds of thousands more to buy in the eBookstore.

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

Play Games

Discover hundreds of games for download and purchase through the Google Play store.

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

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 Newsstand

Subscribe to your favorite magazines to read on your device at your leisure.

Visit play.google.com/store/newsstand 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.

Voice Search

Use voice commands to search the web with Google.

YouTube

View and upload YouTube™ videos right from your device.

Visit youtube.com to learn more.

Verizon Apps

Enjoy these applications from Verizon Wireless.

Note: Certain applications 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, and city and state.

Note: A subscription is required to use this service. Contact your wireless provider for details.

Cloud

Back up and access your data. You can also use Verizon Cloud® to transfer content between other devices.

Message+

Send text messages at a whole new level. Draw on pictures, share locations in real time, send audio messages, and much more. For more information, see "Message+" on page 95.

Mobile Hotspot

Configure your device as a Mobile Hotspot. For more information, see "Mobile Hotspot" on page 134.

My Verizon Mobile

View details and manage your Verizon Wireless account.

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

Setup Wizard

Setup and configure your phone at any time with this shortcut.

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.

VZ Protect

Protect your device from digital threats, including viruses and malware, risky web sites, and from people accessing the information on your device if it is ever lost or misplaced.

Additional Apps

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

Amazon

Shop at amazon.com™ from your device.

Visit amazon.com to learn more.

Amazon Kindle

Download books for reading right on your device. You must have an account with Amazon™ to use the Kindle™ app.

Amazon Music

Purchase, download, and play music from Amazon.

Audible

Download audio books to enjoy on your phone.

Visit audible.com to learn more.

Flipboard

Access your personalized magazines.

Visit flipboard.com to learn more.

go90

Watch primetime shows, live music, sports, and the best of the web. Follow your online favorites. Send must-share moments with the tap of a finger.

Help

View information on using your device's basic features and settings.

IMDb

Search movies and actors, view trailers and show times, explore top charts and box office information, and add movies and TV to your personal Watch list.

NFL Mobile

Stay on top of the game with breaking NFL news, up-to-minute scoring, in-game highlights, live videos and more.

Peel Smart Remote

Control select Wi-Fi-enabled Samsung TV models using your Samsung Galaxy device. Now you can control all of your TV's settings, such as on and off functions, channel navigation, and volume control from the same Samsung device you already know.

Polaris Office 5

Manage your documents online or offline with a Microsoft Office-compatible office suite. Polaris Office 5 can also open Adobe PDF (Portable Document Format) files.

Samsung Milk Music

Stream music with Samsung Milk Music™, a radio service that offers a simple way to find the music that is right for you. With a library of over 13 million songs and 200+ stations, the interactive dial makes it easy to skim through stations to find the perfect soundtrack for the moment.

Slacker Radio

Enjoy free Internet radio with your mobile device.

Calculator

The Calculator provides basic and advanced arithmetic functions.

Basic Operation

Use the phone as a calculator. The calculator provides the basic arithmetic functions: addition, subtraction, multiplication, and division.

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 C **Clear** to clear the results.

Additional Functions

To clear the calculator history:

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

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

► Touch and hold an entry in the display field.

Scientific Calculator

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

To use the Scientific calculator:

► When Screen rotation is enabled, turn the device to landscape.

Note: **Screen rotation** is found in the Quick settings of the Notification panel. For more information, see "Quick Settings" on page 27.

Calendar

Manage your events and tasks.

Create an Event or Task

1. From a Home screen, tap ⊞ **Apps** > ⑯ **Calendar**.

2. Tap ➕ **New event** and use one of the following methods:

   - **Add event**: Enter an event with an optional repeat setting.

   - **Add task**: Enter a task with an optional priority setting.

3. Enter details for the event or task, and then tap **Save**.

Share Events

1. From a Home screen, tap ⊞ **Apps** > ⑯ **Calendar**.

2. Tap an event or task to view it.

3. Tap ◄ **Share via**, select a sharing method, and follow the prompts.

Delete an Event or Task

1. From a Home screen, tap ⊞ **Apps** > 🗓 **Calendar**.

2. Tap an event or task to view it.

3. Tap 🗑 **Delete**.

To delete multiple events or tasks:

1. Tap ⋮ **More options** > **Delete**.

2. Select events or tasks.

3. Tap **Done**.

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.

Camera and Video

Take pictures and record videos with the Camera app.

Switch cameras

Shortcuts menu

Camera settings

Auto

Record video

Take a picture

Shooting mode
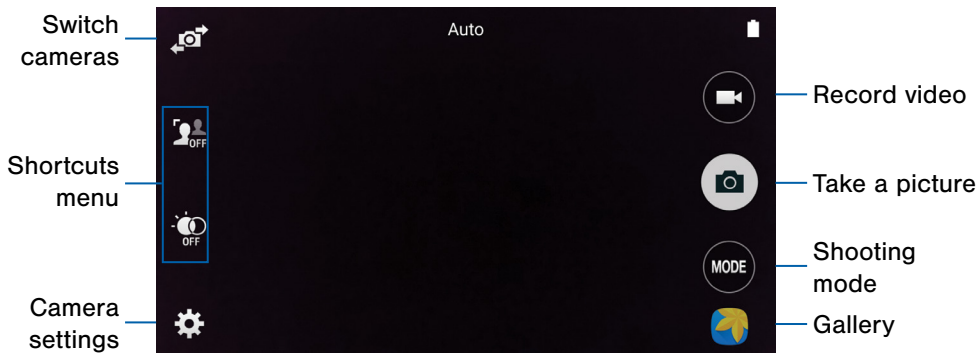
Gallery

- **Record video**: Tap to record a video.

- **Take a picture**: Tap to take a picture.

- **Shooting mode**: Tap to change the shooting mode.

- **Gallery**: Tap to open the Gallery to view photos and videos.

- **Camera settings**: Tap to change camera settings.

- **Shortcuts menu**: Tap to display up to three camera setting shortcuts on the viewfinder.

- **Switch cameras**: Tap to switch between the rear and front cameras.

Take Pictures

Take pictures with your device's front or rear camera or combine shots with Dual 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:

   - Touch the screen with two fingers and pinch or spread them on the screen to zoom in or out.

   - Tap the screen to focus on the area you touched.

3. Before taking the photo, you can tap the icons to access various camera options and settings. You can also touch the screen to move the focus field to the area you touch.

4. 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.

Quick Settings

Reorganize shortcuts for easy access to the camera's various options.

1. From a Home screen, tap ▦ **Apps** > ◉ **Camera**.

2. Tap ⚙ **Settings** to quickly change Camera settings. The available options vary by mode.

3. Touch and hold a settings icon and drag it to the left side of the screen.

4. Touch and drag a Quick setting icon to change the position of the icon or to change which Quick settings to use.

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. Tap 🔲 **Mode** to view the following options. Each section indicates which camera (front or rear) the modes are available for.

- **Auto**: Allow the camera to evaluate the surroundings and determine the ideal mode for the picture.

- **Beauty face**: Take a picture with lightened faces for gentler images.

- **Panorama**: Create a linear image by taking pictures in either a horizontal or vertical direction.

- **Virtual tour**: Create interactive virtual tours of your surroundings.

- **Shot & more**: Take a quick burst of pictures and apply effects to them.

- **Dual camera**: Take pictures and record videos using the front and rear cameras at the same time. A variety of picture-in-picture styles are available.

- **Manage modes**: Select which shooting modes to display when you tap 🔘 **Mode**.

- **Download**: Download additional shooting modes.

Camera Settings

Use Camera settings to configure the camera.

1. From a Home screen, tap ⊞ **Apps** > 📷 **Camera**.

2. Quick settings are listed across one side of the camera view finder. Available options vary depending on the camera or recording mode used. Default settings include:

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

   - **Burst shots**: Take a series of pictures of moving subjects.

- **Low-light detection**: Take brighter and clearer pictures without using the flash at night.

- **Face detection**: Detect faces in pictures for tagging with the person's name.

- **ISO**: Select an ISO value. This controls camera light sensitivity. It is measured in film-camera equivalents. Low values are for stationary or brightly-lit objects. Higher values are for fast-moving or poorly-lit objects.

- **Metering modes**: Select a metering method. This determines how light values are calculated. Center-weighted measures background light in the center of the scene. Spot measures the light value at a specific location. Matrix averages the entire scene.

- **Tap to take pics**: Tap the image on the preview screen to take pictures.

- **Selective focus**: Make objects stand out from the background. They must be within 1.5 feet from you, and at least 3 times this distance from the background.

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

- **Recording mode**: Select Normal, Limit for MMS, Slow motion, Fast motion, or Smooth motion mode.

- **Video stabilization**: Activate anti-shake. Anti-shake helps to keep the focus steady when the camera is moving.

- **Audio zoom**: While recording videos, zooming in on an object amplifies sound from that area and diminishes the surrounding sound.

- **Effects**: Add special graphical effects.

- **Flash**: Activate or deactivate the flash.

- **Timer**: Take time-delayed pictures or videos.

- **HDR (rich tone)**: Save the picture in HDR (rich tone) only.

- **Location tags**: Attach a GPS location tag to the picture.

- **Save as flipped**: Automatically save images as flipped in the Gallery.

  - This option is only available for the Front camera.

- **Storage location**: Select the memory location for storage.

- **Review pics/videos**: Set to show pictures or videos after taking them.

- **Remote viewfinder**: Take pictures using the viewfinder of a connected device. Wi-Fi Direct is required.

- **White balance**: Select an appropriate white balance, so images have a true-to-life color range. The settings are designed for specific lighting situations. These settings are similar to the heat range for white-balance exposure in professional cameras.

- **Exposure value**: Change the exposure value. This determines how much light the camera's sensor receives. For low light situations, use a higher exposure.

- **Grid lines**: Display viewfinder grid lines to help composition when selecting subjects.

- **Shutter sound**: Enable or disable a shutter sound every time you capture an image.

- **The volume key**: Use the Volume key as the camera key (to take pictures), the record key, or as a zoom key.

- **Voice control**: Set the camera to take pictures with voice commands.

- **Help**: View information on using the camera.

- **Reset settings**: Reset the camera settings.

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** > **Alarm** tab.

2. Tap ➕ **Create alarm**:

   ● **Time**: Set a time for the alarm.

   ● **Days**: Choose the days to use this alarm.

   ● **Repeat weekly**: Repeat the alarm every week.

   ● **Alarm type**: Choose whether the alarm uses sound, vibration, or vibration and sound to alert you.

- **Alarm tone**: If you have chosen an alarm type that includes sound, choose a sound to play for the alarm.

- **Volume**: If you have chosen an alarm type that includes sound, drag the slider to set the volume of the alarm.

- **Snooze**: Allow snoozing. Set a time interval and number of repeats for snoozing.

- **Smart alarm**: When on, the alarm starts playing a tone at a low volume at an interval before the alarm time, and slowly increases in volume. Choose a time interval and a tone to use with smart alarm. Available when you have chosen an alarm type that includes sound.

- **Name**: Enter a name for the alarm.

3. Tap **Done**.

Delete an Alarm

To delete an alarm:

1. From a Home screen, tap ⊞ **Apps** > ⏱ **Clock**.

2. Touch and hold an alarm, and then tap 🗑 **Delete**.

World Clock

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

1. From a Home screen, tap ⊞ **Apps** > ⏱ **Clock**.

2. Tap **World clock**.

To list a city on the main World clock screen:

1. Tap ╀ **Add city** and tap a city.

2. Repeat to add more cities.

To remove a city from the main World clock screen:

1. Tap ⋮ **More options** > **Delete**.

2. Touch and hold a city entry, and then tap 🗑 **Delete**.

Stopwatch

The Stopwatch lets you time events down to the 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.

   ● **Stop**: Pause the Timer.

   ● **Resume**: Resume the Timer.

   ● **Reset**: Reset the Timer.

Contacts

Store and manage your contacts with the Contacts app, which can be synchronized with a variety of your existing personal accounts, including Google, Email, Facebook, and your Samsung account.

For more information on connecting with and managing your accounts through your device, see "Accounts" on page 186.

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, which is a shortcut to the Contacts tab. To

access your Contacts list:

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

Find a Contact

You can search for a contact or scroll 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.

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, your SIM card, or sync it with an account.

   - Tap ⊕ **Contact photo** to assign a picture to the new contact.

   - Enter a name, phone number, email address, and assign the contact to a group, and choose a default ringtone.

     - Tap ➕ **Add** to enter additional entries.
     - Tap ➖ **Remove** to remove an entry.
     - Tap ⌄ **Expand** for additional fields.
     - Tap ▽ **Label** to choose a label for the field.

   - Tap **Add another field** to add more contact information.

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 additional fields to the contact's list of information.

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

2. Tap the contact to display it, and then tap ✎ **Edit**.

3. Tap any of the fields to add, change, or delete information.

4. Tap **Save**.

Share a Name Card

When you share a name card, the contact's information is sent as a vCard file (.vcf). 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 a contact to display it, and then tap ⋮ **More options** > **Share name card**.

3. Choose a sharing method and follow the prompts.

Link Contacts

When you have contacts from various sources, such as Gmail or Facebook, 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 display it.

3. Tap 🔗 **Linked contact**.

4. Tap **Link another contact**, and then select contacts to link to the original contact.

5. Tap **Done**.

Unlink Contacts

To unlink contacts:

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

2. Tap the contact to display it.

3. Tap 🔗 **Linked contact**.

4. Tap ━ **Separate** beside contacts to unlink them from the main contact.

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 checkbox to select all contacts.

3. Tap 🗑 **Delete**.

Favorites

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

Mark Contacts as Favorites

To mark a contact as a favorite:

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

2. Tap a contact to display it, and then tap ⭐ **Add to favorites** (the star brightens ⭐).

Remove Contacts from Favorites

To remove one or more contacts from your favorites list:

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

2. Tap a contact to display it, and then tap ⭐ **Remove from favorites** (the star dims ⭐).

Create a Shortcut to a Favorite

You can create a shortcut to a favorite on the Home screen, to access their information directly from the Home screen.

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

2. Tap **Favorites**, and then touch and hold a contact to select it.

3. Tap ⋮ **More options** > **Add shortcut to Home screen**. The new shortcut displays in an empty area of the Home screen.

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

To create a group:

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

2. Tap 👥 **Groups**, and then tap ✚ **Create group**.

3. Tap fields to enter information about the group:

   • **Create group in**: Choose where to save the group. You can save it to a specific account, to the device memory, or to all accounts.

   • **Group name**: Enter a name for the new group.

   • **Group ringtone**, **Group message tone**, and **Group vibration pattern**: 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

To rename a group:

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

2. Tap 👥 **Groups**, and then tap a group.

3. Tap ⋮ **More options** > **Edit group** and enter a new name.

4. Tap **Save**.

Add Contacts to a Group

To add contacts to a group:

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

2. Tap 👥 **Groups**, and then tap a group.

3. Tap ✚ **Add member**, and then tap the contacts you want to add.

4. Tap **Done**.

Send a Message or an Email to a Group

You can send a message or an email to members of a group.

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

2. Tap 👥 **Groups**, and then tap a group.

3. Tap ⋮ **More options** > **Send message or email**.

4. Tap either **Message** or **Email**.

5. Tap contacts to select them, or tap the checkbox at the top of the screen to select all, and then tap **Done**. Only group members that have phone numbers (Message) or email addresses (Email) in their records display.

6. Type your message and tap **Send**.

Delete a Group

Preset groups, such as Family, cannot be deleted.

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

2. Tap 👥 **Groups**.

3. Tap ⋮ **More options** > **Delete group**.

4. Tap groups to select them or tap the checkbox to select all, and then tap 🗑 **Delete**.

5. Tap **Group only** to only delete the group or tap **Groups and members** to delete the groups 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** > **Contacts**.

3. Tap an option and follow the prompts.

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** > ◉ **Email**.

Configure Email Accounts

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

1. From a Home screen, tap ▦ **Apps** > ◉ **Email**.

2. Follow the prompts to set up your email account.

3. When finished, tap **Done with accounts**.

To add another Email account:

1. From a Home screen, tap ▦ **Apps** > ◉ **Email**.

2. Tap ▤ **Menu** > **Manage accounts** > ✛ **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 displays 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 account settings.

Manage Multiple Email Accounts

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

1. From a Home screen, tap ⊞ **Apps** > ◉ **Email**.

2. Tap ☰ **Menu** at the top left of the screen to select:

   ● **Combined view**: View all email in a combined inbox.

   ● **[Account name]**: View email for only one email account.

Refresh Your Email Account

Refresh your account to update your email accounts.

1. From a Home screen, tap ⊞ **Apps** > ◉ **Email**.

2. Tap ↻ **Refresh**.

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** > ◉ **Email** > ✎ **Compose**.

2. Tap the **To** field to manually add an email address or tap ▨ **Add recipient** 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 then tap **Done**. The contact displays in the recipients field.

   ● Tap ⌄ **More** 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** > ◉ **Email**.
2. Tap ⋮ **More options** > **Settings** > **Manage accounts**.
3. Tap the account you want to remove.
4. Tap 🗑 **Remove account**. Confirm when prompted.

Email Settings

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

1. From a Home screen, tap ⊞ **Apps** > ◉ **Email**.
2. Tap ⋮ **More options** > **Settings**.
3. Tap **Manage accounts** to adjust settings for each email account.
4. Under **General settings**, tap an option, and then follow the prompts.

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, please contact your wireless provider.

Emergency Alerts allows customers to receive geographically-targeted messages. Alert messages alert customers of imminent threats to their safety within their area. There is no charge for receiving an Emergency Alert message.

There are three types of Emergency Alerts:

● Alerts issued by the President

● Alerts involving imminent threats to safety of life (Extreme and Severe)

● AMBER Alerts (missing child alert)

Users may choose not to receive Imminent Threats (Extreme and Severe) and AMBER Alerts. Alerts issued by the President cannot be disabled.

To disable Imminent Threats and AMBER Alerts, follow the instructions below:

1. From a Home screen, tap ⊞ **Apps** > ⚠ **Emergency alerts**.

2. Tap ⋮ **More options** > **Settings** > **Alert types**.

3. All alerts are enabled by default (check mark showing). Tap an alert option to disable it.

Gallery

View, edit, and manage pictures and videos.

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**, and then tap **Time** or **Album** to choose the way items display.

   - In Album view, you can create albums to organize your images. Tap ☰ **Menu** > **Album**, and then tap ⋮ **More options** > **Create album**.

3. Tap an album or folder, and then tap an image or video.

   - When viewing an image or video, you can scroll left or right to view the next or previous image or video.

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

1. From a Home screen, tap ▦ **Apps** > 🌄 **Gallery**.

2. Tap a folder to open it.

3. Tap a video to view it.

4. Tap ▶ **Play** to play the video.

Trim Segments of a Video

1. Select a video, and then tap the screen once to see the video options.

2. Tap ✂ **Trim**.

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.

Edit Images

While viewing an image:

► Tap ⋮ **More options**:

- **Edit**: Use basic tools to edit your picture.

- **More info**: View image details.

- **Studio**: Edit your picture with advanced tools.

- **Rotate left**: Rotate the picture counter-clockwise.

- **Rotate right**: Rotate the picture clockwise.

- **Crop**: Resize the frame to crop the image.

- **Rename**: Rename the file.

- **Slideshow**: Start a slideshow with the images and videos in the current folder.

- **Add tag**: Add a tag to your image.

- **Set as**: Set the image as wallpaper or as a contact's photo.

- **Print**: Print the image using a USB or Wi-Fi connection. Some printers may not be compatible with the device.

- **Settings**: Change the Gallery settings.

Share Images and Videos

Use one of the following methods:

1. From a Home screen, tap ⊞ **Apps** > 🌐 **Gallery**.

2. Tap a folder to open it.

3. In a folder, tap ⋮ **More options** > **Select**, select images and videos, and then tap ≺ **Share via** to send them to others or share them with social network services.

   – or –

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

Tag Buddy

Tag buddy automatically tags your photos and videos with the date and time it was taken, and optionally adds the location it was taken, if Location services are enabled (for more information, see "Location" on page 169).

You can view these tags by tapping ⋮ **More options** > **More info** while viewing the photo or video.

To enable Tag buddy:

1. From a Home screen, tap ⊞ **Apps** > 🌐 **Gallery**.

2. Tap ⋮ **More options** > **Settings** > **Tag buddy**.

3. Tap **On/Off** to turn the feature on.

Face Tags

Face tags allow you to add a contact name to people in your photos. Using face tags lets you filter your photos by people's names in the Gallery app and other apps which support face tags.

While viewing photos, face tags display that identify your contacts. Tap a face tag to call or message the contact.

To enable Face tags:

1. From a Home screen, tap ▦ **Apps** > 🌏 **Gallery**.

2. Tap ⋮ **More options** > **Settings**.

3. Tap **Face tag** to turn the feature on.

To use Face tags:

1. From a Home screen, tap ▦ **Apps** > 🌏 **Gallery**.

2. Tap an image to view it in full screen mode.

   ● Whenever possible, the Gallery app identifies faces with a circle. Tap the circle to add a contact's name.

   ● To manually add a face tag, touch and hold the photo where you want the tag. Move and crop the box if desired, and tap **Save**. Select a contact.

   ● If the contact you select does not currently have a contact photo, you are asked if you would like to use this photo as the contact's photo.

Delete Images and Videos

1. From a Home screen, tap ⊞ **Apps** > 🌄 **Gallery**.

2. Tap a folder to open it.

3. In a folder, tap ⋮ **More options** > **Delete**, select images and videos, and then tap **Done**.

   – or –

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

Gallery Settings

These settings allow you to modify settings associated with using your Gallery.

1. From a Home screen, tap ⊞ **Apps** > 🌄 **Gallery**.

2. Tap ⋮ **More options** > **Settings**.

3. Tap an option and follow the prompts.

4. Tap ⋮ **More options** > **Add account** to add a Samsung, Google, or Facebook account.

Memo

Use the Memo app to write and save notes on your device.

Compose a Memo

1. From a Home screen, tap ▦ **Apps** > ▭ **Memo**.

2. Tap ⊕ **Create memo** and type a memo.

   - To change the category, tap ≡ **Category**.

   - To take a picture or insert an existing image into the memo, tap ▱ **Insert**.

   - To use your voice to insert text into the memo, tap ▮ **Voice**.

3. When you finish creating the memo, tap **Save**.

Manage Memos

▶ From a Home screen, tap ▦ **Apps** > ▭ **Memo**.

   - Tap a memo entry to open it, tap the content of the memo to edit it, and then tap **Save**.

   - To send a memo to others, tap ⋮ **More options** > **Select**, select a memo, and then tap ⋖ **Share**.

   - To send the memo to a Google or Samsung printer, tap ⋮ **More options** > **Select**, select a memo, and tap ⋮ **More options** > **Print**.

   - To delete memos, tap ⋮ **More options** > **Delete**, select memos, and tap **Done**.

Browse Memos

1. From a Home screen, tap ⊞ **Apps** > ▨ **Memo**.

2. Browse memo entries by swiping up or down.

3. To search for a memo, tap ⌕ **Search**.

Memo Options

While browsing memo entries:

► Tap ⦂ **More options** for the following options:

- **Select**: Select notes to share, print, or delete.

- **Delete**: Delete memos.

- **Account**: Back up your memos to your Samsung account.

Message+

This section describes how to create and send a message using Message+.

Create and Send Messages

Use Message+ to send and receive messages with your friends and family.

1. From the Home screen, tap ⊞ **Apps** > 📧 **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**.

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** > 📱 **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** > 📱 **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** > ▣ **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.

Delete Conversations

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

1. From the Home screen, tap ⊞ **Apps** > ▣ **Message+**.

2. Touch and hold a conversation you want to delete and tap **Delete conversation** and confirm when prompted.

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** > ▣ **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.

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.

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**.

3. Tap the **Enter recipients** field to manually enter a recipient or tap 👤 **Add recipient** to select a recipient from your Contacts. You can also select the recipient based on Groups, Favorites, or Logs.

   - If adding a recipient from your Contacts, tap the contact to place a checkmark 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.

   - For the Group option, if the number of recipients is less than 10, all members in the group are added. You must delete any unnecessary members in the list by selecting the trash can icon and deleting unwanted entries.

4. Tap the **Enter message** field and use the keyboard to enter a message.

5. Tap 📎 **Attachment** to attach a file to the message.

6. Tap ☺ **Add emoji** to choose an available emoji from a list and then add it into your message at the cursor location.

7. Review the message and tap ▣ **Send**.

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

View New Messages

When you receive a new message, a new message icon is displayed on the Status bar.

To view the message:

▶ Open the Notification panel and select the message. For more information, please see "Notification Panel" on page 25.

– 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 ⋮ **More options** > **Select**.

3. Tap each message you want to delete or tap the checkbox at the top of the screen to select all messages.

4. Tap 🗑 **Delete**. Confirm when prompted.

Message Search

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

2. From a Home screen, tap ▦ **Apps** > ✉ **Messages**.

3. Tap 🔍 **Search**.

4. Enter a word or phrase to search for, and then tap 🔍 **Search** on the keyboard.

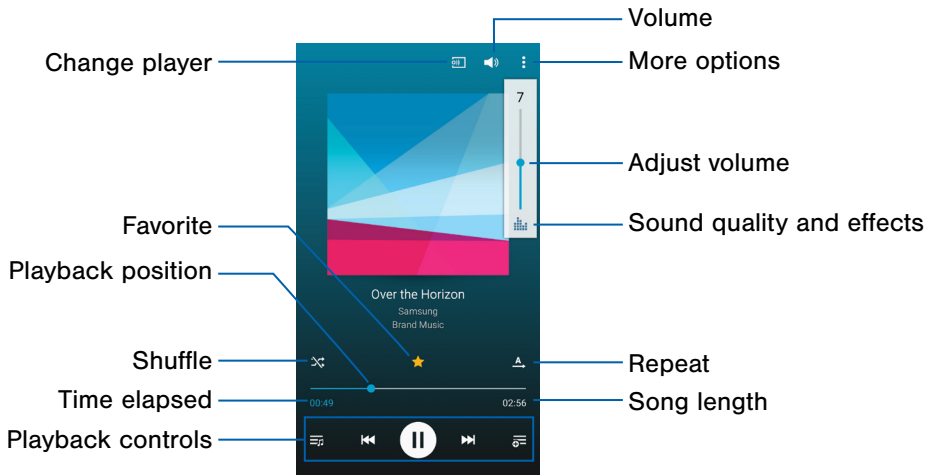# Messages Settings

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

1. From a Home screen, tap ⊞ **Apps** > ✉ **Messages**.

2. Tap ⋮ **More options** > **Settings**.

Music Player

Listen to your favorite songs with the Music player. Navigate through your music library, play songs, and create customized playlists.

Volume

Change player

More options

7

Adjust volume

Sound quality and effects

Favorite

Playback position

Over the Horizon
Samsung
Brand Music

Shuffle

Repeat

Time elapsed

00:49

02:56

Song length

Playback controls

- **Volume**: Adjust the volume. You can also set volume with the **Volume** key on the side of the device.

- **More options**: View more options.

- **Sound quality and effects**: Tap ◄)) **Volume** > ⏅ **Sound effects** to adjust the sound quality.

- **Repeat**: Repeat the current song or playlist.

- **Song length**: Display the length of the song.

- **Playback controls**: Fast-forward or rewind, play or pause the current song, add the song to a playlist, and view current playlist.

- **Time elapsed**: Display the time elapsed for the current song.

- **Shuffle**: Shuffle songs in the current playlist.

- **Playback position**: Skip to another part of the current song.

- **Favorite**: Tag the song as a favorite. Whenever a song is a favorite, the star is bright gold. Favorite songs are included in the Favorites playlist.

- **Change player**: Play the song on a connected device.

Listen to Music

1. From a Home screen, tap ▦ **Apps** > 🎵 **Music**.

2. Tap a category at the top left of the screen to view your music files.

3. Scroll through the list of songs and tap a song to begin playback.

4. While playing music, use these controls:

   ● Tap ❚❚ **Pause** to pause playback. To start playback again, tap ▶ **Play**.

   ● Tap ◀◀ **Rewind** to move to the previous song. Touch and hold ◀◀ **Rewind** to rewind through the song. Tap ▶▶ **Fast-forward** to move to the next song. Touch and hold ▶▶ **Fast-forward** to move forward through the song.

   ● Tap the repeat button to control playback. Choose ⒜ **Play once** to play all songs once, ⟳ **Repeat all** to repeat all songs, or ↻ **Repeat song** to repeat the current song.

● Tap the shuffle button to control the order songs are played. Choose ⤬ **Shuffle off** to play songs in the order they display in the list or ⤨ **Shuffle on** to play songs in random order.

● Tap ☰♫ **Queue** to view the songs in your current playlist.

● Tap ☰ **Playlist** to add the current song to a playlist.

Note: When you close the Music screen, playback continues in the background, allowing you to listen to music while using other features of your device. When music is playing in the background, you can access playback controls from the Notification panel.

My Files

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

To access My Files:

1. From a Home screen, tap ⊞ **Apps** > 🗁 **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.

- 🖼 **Images**: View image files.

- ▣ **Videos**: View video files.

- ♪ **Audio**: View audio files.

- 📄 **Documents**: View document files.

- 📲 **Downloaded apps**: View downloaded apps.

- ⬇ **Download history**: View all apps and files that have been downloaded to the device.

Shortcuts

When you add shortcuts folders, ▢ **Shortcut** displays on the main My Files screen.

► Touch and hold a shortcut to rename or delete the shortcut.

Note: This option is displayed if you have added shortcuts to the My Files main screen.

Local Storage

To view folder and files located on the device:

► Tap 🔲 **Device storage**.

To view folders and files located on the memory card (if installed):

► Tap 🔲 **SD card**:

Cloud Storage

When you add shortcuts to FTP servers or other cloud storage locations, 🔲 **Shortcut** is displayed on the main My Files screen.

► Touch and hold a shortcut to rename or delete the shortcut.

Note: This option is displayed if you have added shortcuts to the My Files main screen.

My Files Options

On the main My Files screen:

1. Tap 🔍 **Search**, and then enter search criteria.

2. Tap 🔵 **Storage usage** to view memory information for your device and memory card (if installed).

3. Tap ⋮ **More options** for these options:

   - **Cloud**: Connect to Verizon cloud.

   - **Add shortcut**: Add a shortcut to a folder on the My Files main screen.

   - **Add FTP server**: Add an FTP server shortcut on the My Files main screen.

   - **Scan for nearby devices**: Search for devices that have media sharing activated.

   - **Settings**: Change the settings for viewing files.

Group Options

After selecting a group:

1. Tap **Home** to return to the main My Files screen.

2. Tap **Search**, and then enter search criteria.

3. Tap **More options** for options:

   - **Select**: Select files or folders.

   - **Delete**: Select and delete files or folders.

   - **Cloud**: Connect to Verizon cloud.

   - **Create folder**: Add a folder to the current list.

     - This option is displayed in Local storage categories only.

- **View as**: Change the appearance of the files or folders.

- **Sort by**: Change the sort order of the files.

- **Add shortcut**: Add a shortcut to the current location on either a Home screen or the My Files main screen.

   - This option is displayed in Local storage categories only.

- **Settings**: Change the settings for viewing files.

Note: Available options vary by category.

File Options

1. Tap a folder to open it.

2. Tap files to select them or tap ⋮ **More options** > **Select**, select files, and then use one of these functions:

   - ⌣ **Share via**: Send files to others or share them.

   - 🗑 **Delete**: Delete files or folders.

   - ⋮ **More options**:

     - **Move**: Move files or folders to another folder.

     - **Copy**: Copy files or folders to another folder

     - **Rename**: Rename a file or folder. This option is displayed only when just one file or folder is selected.

   - **Zip**: Create a zip folder containing the selected files. This option is displayed only in Local Storage categories. A selected zip folder has the additional options of Extract and Extract to current folder.

   - **Details**: View details of the selected files or folders.

Note: Available options vary by category.

S Health

Use S Health to plan, track, and manage your health goals and activities, including exercise, sleep, and meals.

Caution: The information gathered from this device, S Health, or related software is not intended for use in the diagnosis of disease or other conditions, or in the cure, mitigation, treatment or prevention of disease.

The accuracy of the information and data provided by this device and its related software, including heart rate readings, may be affected by factors such as environmental conditions, skin condition, specific activity performed while using/wearing the device, settings of the device, user configuration/user-provided information, placement of the sensor on the body, and other end-user interactions. For more information on proper wear and use, see samsung.com/us/heartratesensor

1. From a Home screen, tap ⊞ **Apps** > 🏃 **S Health**.

2. Read and accept the terms and conditions.

3. Set up your health profile and goals.

Before You Start Exercising

This app can be used to monitor your exercise. While moderate physical activity, such as brisk walking, is safe for most people, health experts suggest that you talk with your doctor before you start an exercise program, particularly if you have any of the following conditions:

● Heart disease;

● Asthma or lung disease;

● Diabetes, or liver or kidney disease;

● Arthritis.

You should also check with your doctor if you have symptoms suggestive of heart, lung, or other serious disease, such as:

- Pain or discomfort in your chest, neck, jaw, or arms during physical activity;

- Dizziness or loss of consciousness;

- Shortness of breath with mild exertion or at rest, or when lying down or going to bed;

- Ankle swelling, especially at night;

- A heart murmur or a rapid or pronounced heartbeat;

- Muscle pain when walking upstairs or up a hill that goes away when you rest.

Finally, the American College of Sports Medicine recommends that you see your doctor before engaging in vigorous exercise if two or more of the following apply:

- You are a man older than age 45 or a woman older than age 55;

- You have a family history of heart disease before age 55;

- You smoke or quit smoking in the past six months;

- You have not exercised for three months or more;

- You are overweight or obese;

- You have high blood pressure or high cholesterol;

- You have impaired glucose tolerance, also called prediabetes.

When in Doubt—Check It Out

If you are unsure of your health status, have several health problems, or are pregnant, you should speak with your doctor before starting a new exercise program. Working with your doctor ahead of time is a good way to plan an exercise program that is right and safe for you. Consider it the first step on your path to physical fitness.

S Voice

Speak commands to perform operations on your device, and to speak criteria for searches and other operations.

Access S Voice

You can access S Voice™ from the Apps list.

1. From a Home screen, tap ⊞ **Apps** > 🎤 **S Voice**.

2. Speak a command.

3. Tap 🎤 **Microphone**, if the device does not hear you, or to give it another command.

Tip: Tap ⋮ **More options** for example commands and to view a tutorial.

S Voice Settings

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

1. From a Home screen, tap ⊞ **Apps** > 🎤 **S Voice**.

2. Tap ⋮ **More options** > **Settings**.

3. Tap an option and follow the prompts.

Video Player

Play and manage videos stored on your device.

Change players

Volume

File name — Video_file_name

More options

Playback position

Time elapsed — 00:00:03

00:00:14 — Video length

Screen ratio

Pop-up player

Rewind

Fast forward

Pause or Play
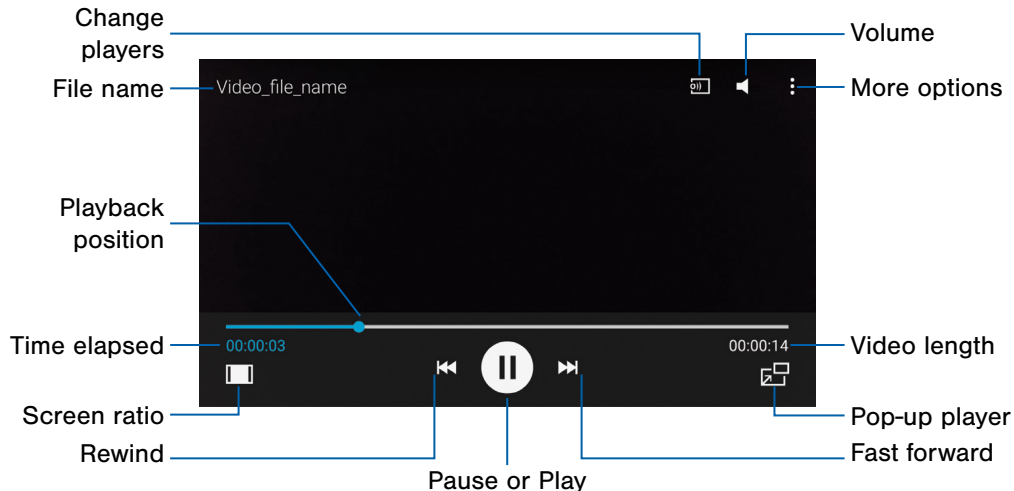
- **Volume**: Adjust the volume.

- **More options**: View more options.

- **Video length**: Display the total length of the video.

- **Pop-up player**: Open the video in the pop-up player window.

- **Fast-forward**: Skip to the next video. Touch and hold to fast-forward the current video.

- **Pause** or **Play**: Pause or play the current video.

- **Rewind**: Restart the video or skip to a previous video. Touch and hold to rewind the video.

- **Screen ratio**: Change the screen ratio.

- **Time elapsed**: Display the time elapsed for the current video.

- **Playback position**: Skip to another part of the video.

- **File name**: Display the name of the video file.

- **Change players**: Play the video on nearby devices.

Access the Video Player

Use Video player to access and play videos stored on your device.

1. From a Home screen, tap ▦ **Apps** > ▶ **Video**.

2. Scroll through the videos stored on your device. After a few seconds, each video thumbnail begins playing a preview of the clip.

3. Tap a video to view it.

Use Pop-Up Player

Multitask with Pop-up player by transforming your video player into a pop-up window. The video continues to play, and the pop-up window can be resized or moved anywhere on the screen.

1. From a Home screen, tap ⊞ **Apps** > ▶ **Video**.

2. Tap a video to view it.

3. Tap ⧉ **Pop-up player** to continue playing the video in a floating window.

   - Drag the window to any location on the screen.

   - Use two fingers to pinch or spread to resize the floating window.

Change the Video Screen Size

You can change the size of the video during video playback.

1. From a Home screen, tap ⊞ **Apps** > ▶ **Video**.

2. Tap a video to view it.

3. Tap the screen ratio icon to cycle through the screen size options:

   - ⬚ **Full-screen in ratio view**: The video is enlarged as much as possible without becoming distorted.

   - ⬚ **Full-screen view**: The entire screen is used, which may cause some minor distortion.

   - ⬚ **Original size view**: The video is played in its original size.

   - ⬚ **Stretch to fit**: The video is enlarged to fit the screen without becoming distorted.

Voice Recorder

Record voice memos and notes.

Create a Voice Recording

1. From a Home screen, tap ⊞ **Apps** >
   🎙 **Voice recorder**.

2. Tap ⋮ **More options > Settings >
   Recording quality** to adjust the recording quality.

3. Tap 🎙 **Select mode** to choose the appropriate
   recording mode:

   • **Normal**: This recording mode picks up any
     sounds detected by the microphones.

   • **Interview**: The top and bottom microphones
     are used for two-directional recording. The
     top and bottom of the device pick up equal
     amounts of sound. Microphones can be muted
     during recording and playback.

   • **Conversation**: The microphones are
     sensitive to sound from all directions and
     can distinguish up to eight sources of sound.
     Sound sources can be muted during recording
     and playback.

   • **Voice memo**: Voice input is converted to text.
     The maximum recording time is five minutes.

The following additional controls are available:

• ⦿ **Record**: Record an audio file.

• ⏹ **Stop**: Stop recording. The file is automatically
  saved.

• ⏸ **Pause**: Pause the recording of an audio file.

• ✕ **Cancel**: Cancel the recording of an audio file.

• 🔖 **Bookmark**: Add a bookmark to the recording.

Manage Recordings

To display a list of recordings:

1. From a Home screen, tap ▦ **Apps** >
   ▣ **Voice Recorder**.

2. Tap ☰ **List**.

To search through available recordings:

► Tap ◌ **Search**.

To share or delete one or more voice recordings:

1. Tap ⋮ **More options** > **Select**.

2. Tap each recording you want to delete or tap the checkbox at the top of the screen to select all recordings.

3. Tap ◁ **Share via** to share the recordings or tap 🗑 **Delete** to delete the recordings.

For additional options:

► Tap ⋮ **More options**.

- **Select**: Choose desired recordings.

- **Sort by**: Sort the list of recordings.

- **Filter by category**: Filter entries by category.

- **Edit categories**: Modify your categories.

- **Settings**: Configure Voice Recorder.

Settings

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

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 –

From a Home screen, drag down from the Status bar to display the Notification panel, and then tap ⚙ **Settings**.

Settings Options

- Some options use an **On/Off** button to turn the option ⬤ON **On** or OFF **Off**.

- For some options, you must tap a field, such as **Email address**, to display and set options.

- Some options are enabled or disabled by tapping a ☑ **Checkbox**. When enabled, a checkmark displays. Tap the checkmark to remove it and disable the option.

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.

Customize Quick Settings

Quick settings are the settings that you are most likely to frequently use. When you first access the Settings menu, the Quick settings are set to a default list of settings.

To edit the Quick settings list:

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap ⋮ **More options** > **Edit quick settings**.

   ● Select additional settings to display in your Quick settings menu. Settings that are already in the Quick settings menu are checked.

   ● Uncheck a setting to remove it from the Quick settings list.

3. Tap **Done** to save your new Quick settings menu.

Airplane Mode

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

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

Enable Airplane Mode

There are a couple of ways to enable or disable Airplane mode.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Airplane mode**, and then tap **On/Off** to enable or disable the option.

Note: You can also enable Airplane mode from the Phone options menu. Press and hold the **Power** key, and then tap **Airplane mode**.

Wi-Fi Settings

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).

Wi-Fi Direct creates a direct connection between two or more devices using Wi-Fi.

Turn Wi-Fi On or Off

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

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Wi-Fi**, and then tap **On/Off** to turn Wi-Fi on or off.

Wi-Fi Status Indicators

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

● When Wi-Fi is connected, active, and communicating with a wireless Access Point (AP), 🛜 **Wi-Fi active** displays in the Status bar.

● If a Wi-Fi access point is available, but your device is not connected to it, 🛜 **Wi-Fi available** displays. It may also display if there is a communication issue with the target wireless Access Point (AP).

Wi-Fi Networks

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

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Wi-Fi**, and then tap **On/Off** to turn Wi-Fi on.

   ● When Wi-Fi is turned on, your device automatically scans for available networks and display 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.

4. To manually scan for networks, tap
   ⋮ **More options** > **Scan**.

Manually Connect to a Wi-Fi Network

To manually connect to a Wi-Fi network:

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Wi-Fi**, and then tap **On/Off** to turn Wi-Fi on.

3. Swipe to the bottom of the screen and tap **Add Wi-Fi network**.

4. Enter information about the Wi-Fi network:

   ● **Network SSID**: Enter the name of the Wi-Fi network.

   ● **Security**: Select a security option and enter your password.

   ● **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 AP.

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 **Wi-Fi**, and then tap **On/Off** to turn Wi-Fi on.

3. Tap **Show Wi-Fi pop-up** to receive a pop-up notice if Wi-Fi is available when opening apps.

4. Tap **More options** for options:

- **Scan**: Start another scan for nearby Wi-Fi networks.

- **Wi-Fi Direct**: Configure a Wi-Fi Direct connection with a nearby device.

- **Manage networks**: Manage your saved Wi-Fi network connections.

- **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).

- **Share Wi-Fi profile**: Share Wi-Fi profiles you have created with others.

- **Advanced**:

  - **Wi-Fi notifications**: Receive notifications when new wireless Access Points are available.

  - **Passpoint**: Connect to passpoint-enabled Wireless Access Points automatically.

  - **Sort by**: Choose how detected Wi-Fi networks are listed.

  - **Keep Wi-Fi on during sleep**: Specify when to disconnect from Wi-Fi.

  - **Smart network switch**: Connect automatically to a mobile network connection when the Wi-Fi connection is unstable.

  - **Install 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).

- **Help**: Learn about setting up and using Wi-Fi networks, and other settings.

Wi-Fi Direct

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

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Wi-Fi**, and then tap **On/Off** to turn Wi-Fi on.

   • Wi-Fi must be on to configure settings.

3. Tap ⋮ **More options** > **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.

To rename your device (as seen by other devices):

▶ Tap ⋮ **More options** > **Rename phone**.

To disconnect from a device:

▶ Tap **End connection**.

Wi-Fi Direct Status Indicator

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

• When your device is connected to another device using Wi-Fi Direct, 🛜 **Wi-Fi Direct** displays 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

To turn your device's Bluetooth service on or off:

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Bluetooth**, and then tap **On/Off** to turn Bluetooth on or off.

Bluetooth Status Indicator

Status bar icons display your current Bluetooth connection status:

● When Bluetooth is turned on, ⁂ **Bluetooth** displays 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 **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 continues to recognize their partnership and exchange information without having to re-enter a passcode.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **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.

3. Tap the name of the target device when you see it displayed in the Bluetooth devices section.

   ● Your device then 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 **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 **OK**.

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 **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.

Make Your Device Visible to Other Bluetooth Devices

When you make your device visible, other Bluetooth can find it in a scan and initiate pairing. You can choose the length of time your device remains visible.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Bluetooth**, and then tap **On/Off** to turn Bluetooth on.

3. Tap **Bluetooth** > ⋮ **More options** > **Visibility timeout**.

4. Select a time period for your device to remain visible after you turn on visibility.

Review Files Received Using Bluetooth

When you receive files from another device using Bluetooth, you can access them from Bluetooth settings.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Bluetooth** > ⋮ **More options** > **Received files**.

Change Your Device's Name

Change the name others use when pairing with your device using Bluetooth.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Bluetooth** > ⋮ **More options** > **Rename phone**.

3. Tap the name field and edit your device name.

Data Usage

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

Manage Data Usage

You can view how your data is being used, and set restrictions to limit usage.

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

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Data usage** and select an option:

   • **Mobile data**: Enable mobile data. You can also control Mobile data at the Notification panel.

   • **Limit mobile data usage**: Your mobile data connection is turned off when the specified limit is reached.

   • **Alert me about data usage**: receive alerts when your mobile data usage reaches the warning amount you set by dragging the warning bar below on the chart.

   • **Data usage cycle**: Tap the drop-down menu, and then choose a time period for data usage. Data usage for the period displays on the graph, along with usage by application below.

   • **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**: Hide or display a Wi-Fi tab that shows Wi-Fi usage.

- **Mobile hotspots**: Select Wi-Fi networks that are mobile hotspots. You can restrict apps from using these networks, and you can configure apps to warn you before using these networks for large downloads.

- **Mobile networks**: Display mobile network settings: Mobile data, Data Roaming, Network mode, and System select.

- **Show units**: Display data usage amounts in MB/GB (auto change), in MB only, or GB only.

- **Help**: View help topics on how to check and limit your data usage.

Advanced Calling

Enjoy high definition voice and video calling from Verizon.

To upgrade to Advanced calling:

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Advanced calling > Activate advanced calling**, and follow the prompts to upgrade.

3. Tap **Advanced calling**, and tap **On/Off** to enable the feature.

Activate Wi-Fi Calling

Wi-Fi Calling lets your device make and receive voice and video calls over a Wi-Fi internet connection when your 4G coverage is weak or there is no cellular coverage.

Texts and multimedia messages over Wi-Fi can also be sent and received just like when you use these services on a cellular network. For Wi-Fi calling to work, you need to activate Advanced calling first.

To activate Wi-Fi Calling:

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Advanced calling** > **Activate Wi-Fi calling**.

3. Enter a valid emergency address. This will be used whenever an emergency call is placed over Wi-Fi. Once the address is saved successfully, Wi-Fi calling is turned on.

   • Voice and video calls will now be able to go over Wi-Fi when your cellular network coverage is weak or if you don't have cellular network coverage in your area.

Note: You must be connected to a Wi-Fi network for this feature to work.

More Networks

More networks 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 **More networks** > **Nearby device scanning**.

3. Tap **On/Off** to enable the feature.

Download Booster

Download booster improves download speed by using both Wi-Fi and LTE networks at the same time when downloading files over 30 MB in size.

Note: Download booster uses mobile data services.

To turn on Download booster:

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **More networks** > **Download booster**, and then tap **On/Off** to enable Download booster.

Mobile Networks

Control your device's access to networks and mobile data service. You can view how your device connects to mobile networks, and set restrictions to limit access.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **More networks** > **Mobile networks** and select an option:

   - **Mobile data**: Allow your device to connect to a mobile data network.

   - **Data roaming access**: All your device to connect to data services while roaming. Significantly higher charges may result.

   - **Roaming**: Current roaming status (not configurable).

   - **Signal strength**: Current signal strength (not configurable).

   - **Access point names**: Select the Access Point Name for mobile connection to the Internet.

   - **Network mode**: Choose a preferred network mode.

   - **Network operators**: Choose available and preferred networks

Mobile Hotspot

Activate Mobile hotspot to allow other devices to use your device's Internet connection.

Note: You must have a tethering plan on your service account in order to use Mobile hotspot.

Warning: Mobile hotspot consumes battery power and uses data service.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **More networks** > **Mobile hotspot**.

3. Tap **On/Off** to turn Mobile hotspot on or off.

Connect a Device to Your Mobile Hotspot

Use the other device's Wi-Fi control to connect to Mobile hotspot.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **More networks** > **Mobile hotspot**.

3. Tap **On/Off** to turn on Mobile hotspot.

4. Activate Wi-Fi on the target device.

5. Scan for Wi-Fi hotspots and select the target device from the list.

6. Enter your device's Mobile hotspot password on the target device.

Allowed Devices List

Control whether devices connect to Mobile hotspot with the Allowed devices list. After you add devices to the list, they can scan for your device and connect using your device's Mobile hotspot name and password.

Note: Using your device as a Mobile hotspot consumes battery power and uses data service. While Mobile hotspot is active, your device's applications use the Mobile hotspot data service. Roaming while using your device as a Mobile hotspot incurs extra data charges.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **More networks** > **Mobile hotspot**.

3. Tap **On/Off** to turn on Mobile hotspot.

4. Tap ⋮ **More options** > **Allowed devices**, and then tap ╋ **Add** to enter the other device's Device name and MAC address.

5. Tap **OK** to add the device.

Configure Mobile Hotspot Settings

Manage your Mobile hotspot security and connecting settings.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **More networks** > **Mobile hotspot**.

3. Tap ⋮ **More options** > **Configure hotspot**:

   ● **Network SSID**: View and change the name of your Mobile hotspot.

   ● **Hide my device**: Make your Mobile hotspot invisible to other Wi-Fi devices during a scan. Other devices can still connect to your Mobile hotspot, but have to set up the connection manually with your Network SSID and Password.

   ● **Security**: Choose the security level for your Mobile hotspot.

   ● **Password**: If you choose a security level that uses a password, enter the password. By default, the password is your device's phone number.

   – Swipe down to view all options.

● **Show password**: Display your password instead of masking it.

● **Show advanced options**: Access advanced options, including Broadcast channel, and to specify the channel your device uses for Mobile hotspot.

Turn Off Mobile Hotspot Automatically

Set your device to automatically turn off Portable Wi-Fi hotspot if there are no connected device.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **More networks** > **Mobile hotspot**.

3. Tap **On/Off** to turn on Mobile hotspot.

4. Tap ⋮ **More options** > **Timeout settings** and select an amount of time.

Tethering Your Device

To connect your device to a computer using USB or Bluetooth tethering:

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **More networks** > **Tethering**, and choose a tethering option:

   ● **USB tethering**: Connect the computer to the device using the USB cable, and then tap **USB tethering** to turn tethering on.

   ● **Bluetooth tethering**: Pair your device with the computer using Bluetooth. Tap **Bluetooth tethering** to turn tethering on. For more information, see "Bluetooth" on page 125.

Virtual Private Networks (VPN)

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

Note: You must set a secured screen before setting up a VPN. For more information, see "Lock Screen" on page 152.

Add a VPN

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **More networks** > **VPN**.

3. Tap **Basic VPN** or **Advanced IPsec VPN**.

4. Tap ╋ **Add VPN** and follow the prompts to set up your VPN.

Connect to a VPN

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

2. Tap **More networks** > **VPN**.

3. Tap **Basic VPN** or **Advanced IPsec VPN**.

4. Tap the VPN, enter your log in information, and tap **Connect**.

Edit or Delete a VPN

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

2. Tap **More networks** > **VPN**.

3. Tap **Basic VPN** or **Advanced IPsec VPN**.

4. Tap **More options** > **Forget**.

NFC

NFC (Near Field Communication) allows data exchange when you touch your device with another compatible device. This is used for features like Android Beam.

Enable NFC

Activate NFC to allow your device to exchange data with other NFC devices.

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

2. Tap **More networks** > **NFC**, and tap **On/Off** to turn NFC on.

Android Beam

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

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **More networks** > **NFC**, and tap **On/Off** to turn NFC on.

3. Tap **Android Beam**, and tap **On/Off** to turn Android Beam on.

4. Touch the back of your device with another NFC-capable device to transfer content.

S Beam

When S Beam is activated, you can beam files to another NFC-capable device by holding the devices close together.

You can beam images and videos from your Gallery, music files from your Music app, and more.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **More networks** > **NFC**, and tap **On/Off** to turn NFC on.

3. Tap **S Beam**, and tap **On/Off** to turn enable S Beam.

4. Touch the back of your device with another NFC-capable device to transfer content.

Tap and Pay

Tap and pay allows you to select the default payment application you want to use for making purchases on your device.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **More networks** > **NFC**, and tap **On/Off** to turn NFC on.

3. Tap **Tap and pay**.

4. Select the app that you want as your default.

Nearby Devices

Share your media files with nearby devices via Wi-Fi, Wi-Fi Direct, or Mobile hotspot.

Warning: If file sharing is enabled, other devices can access your data. Use this option with care.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **More networks** > **Nearby devices**.

3. Tap **On/Off** to enable Nearby devices.

4. Set the following options:

   - **Content to share**: Select the content to share. Choices are: Videos, Photos, and Music.

   - **Allowed devices**: Indicate the devices accessible to your device.

   - **Blocked devices**: Indicate devices not allowed access to your device.

   - **Download to**: Allow downloading of data to your device or optional memory card (not included).

   - **Receive files from other devices**: Warn if a device attempts to upload data to your device.

Screen Mirroring

Share your device's screen with another device.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **More networks** > **Screen mirroring**.

   ● Available devices are listed.

3. Tap **Scan** to find more devices.

4. Tap a device and follow the prompts to connect.

MirrorLink

Mirror your device's display on your car's entertainment and information screen using a USB connection.

Note: To use this feature, your car system must support MirrorLink.

To turn on MirrorLink:

1. From your device's Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **More networks** > **MirrorLink**.

3. Connect your device to your car's system using the USB cable.

4. Tap **Connect to vehicle via USB** and follow the prompts.

Sound and Notification

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

Adjust the Volume

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

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

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Sound and notification**, and then drag the sliders to set the default volume for:

   - Ringtone
   - Media
   - Notifications
   - System

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 **Sound and notification** > **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.

Vibration Intensity

Set the vibration intensity of incoming calls, notifications, and Haptic feedback.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Sound and notification** > **Vibration intensity**.

3. Drag the sliders to set the various vibration intensities.

Vibrate When Ringing

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

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Sound and notification** > **Vibrate when ringing** to turn the feature on.

Note: This feature is only available when the Sound mode is set to **Sound**.

Ringtones

Choose from preset ringtones or add your own.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Sound and notification** > **Ringtones**.

3. Tap a ringtone to hear a preview, and then tap **OK** to set it as your default ringtone.

    – or –

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

Vibrations

Choose from preset vibration patterns or create your own pattern.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Sound and notification** > **Vibrations**.

3. Tap a pattern to preview it, and then tap **OK** to set it as your default vibration pattern.

Notification Ringtone

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

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Sound and notification** > **Notification ringtone**.

3. Tap a sound to preview it, and then tap **OK** to set it as your default notification sound.

Other Sounds

Set various other sound options.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Sound and notification** > **Other sounds**.

3. Tap the checkbox next to the options under **Feedback** and **Samsung keyboard** to indicate whether to enable the sound or vibration.

4. To modify sound settings associated with several frequently used apps, tap one of the following to access the app's sound settings:

   • **Call**: Configure call notifications and alerts.

   • **Email**: Configure email account notifications.

   • **Calendar**: Configure event notifications.

Do Not Disturb

You can set your phone to silence all calls and alerts except for times you schedule.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Sound and notification** > **Do not disturb**.

3. Tap **Turn on now** to enable this option.

Scheduling

This option allows you to turn Do not disturb mode on or off automatically at scheduled times.

Note: Scheduling is not available if Do not disturb mode has been turned on manually.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Sound and notification** > **Do not disturb**.

3. Tap **Turn on as scheduled**, and set the Days, Start time, and End time.

Allow Exceptions

This option lets you customize which notifications are allowed while your device is in Do not disturb mode.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Sound and notification** > **Do not disturb**.

3. Tap **Allow exceptions**, and tap one of the following options:

   - No exceptions

   - Alarms only

   - Custom

Notifications on Lock Screen

To define how notifications should be displayed on your device's lock screen:

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Sound and notification** > **Notifications on lock screen** and chose an option:

   - Show content

   - Hide content

   - Do not show notifications

Application Notifications

To set whether application notifications are displayed:

1. From a Home screen, tap ⊞ **Apps** > ⊚ **Settings**.

2. Tap **Sound and notification** > **Application notifications**.

3. Swipe through the list of apps and tap an app.

4. Tap **On/Off** to block all notifications from this app, to show priority notifications for the selected app, or to hide sensitive content from the selected app.

Notification Access

Prevent applications from reading notifications.

1. From a Home screen, tap ⊞ **Apps** > ⊚ **Settings**.

2. Tap **Sound and notification** > **Notification access**.

3. Swipe through the list of apps and tap **On/Off** to block apps from reading notifications.

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** > **Brightness**.

3. Customize options under Brightness:

   - Tap **Automatic brightness** to allow the device to adjust brightness automatically.

   - Drag the **Automatic brightness adjustment** slider to set a custom brightness level.

Note: You can also control Brightness from the Notification panel. Drag the Status bar down from the top of the screen to find the Brightness option.

Change the Font Style and Size

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

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Display** > **Font** to choose a font style and font size.

   - **Font style**: Choose another font style, or tap Download to find new fonts.

   - **Font size**: Choose a different font size.

Screen Rotation

Use the front camera to rotate the screen based on the orientation of your device.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Display** > **Screen rotation**.

3. Tap **On/Off**, and then tap **Smart rotation** to turn the feature on.

Smart Stay

Using the front camera to detect your face, the screen does not time out as long as you are facing the screen.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Display** > **Smart stay** to turn the feature on.

Screen Timeout

Choose how long the display screen remains lit after you tap the screen or press any key.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Display** > **Screen timeout** and choose a time period.

Screen Mode

Choose a screen mode to match your type of viewing. You can choose to have the device automatically adapt the display depending on the type of image being displayed.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Display** > **Screen mode** and choose a screen mode:

   ● Tap **Adapt display** if you want your device to automatically optimize the display to match the type of image displayed and other criteria, such as battery level.

   – or –

   Choose a specific type of screen mode based on what your are viewing.

Auto Adjust Screen Tone

Your device analyzes the images displayed on the screen and automatically adjusts the brightness to conserve battery power.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Display** > **Auto adjust screen tone** to turn the feature on.

Daydream

The Daydream setting controls what the screen displays when the device is docked (dock not included) or while charging. You can choose to display colors or display photos stored on your device.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Display** > **Daydream**, and tap **On/Off** to turn Daydream on.

3. Configure options:

   • **Colors**: Tap the selector to display a changing screen of colors.

   • **Flipboard**: Display pictures from Flipboard. Tap ⚙ **Settings** for options.

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

   • **Photo table**: Display pictures in a photo table. Tap ⚙ **Settings** for options.

   • **Photo frame**: Display pictures in a photo frame. Tap ⚙ **Settings** for options.

4. Tap ⋮ **More options** for additional options:

   • **Preview**: See a demonstration of Daydream.

Touch Key Light Duration

Set the length of time ▭ **Recent** and ⟵ **Back** remain lit after you touch them.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Display** > **Touch key light duration** to choose a timeout period.

Increase Touch Sensitivity

Increase the sensitivity of the touch screen to improve results when wearing gloves.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Display** > **Increase touch sensitivity** to turn the feature on.

Wallpaper

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, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Wallpaper**.

3. Tap **Home screen**, **Lock screen**, or **Home and lock screen**.

4. Tap an image to preview it, and then tap **Set as wallpaper**.

   - Tap **From gallery** for additional wallpapers.

   - Tap **Bubbles** or **Phase beam** for animated wallpaper. Animated wallpaper consumes additional battery power.

   - Tap **Travel wallpaper** to set up that option (Lock screen only).

For more information, see <u>"Wallpapers" on page 18</u>.

Lock Screen

Choose a method for unlocking your screen. Different Screen Locks have different levels of security and options.

Set a Screen Lock

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Lock screen**

3. Tap **Screen lock** to select a screen lock and level of security:

   • **Swipe**: Swipe the screen to unlock it. This option provides no security.

   • **Pattern**: A screen unlock pattern is a tap gesture you create and use 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.

   • **Fingerprint**: Use fingerprint recognition to unlock the screen. This option provides medium to high security.

   • **None**: Never use a Lock screen.

4. Select your notification preferences, if you choose a secured lock screen option:

   • Show content

   • Hide content

   • Do not show notifications

5. Choose a screen lock option:

Swipe Only

- **Phone shortcut**: Display a phone shortcut on your Lock screen.

- **Unlock effect**: Set the visual effect used when unlocking the screen.

- **Help text**: Show help information on unlocking the screen on the Lock screen.

Pattern Only

- **Pattern type**: Select a pattern type.

- **Make pattern visible**: Display the pattern as your draw it.

- **Vibration feedback**: Vibrate when the unlock pattern is entered incorrectly.

PIN, Pattern, Password and Fingerprint Only

- **Lock automatically**: Screen locks 5 seconds after screen automatically turns off.

- **Lock instantly with power key**: Screen locks instantly when locked with the power key.

- **Auto factory reset**: Reset the phone to its factory settings and delete all data if the phone you attempt to unlock the phone incorrectly 10 times.

All Screen Lock Types

- **Dual clock**: Display a dual clock on your Lock screen when roaming.

- **Clock size**: Select the size of the clock that is displayed on your Lock screen.

- **Show date**: Display the date on the Lock screen.

- **Camera shortcut**: Display a camera shortcut on your Lock screen.

- **Owner information**: Show owner information on the Lock screen.

- **Additional information**: Display Weather information or the step count when Pedometer in S Health is turned on.

Multi Window Settings

Turn on the Multi window feature.

For more information, see "Multi Window" on page 28.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Multi window**.

3. Tap **On/Off** to enable. The following option is available:

   • **Open in Multi window view**: Automatically view content in a multi window when you open files from My Files or Video, or attachments from email.

Notification Panel Settings

Customize which Quick setting buttons display on the Notification panel.

You can also customize which apps display on the Recommended applications menu on the Notification panel when you perform certain actions, such as plugging in earphones.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Notification panel**.

   – or –

   From the Notification panel, tap ▥ **View all** > ✎ **Edit**.

2. The following options are available:

   • **Brightness adjustment**: Adjust the screen brightness and volume from the Notification panel.

   • **Related apps**: Show selected apps on the Notification panel after certain actions, such as connecting earphones.

To customize which quick setting buttons display at the top of the Notification panel:

► Touch and drag buttons to reorder them.

To use the default layout:

► Tap **Reset**.

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Related Apps

When you perform certain actions, such as plugging in earphones, the Notification panel can display shortcuts to your favorite related apps, such as Music player or Google Play Music.

To customize which shortcuts display on the Related apps menu:

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Notification panel** > **Related apps**.

3. Tap **On/Off** to turn the feature on.

4. Tap **Edit** and choose which apps to display on the Notification panel when you insert earphones.

Toolbox

The Toolbox is a floating shortcut menu that is displayed on every screen, giving you quick access to your favorite apps.

To activate the Toolbox:

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Toolbox**.

3. Tap **On/Off** to enable the feature.

4. Tap **Edit** to choose up to five apps to display in Toolbox.

One-Handed Operation

Adjust the screen size and layout for easy control of your device with one hand.

To enable One-handed operation features:

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **One-handed operation**.

3. Tap **On/Off** to turn it on or off.

   • When activated, hold the device in one hand and swipe from the midpoint to the left or right edge of the screen to the middle and back, in one quick motion.

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 **Storage**.

   - Device storage used out of the total space available is displayed.

3. Tap **Internal storage** for the following:

   - **Total space**: The total space in your device's memory.

   - **Available space**: The amount of storage space currently available.

   - **System memory**: The minimum amount of storage space required to run the system.

- **Apps**: The amount of storage used by the apps.

- **Pictures, videos**: The amount of storage space currently being used by pictures and videos.

- **Audio**: The amount of storage space currently being used by audio.

- **Used space**: The amount of storage space currently being used.

- **Other**: The space used by app data, downloaded files, and Android system files.

- **Cached data**: The amount of data currently cached.

4. Tap **Explore** to launch My Files to view content stored on your device.

To increase available memory:

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Storage** > **Internal storage**.

3. Tap **Cached data** to clear cached data for all apps.

4. Tap **Delete** to confirm.

Memory Card (SD Card)

Once a memory card (not included) has been installed in your device, the card memory is displayed as Total space and Available space.

Note: The SD card menu only appears when an optional memory card is installed.

Install a Memory Card

You can use a microSD or microSDHC card (not included) to add more memory space to your device.

For more information, see "Install a Memory Card" on page 8.

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 have to mount it before it can be accessed.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Storage** > **SD card** > **Mount**.

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 **Storage** > **SD card** > **Unmount**.

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

4. Slide the card out carefully.

5. Replace the back cover. For more information, see "Replace the Back Cover" on page 9.

Format a Memory Card

Warning: When formatting an SD card, you should backup 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 **Storage** > **SD card** > **Format** and follow the prompts.

Battery

View how battery power is used for device activities.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Battery** for options:

   - **Show battery percentage**: Display the battery charge percentage next to the battery icon on the Status bar.

   - **Battery chart**: The battery level displays as a percentage. The amount of time the battery has been used also displays.

   - ⋮ **More options** > **Optimize battery usage**: Select apps to optimize their individual battery usage.

Apps and System Usage

Battery usage displays in percentages per application and system process.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Battery** to view battery usage for apps and services. Tap an item for more information, or to configure options for managing power use.

3. Tap ⋮ **More options** > **Refresh** to update the listing.

Note: Other applications may be running that affect battery use.

Power Saving

Conserve battery power by automatically adjusting the screen brightness, limiting the performance of the CPU, and other power reduction activities.

Ultra power saving mode saves even more battery power by using a gray scale theme on the Home screen and limiting the number of usable apps.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Power saving** for options:

   - **Power saving mode**: Save battery power by limiting your device's performance, limiting vibration feedback, and restricting location services and most background data.

   - **Ultra power saving mode**: Save battery power by applying a simplified grayscale theme to your Home screen and limiting the number of usable apps.

Tip: Tap ⋮ **More options** > **Help** to display more information about conserving power.

Application Settings

Manage settings for applications on your device.

Application Manager Options

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

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Applications** > **Application manager**.

3. If you have disabled applications:

   ● Tap ▼ **All apps** at the top left of the screen.

   ● Tap **All apps**, **Enabled**, or **Turned off**.

4. Tap **More** for the following options:

   ● **Show/Hide system apps**: Show or hide system (background) apps.

   ● **App permissions**: Control which apps have permissions to use certain features of your device.

   ● **Draw over other apps**: Choose apps that can run on top of other running apps.

   ● **Modify system settings**: Select which apps can change system endings.

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

Manage Apps

You can view and update information about an application, including memory usage, default settings, and permissions.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Applications** > **Application manager**.

3. 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.

   - **Storage**: Manage the app's storage usage.

   - **Data usage**: View mobile data usage.

   - **Permissions**: View permissions granted to the app for access to your device's information.

   - **Notifications**: Configure notifications from the app.

   - **Set as default**: Set the app as a default for a certain category of apps.

   - **Battery**: View battery usage since the last full charge.

   - **Memory**: View memory usage.

Note: Options may vary by application.

Default Applications

If you have multiple applications of the same type, such as email apps, you can select one app to be the default.

You can also use a simpler Home screen that provides an easier user experience for first-time smartphone users.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Applications** > **Default applications**.

3. Tap the following to choose default apps:

   • **Browser app**: Choose a default browser app.

   • **Calling app**: Choose a default calling app.

   • **Messaging app**: Choose a default messaging (text and multimedia) app.

   • **Set as default**: Choose default apps for other functions.

   • **Home**: Choose a Home screen type.

   • **Device assistance app**: Choose an app that provides assistance for using your device.

Application Settings

Shortcuts to the settings for various apps are available in one convenient location.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings** > **Applications**.

2. Tap one of the following to display the settings for the selected app:

   • Calendar

   • Call

   • Contacts

   • Email

   • Gallery

   • Messages

   • S Voice

   • Google

Easy Mode

Switch between the default screen layout and a simpler layout. The Easy mode layout has larger text and icons, making for a more straightforward visual experience.

To enable Easy mode:

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Easy mode**, and then tap **Easy mode** to choose this feature.

   - When Easy mode is enabled, you can swipe down the page and select which apps you want to display on the Home screens.

3. Tap the apps you want to add or remove.

4. Tap **Done** to save your settings.

To disable Easy mode:

1. From a Home screen, tap ⚙ **Easy settings**.

2. Tap **Easy mode** > **Standard mode**.

3. Tap **Done** to confirm.

Private Mode

Hide personal content from being accessed by anyone else using your device.
Private mode is only available for certain applications.

Note: A secure screen lock (Pattern, PIN, Password, or Fingerprint) is required to use Private mode.

Set Up Private Mode

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Private mode**.

3. Follow the prompts to learn about and set up Private mode.

Location

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

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Location**.

3. Tap **On/Off** to turn on Location services.

E911

This is a view only field. You cannot turn off E911 Location on any cell phone. E911 Location service is standard on all mobile phones to allow sharing of your GPS location with emergency personnel when you make a call to emergency services (such as 911). This setting is not configurable.

Locating Mode

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Location**.

3. Tap **On/Off** to turn on Location services.

4. Tap **Mode** to select how your location is determined:

   - **High accuracy**: Use GPS, Wi-Fi, and mobile networks.

   - **Power saving**: Use Wi-Fi and mobile networks (no GPS).

   - **GPS only**: Use GPS only.

Improve Accuracy

You can improve location accuracy by using other connections to determine your location.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Location**.

3. Tap **On/Off** to turn on Location services.

4. Tap **Improve accuracy**:

   • **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 **Location**.

3. Tap **On/Off** to turn on Location services.

4. Tap an entry under **Recent location requests** to view the app's settings.

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 **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.

Location Sources

You can save your favorite locations for use with services that require location information. This information can improve your search results and other location-related activities.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Location**.

3. Tap **On/Off** to turn Location services on.

4. Tap **My places**.

5. Tap ➕ **Add** to add additional categories.

6. Tap a category (Home, Work, or Car) to add a location.

7. To delete a custom category, tap ⋮ **More options** > **Select**, tap a category to delete, and then tap 🗑 **Delete**.

Note: Home, Work, and Car cannot be deleted.

Security

Secure your device and protect your data with Security settings.

Phone Administration

Manage your device administrators and application installation privileges.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Security** for options:

   - **Phone administrators**: Add or remove device administrators.

   - **Unknown sources**: Enable installation of non-Google Play applications.

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

Encryption

Require a numeric PIN or password to decrypt your device each time you power it on or encrypt the data on a memory card (not included) each time it is connected.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Security** for options:

   - **Protect encrypted data**: Encrypt all data on your device.

   - **Encrypt external SD card**: Encrypt data on a memory card (not included).

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 **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**: Allows you to access your device remotely.

   • **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.

   • **Go to website**: Launch the Find My Mobile website.

   • **Reactivation lock**: Use your Samsung account to stop anyone from reactivating your phone without your permission.

SIM Card Lock

Use this option to set up your password when one is first required or change your current password.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Security** > **Set up SIM card lock** and follow the prompts.

Passwords

Display password characters briefly as you type them.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Security** > **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 **Security** for options:

   - **Security policy updates**: Automatically or manually check for security policy updates.

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

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 **Security** for options:

   - **Storage type**: Select a storage location for credential contents.

   - **Trusted credentials**: Display certificates in your device's ROM and other certificates you have installed.

   - **Install from device storage**: Install a new certificate from storage.

   - **Clear credentials**: Erase the credential contents from the device and reset the password.

Advanced Security

Protect your device with these advanced security options.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Security** for options:

   - **Trust agents**: Perform selected actions when trusted devices are connected.

     - To view Trust agents, set up a secured screen lock (Password, PIN, Pattern, or Fingerprints). For more information, see "Set a Screen Lock" on page 152.

   - **Pin windows**: Pin a specific app on your device screen. Follow the prompts.

   - **Usage data access**: View the applications that can access your device's usage history.

- **Smart Lock**: Set your device to stay unlocked when you have trusted devices connected or when it's in a trusted place.

  - To view Smart Lock, set up a secured screen lock (Password, PIN, Pattern, or Fingerprints). For more information, see "Set a Screen Lock" on page 152.

- **Do not disturb permission**: View which apps have permission to change the Do not disturb settings.

Fingerprint

Use fingerprint recognition as an alternative to entering passwords in certain apps.

You can also use your fingerprint to verify your identity when logging in to your Samsung account.

Note: Fingerprint recognition uses the unique characteristics of each fingerprint to enhance the security of your device. The likelihood of the fingerprint sensor confusing even small areas of two different fingerprints is very low. **But in rare cases, the sensor may recognize a fingerprint that is similar to a registered fingerprint**.

Register a Fingerprint

You can register up to 3 fingerprints. A password is also set up as an alternative to your fingerprint.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Fingerprint** > **Fingerprint manager**.

3. Swipe your finger over the **Home** key to register your first fingerprint or to continue to the next screen.

Add a Fingerprint

If no fingerprints are registered, the manager automatically opens the **Register fingerprint** screen. Otherwise:

▶ Tap ➕ **Add** and follow the instructions to register a fingerprint and password.

Rename a Fingerprint:

► Touch and hold the fingerprint, and then tap
  ✐ **Edit**.

Delete a Fingerprint:

► Touch and hold the fingerprint, and then tap
  🗑 **Delete**.

Change Backup Password

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Fingerprint** > **Change backup password**.

3. Scan your fingerprint.

4. Enter a new backup password.

Additional Settings

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Fingerprint** for options.

   ● **Screen lock**: Change your Screen lock
     and access Screen lock settings. For more
     information, see "Lock Screen" on page 152.

   ● **Verify Samsung account**: Verify your identity
     using your fingerprint when logging in to your
     Samsung account.

   ● **Pay with PayPal**: Link your PayPal account to
     your device to make faster and more secure
     PayPal payments using any of your registered
     fingerprints.

Language and Input

Configure your device's language and input settings.

Language

Set the default language on your device.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Language and input** > **Language**.

3. Select a language from the list.

Default Keyboard

Select your default keyboard or input method.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Language and input** > **Default**.

3. Select a keyboard.

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

Samsung Keyboard

Configure options for using the Samsung keyboard.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Language and input**.

3. Tap **Samsung keyboard** for options:

   • **English(US)**: Set the keyboard type: Qwerty keyboard or 3x4 keyboard.

   • ＋ **Select input languages**: 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.

Swype Settings

Configure options for using the Swype keyboard.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Language and input**.

3. Tap **Swype** for options:

   • **Settings**: Configure basic options.

   • **Themes**: Change the keyboard layout.

   • **My words**: Manage your personal dictionary, new word updates, as well as how Swype can learn from your writing style in various apps.

   • **Languages**: Set the current language. Additional languages can be downloaded.

   • **Gestures**: Learn about using Swype gestures.

   • **Help**: View information on using Swype.

Google Voice Typing

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

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Language and input**.

3. Tap **Google voice typing** for options:

   ● **Languages**: Select languages for Google voice typing.

   ● **"Ok Google" detection**: Tap to launch a Google search whenever you say "OK Google".

   ● **Now on tap**: Get info based on the current app screen when searching by voice or holding down the **Home** key.

   ● **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.

● **Block offensive words**: Hide recognized offensive voice results.

● **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 189.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Language and input** > **Text-to-speech options** 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.

   - **Listen to an example**: Play a sample of speech synthesis (available if voice data is installed).

   - **Default language status**: Display the default language in use.

Read New Notifications Aloud

Set the device to read new notifications aloud for incoming calls, messages, and emails, as well as caller or sender information.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Language and input** > **Read notifications aloud**.

3. Tap the checkbox to enable each option.

Pointer Speed

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

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Language and input** > **Pointer speed**.

3. Drag the slider to the right to go faster or to the left to go slower.

4. Tap **OK** to save your setting.

Backup and Reset

Back up your data to Google servers. You can also reset your device to its factory defaults.

Backup and Restore

Enable backup of your information to Google servers.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Backup and reset** 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 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.

Personal Data

Restore your device to its default settings.

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 **Backup and 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 **Backup and reset** > **Reset network settings**.

3. Tap **Reset settings**, and confirm when prompted.

Factory Data Reset

Return your device to its factory defaults.

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.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Backup and reset** > **Factory data reset**.

3. Tap **Reset phone** and follow the prompts to perform the reset.

Motions and Gestures

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 **Motions and gestures**.

3. Tap an option, and **On/Off** to enable each of the following:

   • **Air browse**: Scroll through pages or lists of items by moving your hand over the sensor in the direction that you would like to scroll.

   • **Direct call**: Call the contact whose call log, message, or contact details are currently on the screen by bringing the device close to your ear.

   • **Smart alert**: Set the device to vibrate when you pick it up to notify you about missed calls and messages.

• **Mute/pause**: Mute sounds and video by covering the screen or turning over the device.

• **Palm swipe to capture**: Capture an image of the screen when you sweep your hand left or right across the screen.

Air View

Preview information, extend text, or enlarge pictures by hovering your finger over the screen.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Air view**.

3. Tap **On/Off** to turn the feature on.

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.

Add an Account

Set up an existing account on your device or create a new account.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **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

Ensure that the information on your device is updated with any information that changes in your accounts.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **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 all** or **Sync now** to synchronize the account.

Note: Sync options and the location of the sync command differ depending on the account type.

Account Settings

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

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 **Accounts** > **[Account type]**.

3. Tap an account to configure that account's sync settings.

4. Tap other available options for the account.

Remove an Account

To remove an account from your device:

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Accounts** > **[Account type]**.

3. Tap the account and then tap ⋮ **More options** > **Remove account**.

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 **Date and time**. The following options are available:

   - **Automatic date and time**: Receive date and time updates from the wireless network.
   - **Set date**: Enter the current date (only available when Automatic date and time is disabled).
   - **Set time**: Enter the current time (only available when Automatic date and time is disabled).

   - **Automatic time zone**: Receive the time zone from the wireless network.
   - **Select time zone**: Choose your local time zone (only available when the Automatic time zone setting is disabled).
   - **Use 24-hour format**: Set the format for time displays.

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
   - **Switch access**: Use this option to control your device using configurable key combinations.
   - **TalkBack**: Speak feedback aloud to help blind and low-vision users.
     - TalkBack can collect all of the text you enter, except passwords, including personal data and credit card numbers. It may also log your user interface interactions with the device.

- **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.

- **Font size**: Set the font size.

- **High contrast fonts**: Adjust the color and outline of fonts to increase the contrast with the background.

- **Magnification gestures**: Use exaggerated gestures such as triple-tapping, double pinching, and dragging two fingers across the screen.

- **Notification reminder**: Play a beep when a notification for a call, message, and more, has been missed.

- **Negative colors**: Reverse the display of colors from white text on a black background to black text on a white background.

- **Color adjustment**: Adjust the color of the screen if you are color blind or have difficulty reading the display due to the screen color.

- **Accessibility shortcut**: Quickly enable accessibility features in two quick steps.

- **Text-to-speech options**: Set your preferred TTS engine and options. For more information, see "Text-To-Speech Options" on page 181.

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.

- **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.

- **Baby crying detector**: Vibrate the device to alert you when a crying baby is detected.

Dexterity and interaction

- **Assistant menu**: Improve the device accessibility for users with reduced dexterity.

- **Air wake up**: Wake up your device by waving your hand over the sensor.

- **Touch and hold delay**: Select a time interval for this action.

- **Interaction control**: Block areas of the screen from touch interaction. Disable Auto rotate screen 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 three times in quick succession.

- **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.

- **Manage accessibility**: Export your accessibility settings and share them with another device.

Services

- **Support & protection**: Protect your mobile device from threats posed by malicious websites.

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

Safety Assistance

Receive real-time information about emergencies and severe weather conditions.

You can also enable Emergency mode: a power-conserving mode that restricts certain apps and functions while allowing access to Messages, Contacts, and emergency calls.

Emergency Mode

Use Emergency mode to conserve battery power during emergencies. Power-hungry apps and functions are disable, but you are still able to send messages, use Contacts, and make emergency calls.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Safety assistance**.

3. Tap **Emergency mode**.

4. Tap **On/Off** to turn the feature on.

Geo News

Receive information about weather, environmental situations, and geological information for your location during emergencies.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings**.

2. Tap **Safety assistance** > **Geo news**.

3. Tap **On/Off** to turn the feature on.

- **Geo news notification pop-ups**: Receive pop-up alerts.

Send Help Messages

Send a quick alert to your primary contacts when you are in an emergency situation.

To enable this feature:

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Safety assistance** > **Send help messages**.

3. Tap **On/Off** to turn the feature on and configure the following options:

   ● **Send pictures**: Send photos taken with the front and back cameras to your emergency contacts.

   ● **Send sound recording**: Send a short audio message to your emergency contacts.

To send a help message:

▶ Press the **Power** key quickly three times.

Manage Emergency Contacts

Select contacts or create new ones to be your emergency contacts. These contacts automatically receive your help message.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Safety assistance** > **Manage emergency contacts**.

   ● Tap **Create emergency contact**.

     – Tap **Create contact** to enter a name and phone number for a new emergency contact.

     – Tap **Select from contacts** to designate a contact to be an emergency contact.

Accessories

Configure options when using HDMI audio devices (not included).

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Accessories** for options:

   • **Audio output**: Select a sound output format to use when connecting your device to HDMI devices (not included). Some devices may not support the surround sound setting.

Printing

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

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Printing**.

3. Tap a print service and follow the prompts.

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

Help

View tips and guidelines for using your device.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **Help** for information about new features, applications, settings, and more.

About Phone

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 phone**, and then tap items for more details:

   - **Icon glossary**: View information about the notifications and status icons.

   - **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.

   - **Phone name**: View and change your device's name.

   - Additional device information includes the Model number, Android version, Build number, and more.

System Updates

Use System updates to update your device's software.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings**.

2. Tap **System updates**.

3. Follow the prompts to check for available software updates to download and install.