

**SAMSUNG**

# **S M A R T P H O N E**

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## **User Manual**

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

**Galaxy S8 Active**

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# Special Features

Learn about your mobile device's special features.



# Hello Bixby

Bixby responds to your voice commands and can help you understand your settings and set up your Samsung device.

For more information, see [“Bixby” on page 31](#).

# Flexible Security

Use your face, fingerprint, or iris to unlock your device.

## Face Recognition

Configure facial recognition security to add an extra layer of security when using your device.

For more information, see [“Face Recognition” on page 35](#).

## Fingerprint Scanner

Use your fingerprint 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.

For more information, see [“Fingerprint Scanner” on page 36](#).

## Iris Scanner

Use iris recognition as an alternative to entering passwords in certain apps. You can also use your eyes to verify your identity when logging in to your Samsung account.

For more information, see [“Iris Scanner” on page 37](#).

# Water and Dust Resistance

This device is rated IP68 using the Ingress Protection rating system, and has passed military specification (MIL-STD-810G) testing.

For more information, see [“Maintaining Water and Dust Resistance”](#) on page 200.

# Getting Started

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

# Set Up Your Device

Learn how to set up your device for the first time.

# Assemble Your Device

Install a SIM card and optional memory card (not included), and charge your device before using.

## Install the SIM Card and a Memory Card

When you subscribe to a cellular network, you are provided with a SIM card. You may be able to use your previous SIM card. Contact your service provider for more details.

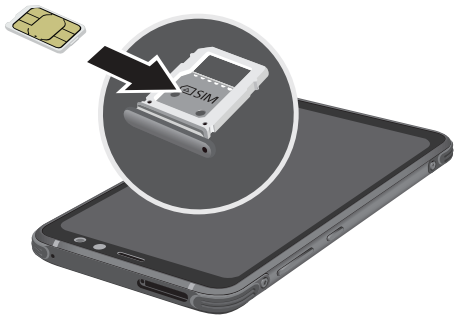
**Warning:** Small components such as SIM cards and memory cards can pose a choking risk. Please be careful when handling these cards to avoid damaging them.

You can also install an optional microSD™ memory card (not included) to add more memory space to your device. A memory card can be installed at any time. It is not necessary to install it prior to using the device.

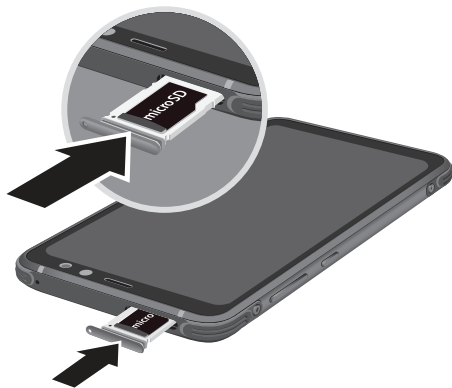
**Caution:** Be careful when using the removal tool to eject the SIM card/Memory card tray.



1. Insert the removal tool into the hole on the SIM card/Memory card tray, and then push until the tray pops out.
2. Turn the tray over and place the SIM card in the bottom of the tray with the gold contacts facing down.



3. Turn the tray over and place the memory card on the top of the tray with the gold contacts facing down.



4. Slide the SIM card/Memory card tray back into the slot.

**Note:** Your device is IP68 rated for dust and water resistance. To maintain the water-resistant and dust-resistant features of your device, make sure that the SIM card/Memory card tray openings are maintained free of dust and water, and the tray is securely inserted prior to any exposure to liquids. For more information, see [“Maintaining Water and Dust Resistance” on page 200.](#)

## Charge the Battery

Your device is powered by a rechargeable battery. A charging head and USB cable are included with the device for charging the battery from any standard outlet.

**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. For more information, see [“Maintaining Water and Dust Resistance” on page 200.](#)

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

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



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

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.

While charging, the device and the charger may become hot when using wireless charging or fast charging. This does not affect the device's lifespan or performance and is in the device's normal range of operation.

The charger may stop charging if the battery becomes too hot.

If the device heats up while charging the battery:

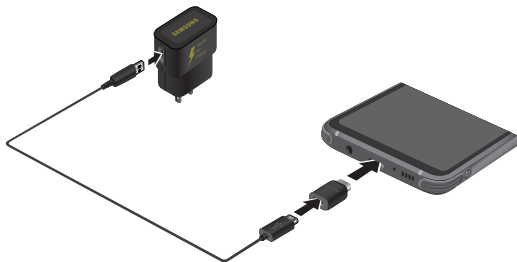
1. Disconnect the charger from the device and close any running apps.
2. Wait for the device to cool down, and then begin charging the device again.
  - If the lower part of the device overheats, check for damage to the connected USB cable. Replace the damaged USB cable with a new Samsung-approved cable.
  - If using a wireless charger, do not place foreign materials between the device and the wireless charger.



## Micro-USB Connector

Use a Micro-USB cable (not included) to connect your device to a computer with the included Micro-USB connector.

**Note:** The Micro-USB connector does not support On-the-Go USB accessories.



1. Connect the Micro-USB connector to the USB cable.
2. Insert the Micro-USB connector into the USB charger/Accessory port.
3. Insert the USB cable into the charging head.

# Start Using Your Device

## Turn Your Device On or Off

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

To turn the device on:

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

To turn the device off:

1. Press and hold the **Power** key.
2. Tap **Power off**, and confirm when prompted.

## Use the Setup Wizard

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

## Lock or Unlock Your Device

Use your device's screen lock features to secure your device. By default, the device locks automatically when the screen times out.


To lock the device:

- ▶ Press the **Power** key.

The default Screen lock on your device is Swipe.



To choose a more secure screen lock, see [“Set a Secure Screen Lock” on page 172](#).

To unlock the device:

- ▶ Press the **Power** key or double-tap  **Home**, and then drag your finger across the screen.

## Add a Google Account



Your new device uses your Google™ Account to fully utilize its Android™ features.

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

**Note:** When you sign in to a Google Account, Factory Reset Protection (FRP) is activated. FRP requires your Google Account information when resetting to factory settings. For more information, see [“Factory Data Reset” on page 168](#).



## Add a Samsung Account

Create a Samsung account for access to Samsung content and apps on your device.

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

## Add an Email Account

View and manage all of your email accounts.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Cloud and accounts** > **Accounts**.
3. Tap  **Add account** > **Email**.


## Transfer Data from Your Old Device

Use Smart Switch™ to transfer contacts, photos, and other content from your old device. You can also use the included USB connector to copy content quickly and easily from your old device, without installing the Smart Switch app.



**Note:** The USB option must be set to Media device (MTP) on the other device. Transferring content with a USB cable may increase battery consumption. Make sure your battery is fully charged.



To use Smart Switch:

1. From a Home screen, swipe up to access **Apps**, and then tap  **Settings** > **Cloud and accounts** > **Smart Switch**.
2. Follow the prompts and select the content to transfer.

Visit [samsung.com/smartswitch](https://samsung.com/smartswitch) for more information and to learn how to use the USB connector to transfer content faster.

## Set Up Your Voicemail

You can access your voicemail from a Home screen.

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

For more information on voicemail, see [“Voicemail” on page 105](#).

# Learn About 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.

# Front View



Devices and software are constantly evolving — the illustrations you see here are for reference only.

- **Proximity sensor**

- Turns off the screen and disables touch functionality when the device is in close proximity to the body.
- Turns the screen back on and enables touch functionality when the device is outside a specific range from the body.

- **Power key**

- Press to turn the screen on or off.
- Press and hold to select a power control option.
- Press twice quickly to launch the camera.

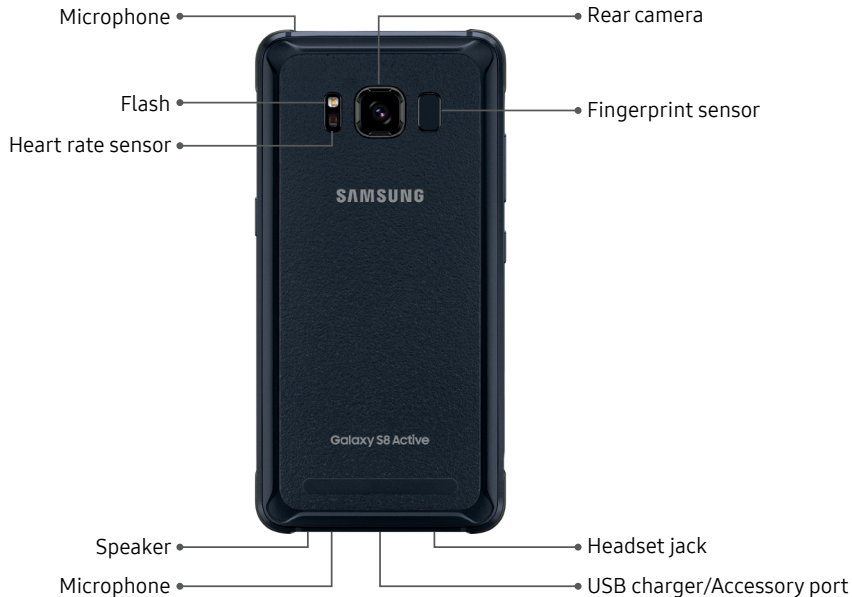
- **Volume keys**

- Adjust the volume for ringtones, calls, notifications, and system sounds.
- In the camera app, press a volume key to take a photo.

- **Bixby key**

- Launch the Bixby voice assistant. For more information, see [“Bixby” on page 31](#).

# Back View



Devices and software are constantly evolving — the illustrations you see here are for reference only.



# Navigation

Learn the basics for navigating through your device.

## Touchscreen Navigation

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 on the touchscreen may damage the tempered glass surface and void the warranty.

### 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.

### Double-Tap

Lightly tap items twice to select or launch them.

- Double-tap an image to zoom in or out.

### Touch and Hold

Touch and hold items on the screen to activate them.

- 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.

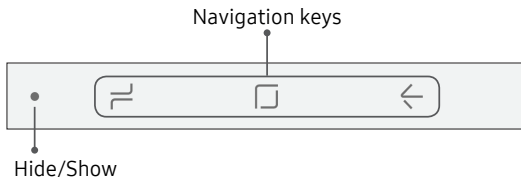
## Common Options

The device uses basic command options to perform common actions.


-  **More options:** Tap to view more menu options for a screen. This often allows you to select items to delete or share.
-  **Delete:** Tap to select items to delete.
-  **Share:** Tap to select items to share, and then choose a sharing method.
-  **Edit:** Tap to customize the screen.
- **On/Off:** Tap to turn the option on () or off ()
-  **Menu:** Tap to view available options for the field.

## Navigation Bar

The Navigation bar, at the bottom of the screen, displays the navigation keys.



## Fullscreen Mode

The navigation keys are hidden in full screen mode. When hidden, you can still use  **Home** by touching and holding the area of the screen where the icon is normally displayed.

To enter or exit full screen mode:



- ▶ Double-tap the **Hide/Show** icon to the left of the navigation keys.


To view the navigation keys in full screen mode:

- ▶ Swipe up from the bottom of the screen to display the Navigation bar.

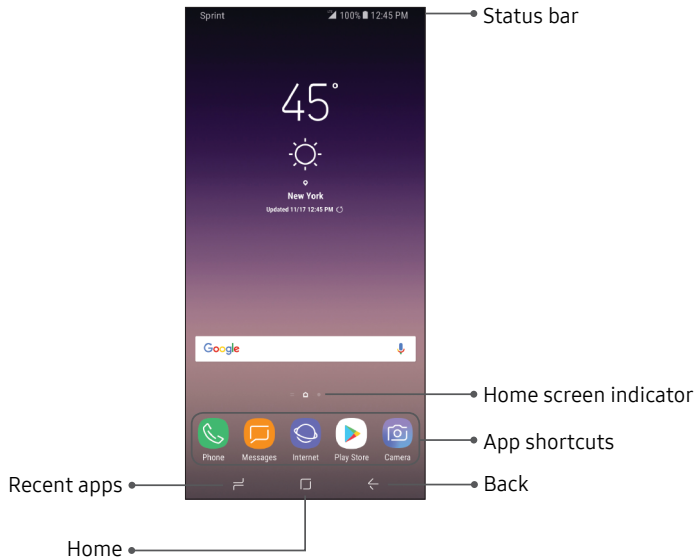
## Navigation Bar Settings

You can configure the Navigation bar background color and button layout.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Display** > **Navigation bar** for the following settings:
  - **Show and hide button:** Add a button on the left side of the navigation bar to show or hide the navigation bar.
  - **Background color:** Choose a color for the background of the Navigation bar.
  - **Unlock with Home button:** Touch and hold  **Home** while the screen is off to skip the Lock screen and go directly to the Home screen.

- **Button layout:** Choose the order of the navigation keys.
- **Home button sensitivity:** Adjust the amount of pressure needed to touch and hold  **Home** by moving the slider.

# Home Screen













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## Status Bar

The Status bar at the top of the Home screen provides device information on the right side and notification alerts on the left.

### Status Icons

-  Battery full
-  Battery low
-  Battery charging
-  Vibrate mode
-  Mute mode
-  4G LTE™ active
-  Signal strength
-  Network not available
-  Wi-Fi active
-  GPS active






### Notification Icons


-  Missed call
-  Call in progress
-  Call on hold
-  New email
-  New Gmail
-  New voicemail
-  New message
-  File download in progress
-  File upload in progress
-  Wi-Fi available
-  App updates available
-  App updates complete

# Customize Your Home Screen

## 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:
  - To align shortcuts into a line at the top of a screen, tap  **Align top**.
  - To align shortcuts into a line at the bottom of a screen, tap  **Align bottom**.
  - To remove a Home screen, tap  **Remove**.
  - To set a screen as the main Home screen, tap  **Main**. This screen is displayed when you tap  **Home**.


- To change the order of screens, touch and hold a screen, and then drag it to a new position.
- To add a screen, swipe to the end of the screens, and then tap  **Add**.
- To enable Bixby Home, swipe right, and then tap **On/Off**.

## App Shortcuts

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

1. From a Home screen, swipe up to access **Apps**.
2. Touch and hold an app shortcut to open the options menu.
3. Tap  **Add shortcut to home**.

To remove a shortcut:

1. Touch and hold an app shortcut to open the options menu.
2. Tap  **Remove shortcut**.
  - Removing a shortcut does not delete the app, it just removes the shortcut from a Home screen.

To move a shortcut from one Home screen to another:

1. Touch and hold an app shortcut to release it.
2. Drag the app shortcut to a new Home screen, and then release it.

## Use Folders

You can organize App shortcuts in folders on an Apps list screen and Home screen.

For more information, see [“Create and Use Folders” on page 50](#).

## 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 and themes** to customize.
3. Tap **View all** to see all available wallpaper images.
4. Tap an image to choose it.
  - Infinity wallpapers will be applied to all screens.
  - Other wallpapers will prompt you to select which screen you want to use it for.
  - If available, tap **Motion effect** to add movement to your screens.
5. Tap **Set as wallpaper**, and confirm when prompted.



## Themes

Customize your device with coordinated colors, wallpapers, fonts, and app icons.

1. From a Home screen, pinch the screen.
2. Tap **Wallpapers and themes > Themes** to customize.
  - Tap a theme to preview and download it to My themes.
3. Tap **View all** to see downloaded themes.
4. Tap a theme, and then tap **Apply** to apply the selected theme.

## Icons

Apply custom icons to replace built-in app icons.

1. From a Home screen, pinch the screen.
2. Tap **Wallpapers and themes > Icons** to customize.
  - Tap an icon set to preview and download it to My icons.
3. Tap **View all** to see downloaded icons.
4. Tap an icon, and then tap **Apply** to apply the selected icon set.


# Widgets

Widgets are simple application extensions that run on a Home screen.

To 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.

To remove a widget from a Home screen:

1. From a Home screen, touch and hold a widget to open the options menu.
2. Tap  **Remove**.

# Home Screen Settings

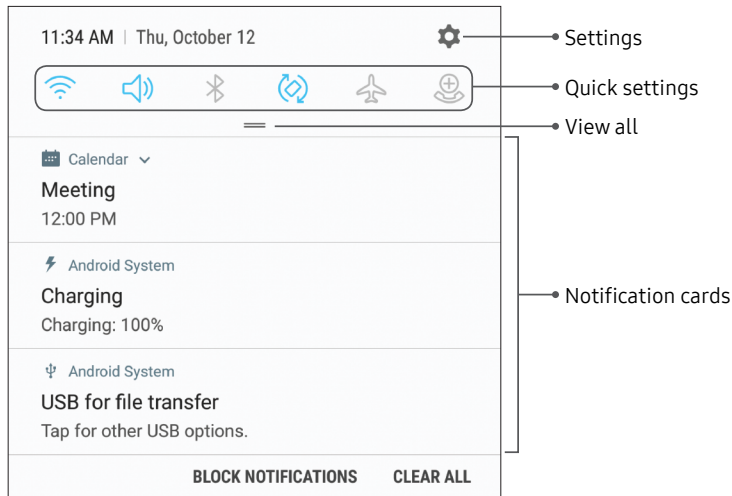
Customize your Home and Apps screens.

1. From a Home screen, pinch the screen.

2. Tap **Home screen settings** to customize:

- **Home screen layout:** Set your device to have a Home and Apps screen, or only a Home screen where all apps are located.
- **Home screen grid:** Choose a dimension option to determine how icons are arranged on the Home screen.
- **Apps screen grid:** Choose a dimension option to determine how icons are arranged on the Apps screen.
- **Apps button:** Add an apps button to the Home screen for easy access to the Apps screen.
- **Quick-open notification panel:** Enable this feature to open the Notification panel from the Home screen by swiping down.
- **Hide apps:** Select apps to hide.
- **About Home screen:** View version information.


# Notification Panel



Devices and software are constantly evolving — the illustrations you see here are for reference only.


## View the Notification Panel

You can access the Notification panel from any 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 all**.
3. Drag upward from the bottom of the screen or tap  **Back** to close the Notification panel.




You can also open or close the Notification panel by swiping up or down on the fingerprint sensor.

To open using the Fingerprint scanner:

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Advanced features** > **Finger sensor gestures**.
3. Tap **On/Off** to enable this feature.

## Quick Settings

The Notification panel provides quick access to device functions, allowing you to quickly turn them on or off.

1. Drag the Status bar down to display the Notification panel.
2. Drag  **View all** downward.
  - Tap a setting to turn it on or off.
  - Tap  **More options** to reorder Quick settings or to change the button layout.
3. Drag  **View all** upward to close the Quick settings.

# Bixby

Bixby is a virtual assistant that learns, evolves, and adapts to you. It learns your routines, helps you set up reminders based on time and location, and is built in to your favorite apps.

You can customize Bixby's chat responses, quick commands, and more from the Bixby Home page.

## Bixby Home

The Bixby Home page displays customized content based on your interactions. Bixby learns from your usage patterns and will suggest content you may like.


► From a Home screen, swipe right.

– or –

Press the **Bixby** key.

## Customize Bixby

Customize Bixby settings and learn how to use Bixby.

1. Press the **Bixby** key.
2. Tap  **More options**, and tap items to customize:
  - **Settings**: Customize your Bixby cards and voice settings.
  - **Promotions**: View available promotions from Samsung.
  - **Help**: Get access to Bixby support.

## Bixby Voice Assistant

Use your voice to give Bixby commands. You can set reminders, record dictation, or perform tasks within supported apps.



1. Press and hold the **Bixby** key.
2. Say a command.
3. Release the **Bixby** key when you are finished speaking.

## Bixby Vision

Bixby Vision is integrated with your Camera, Gallery, and Internet apps to give you a deeper understanding of what you see. It provides contextual icons for translation, QR code detection, landmark recognition, or shopping.



### Camera

Bixby Vision is available on the Camera viewfinder to help understand what you see.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Camera** >  **Bixby Vision** and follow the prompts.


### Gallery

Bixby Vision can be used on pictures and images saved in the Gallery app.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Gallery**, and then tap a picture to view it.
3. Tap  **Bixby Vision** and follow the prompts.

# Always On Display

View missed calls and notifications, check the time and date, and view other information without unlocking your device using the Always On Display (AOD) feature.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Lock screen and security** > **Always On Display**.
3. Tap **On/Off** to enable the feature, and then set the following options:
  - **Content to show:** Choose to show  **Home**, a clock, or information.
  - **Clock style:** Select a layout for the standby screen. This option is not available if you choose **Home button only**.

- **Show always:** Enable to show the AOD at all times.
  - **Set schedule:** If you disable Show always, set a schedule for when to start and end the AOD.
- **About Always On Display:** View the current software version and license information.

Some display settings can be displayed on both the Lock screen and AOD. For more information, see [“Lock Screen and AOD Settings” on page 173](#).



# AOD Themes

Apply custom themes for AOD.


1. From a Home screen, pinch the screen.
2. Tap **Wallpapers and themes** > **AOD** to customize.
  - Tap an AOD to preview and download it to My Always On Display.
3. Tap **View all** to see downloaded AODs.
4. Tap an AOD, and then tap **Apply** to apply the selected AOD.

# Face Recognition

Use face recognition as an alternative to entering passwords in certain app. You can use face recognition to unlock the screen by recognizing your face.


## Register a Face

To use your face to unlock your device, you must set a pattern, PIN, or password.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Lock screen and security** > **Face recognition**.
3. Follow the prompts to register your face.

## Face Recognition Settings

Customize how face recognition works.


1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Lock screen and security** > **Face recognition** for the following options:
  - **Remove face data:** Delete registered faces.
  - **Samsung Pass:** Use face recognition for identification when using supported apps.
  - **Face unlock:** Enable or disable face recognition security.
  - **Face unlock when screen turns on:** Use face recognition for identification when unlocking your device.
  - **Faster recognition:** Turn on for faster face recognition. Turn off to increase security and make it harder to unlock using an image or video.

# Fingerprint Scanner

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.



## Register a Fingerprint

To use your fingerprint to unlock your device, you must set a pattern, PIN, or password. You can register up to three fingerprints.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Lock screen and security** > **Fingerprint scanner**.
3. Follow the prompts to register your fingerprint.


# Fingerprint Management

Add, delete, and rename fingerprints.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Lock screen and security** > **Fingerprint scanner** for the following options:
  - To rename a fingerprint, tap the fingerprint, enter a new name, and then tap **Rename**.
  - To add a fingerprint, tap  **Add fingerprint** and follow the prompts.
  - To delete a fingerprint, touch and hold the fingerprint, and then tap **Remove**.

## Fingerprint Verification

Use fingerprint recognition to verify your identity in supported apps and actions.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Lock screen and security** > **Fingerprint scanner** for the following options:
  - **Samsung Pass:** Use your fingerprint for identification when using supported apps.
  - **Samsung account:** Use your fingerprint for identification when logging into your Samsung account.
  - **Samsung Pay:** Use your fingerprint for identification when using the Samsung Pay app.
  - **Fingerprint unlock:** Use your fingerprint for identification when unlocking your device.

## Iris Scanner


Use iris recognition as an alternative to entering passwords in certain apps. You can also use your irises to verify your identity when logging in to your Samsung account.

**Note:** The Iris scanner is not intended to be used as a medical device and the biometric data collected and stored locally by the mechanism is not intended to be used for any diagnostic, therapeutic, or preventative purposes. Please follow all instructions for use of this feature.

For more information, refer to the online support content or visit [samsung.com/us/irisscanner](https://samsung.com/us/irisscanner).

## Register Irises


Register your irises for identity verification.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Lock screen and security** > **Iris scanner**.
3. Follow the prompts to register your irises.

**Note:** To register just one of your eyes, tap the link on the setup screen to register one iris.

## Iris Verification




Iris verification can be used for other accounts accessed from your device.

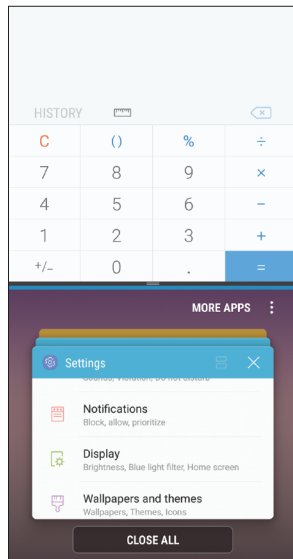
1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Lock screen and security** > **Iris scanner** for the following options:
  - **Remove iris data:** Delete registered irises.
  - **Preview screen mask:** Display a mask when using iris verification.
  - **Samsung Pass:** Use your irises for identification when using supported apps.
  - **Samsung account:** Use your irises for identification when logging into your Samsung account.
  - **Samsung Pay:** Use your irises for identification when using the Samsung Pay app.

- **Iris unlock:** Use your irises for identification when unlocking your device.
- **Iris unlock when screen turns on:** Use your irises for identification when unlocking your phone as soon as the screen turns on.
- **Tips for using iris recognition:** View a tutorial on how to use the iris scanner.

# Multi Window

Multitask by using two applications at the same time. Apps that support Multi window can be displayed together on a split screen. You can switch between the apps and adjust the size of their windows.





1. From any screen, touch and hold  **Recent apps**.
2. Tap  **Multi window** in the title bar to launch an application in split screen view.
  - Recently opened apps are displayed in the lower window. Apps that support Multi window have the  **Multi window** icon in their title bar.
  - If there are no recently opened apps that support Multi window, or if you want to launch a different app, tap **More apps**.
3. Tap an app in the lower window to add it to the split screen view.



Devices and software are constantly evolving — the illustrations you see here are for reference only.



## Window Controls

The Window controls modify the way app windows are displayed in split screen view.

- ▶ Tap the middle of the window border to display the following options:
  -  **Snap window:** Choose an area of the selected app to snap to the top of the screen.
  -  **Switch windows:** Swap the two windows.
  -  **Open in pop-up view:** Open the selected app in a pop-up window.
  -  **Close app:** Close the selected app.

## Multi Window Settings

Additional features are available for Multi window.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Advanced features** > **Multi window**, and then tap **On/Off** to enable each of the following options:
  - **Use Recents button:** Touch and hold  **Recent apps** to put the app into split screen view.
  - **Pop-up view action:** Swipe down diagonally from either the right or left top corner of the screen to put the app into pop-up view.




# Enter Text

Text can be entered using either an on-screen keyboard or your voice.









► Tap a text field to display the Samsung keyboard.

- Tap  **Symbol** to insert symbols.

# Option Keys

Use these special keys when entering text.



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

-  **Voice input:** Use Samsung voice input.
-  **Clipboard:** Access the clipboard.
-  **Emoticon:** Insert an emoticon.
-  **One-handed keyboard:** Change the keyboard layout to accommodate use with one hand.
-  **Keyboard settings:** Access keyboard settings.

**Note:** The Options key displays the last option used.

## Configure the Samsung Keyboard

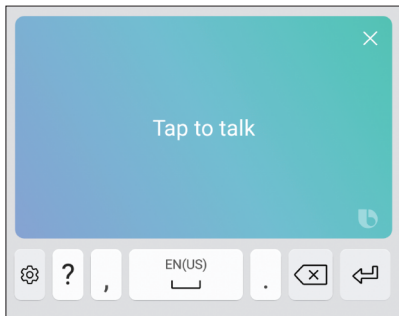
Set customized options for the Samsung keyboard.


1. From the Samsung keyboard, touch and hold  **Options**.
2. Tap  **Keyboard settings** for options:
  - **Languages and types:** Set the keyboard type and choose which languages are available on the keyboard.
    - To switch between languages, slide the Space bar sideways.
  - **Smart typing:** Use predictive text and auto-correction features to prevent common typing mistakes. Type by swiping between letters.

- **Customization:** Use alternative characters, text shortcuts, change the keyboard size, or use a high contrast keyboard.
- **Other settings:** Reset keyboard settings, clear personalized data, and view information about the Samsung keyboard.

## Use Samsung Voice Input



Instead of typing, enter text by speaking.



1. From the Samsung keyboard, tap  **Voice input**.
2. Tap the screen and speak your text.

## Configure Samsung Voice Input

Set customized options for Samsung voice input.

1. From the Samsung keyboard, tap  **Voice input**.
2. Tap  **Settings** for options:
  - **Keyboard language:** Select languages for the Samsung voice input keyboard.
  - **Voice input language:** Select languages for Samsung voice input.
  - **Hide offensive words:** Display asterisks instead of potentially offensive words.

# Emergency Mode

Use Emergency mode to access helpful emergency features and conserve your device's power during an emergency situation.

To save battery power, Emergency mode:

- Restricts application usage to only essential applications and those you select.
- Turns off connectivity features and Mobile data when the screen is off.



## Activate Emergency Mode


To activate Emergency mode:

1. Press and hold the **Power** key.
2. Tap **Emergency mode**.
  - When accessing for the first time, read and accept the Terms and conditions.
3. Tap **Turn on**.

## Emergency Mode Features

While in Emergency mode, only 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.
- **Share my location:** Send your location information to your emergency contacts.
- **Phone:** Launch the call screen.
- **Internet:** Launch the Web browser.
-  **Add:** Add other available apps.
  - **Email:** Launch the Email app.
  - **Maps:** Launch Google Maps™.
-  **Battery charge:** Display estimated battery charge remaining.

- **Estimated usage time remaining:** 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:** Manage your medical profile and ICE (In Case of Emergency) group contacts.
  - **Settings:** Configure the available settings. Only a limited number of settings are enabled in Emergency mode.

## Turn Off Emergency Mode

When emergency mode is turned off, you will return to standard mode.

1. Press and hold the **Power** key.
2. Tap **Emergency mode**.

**Note:** When Emergency mode is activated, Locating method is set to Battery saving. After Emergency mode is turned off, check your location settings. For more information, see [“Locating Method” on page 132](#).

# Apps


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

# Use Apps

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


## Access Apps

Access and launch all applications from the Apps list.

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


## Add an Apps Shortcut

In addition to swiping to access apps, you can add an Apps button to the Home screen.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **More options** > **Settings** > **Apps button**.
3. Tap **Show Apps button** > **Apply**.

## Galaxy Essentials

View and download Samsung apps that are optimized for use with Galaxy devices.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **More options** > **Galaxy Essentials**.

## Uninstall or Disable Apps



Uninstall or disable apps you download and install.

1. From a Home screen, swipe up to access **Apps**.
2. Touch and hold an app to open the options menu.
  - To uninstall an app, tap **Uninstall**.
  - To disable an app, tap **Disable**.

**Note:** Some preloaded apps can only be disabled, not uninstalled. Apps that are disabled are turned off and hidden from view.

## Sort Apps




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

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **More options** > **Sort**.
  - **Alphabetical order:** Sort apps alphabetically.
  - **Custom order:** Arrange apps manually.
    - To remove empty spaces between apps, tap  **More options** > **Clean up pages**.



## Create and Use Folders

Create a folder to organize App shortcuts on an Apps list screen.

1. From a Home screen, swipe up to access **Apps**.
2. Touch and hold an app shortcut, and then drag it on top of another app shortcut until it is highlighted.
3. Release the app shortcut to create the folder.
  - **Enter folder name:** Name the folder.
  -  **Palette:** Change the folder color.
  -  **Add apps:** Place more apps in the folder. Tap apps to select them, and then tap **Add**.
4. Tap  **Back** to close a folder.

## Copy a Folder to a Home Screen

Create a folder and copy it to a Home screen.

1. From a Home screen, swipe up to access **Apps**.
2. Touch and hold a folder, and then drag it to the top or bottom of the screen.
3. Drag the folder to the desired location on the Home screen, and then release it.




## Delete a Folder

When you delete a folder, the app shortcuts are returned to the Apps list screen.

1. From a Home screen, swipe up to access **Apps**.
2. Touch and hold a folder to delete, and then tap **Delete folder**, and confirm when prompted.

# Apps Settings


Manage your downloaded and preloaded apps.

1. From a Home screen, swipe up to access **Apps**.
  2. Tap  **Settings** > **Apps**.
  3. Tap  **Menu** to set which apps to view, and then choose **All apps**, **Enabled**, or **Disabled**.
  4. Tap  **More options** for the following options:
    - **Sort by size/name**: Sort the apps by size or name.
    - **Default apps**: Choose or change apps that are used by default for certain features, like email or browsing the Internet.
    - **App permissions**: Control which apps have permissions to use certain features of your device.
  5. Tap an app to view and update information about the app. The following options may be displayed:
    - **Show/Hide system apps**: Show or hide system (background) apps.
    - **Special access**: Select which apps can have special access permissions to features on your device.
    - **Reset app preferences**: Reset options that have been changed. Existing app data is not deleted.
- **Uninstall/Disable**: Uninstall or disable the app. Preloaded apps can only be disabled.
  - **Force stop**: Stop an app that is not working correctly.
  - **Mobile data**: View mobile data usage.
  - **Battery**: View battery usage since the last full charge.

- **Storage:** Manage the app's storage usage.
- **Memory:** View memory usage.
- **Notifications:** Configure notifications from the app.
- **Permissions:** View permissions granted to the app for access to your device's information.
- **Set as default:** Set the app as a default for a certain category of apps.

# Activity Zone

Launch this app to access several outdoor activity-related features.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Samsung** folder >  **Activity Zone**.




The following features are available:

- **Weather:** View weather conditions for your current location or a selected location.
- **Barometer:** Displays your elevation and atmospheric pressure.
- **Samsung Health:** This is a shortcut to the Samsung Health app. For more information, see [“Samsung Health” on page 109](#).
- **Compass:** Displays the direction that your device is pointing to, and your latitude and longitude.

- **Flashlight:** Use your device as a flashlight. You can also set it to blink and adjust the brightness.
- **Stopwatch:** Use your device as a stopwatch. You can also set multiple lap times.


# Calculator

The Calculator provides basic and advanced arithmetic functions.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Calculator**, and enter the first number using the numeric keys.
3. Tap the appropriate arithmetic function key, and enter the next number.
4. Tap  **Equals** to view the result.
5. Tap  **Clear** to clear the results.



## View Calculator History

View and clear your Calculator history.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Calculator** > **History**.
  - To return to the calculator, tap **Keypad**.
  - To clear the calculator history, tap **Clear history**.



## Convert Units of Measurement

Quickly convert units of measurement using the unit converter.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Calculator** >  **Unit converter**.
3. Select a category and use the drop down menus to choose units of measurement.
4. Enter the numeric value to view the conversion.

# Scientific Calculator

The Calculator app also provides advanced arithmetic functions.




1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Calculator**, and turn the device to landscape view.
  - If Auto rotate is not enabled, tap  **Rotate screen**.

# Calendar

Manage your events and tasks.


## Add Calendars

Add existing calendars to the Calendar app.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Calendar** >  **More options**.
3. Tap **Manage calendars** >  **Add account**, and select an account type.
4. Enter your account information and follow the prompts.



## Calendar View

There are several ways the calendar can be viewed.

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


## Create an Event

Use your Calendar to create events.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Calendar** >  **Add** to add an event.
3. Enter details for the event, and then tap **Save**.


## Share an Event

Share events from your Calendar.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Calendar**, tap an event, and tap again to edit it.
3. Tap **Share**, choose a sharing method, and follow the prompts.



## Delete an Event

Delete events from your Calendar.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Calendar**, tap an event, and tap again to edit it.
3. Tap **Delete**, and confirm when prompted.

## Create a Task


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

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Calendar** > **View** > **Tasks**.
3. Tap  **Add** to add a task.
4. Enter details for the task, and then tap **Save**.




## Delete a Task

Delete tasks from your Calendar.

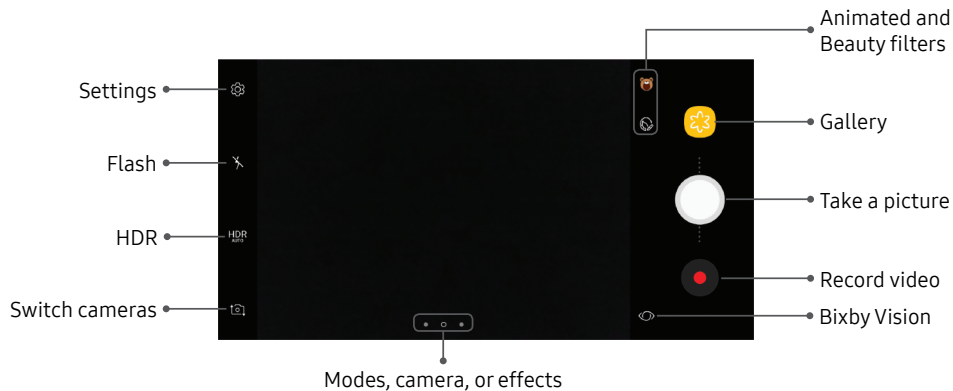
1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Calendar**, and tap a day on the calendar to view the tasks for the day, or tap **View > Tasks**.
3. Tap the  **Checkbox** by the task to mark it as complete and remove it from the calendar.
  - To delete a task, tap the task to open it, tap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

## Calendar Settings

Use Calendar settings to customize your calendar.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Calendar > ⋮ More options > Settings**.
3. Tap an option and follow the prompts.


# Camera and Video




Devices and software are constantly evolving — the illustrations you see here are for reference only.

## Take Pictures

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







1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Camera**.
3. Use the display screen as a viewfinder by aiming the camera at the subject. While composing your picture, use the available options or these gestures:
  - To focus the shot, tap the screen. When you tap the screen, a brightness scale is displayed. Slide the light bulb up or down to adjust the brightness.
  - To add an effects filter, swipe to the left and tap a filter to apply it to the screen.
  - To add a shooting mode, swipe to the right and select a mode.
  - To quickly switch between the front and rear cameras, swipe the screen up or down.

- To add a camera setting, tap a Quick settings icon or  **Settings**.

4. Tap  **Take a picture**.


## Record Videos

Record high-quality videos using your phone.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Camera** and aim the camera at your subject.
3. Tap  **Record** to begin recording a video.
  - To take a picture while recording, tap  **Capture**.
  - To temporarily stop recording, tap  **Pause**. To continue recording, tap  **Resume**.
4. Tap  **Stop** when you are finished recording.

# Configure Shooting Mode

Allow the camera to determine the ideal mode for your pictures or choose from several shooting modes.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Camera**, and swipe to the right to display the Mode options. Each section indicates which camera (front or rear) the modes are available for, and which options are common to both.

## Rear camera

- **Auto:** Allow the camera to determine the ideal mode for the picture.
- **Pro:** Manually adjust the ISO sensitivity, exposure value, white balance, and color tone while taking pictures.
- **Panorama:** Create a linear image by taking pictures in either a horizontal or vertical direction.

- **Slow motion:** Record videos at a high frame rate for viewing in slow motion. You can play a specific section of each video in slow motion after recording it.
- **Hyperlapse:** Create your own time lapse video by recording at various frame rates. The frame rate is automatically adjusted depending on the scene being recorded and the movement of the device.
- **Food:** Take pictures that emphasize the vivid colors of food.

## Front camera



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

## Common

- **Selective focus:** Change the focus of pictures after they have been taken. You can focus on subjects near to the camera, far away from the camera, or both.
- **Virtual shot:** Create multi-directional views of objects.
- **+ Download:** Download additional shooting modes from the Galaxy Apps store.
- **⋮ More options:** See more options for the camera modes.

## Camera Settings

Use the icons on the main camera screen and the settings menu to configure your camera's settings.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Camera** >  **Settings**.

### Rear camera

- **Picture size:** Select a resolution. Selecting a higher resolution for higher quality requires more memory.
- **Video size:** Select a resolution. Selecting a higher resolution for higher quality requires more memory.
- **Tracking AF:** Focus on and track a subject selected on the preview screen.
- **Shape correction:** Automatically correct distortion in pictures.
- **Timer:** Take time-delayed pictures or videos.

## Front camera

- **Picture size:** Select a resolution. Selecting a higher resolution for higher quality requires more memory.
- **Video size:** Select a resolution. Selecting a higher resolution for higher quality requires more memory.
- **Save pictures as previewed:** Save self-portraits or self-recordings as viewed on the camera screen, not as flipped images.
- **Shooting methods:**
  - **Tap screen:** Tap the screen to take selfies.
  - **Show palm:** Hold the palm of your hand toward the camera to have your picture taken in a few seconds.
  - **Tap heart rate sensor:** Once your face has been recognized, tap the heart rate sensor to take a selfie.
- **Timer:** Take time-delayed pictures or videos.


## Common

- **Motion photo:** Create a short video by taking pictures.
- **Video stabilization:** Activate anti-shake to keep the focus steady when the camera is moving.
- **Grid lines:** Display viewfinder grid lines to help compose a picture or video.
- **Location tags:** Attach a GPS location tag to the picture.
- **Review pictures:** Review pictures after taking them.
- **Quick launch:** Press the **Power** key twice in quick succession to open the camera.

- **Storage location:** Select the memory location for storage.
  - A memory card (not included) must be installed to view Storage location. For more information, see [“Install the SIM Card and a Memory Card” on page 6.](#)
- **Voice control:** Take pictures by saying “Smile,” “Cheese,” “Capture,” or “Shoot,” or record videos by saying “Record video.”
- **Floating Camera button:** Add an extra camera button that you can move anywhere on the screen in Auto and Selfie modes.
- **Volume key function:** Use the Volume key to take pictures, record video, zoom, or control system volume.
- **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, swipe up to access **Apps**.
2. Tap  **Clock**, and tap a tab to use a feature.

## Alarm

Use the Alarm tab to set one-time or recurring alarms, and choose options for how to be notified.


1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Clock** >  **Add alarm**.
3. Tap the following items to configure an alarm:
  - **Date:** Choose the day for this alarm.
  - **Time:** Set a time for the alarm.

- **Repeat:** Choose when to repeat the alarm.
  - **Alarm name:** Enter a name for the alarm.
  - **Snooze:** Allow snoozing. Set interval and repeat values for the alarm while snoozing.
  - **Alarm tone and volume:** Choose a sound to play for the alarm, and drag the slider to set the volume of the alarm.
  - **Vibration:** Choose whether the alarm uses vibration alert.
  - **Read time aloud:** Read the time aloud when the alarm rings.
4. Tap **Save** to save the alarm.




## Turn Off Alarm

At the set alarm time, the phone sounds the alarm and/or vibrates.

- To stop an alarm, tap **Dismiss**, or swipe  **Dismiss** to the left or right.
- To postpone the alarm, tap **Snooze**.

## Delete an Alarm



Delete an alarm that you created.

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

## World Clock


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

To list a city on the World clock screen:

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Clock** > **World clock** >  **Add city**.
3. Tap a city, or tap **Search** for more cities.
4. Tap **Add** to add the city to your World clock.
  - To remove a city, touch and hold it, and tap **Delete**.


## Stopwatch

Time events down to a hundredth of a second.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Clock** > **Stopwatch**.
3. Tap **Start** to begin timing.
  - To keep track of lap times, tap **Lap**.
4. Tap **Stop** to stop timing.
  - To continue timing after stopping the clock, tap **Resume**.
  - To reset the Stopwatch to zero, tap **Reset**.

## Timer

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

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Clock** > **Timer**.
3. Use the keypad and tap **Hours**, **Minutes**, and **Seconds** to set the length of the Timer.
4. Tap **Start** to begin the Timer.
  - To temporarily stop the Timer, tap **Pause**. To continue timing after pausing, tap **Resume**.
  - Tap **Cancel** to stop and reset the Timer.



# Contacts





Store and manage your contacts. You can synchronize with personal accounts added to your device. For more information, see [“Add an Account” on page 181](#).

**Note:** The Contacts app and the Contacts tab in the Phone app have different options and functions.

## Add a Contact



Use the following procedure to add a new contact.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Contacts** >  **Create contact**, and then tap contact fields to enter information.
  - Choose a storage location for the contact. You can store the contact on the device or sync it with an account.

- Tap  **Contact photo** to assign a picture or animated GIF to the new contact.
  - Enter a name and other contact information.
    - Tap  **Add field** to enter additional entries.
    - Tap  **Remove field** to remove an entry.
    - Tap  **View more** for additional fields.
    - Tap the label to the right of an entry to choose a label for the field (for example, Home or Work).
  - Tap **Scan business card** and use the camera to import contact information from a business card.
3. Tap **Save**.



## Edit a Contact

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

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



## Share a Contact

Share a contact by using various sharing methods.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Contacts**, and then tap a contact.
3. Tap  **Details** > **Share**.
4. Tap either **vCard file (VCF)** or **Text**.
5. Choose a sharing method and follow the prompts.



## Import Contacts

Your phone can import contacts from an installed memory card (not included).

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Contacts** >  **More options** > **Manage contacts**.
3. Tap **Import/Export contacts**.
4. Tap **Import** and follow the prompts.




## Export Contacts

Manually back up contacts to an installed memory card (not included).

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Contacts** >  **More options** > **Manage contacts**.
3. Tap **Import/Export contacts**.
4. Tap **Export** and follow the prompts.





## Link Contacts

Consolidate contact information from multiple sources into one contact by linking entries into a single contact.

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


## Unlink Contacts

Unlink contact information that has been linked and restore it to multiple sources.

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







## Delete Contacts

Delete a single contact or multiple contacts.

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

## Favorites

When you mark contacts as favorites, they are easily accessible from other apps.



1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Contacts**, and then tap a contact.
3. Tap  **Details**.
4. Tap  **Add to Favorites** to mark contacts as Favorites and the star brightens .
  - To remove contacts from Favorites, tap  **Remove from Favorites** and the star dims .

## Groups

Use groups to organize your contacts.




### Create a Group

Create your own contact groups.

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

### Add or Remove Group Contacts




Add more contacts to a group, or remove contacts.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Contacts** >  **More options** > **Groups**, and then tap a group.
3. Tap **Edit**.
  - To add a contact, tap **Add member**, and then tap the contacts you want to add. When finished, tap **Done**.
  - To remove a contact, tap  **Delete** next to a contact.
4. Tap **Save**.






## Send a Message to a Group

Send a text message to members of a group.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Contacts** >  **More options** > **Groups**, and then tap a group.
3. Tap  **More options** > **Send message**.

## Send an Email to a Group




Send an email to members of a group.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Contacts** >  **More options** > **Groups**, and then tap a group.
3. Tap  **More options** > **Send email**.

4. Tap contacts to select them, or tap the **All** checkbox at the top of the screen to select all, and then tap **Done**.
  - Only group members that have an email address in their records are displayed.
5. Choose an email account and follow the prompts.



## Delete a Group

Delete a group you created.

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


## Contacts Settings

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

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

## Direct Share

Share content directly with your contacts using the sharing panel from within any app. Once enabled, contacts you have shared with in the past will appear as icons in the Share window for each app.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Advanced features** > **Direct share**, and tap **On/Off** to enable.




# Email



View and manage all your email accounts in one app.

To add an email account, see [“Add an Email Account” on page 12.](#)

## Create and Send an Email


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

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Email** >  **Compose new email**.
3. Tap the **To** field to manually add an email address or tap  **Add from Contacts** to select recipients from Contacts, Groups, or Recents.
  - If manually entering recipients, enter additional recipients by separating each entry with a semicolon (;). More recipients can be added at any time before the message is sent.

- If adding a recipient from your Contacts, tap the contact to place a checkmark, and then tap **Done**. The contact is displayed in the recipients field.
  - Tap  **Show additional fields** to add Cc and Bcc fields.
4. Tap the **Subject** and **Message** fields to enter text.
    - Tap **Attach** to add an attachment to your email.
    - Tap  **More options** for additional email options.
  5. Review your message and tap **Send**.



## Manage the Inbox

There are several tools available from the Inbox screen.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Email**.
  - Tap a message to read and reply or forward it.
  - Tap **Search** to search for key words in your email inbox.
  - Tap **Edit** for additional message options.
  - Tap **Sort by** to customize how messages display.




## View Multiple Email Accounts

View email you receive for multiple accounts, or you can view email accounts individually.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Email**.
3. Tap  **Mailbox** at the top left of the screen to choose a different view:
  - **[Account name]**: View email for only one email account.
  - **All accounts**: View all email in a combined inbox.




## Remove an Email Account

To remove an email account:

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Email**.
3. Tap  **Mailbox** >  **Settings**.
4. Tap the account you want to remove.
5. Tap **Remove**, and confirm when prompted.


## Email Settings

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

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Email**.
3. Tap  **Mailbox** >  **Settings**.
  - Under **General**, tap an option, and then follow the prompts.
  - Tap an account to configure specific settings for only that account.

# Emergency Zone


Send for help by quickly calling 911 or sending SOS messages. An SOS message takes a photo with both the front and rear cameras, records five seconds of audio, and then sends the photos and audio recording to your emergency contacts.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Samsung** folder >  **Emergency Zone**.
  - To add recipients for your emergency messages, tap **Add contact**.
3. Tap **Send SOS Messages** to send the message to your emergency contacts.

For more information about sending SOS messages, see [“Send SOS Messages” on page 95](#).

# Galaxy Apps

Find and download premium apps that are compatible with your Galaxy device. A Samsung account is required to download apps.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Samsung** folder >  **Galaxy Apps**.


# Gallery

View, edit, and manage pictures and videos. The following categories allow you to organize your content:




- **Pictures:** View pictures and videos in the order they were saved. Content is organized by date.
- **Albums:** Create custom albums to organize your pictures and videos.
- **Stories:** Create custom collections of related pictures and videos and share them with your contacts.

## View Pictures

Pictures stored on your device are viewable in the Gallery app.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Gallery** > **Pictures**.

3. Tap a picture to view it. Swipe left or right to view other pictures or videos.




- To mark the picture as a favorite, tap  **Favorite**. The picture is added to Favorites under the Albums tab.
- To use Bixby Vision on the current picture, tap  **Bixby Vision**. For more information, see [“Bixby Vision” on page 32](#).
- To access the following features, tap  **More options:**
  - **Slideshow:** Start a slideshow of your pictures and videos.
  - **Set as profile picture:** Set the picture as the profile photo for a contact.
  - **Set as wallpaper:** Set the picture as wallpaper.










- **Set as Always On Display image:** Set the picture as the background image for the Always On Display.
- **Print:** Send the picture to a connected printer.

## Edit Pictures





You can edit pictures stored on your device.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Gallery**, and tap a picture to view it.
  -  **Details:** View and edit information about the image, including the date created, location, and properties.
  -  **Auto adjust:** Apply adjustments determined by built-in correction software.

-  **Edit:** View and use the editing tools.
  -  **Transform:** Straighten, crop, flip, rotate, or change other form properties.
  -  **Tone:** Adjust the brightness, exposure, contrast, saturation, hue, or white balance.
  -  **Advanced:** Adjust the tone curve, color, or backlight.
  -  **Effects:** Add color effects.
  -  **Decoration:** Overlay images, stickers, labels, or draw on the picture.
-  **More options** > **Rotate left** or **Rotate right** to rotate the picture. This option is available for pictures taken with the camera.








## Play Videos

You can play videos stored on your device.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Gallery** > **Pictures**.
3. Tap a video to view it. Swipe left or right to view other pictures or videos.
  - To mark the picture as a favorite, tap  **Favorite**. The is added to Favorites under the Albums tab.
  - To start a slideshow of your pictures and videos, tap  **More options** > **Slideshow**.
4. Tap  **Play video**.


## Edit Videos

You can edit videos stored on your device.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Gallery** > **Pictures**.
3. Tap a video to view it.
  -  **Details**: View and edit information about the picture, including the date created, location, and properties.
  -  **Edit**: Use the following tools to edit the video:
    -  **Trim**: Cut segments of the video.
    -  **Effects**: Add visual effects to the video.
    -  **Audio**: Adjust the volume levels and add background music to the video.
    -  **Movie Maker**: Download Movie Maker to edit your multimedia files.
4. Tap **Save**, and confirm when prompted.



## Video Enhancer

Enhance the playback quality of your videos in any video app.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Advanced features** > **Video enhancer**.
3. Tap **On/Off** to enable this feature.



## Share Pictures and Videos

You can share pictures and videos from your Gallery.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Gallery** > **Pictures**.
3. Tap  **More options** > **Share**, and then tap pictures and videos to select them.
4. Tap **Share**, and then choose an app or connection to use for sharing your selection. Follow the prompts.

## Delete Pictures and Videos

You can delete pictures and videos stored on your device.

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


## Take a Screenshot

Capture an image of your screen. A Screenshots album is automatically created in the Gallery app.

- ▶ From any screen, press and hold the **Power** and **Volume down** keys.

## Screenshot Options

Other methods of taking screenshots can be enabled in Settings.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Advanced features**.
3. Tap **On/Off** to enable each of the following:
  - **Smart capture**: Display additional options after capturing a screenshot, including capturing hidden areas of a scrollable screen, drawing on, cropping, and sharing the screenshot.


- **Palm swipe to capture**: Capture an image of the screen by swiping the edge of your hand across it, from side to side, keeping your hand in contact with the screen.

# Google Apps

The following apps from Google are preloaded on your device. Certain apps require a Google Account.

## Chrome


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

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Chrome**.

Visit [support.google.com/chrome](https://support.google.com/chrome) to learn more about Chrome™.

## Drive


Open, view, rename, and share files saved to your Google Drive™ cloud account.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Google** folder >  **Drive**.

Visit [support.google.com/drive](https://support.google.com/drive) to learn more about Google Drive.

## Duo


Make one-to-one video calls.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Google** folder >  **Duo**.

Visit [support.google.com/duo](https://support.google.com/duo) to learn more about Google Duo.

## Gmail


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

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Google** folder >  **Gmail**.

Visit [support.google.com/mail](https://support.google.com/mail) to learn more.


## Google

Find online content with tools that learn what interests you. Turn on your personalized feed to receive customized content.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Google**.
3. Follow the prompts to enable your feed.

## Maps


Get directions and other location-based information. You must enable location services to use Google Maps. For more information, see [“Location” on page 132](#).

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Maps**.

Visit [support.google.com/maps](https://support.google.com/maps) to learn more.

## Photos


Store and back up your photos and videos automatically to your Google Account.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Google** folder >  **Photos**.

Visit [support.google.com/photos](https://support.google.com/photos) to learn more about Google Photos™.

## Play Movies & TV


Watch movies and TV shows purchased from Google Play. You can also view videos saved on your device.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Google** folder >  **Play Movies & TV**.

Visit [play.google.com/store/movies](https://play.google.com/store/movies) to learn more.

## Play Music


Play music and audio files on your device.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Play Music**.

Visit [support.google.com/music](https://support.google.com/music) to learn more.

## Play Store


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

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Play Store**.

Visit [support.google.com/play](https://support.google.com/play) to learn more.

## YouTube









Watch and upload YouTube™ videos right from your device.



1. From a Home screen, swipe up to access **Apps**.
2. Tap  **YouTube**.

Visit [support.google.com/youtube](https://support.google.com/youtube) to learn more.

# Internet








Access the Internet with a fully-featured web browser.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Samsung** folder >  **Internet**.
3. Tap the address field, enter the web address, and then tap **Go** on the keyboard.
  -  **Add to Bookmarks:** Add the current web page to bookmarks.
  -  **Page info:** View the address and certificate for this page.
  -  **Refresh:** Refresh or reload the current web page.
  -  **Back** or  **Back:** Return to the previous page.
  -  **Forward:** Go forward to a recent page.
  -  **Home:** Display your Internet Home screen.

-  **Bookmarks:** Manage bookmarked pages, saved pages, and history.
-  **Tabs:** Manage open tabs. The number on the icon indicates the number of tabs that are currently open.

## Quick Menu




Access commonly used features of your browser.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Samsung** folder >  **Internet**.
3. Tap  **Quick menu** for the following options:
  -  **Share:** Share the webpage with others.
  -  **New tab:** Open a new tab.
  -  **Web page text size:** Change the text size.
  -  **Close:** Close the Quick menu.
  -  **Settings:** Change Quick menu options.



## Browser Tabs

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



1. From a Home screen, swipe up to access **Apps**.
2. Tap **Samsung** folder >  **Internet**.
3. Tap  **Tabs** > **New tab**.
  - To close a tab, tap  **Close tab**.

## Bookmarks Page

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



### Save a Bookmark

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

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Samsung** folder >  **Internet**.
3. Tap  **Add to Bookmarks**.



## Open a Bookmark

Quickly launch a web page from the Bookmarks page.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Samsung** folder >  **Internet**.
3. Tap  **Bookmarks** > **Bookmarks**.
4. Tap a bookmark entry.



## Save a Web Page

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

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Samsung** folder >  **Internet**.
3. Tap  **More options** > **Save webpage**.



## Open a Saved Web Page

Saved web pages can be opened on your device even if your device is not connected to the Internet.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Samsung** folder >  **Internet**.
3. Tap  **Bookmarks** > **Saved pages**.
4. Tap a saved page to open it in the browser.



## View History

You can launch recently visited web pages in History.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Samsung** folder >  **Internet**.
3. Tap  **Bookmarks** > **History**.
4. Tap an entry to launch the web page.



## Share Pages


Web pages can be shared with your contacts.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Samsung** folder >  **Internet**.
3. Tap  **More options** > **Share**, and follow the prompts.

## Secret Mode



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

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Samsung** folder >  **Internet**.
3. Tap  **1** **Tabs**.

4. Tap **Turn on secret mode**.
5. Tap **Set password** to protect your Secret mode data with a password.  
  
– or –  
  
Tap **Don't use password**.
6. Browse the Internet as usual.
  - To turn off secret mode, tap  **Tabs > Turn off secret mode**.




## Internet Settings




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

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Samsung** folder >  **Internet**.
3. Tap  **More options** > **Settings**.
4. Tap an option and follow the prompts.

# Messages



Learn how to send and receive text messages (SMS) and multimedia messages (MMS).

1. From a Home screen, swipe up to access **Apps**.
  - You can choose recipients from Contacts, Groups, or Recents.
2. Tap  **Messages** >  **Compose**.
  - To manually enter a recipient, tap the **Recipient** field.
  - To add a recipient from your contacts, tap  **Add from Contacts**.
3. Tap **Compose**.



4. Tap the **Enter message** field to enter a message.
  -  **Attach**: Add images, audio, and more to your message.
  -  **Emoticon**: Choose an available emoticon from the list and add it into your message at the cursor location.
5. Review the message and tap  **Send**.

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

## View New Messages



1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Messages**, and then tap a 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

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



## Message Search

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

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Messages** > **Search**.
3. 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, swipe up to access **Apps**.
2. Tap  **Messages** >  **More options** > **Settings**.

## Emergency Alerts


Emergency alerts notify customers of imminent threats to their safety within their geographical area. There is no charge for receiving an Emergency alert message. You can choose to not receive extreme, severe, and AMBER alerts.

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

**Note:** Presidential alerts cannot be disabled.


## Send SOS Messages

Send a message with your location to designated contacts when you are in an emergency situation.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Advanced features** > **Send SOS messages**, and then tap **On/Off** to enable this feature.
3. Tap **Send messages to** > **Add** and add recipients by creating new contacts or selecting from Contacts.
  - To include a picture from your front and rear camera in your SOS messages, tap **Attach pictures**.
  - To include a 5 second audio recording in your SOS message, tap **Attach audio recording**.
4. Press the **Power** key quickly three times to send an SOS message.

# My Files

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

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Samsung** folder >  **My Files**.
3. Tap a category to view the relevant files or folders.
4. 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 accessed files.
  - This option appears if one or more files have been accessed recently.
- **Categories:** View your files based on the file type.

- **Phone storage:** View folders and files located on the device and/or optional memory card (not included).
- **Cloud storage:** View files saved on your cloud accounts.
  - Cloud drives vary depending on the services you sign in to.

## My Files Options

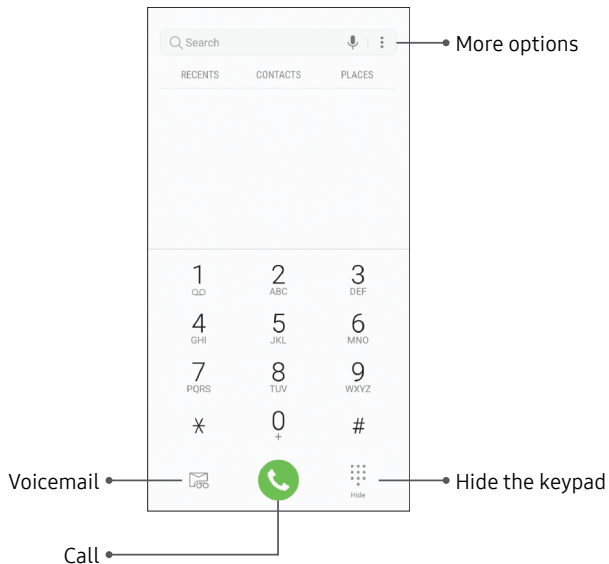
Use My File options to search, edit, clear file history, and more.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Samsung** folder >  **My Files**. The following options are available:
  -  **Search:** Search for a file or folder.
  -  **More options:** Tap for the following options:
    - **Clear recent file history:** Clear the Recent files category. This option only appears if files have been accessed recently.

- **Get more space:** View storage information for your device.
- **Settings:** View settings for the My Files app.






# Phone



Devices and software are constantly evolving — the illustrations you see here are for reference only.


## Make a Call

You can make a call from a Home screen.

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



## Enable Swipe to Call

Swipe a contact or number to the right to make a call.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Advanced features** > **Swipe to call or send messages**.
3. Tap **On/Off** to enable this feature.


## Make a Call from Recents

All incoming, outgoing, and missed calls are recorded in the Call log.

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


## Make a Call from Contacts

You can call a contact from the Contacts app.

1. From a Home screen, swipe up to access **Apps** >  **Contacts**.
2. Swipe your finger across a contact to the right to call the contact.


## Direct Calls

Call the contact whose call log, message, or contact details are currently on the screen by bringing the device close to your ear.


1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Advanced features** > **Direct call**, and tap **On/Off** to enable.

## Answer a Call

When a call is received, the phone rings and the caller's phone number or name is displayed. If you are using an app, a pop-up screen is displayed for the incoming call.


- ▶ On the incoming call screen, drag  **Answer** to the right to answer the call.

– or –


On the incoming call pop-up screen, tap  **Answer** to answer the call.

## Decline a Call

You can choose to decline an incoming call. If you are using an app, a pop-up screen is displayed for the incoming call.

- ▶ On the incoming call screen, drag  **Decline** to the left to reject the call and send it to your voicemail.

– or –

On the incoming call pop-up screen, tap  **Decline** to reject the call and send it to your voicemail.

## Decline with Message


You can choose to decline an incoming call with a text message response.

- ▶ On the incoming call screen, drag **Send message** upward and select a message.

– or –

On the incoming call pop-up screen, tap **Send message** and select a message.

## End a Call

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


## Actions While on a Call

You can adjust call volume, switch to a headset or speaker, and even multitask while on a call.

### Adjust the Call Volume


- ▶ Press the **Volume** keys to increase or decrease the volume.

– or –


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

### Switch to Headset or Speaker

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

- ▶ Tap  **Speaker** to hear the caller using the speaker.

– or –

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


### Multitasking

If you exit the call screen to use another app, your active call is indicated the Status bar.

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 while multitasking:

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


## Call Log


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

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

## Save a Contact from a Recent Call

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

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


4. Tap  **Details**.
5. Tap **Create contact**.

– or –

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




## Delete Call Records

Call log entries can be deleted.



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

## Block a Number

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

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

You can also modify the Block list in Settings:






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

## Speed Dial

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



## Create a Speed Dial

You can assign 999 speed dial numbers.

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




## Make a Call with Speed Dial

You can make a call using Speed dial.

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



## Remove a Speed Dial Number

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. If your phone is not activated, you can only make an emergency call.

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



## Make an Emergency Call 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.

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

## Voicemail

Use your phone's voicemail feature.

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







## Optional Calling Services

If available with your mobile service plan, the following calling services are supported.


### Place a Multi-Party Call

You can make another call while a call is in progress.

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



## Calling PLUS

You can make calls over Wi-Fi when you are connected to a Wi-Fi network. Calling PLUS is a service provided by your wireless service provider. Please contact your wireless service provider for details on cost and functionality.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Calling Plus**.
3. Tap **On/Off** to enable this feature.
4. Follow the prompts to set up and configure Calling PLUS.

# Phone Settings


These settings allow you to modify settings associated with the Phone app.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Phone** >  **More options** > **Settings**.
3. Tap an option and follow the prompts.

# Samsung Connect


Control and manage your connected devices by monitoring them in one place. Check the status of your devices by looking at the dashboard.

**Note:** Connection problems with non-Samsung devices are not covered by the Samsung warranty. Contact the device manufacturer for support.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Samsung** folder >  **Samsung Connect**, and sign in with your Samsung account.
3. Follow the prompts to begin using Samsung Connect.

# Samsung Gear

Connect your device to your Samsung Gear using this application.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Samsung** folder >  **Samsung Gear**.
3. Follow the prompts to set up the connection.


# Samsung Health

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

**Caution:** The information gathered from this device, Samsung 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, visit [samsung.com/us/heartratesensor](https://samsung.com/us/heartratesensor).

To access Samsung Health:

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Samsung** folder >  **Samsung Health**, and read and accept the terms and conditions.
3. Set up your health profile and goals.

## Before You Start Exercising

Although the Samsung Health application is a great companion to your exercise routine, it is always best to make sure you consult with your physician before beginning any exercise regimen. 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.



Before beginning your exercise regimen 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.

It is recommended that before engaging in an exercise routine, you consult with your doctor or medical practitioner. 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.


# Samsung Notes

Write and save notes on your device.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Samsung** folder >  **Samsung Notes**.
3. Tap  **Create** and type a note. The following tools are available:
  - **Text:** Use the keyboard to type text.
  - **Pen:** Use your finger or a stylus (not included) to write text.
  - **Brush:** Create a drawing.
  - **Image:** Insert an image into the note.
  - **Voice:** Use your voice to insert text into the note.
4. Tap **Save** when finished.



## Edit Notes

You can make edits to notes you create.

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



## Browse Notes

You can browse notes you create.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Samsung** folder >  **Samsung Notes**.
  - Browse note entries by swiping up or down.
  - To search for a note, tap  **Search**.

# Notes Options

You can edit, share, or manage notes.


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

# Samsung Pay

Samsung Pay™ allows you to make a payment with your device. It is accepted almost anywhere you can swipe or tap your credit card. A Samsung account is required.

For more information about Samsung Pay, visit [samsung.com/SamsungPay](https://samsung.com/SamsungPay).

**Note:** For added security, your credit and debit card information is not stored on a cloud service. If you are using the Samsung Pay app on multiple devices, you must sign in to the app and add all payment cards on each device.


1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Samsung Pay**, and tap **Start** and follow the prompts.

For Samsung Pay support, visit [samsung.com/us/support/owners/app/samsung-pay](https://samsung.com/us/support/owners/app/samsung-pay).

## Use Samsung Pay

Use Samsung Pay quickly and conveniently whenever you have your device with you.



**Note:** Make sure the NFC feature is enabled on your device. For more information, see [“NFC and Payment” on page 127](#).

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Samsung Pay**.
3. Select a card to pay with and authorize payments by scanning your finger on the fingerprint sensor or entering your Samsung Pay PIN.
4. Hold your phone over the store’s card reader.
  - When your payment is complete, a receipt is sent to your registered email.



## Simple Pay

Use Simple Pay to access Samsung Pay from the Lock Screen, Home screen, or Always On Display.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Samsung Pay**.
3. Tap  **More options** > **Settings** > **Use Favorite Cards**.
4. Tap **On/Off** to enable Simple Pay on each screen.

To use Simple Pay:

1. From any screen, swipe up from the bottom of the screen.
  - Your payment card and Simple Pay are displayed.
2. Drag the card down to close Simple Pay.

## Use Gift Cards with Samsung Pay

Purchase, send, and redeem gift cards from an expanding selection of your favorite retailers.

To view the list of supported retailers:

1. Visit [samsung.com/us/samsung-pay](https://samsung.com/us/samsung-pay).
2. Scroll down to “Gift cards” and click the **See all merchants** link.


## Secure Your Information

Samsung Pay is designed with the latest security technology. Payments are authorized with your fingerprint or PIN and each transaction uses a unique token each time, so your device only allows payments with your consent.

If your device is ever lost, you can use the Find My Mobile function to remotely wipe your data for even more protection. For more information, see [“Find My Mobile” on page 174](#).

# Samsung+


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

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Samsung** folder >  **Samsung+**.

Visit [samsung.com/us/samsung-plus](https://samsung.com/us/samsung-plus) to learn more.

# Secure Folder


Lock your private content and apps to enhance security.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Samsung** folder >  **Secure Folder**.

For more information, see [“Secure Folder” on page 175](#).

# Smart Switch

Use Smart Switch to transfer contacts, photos, and other content from your old device.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Samsung** folder >  **Smart Switch**.


For more information, see [“Transfer Data from Your Old Device” on page 12](#).

# Settings


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

# Access Settings

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



- ▶ From a Home screen, swipe up to access **Apps**, and then tap  **Settings**.

– or –

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

# Search for Settings

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

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings**.
3. Tap  **Search**.
4. Enter a word or words in the **Search** field. As you type, settings that match are displayed on the screen.
5. Tap an entry to go to that setting.

# Connections


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

# Wi-Fi

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



## Connect to a Wi-Fi Network

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

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


## Manually Connect to a Wi-Fi Network

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

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

## 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, swipe up to access **Apps**.
  2. Tap  **Settings** > **Connections** > **Wi-Fi**, and then tap **On/Off** to turn on Wi-Fi.
  3. Tap **Advanced** for options:
    - **Smart network switch:** Connect automatically to a mobile network connection when the Wi-Fi connection is unstable.
    - **Network notification:** Receive notifications when open networks in range are detected.
    - **Hotspot 2.0:** Connect to Hotspot 2.0 enabled Wi-Fi access points without needing a password.
    - **Manage networks:** Manage your saved Wi-Fi networks.
- **WPS push button:** Set up a connection to a WPS (Wi-Fi Protected Setup) router or other equipment.
  - **WPS PIN entry:** View the PIN used by your device to set up a PIN-secured connection to a Wi-Fi router or other equipment (not configurable).
  - **Keep Wi-Fi on during sleep:** Specify when to disconnect from Wi-Fi.
  - **Install network certificates:** Install authentication certificates.
  - **Wi-Fi control history:** View devices that have turned your Wi-Fi on or off.
  - **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).

## Wi-Fi Direct

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



### Connect to a Device with Wi-Fi Direct

Use Wi-Fi Direct to connect directly to other Wi-Fi Direct devices.

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


### Share Data with Wi-Fi Direct

Share data with another device using Wi-Fi Direct.

1. Connect your phone to the device using Wi-Fi Direct.
2. From an app, tap  **Share** or  **More options** > **Share**.
3. Tap **Wi-Fi Direct** and follow the prompts.

### Disconnect from Wi-Fi Direct

Disconnect your phone from a Wi-Fi Direct device.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Connections** > **Wi-Fi** > **Wi-Fi Direct**.
3. Tap a device to disconnect it.



# 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.

The Bluetooth communication range is approximately 30 feet.

## Pair with a Bluetooth Device



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

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

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Connections** > **Bluetooth**, and then tap **On/Off** to turn on Bluetooth.
  - Make sure that the target device is discoverable so that your device can find it. Refer to the instructions that came with the device to find out how to set it to discoverable mode.
  - When Bluetooth is first turned on, it scans for nearby Bluetooth devices and displays them.
  - To manually perform a new scan, tap **Scan**.
3. Tap the name of the target device when you see it displayed in the Bluetooth devices section.
  - Your device automatically tries to pair with the target device. If automatic pairing fails, enter the passcode supplied with the target device.

## 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, swipe up to access **Apps**.
2. Tap  **Settings** > **Connections** > **Bluetooth**, and then tap **On/Off** to turn on Bluetooth.
3. Tap  **Settings** next to the previously paired device, and then tap **Rename**.
4. Enter a new name, and tap **Rename**.

## Share Data with Bluetooth

Use Bluetooth to transfer information between your phone and another Bluetooth-enabled device.

To send data to another device using Bluetooth:


1. From an app, tap  **Share** or  **More options** > **Share**.
2. Tap **Bluetooth** and follow the prompts.

To receive data from another device using Bluetooth:

1. When another device attempts to send a file to your phone using Bluetooth, you will see a request to accept the file.
2. Tap **Accept**.
3. To open the file, drag down the Notification panel and tap **File received**.


## Connect with a Bluetooth Device

Listen to music using a Bluetooth stereo headset, or have hands-free conversations using a compatible Bluetooth headset or car kit.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Connections** > **Bluetooth**, and then tap **On/Off** to turn on Bluetooth.
3. Tap a paired device.



## Disconnect from a Bluetooth Device

Disconnect a Bluetooth device from your phone.

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


## Unpair from a Bluetooth Device

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, swipe up to access **Apps**.
2. Tap  **Settings** > **Connections** > **Bluetooth**, and then tap **On/Off** to turn on Bluetooth.
3. Tap  **Settings** next to the paired device, and then tap **Unpair** to delete the paired device.

## Phone Visibility

Allow other devices to find your mobile device and transfer files.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Connections** > **Phone visibility**, and then tap **On/Off**.


## Data Usage

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

Your service provider may account for data usage differently.


## Turn Data Saver On or Off

Data saver prevents some apps from sending or receiving data in the background, as well as reduce the frequency of data use.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Connections** > **Data usage** > **Data saver**.
3. Tap **On/Off** to turn Data saver on or off.
4. To permit certain apps to have unrestricted data usage, tap **Allow app while Data saver on**, and then tap **On/Off** next to each app that you want to permit to have unrestricted data usage.


## Turn Mobile Data On or Off

Enable or disable mobile data use on your phone.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Connections** > **Data usage** > **Mobile data** to turn mobile data on or off.


## Check Mobile Data Usage by Apps

Monitor your apps' mobile data usage.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Connections** > **Data usage** > **Mobile data usage**.
3. Tap an app to view data usage details.


## Create an Alert for Mobile Data Usage

Receive alerts when mobile data use reaches a warning amount you set.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Connections** > **Data usage**.
3. Tap **Alert me about data usage** to enable this feature.
4. Tap **Billing cycle and data warning** > **Data warning**.
5. Enter the data usage warning amount, and then tap **Set** to save.

## Additional Mobile Data Usage Options


Configure more options for mobile data usage.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Connections** > **Data usage**. The following options are available:
  - **Billing cycle and data warning:** Set the day of the month to start the bill cycle, and set data limits.
  - **Wi-Fi data usage:** View data usage over Wi-Fi connections.
  - **Restrict networks:** Select networks to prevent apps that are running in the background from using them.

# Airplane Mode

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

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


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

# NFC and Payment

NFC (Near Field Communication) allows data exchange when you touch your device with another compatible device.


## Enable NFC

Activate NFC to allow your device to exchange data with other NFC devices.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Connections** > **NFC and payment**, and then tap **On/Off** to enable or disable the option.


## Android Beam

When Android Beam is activated, you can beam app content to another NFC-capable device by holding the devices close together.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Connections** > **NFC and payment**.
3. Tap **On/Off** to turn NFC on.
4. Tap **Android Beam**, and then tap **On/Off** to enable or disable the option.


## 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, swipe up to access **Apps**.
2. Tap  **Settings** > **Connections** > **NFC and payment**.
3. Tap **On/Off** to turn NFC on.
4. Tap **Tap and pay**.
5. Choose the app that you want as your default.
  - Tap **Others** to choose other types of payment apps.


# Mobile Hotspot

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

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Hotspot and tethering** > **Hotspot**.
3. Tap **On/Off** to turn Hotspot on or off.

## Connect a Device to Your Mobile Hotspot


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

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Hotspot and tethering** > **Hotspot**.
3. Tap **On/Off** to turn on Hotspot.

4. Activate Wi-Fi on the target device.
5. Scan for Wi-Fi hotspots and select your device's Hotspot.
6. Enter your device's Hotspot password on the target device.

## Change the Mobile Hotspot Password

You can change your Hotspot password.



1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Hotspot and tethering** > **Hotspot**.
3. Tap the password and enter a new password.
4. Tap **Save**.



## Allowed Devices List



Control whether devices connect to your 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 Hotspot name and password.

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

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Hotspot and tethering** > **Hotspot**.
3. Tap  **More options** > **Allowed devices**, and then tap **Add** to enter the other device's Device name and MAC address.
4. Tap **Add** to add the device.
  - To restrict connections to your Allowed devices list, tap **Allowed devices only**.

## Configure Mobile Hotspot Settings


Manage your Mobile hotspot security and connecting settings.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Hotspot and tethering** > **Hotspot**.
3. Tap  **More options** > **Configure hotspot** for the following settings:
  - **Network name:** View and change the name of your Mobile hotspot.
  - **Hide my device:** Make your device invisible to others.
  - **Security:** Choose the security level for your Mobile hotspot.

- **Password:** If you choose a security level that uses a password, enter the password. A default password is displayed on the Mobile hotspot screen.
- **Show advanced options:** Access advanced options, including Broadcast channel, and to specify the channel your device uses for Mobile hotspot.


## Wi-Fi Sharing

Your Wi-Fi network may be shared with other devices. Be aware that your device may switch between your saved Wi-Fi networks without notice.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Hotspot and tethering** > **Hotspot**.
3. Tap **Wi-Fi sharing** to enable this feature.


## Tethering

You can use Bluetooth and USB tethering to share your device's Internet connection with a computer.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Hotspot and tethering**.
3. Tap an option:
  - Tap **Bluetooth tethering** to share your device's Internet connection using Bluetooth.
  - Connect the computer to the device using a USB cable, and then tap **USB tethering** to turn on tethering.

# Mobile Networks

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


1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Connections** > **Mobile networks** for options:
  - **Roaming**: Change voice, text and data roaming settings, including international roaming.
  - **Network mode**: Change the network mode.
  - **Access Point Names**: Choose or add APNs.
  - **Network operators**: Choose available and preferred networks.

# Location

Some apps may require one or more location services be turned on for full functionality.

## Locating Method


To use any features that require location assistance, you must enable location services.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Connections** > **Location**.
3. Tap **On/Off** to turn on Location services.
4. Tap **Locating method** to select how your location is determined:
  - **High accuracy**: Uses GPS, Wi-Fi, and mobile networks.
  - **Battery saving**: Uses Wi-Fi and mobile networks (no GPS).
  - **Phone only**: Uses GPS only.

5. Tap **Improve accuracy** to use other connections for determining your location:
  - **Wi-Fi scanning:** Allow apps and services to scan for Wi-Fi networks automatically, even when Wi-Fi is turned off.
  - **Bluetooth scanning:** Allow apps to scan for and connect to nearby devices automatically through Bluetooth, even when Bluetooth is turned off.


## Recent Location Requests

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

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

## Location Services


Location services store and use 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, swipe up to access **Apps**.
2. Tap  **Settings** > **Connections** > **Location**.
3. Tap an entry under **Location services**.

# 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. 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, swipe up to access **Apps**.
2. Tap  **Settings** > **Connections** > **More connection settings** > **Nearby device scanning**.
3. Tap **On/Off** to enable the feature.

# Printing



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

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Connections** > **More connection settings** > **Printing**.
3. Tap **Download plug-in**, and follow the prompts to add a print service.

# 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.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Connections** > **More connection settings** > **MirrorLink**.
3. Connect your device to your car's system using the USB cable.
4. Tap **Connect to car via USB** and follow the prompts.
  - Tap  **More options** > **MirrorLink device ID** to view the MirrorLink ID for your device.


# Virtual Private Networks

Set up and manage your Virtual Private Networks (VPNs). You must set a secured screen lock before setting up a VPN. For more information, see "[Set a Secure Screen Lock](#)" on page 172.



## Set Up and Manage a VPN

Use the VPN settings menu to add, edit, or delete a VPN connection to your device.

To add a VPN:

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

To edit or delete a VPN:

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


– or –

Tap **Delete** to delete the VPN.


## Connect to or Disconnect from Your VPN

Once you have set up a VPN connection, connecting to and disconnecting from the VPN is easy.

To connect to a VPN:


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

To disconnect from a VPN:

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

# Ethernet

Configure an Ethernet connection with your device.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Connections** > **More connection settings** > **Ethernet**, and follow the prompts.




# Sounds and Vibration

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


# Sound Mode

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

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

# Easy Mute

Mute sounds and video by covering the screen or turning over the device.


1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Advanced features** > **Easy mute**, and tap **On/Off** to enable.

# Vibrations

Configure your device's vibrations.


## Vibrate While Ringing

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

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


## Vibration Intensity

Set vibration intensity levels for calls, notifications, and feedback.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Sounds and vibration** > **Vibration intensity**.
3. Drag the sliders to set the intensity for each setting.

## Vibration Pattern

Choose from preset vibration patterns or create your own pattern.


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

## Volume

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


## Volume Keys for Media

Set the Volume key to control the media volume by default.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Sounds and vibration**.
3. Tap **Use Volume keys for media** to enable this feature.



## Set the Volume

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

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Sounds and vibration** > **Volume**.
3. Drag the sliders to set the volume for each setting.


## Media Volume Limiter

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


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

# Ringtone

Choose from preset ringtones or add your own.

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


– or –

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

# Notification Sounds

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

1. From a Home screen, swipe up to access **Apps**.


2. Tap  **Settings** > **Sounds and vibration** > **Notification sounds** and configure the following options:

- **Default notification sound:** Choose a default sound for all notifications.
- **Messages notifications:** Choose a sound for message notifications, and enable or disable vibration alert.
- **Calendar notifications:** Choose a sound for calendar notifications, and enable or disable vibration alert.
- **Email notifications:** Configure email account notifications.
  - An email account must be configured for this option to be available. For more information, see [“Add an Email Account” on page 12](#).

# Do Not Disturb


Use these options to determine which notifications can make sounds, and during which time periods you want to enter this mode.

To activate Do not disturb mode:

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Sounds and vibration** > **Do not disturb** and configure the following:
  - **Turn on now:** Enable this option.
  - **Turn on as scheduled:** Configure **Days**, **Start time**, and **End time** to set up a do not disturb schedule.
  - **Allow exceptions:** Customize which notifications are allowed while your device is in Do not disturb mode.
  - **Hide visual notifications:** Select options for preventing visual notifications for apps silenced by Do not disturb.


# System Sounds

Set various other system sound options.

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

# Key-Tap Feedback


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

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

# Sound Quality and Effects

You can enable sound effects when connected to a headset. Sound effects are only available when headphones or a compatible Bluetooth headset (not included) is connected.


Choose from advanced sound options to customize your audio experience.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Sounds and vibration** > **Sound quality and effects**.
3. Tap **Equalizer** and choose a setting, or tap **Advanced** or **Basic** to customize your sound settings.

4. Tap **On/Off** to enable each option:
  - **UHQ upscaler:** Enhance the sound resolution of music and videos for a clearer listening experience.
  - **Surround:** Recreate the effects of rich surround sound.
  - **Tube Amp Pro:** Simulate the soft timbre of a tube amplifier.
  - **Concert hall:** Simulate the reverb of a concert hall.
5. Tap **Adapt sound** and follow the prompts to customize your sound settings.

## Separate App Sound

You can choose to have an app play sound on a speaker or headphones separate from the rest of the sounds on your phone.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Sounds and vibration** > **Separate app sound**.
3. Tap **On/Off** to enable Separate app sound, and then set the following options:
  - **App:** Choose an app to play its sound on a separate audio device.
  - **Audio device:** Choose the audio device that you want the app's sound to be played on.




# Notifications

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


# Block App Notifications

Block notifications for apps.

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

# Customize App Notifications

Customize notification settings for each application individually.


1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Notifications**.

3. Tap an app, and select an option:

- **Allow notifications:** Receive notifications from this app.
- **Show silently:** Do not make a sound or vibrate, and block previews in pop-ups.
- **On lock screen:** Show content from this app on the lock screen.
  - This option is only displayed when a lock screen is enabled. For more information, see [“Set a Secure Screen Lock” on page 172](#).
- **Set as priority:** Allow notifications from this app to sound and turn on the screen while Do not disturb is turned on.

# Smart Alert

Set the device to vibrate when you pick it up to notify you about missed calls and messages.


1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Advanced features** > **Smart alert**, and tap **On/Off** to enable.

# Display

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


# 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, swipe up to access **Apps**.
2. Tap  **Settings** > **Display**.
3. Customize options under Brightness:
  - Drag the **Brightness** slider to set a custom brightness level.
  - Tap **Auto brightness** to automatically adjust the screen brightness based on the lighting conditions.


# Blue Light Filter

Use the Blue light filter at night to help you sleep better. You can set a schedule to automatically turn this feature on and off.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Display** > **Blue light filter**, and then choose one of the following options:
  - **Turn on now**: Enable this feature.
  - **Turn on as scheduled**: Set a schedule for when Blue light filter should be enabled. You can choose **Sunset to sunrise** or **Custom schedule**.
3. Drag the **Opacity** slider to set the opacity of the filter.

# Screen Mode

Choose a screen mode to match your type of viewing.


1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Display** > **Screen mode** and choose a screen mode:
  - Tap **Adaptive 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 you are viewing.



# Screen Resolution

You can change the screen resolution level. All apps will close when you change the resolution.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Display** > **Screen resolution** and choose a screen resolution level.
3. Tap **Apply** to change the resolution.


# Screen Zoom and Font

You can set the screen zoom level and the font size and style.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Display** > **Screen zoom and font** for the following options:
  - Drag the **Screen zoom** slider to adjust the zoom level.
  - Drag the **Font size** slider to adjust the size of text.
  - Tap a font to select it, or tap  **Download fonts** to find new fonts from Galaxy Apps.
3. Tap **Apply** to set the screen zoom and font.

# Full Screen Apps


Choose which apps you want to use in the full screen aspect ratio.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Display** > **Full screen apps** and tap apps to enable or disable this feature.


# 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, swipe up to access **Apps**.
2. Tap  **Settings** > **Display** > **Easy mode**.
3. Tap **Easy mode** to enable this feature.
4. Tap **Apply** to confirm.

To disable Easy mode:

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Display** > **Easy mode**.
3. Tap **Standard mode** to exit Easy mode.
4. Tap **Apply** to confirm.


# Icon Frames

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

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

# LED Indicator


Light up the LED indicator when charging, voice recording, or receiving notifications.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Display** > **LED indicator** to turn the feature on or off.




# Status Bar

Configure display options for the Status bar.

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


# Screen Timeout

Turn the screen off after a set amount of time.

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





# Keep Screen Turned Off

You can prevent the screen from turning on while the device is in a dark place, such as a pocket or a bag.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Display** > **Keep screen turned off** to enable or disable the feature.


# Screen Saver

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

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Display** > **Screen saver**.
3. Tap **On/Off** to enable Screen saver.
4. Configure options:
  - **Colors**: Tap the selector to display a changing screen of colors.
  - **Photo table**: Display pictures in a photo table. Tap  **Settings** for options.
  - **Photo frame**: Display pictures in a photo frame. Tap  **Settings** for options.
  - **Photos**: Display pictures from your Google Photos account. Tap  **Settings** for options.
5. Tap **Preview** for a demonstration of Screen saver.



# Smart Stay

Smart stay detects your face with the front camera so that the screen stays on while you are looking at it.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Advanced features** > **Smart stay**, and tap **On/Off** to turn the feature on.

# One-Handed Mode

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

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Advanced features** > **One-handed mode**.
3. Tap **On/Off** to enable or disable the following:
  - **Gesture:** Swipe up diagonally from either bottom corner to reduce the display size.
  - **Button:** Tap  **Home** three times in quick succession to reduce the display size.

# Device Maintenance


View the status of your device's battery, storage, and memory. You can also automatically optimize your device's system resources.

# Quick Optimization

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


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


To use the quick optimization feature:

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Device maintenance**.
3. Tap **Optimize now**.

# Battery


View how battery power is used for device activities.

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

- **Always sleeping apps:** Select apps that will be put to sleep immediately when they are not being used.
-  **More options > Advanced settings:** Configure advanced battery settings and notifications.

## Performance Mode

Optimize your device's performance features to best fit your usage.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings > Device maintenance > Performance mode**. Choose one of the following options:
  - **Optimized (recommended):** Balance battery life and screen resolution for everyday use.
  - **Game:** Enhance your gaming experience by making games run more smoothly.



- **Entertainment:** Enjoy music and videos with ultra high quality sound and enhanced images.
- **High performance:** Experience the highest quality display settings.

## Storage

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

### Device Memory

View and manage the memory used by the device.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings > Device maintenance > Storage**.  
To increase available memory:
  1. From a Home screen, swipe up to access **Apps**.
  2. Tap  **Settings > Device maintenance > Storage**.
  3. Tap **Clean now** and follow the prompts.



## Memory Card (SD Card)

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

For more information, see [“Install the SIM Card and a Memory Card” on page 6.](#)



## Mount a Memory Card

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

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



## Remove a Memory Card

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

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Device maintenance** > **Storage**.
3. Tap  **More options** > **Storage settings**.
4. Under **Portable storage**, tap your SD card, and then tap **Unmount**.
5. Remove your memory card from the device.


## Format a Memory Card

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

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

## Memory

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

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






# Language and Input

Configure your device's language and input settings.


## Change the Device Language

You can add languages to your list and organize them according to preference. If an app does not support your default language then it will move to the next supported language in your list.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **General management** > **Language and input** > **Language**.
3. Tap  **Add language**, and select a language from the list.
4. Touch and hold  **Move** next to a language, and drag it to the top of the list to set it as the device language.
5. Tap **Apply**.


## Default Keyboard

You can select a default keyboard for your device's menus and keyboards. Additional keyboards can be downloaded from the Google Play store.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **General management** > **Language and input**.
3. Tap **Default keyboard**, and select a keyboard.

# Google Voice Typing


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

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **General management** > **Language and input**.
3. Tap **On-screen keyboard** > **Google voice typing**.
  - **Languages:** Select languages for Google voice typing.
  - **“Ok Google” detection:** Launch a Google search whenever you say “OK Google”.
  - **Hands-free:** Allow requests with the device locked.
  - **Speech output:** Select options for spoken feedback.

- **Offline speech recognition:** Download and install speech recognition engines, allowing you to use voice input while not connected to the network.
- **Block offensive words:** Hide search results that contain offensive words.
- **Bluetooth headset:** Records audio through a Bluetooth headset, if available.


## Manage On-Screen Keyboards

Enable or disable on-screen keyboards.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **General management** > **Language and input**.
3. Tap **On-screen keyboard** > **Manage keyboards**.
4. Tap each keyboard to enable or disable.



## Physical Keyboards

Customize options when you have a physical keyboard connected to your device (sold separately).

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **General management** > **Language and input**.
3. Tap **Physical keyboard**, and then choose an option:
  - **Show on-screen keyboard:** Show the on-screen keyboard while a physical keyboard is also being used.
  - **Keyboard shortcuts:** Show explanations of the keyboard shortcuts on the screen.

## Text-to-Speech Options


Configure your Text-to-Speech (TTS) options. TTS is used for various accessibility features, such as Voice Assistant.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **General management** > **Language and input** > **Text-to-speech** for options:
  - **Preferred TTS engine:** Choose either the Samsung or Google Text-to-speech engine. Tap  **Settings** next to each TTS engine for options.
  - **Speech rate:** Set the speed at which the text is spoken.
  - **Pitch:** Set the pitch of the speech.
  - **Reset speech rate:** Reset the speech rate.

- **Reset pitch:** Reset the speech pitch.
- **Listen to example:** Tap to play a short demonstration of speech synthesis.
- **Default language status:** Display the default language in use.


## Pointer Speed

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

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


# Date and Time

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

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

# Report Diagnostic Information

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


1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **General management** > **Report diagnostic information**.
3. Read and accept the consent information to enable this feature.

# Reset

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


## 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, swipe up to access **Apps**.
2. Tap  **Settings** > **General management** > **Reset** > **Reset settings**.
3. Tap **Reset settings**, and confirm when prompted.

## Reset Network Settings

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

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

# Factory Data Reset


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

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

Before resetting your device:

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

To reset your device:

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


## Factory Reset Protection

When you sign in to a Google Account on your device, Factory Reset Protection is activated. Factory Reset Protection prevents other people from using your device if it is reset to factory settings without your permission. For example, if your device is lost or stolen and a factory data reset is performed, only someone with your Google Account username and password can use the device. For more information, visit [samsung.com/us/support/frp](https://samsung.com/us/support/frp).

You will not be able to access the device after a factory data reset if you do not have your Google Account username and password.

## Auto Restart


Optimize your device by restarting it automatically at set times. Any unsaved data is lost when the device restarts.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **General management** > **Reset** > **Auto restart**.
3. Tap **On/Off** to activate Auto restart, and then set the following parameters:
  - **Time:** Set the time of day to restart your device.
  - **Day:** Select the day of the week to automatically restart your device.



# Software Update

Check for and install available software updates for your device.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **System updates** for the following options:
  - **Download updates manually:** Check for software updates.
  - **Download updates automatically:** Download software updates automatically when connected to a Wi-Fi network.

# Lock Screen and Security

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


# Screen Lock Types

The various Screen lock types offer high, medium, or no security. Choose from the following: Swipe, Pattern, PIN, Password, and None.

## Set a Secure Screen Lock

It is recommended that you secure your device using a secure screen lock (Pattern, PIN, or Password).

To set a secure screen lock:

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Lock screen and security** > **Screen lock type** and tap a secure screen lock (**Pattern**, **PIN**, or **Password**).

3. Tap **On/Off** to enable showing notifications on the lock screen. The following options are available:

- **Hide content:** Enable to hide the content of notifications.
- **Notification icons only:** Enable to hide notification details and show only the icon.

4. Tap **Done** when finished.

5. Configure the following screen lock options:

- **Smart Lock:** Unlock your device automatically when trusted locations or other devices have been detected. A secure screen lock is required for this feature.
- **Secure lock settings:** Customize your secure lock settings. A secure screen lock is required for this feature.


## Biometric Locks

The following biometric lock types are available:

- **Face recognition:** Use facial recognition to unlock your device. For more information, see [“Face Recognition” on page 35](#).
- **Fingerprint scanner:** Use fingerprint recognition to unlock the screen. For more information, see [“Fingerprint Scanner” on page 36](#).
- **Iris scanner:** Use iris recognition to unlock the screen. For more information, see [“Iris Scanner” on page 37](#).


## Lock Screen and AOD Settings

Configure display settings for the Lock screen and Always On Display (AOD).

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Lock screen and security** for options:
  - **Information and FaceWidgets:** Set a roaming clock, FaceWidgets, or Contact Information to display on the Lock screen and Always On Display screen.
  - **Notifications:** Select which notifications to display on the Lock screen and Always On Display screen.
  - **App shortcuts:** Select which apps to open from the Lock screen.

# Samsung Pass


Use Samsung Pass to access your favorite services with biometric data. You must sign in to your Samsung account to use Samsung Pass.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Lock screen and security** > **Samsung Pass**.
3. Follow the prompts to sign to your Samsung account and add your biometric data.

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

- ▶ To access your device remotely, visit [findmymobile.samsung.com](https://findmymobile.samsung.com).

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Lock screen and security** > **Find My Mobile**.
3. Enter your Samsung account password or, if you are not logged in to your Samsung account, tap **Add account** and follow the prompts. The following options are available:
  - **Remote controls:** Activate or deactivate Remote controls, which allows you to access your device remotely.
  - **Google location service:** Activate or deactivate Google location service. This service must be on in order to find your device.
  - **Send last location:** Allow your phone to send its last location to the Find My Mobile server when the battery falls below a certain level.


# Unknown Sources

Enable installation of non-Google Play applications.

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


# Secure Folder

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

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


# Secure Startup

Protect your device by requiring a numeric PIN, pattern, or password to be entered before it starts up. You must have a secured screen lock for this option to be available.

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


# Encrypt SD Card

Protect your SD card by encrypting its data.

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


# View Passwords

Display password characters briefly as you type them.

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

# Security Update Service


Automatically receive security updates.

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

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


# Device Administration

Manage your device administrators and application installation privileges.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Lock screen and security** > **Other security settings** > **Device administrators**.
3. Tap an option to enable it as a device administrator.


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

# Advanced Security Settings

Use these options to configure advanced security settings.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Lock screen and security** > **Other security settings** for the following advanced options:
  - **Trust agents:** Perform selected actions when trusted devices are connected.
    - This option is only displayed when a lock screen is enabled. For more information, see [“Set a Secure Screen Lock” on page 172](#).
  - **Pin windows:** Pin an app on your device screen, preventing access to other features of your device.




- **Usage data access:** View the applications that can access your device's usage history.
- **Notification access:** View the applications that can access notifications you receive on your device.
- **Do not disturb permission:** View which apps have permission to change the Do not disturb settings.

# Accounts

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

# Samsung Cloud

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


1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Cloud and accounts** > **Samsung Cloud**.
  - If a Samsung account has not been added, follow the prompts to add one.
3. Once a Samsung account is configured, the following options are available:
  - **Manage cloud storage**: View how much cloud storage your data is using.
  - **Backup settings**: Configure backup for supported apps using your Samsung Cloud account.

- **Restore**: Download any stored backup information to your device.
- **Data to sync**: Tap the following items to enable or disable syncing:
  - **Contacts (Samsung account)**: Sync contact info.
  - **Calendar (Samsung account)**: Sync your events and tasks.
  - **Samsung Notes**: Sync your notes and categories.
  - **Samsung Internet**: Sync bookmarks, saved pages, and opened tabs from your browser.
  - **Keyboard data**: Sync predictive text data.
  - **Gallery**: Sync your images and videos.

- **More options:**
  - **Sync now:** Sync all selected settings for your Samsung account.
  - **Sync information:** Read more information on what can be synced with your Samsung Cloud account.
  - **Settings:** Configure Sync, notifications, or remove your Samsung account.
  - **FAQ:** Launch the Samsung help web site to view additional information based on frequently asked questions.
  - **Contact us:** Contact Samsung.



## My Profile

Manage your personal information and Samsung account details.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Cloud and accounts** > **My Profile**.
  - If a Samsung account has not been added, follow the prompts to add one.



## Add an Account

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

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

## Synchronize Accounts


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

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

## Account Settings



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

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, swipe up to access **Apps**.
2. Tap  **Settings** > **Cloud and accounts** > **Accounts** > **[Account type]**.
3. Tap an account to configure that account's sync settings.
4. Tap other available options for the account type.

## Remove an Account

You can remove accounts from your device.


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

## Backup and Restore

Back up your data to your Samsung or Google Accounts.


### Samsung Account

Enable backup of your information to your Samsung account.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Cloud and accounts** > **Backup and restore** for options:
  - **Backup settings:** Configure your Samsung account to back up your data.
  - **Restore:** Use your Samsung account to restore your backup data.


## Google Account

Enable backup of your information to your Google Account.

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

## Google Settings

Configure your device's Google settings. Available options depend on your Google Account.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Google** and select an option to customize.

# Accessibility


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

For more information about Accessibility for Samsung products, please contact us at [accessibility@sea.samsung.com](mailto:accessibility@sea.samsung.com).



# Vision

You can turn on Accessibility features to assist with visual aspects of the device.


1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Accessibility** > **Vision**, and tap an option:
  - **Voice Assistant:** Give spoken feedback to assist blind and low-vision users.
    - Voice Assistant can collect all of the text you enter, except passwords, including personal data and credit card numbers. It may also log your user interface interactions with the device.
  - **Voice Assistant help:** View help on using Voice Assistant.
  - **Dark screen:** Keep the screen turned off at all times for privacy.

- **Rapid key input:** Release your finger to enter selection instead of double tapping.
- **Speak passwords:** Read the characters aloud as you enter your passwords.
- **Accessibility shortcut:** Quickly enable accessibility features in two quick steps.
- **Voice Label:** Write voice recordings to NFC tags to provide information about nearby objects.
- **Screen zoom and font:** Configure the screen zoom level and font size and style.
- **High contrast fonts:** Adjust the color and outline of fonts to increase the contrast with the background.
- **High contrast keyboard:** Adjust the size of the Samsung keyboard and change its colors to increase the contrast between the keys and the background.

- **Show button shapes:** Show buttons with shaded backgrounds to make them stand out.
- **Magnifier window:** Magnify content shown on the screen.
- **Magnification gestures:** Use exaggerated gestures such as triple-tapping, double pinching, and dragging two fingers across the screen.
- **Large mouse/touchpad pointer:** Enable a large pointer for a connected mouse or touchpad.
- **Grayscale:** Enable grayscale mode instead of using colors.
- **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 because of the screen color.

## Hearing


You can turn on Accessibility features to assist with audio aspects of the device.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Accessibility** > **Hearing**, and tap an option:
  - **Sound detectors:** Receive alerts when the device detects a baby crying or a doorbell.
  - **Flash notification:** Set the camera light or screen to blink whenever you receive a notification.
  - **Mute all sounds:** Turn off all notifications and audio for privacy.
  - **Hearing aids:** Improve the sound quality for use with hearing aids.
  - **Samsung subtitles (CC):** Use Samsung subtitles with multimedia files when available.

- **Google subtitles (CC):** Use Google subtitles with multimedia files when available.
- **Left/right sound balance:** Use the slider to set the left and right balance when using a stereo device.
- **Mono audio:** Switch audio from stereo to mono for use with one earphone.

## Dexterity and Interaction


You can turn on Accessibility features to assist with dexterity and interaction aspects of the device.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Accessibility** > **Dexterity and interaction**, and tap an option:
  - **Universal switch:** Control your device with your customized switches.

- **Assistant menu:** Improve the device accessibility for users with reduced dexterity.
- **Easy screen turn on:** Turn on the screen without having to press any buttons.
- **Press and hold delay:** Select a time interval for this action.
- **Click after pointer stops:** If using a mouse (not included), set your device to automatically click when the mouse cursor stops moving.
- **Interaction control:** Block areas of the screen from touch interaction. Disable auto screen rotation and hard key functions. Only show application notifications in the Notification panel and the Status bar.

# More Accessibility Settings


Customize additional accessibility features for your device.

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Accessibility**, and tap an option:
  - **Text-to-speech:** Set your preferred TTS engine and options. For more information, see [“Text-to-Speech Options” on page 165](#).
  - **Direction lock:** Unlock the screen by swiping in a series of directions.
  - **Direct access:** Open your accessibility settings by pressing the **Volume up** key and the **Power** key together.
  - **Notification reminder:** Beep at set intervals to remind you of any unread notifications.

- **Answering and ending calls:** Select shortcuts for answering and ending calls.
- **Single tap mode:** Dismiss or snooze alarms, calendar events, and timer alerts, and answer or reject incoming calls with a single tap.
- **Manage accessibility:** Import and export your accessibility settings, or share them with other devices.

## Accessibility Services

Additional accessibility apps may be downloaded from the Google Play store.


1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Accessibility**.
3. Other installed accessibility services may be listed and configured under **Services**.

# Other Settings

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


# Help

View the user manual on your device.



1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Help**.

# Manage Game Features

Automatically arranges all your games in one place.


1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Advanced features** > **Games** > **Game launcher**.

# Device Assistance App

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **Advanced features** > **Device assistance app**.
3. Tap an option to customize:
  - **Device assistance app**: Select your default assistance app.
    - Tap  **Settings** to configure the current assistance app.
  - **Analyze on-screen text**: Allow the device assistance app to analyze text shown on the screen to provide related content.
  - **Analyze on-screen images**: Allow the device assistance app to take and use images of the screen.

# About Phone

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

1. From a Home screen, swipe up to access **Apps**.
2. Tap  **Settings** > **About phone**, and then tap items for more details:
  - **My phone number:** View your phone number.
  - **Software version:** View the current software version.
  - **Hardware version:** View the hardware version.
  - **Status:** View the status of the battery, network, and other information about your device.

- **Legal information:** View legal notices and other legal information, including your embedded Samsung legal information.
- **Device name:** View and change your device's name.
- Additional device information includes the Model number, Android version, Build number, and more.

# Getting Help

Additional resources  
for your device.



# Videos

[samsung.com/spsn](https://samsung.com/spsn)

# Simulators

[samsungsimulator.com](https://samsungsimulator.com)

# Tips

[samsung.com/us/support/tips/galaxy](https://samsung.com/us/support/tips/galaxy)

# Samsung Care

[samsung.com/us/support](https://samsung.com/us/support)

# Legal

View legal information  
for your device.

# Legal Information

**READ THIS INFORMATION BEFORE USING YOUR MOBILE DEVICE.**

**Arbitration Agreement - This Product is subject to a binding arbitration agreement between you and SAMSUNG ELECTRONICS AMERICA, INC. (“Samsung”). You can opt out of the agreement within 30 calendar days of the first consumer purchase by emailing [optout@sea.samsung.com](mailto:optout@sea.samsung.com) or calling 1-800-SAMSUNG (726-7864) and providing the applicable information. For complete terms and conditions that bind you and Samsung, refer to the “Arbitration Agreement” section of the Terms & Conditions, included with the Product.**

## Find Legal Information Online

The full Arbitration Agreement, Standard Limited Warranty, End User License Agreement (EULA), and Health & Safety Information for your device are available online:

Arbitration Agreement, Standard Limited Warranty, and Health & Safety Information:

Phone:

- English: [samsung.com/us/Legal/Phone-HSGuide](https://samsung.com/us/Legal/Phone-HSGuide)
- Spanish: [samsung.com/us/Legal/Phone-HSGuide-SP](https://samsung.com/us/Legal/Phone-HSGuide-SP)

Tablet:

- English: [samsung.com/us/Legal/Tablet-HSGuide](https://samsung.com/us/Legal/Tablet-HSGuide)
- Spanish: [samsung.com/us/Legal/Tablet-HSGuide-SP](https://samsung.com/us/Legal/Tablet-HSGuide-SP)

End User License Agreement:

- English: [samsung.com/us/Legal/SamsungLegal-EULA4](https://samsung.com/us/Legal/SamsungLegal-EULA4)
- Spanish: [samsung.com/us/Legal/SamsungLegal-EULA4/#SPANISH](https://samsung.com/us/Legal/SamsungLegal-EULA4/#SPANISH)

## Find Legal Information on the Mobile Device

The full Arbitration Agreement, Standard Limited Warranty, End User License Agreement (EULA) and Health & Safety Information are also available on the device, in the Samsung legal section of Settings. The location depends on the device, and is usually in the “About device” or “About phone” section, for example:

- **Settings** > **About phone** or **About device** or **About tablet** > **Legal information** > **Samsung legal**
- Or, use the Search feature to search for “Legal”.

## Intellectual Property

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## **Disclaimer of Warranties; Exclusion of Liability**

The information below explains that a user accepts this Product as sold, including the hardware and software components as created and packaged for sale. If the user changes these parameters through a unique modification, Samsung will not be held responsible for damages or issues that result from these end-user changes.

Except as set forth in the Standard Limited Warranty that accompanies the Product, the purchaser takes the product “as is”, and Samsung makes no express or implied warranty of any kind whatsoever with respect to the product, including but not limited to the:

- merchantability of the product or its fitness for any particular purpose or use;
- design, condition or quality of the product;

- performance of the product;
- workmanship of the product or the components contained therein; or
- compliance of the product with the requirements of any law, rule, specification or contract pertaining thereto.

Nothing contained in the User Manual shall be construed to create an express or implied warranty of any kind whatsoever with respect to the Product. In addition, Samsung shall not be liable for any damages of any kind resulting from the purchase or use of the product or arising from the breach of the express warranty, including incidental, special or consequential damages, or loss of anticipated profits or benefits.

## Modification of Software

Samsung is not liable for performance issues or incompatibilities caused by your editing of registry settings, or your modification of Operating System (OS) software.

**Using custom OS software may cause your device and applications to work improperly. Your carrier may not permit users to download certain software, such as custom OS.**

## Samsung Knox

Samsung Knox is Samsung's security platform and is a mark for a Samsung device tested for security with enterprise use in mind. Additional licensing fee may be required. For more information about Knox, please refer to: [samsung.com/us/knox](https://samsung.com/us/knox)

## Maintaining Water and Dust Resistance

**CAUTION!** To avoid electric shock and damage to your device, do not charge device while it is wet or in an area where it could get wet. Do not handle device, charger or cords with wet hands while charging.

This device is rated IP68 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 IP68 as described by the international standard IEC 60529 – Degrees of Protection provided by Enclosures [IP Code]; test conditions: 15-35°C, 86-106 kPa, 5.0 feet, 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.

**Note:** If any liquid is found to have entered your device components or an internally sealed system, this condition will void your device warranty.

Follow these tips carefully to prevent damage to the device.

- **Any device which uses accessible compartments or ports that can be opened, should have these sealed or closed tightly to prevent liquid from entering the system.**
- Whenever your device gets wet, dry it thoroughly with a clean, soft cloth. If your device has gotten wet, 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.

- Do not expose the device to salt water or ionized water, or to water over 5.0 feet 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.
- Water resistant based on IP68 rating, which tests submersion in fresh water up to 5 feet for up to 30 minutes. If Device is exposed to fresh water, dry it thoroughly with a clean, soft cloth; if exposed to liquid other than fresh water, rinse with fresh water and dry as directed.

**Warning!** Liquid other than fresh water may enter the device faster. 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.**
- To maintain the water-resistant and dust-resistant features of your device, if an S Pen is available for use, verify it is securely inserted prior to any exposure to liquids.
- The touchscreen and other features may not work properly if the device is used in water or in other liquids.

**Note:** This device passed military specification (MIL-STD-810G) testing against a subset of 21 specific environmental conditions, including temperature, dust and humidity, shock/vibration, and low pressure/high altitude. Device may not perform as shown in all extreme conditions.

## Restricting Children's Access to Your Mobile Device

Your device is not a toy. Do not allow children to play with it because they could hurt themselves and others, damage the device, or make calls that increase your device bill. Keep the device and all its parts and accessories out of the reach of small children.

## Samsung Electronics America, Inc.

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

Screen images are simulated. Appearance of device may vary.

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.

Please check with your service provider to verify qualifying services/features.