This document is watermarked because certain important information in the document has not yet been verified.
This document has been sent to you as a draft and for informational purposes only.
The document should only be used for internal purposes and may not be distributed outside of the company.
Distributing the document outside of the company could result in legal exposure to the company if the preliminary, unverified information in the draft turns out to be inaccurate.

Model : SM-A176U
FCC ID:A3LSMA176U
Variant Model :
SM-A176U1
SM-S176V

User Guide

Contents

Features

Galaxy AI | Biometric security | Dark mode

Getting started

Device Layout: Galaxy A17 5G

Set up your device: Maintaining water and dust resistance | Charge the battery

Start using your device: Turn on your device | Use the Setup Wizard | Transfer data for device setup | Lock or unlock your device | Side button settings | Accounts | Set up voicemail | Navigation | Navigation bar | Customize your home screen | Galaxy AI | Modes and Routines | Digital wellbeing and parental controls | Multi window | Enter text

Customize your home screen: App icons | Wallpaper | Themes | Icons | Widgets | Home screen settings | Status bar | Quick settings | Notification panel

Camera and Gallery

Camera: Navigate the camera screen | Configure shooting mode | Record videos | Camera settings

Gallery: Open pictures | Edit pictures | Play video | Super HDR | Edit video | Share pictures and videos | Delete pictures and videos | Take a screenshot | Screen recorder

Samsung apps

Bixby | Find | Gaming Hub | Global Goals | Members | News | SmartThings | Store | Tips | TV | Wallet | Wearable | Calculator | Calendar | Clock | Contacts | Health | Internet | My Files | Phone | Notes

DRAFT–FOR INTERNAL USE ONLY

Google apps

Chrome | Drive | Gemini | Gmail | Google | Google TV | Maps | Meet | Messages | Photos | Play Store | Wallet | YouTube | YT Music

Microsoft apps

Outlook | M365 Copilot | OneDrive

Settings

Connections: Wi-Fi | Bluetooth | NFC and payment | Airplane mode | SIM manager | Mobile networks | Data usage | Mobile hotspot | Tethering | Nearby device scanning | Connect to a printer | Virtual Private Networks | Private DNS | Ethernet | Auto update system configurations | Connected devices

Customization: Display | Notifications | Sounds and vibration

Security: Lock screen and security | Face recognition | Fingerprint scanner

Accounts: Add an account | Account settings | Remove an account | Backup and restore | Google settings

Backup: Samsung account | Google Account | External storage transfer

Accessibility: Recommended for you | Vision enhancements | TalkBack | Hearing enhancements | Interaction and dexterity | Advanced settings | Installed apps | About Accessibility | Contact us

Other: Labs | Game booster settings | Galaxy Avatar | Dual Messenger | Tips and user guide | About phone

Learn more

Legal information

Getting started

Galaxy A17 5G

Set up your device

Start using your device

Galaxy A17 5G

Devices and software are constantly evolving — illustrations are for reference only.

Set up your device

Maintaining water and dust resistance | Charge the battery | Wireless power sharing

Your device uses a nano-SIM card. A SIM card may be preinstalled, or you may be able to use your previous SIM card. This device is also compatible with an eSIM. Learn more: SIM manager

Network indicators for 5G service are based on your service provider's specifications and network availability. Contact your service provider for more details.

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 tray openings are maintained free of dust and water, and the tray is securely inserted prior to any exposure to liquids.

Maintaining water and dust resistance

Your device is rated IP68: Dust-tight. Tested for submersion in up to 5 feet of fresh water for up to 30 minutes.

Devices with IP ratings have been tested in controlled environments and certified to be water- and/or dust-resistant to the device rating specified under testing conditions.

Use your device in a manner consistent with the IP rating of your device. Failure to do so may result in damage to your device. Learn more: **samsung.com/us/support/legal/mobile**

The device is not impervious to dust and water damage in any situation. It is important that all compartments are closed tightly. Any device which uses accessible compartments or ports that can be opened should have these sealed or closed tightly.

The suggestions below will help you maintain your device's performance and fulfill any warranty obligations.

- If your device is exposed to liquids other than fresh water (such as saltwater), rinse your device with fresh water dry it with a clean, soft cloth, and shake it to remove any excess water.
- If the device is dropped or receives an impact that causes physical damage to the device, the water and dust-resistant features of the device may be affected. If you suspect your device has been damaged because of a fall or impact, take it to a Samsung-authorized service center for inspection.
- Make sure to allow the device to dry before attempting to charge.
- If the device has been immersed in water or the microphone or speaker is wet, sound may not be heard clearly during a call while the device is immersed or the microphone or speaker is wet.

- If your device is exposed to dust, wipe it with a soft, lint-free cloth to remove dust buildup.
- Do not put your device into a washer or dryer.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean your device.
- Do not place any paint or painting materials (liquids) onto the device.
- Do not expose the device to water at high pressure.

Charge the battery

Your device is powered by a rechargeable battery. A USB Type-C 3A cable is included. Learn more: **samsung.com/us/support/answer/ANS10001612**

NOTE Wall charger sold separately. Use only Samsung-approved chargers and cables. To avoid injury or damage to your device, do not use incompatible, worn or damaged batteries, chargers, or cables. Using other charging devices and batteries may not be covered under warranty and may cause damage. Learn more: **samsung.com**

TIP While charging, the device and the charger may become hot and stop charging. This usually does not affect the device's lifespan or performance and is in the device's normal range of operation. Disconnect the charger from the device and wait for the device to cool down. Learn more: **samsung.com/us/support/answer/ANS00076952**

Start using your device

Turn on your device | Use the Setup Wizard | Transfer data for device setup | Lock or unlock your device | Side button settings | Accounts | Set up voicemail | Navigation | Navigation bar | Customize your home screen | Galaxy AI | Modes and Routines | Digital wellbeing and parental controls | Multi window | Enter text

Turn on your device

Use Side button to turn your device on. Do not use the device if the body is cracked or broken. Use the device only after it has been repaired.

- Press and hold **Side button** to turn the device on.
  - To turn the device off, press and hold **Side button** and **Volume down button** at the same time, and tap **Power off**. Confirm when prompted.
  - To restart your device, press and hold **Side button** and **Volume down button** at the same time, and tap **Restart**. Confirm when prompted.

TIP To learn more about powering off your device from Settings, tap **Advanced features** > **Side button** > **How to power off your phone**.

NOTE Best 5G performance requires optimal 5G connection and unobstructed antennas (rear of device); contact your service provider for network availability; 5G performance may be impacted by a case or cover.

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.

Transfer data for device setup

Use Smart Switch™ to transfer contacts, photos, music, videos, messages, notes, calendars, and more from your old device. Smart Switch can transfer your data using a USB cable, Wi-Fi, or computer. Learn more: **samsung.com/smartswitch**

1. From Settings, tap **Accounts and backup** > **Transfer data for device setup**.
2. Follow the prompts and select the content to transfer.

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. Learn more: Lock screen and security

Side button settings

You can customize the shortcuts assigned to Side button.

Double press

Choose which feature is launched when Side button is pressed twice.

1. From Settings, tap **Advanced features** > **Side button**.
2. Tap **Double press**, tap to enable this feature, and tap an option:
   - Camera (default)
   - Open app or function

Long press

Choose which feature is launched when you press and hold Side button.

1. From Settings, tap **Advanced features** > **Side button**.
2. Tap **Long press** for the following options:
   - Digital assistant (default)
   - Bixby
   - Power off menu

Accounts

Set up and manage your accounts.

TIP Accounts may support email, calendars, contacts, and other features. Contact your service provider for more information.

Add a Google Account

Sign in to your Google Account to access your Google Cloud Storage, apps installed from your account, and make full use of your device's Android™ features.

When you sign in to a Google Account and set a Lock screen, Google Device Protection is activated. This service requires your Google Account information when resetting to factory settings. Learn more: Google Play Protect

1. From Settings, tap **Accounts and backup** > **Manage accounts.**
2. Tap **Add account** > **Google.**

Add a Samsung account

Sign in to your Samsung account to access exclusive Samsung content and make full use of Samsung apps.

- From Settings, tap **Sign in to your Galaxy.**

Add an Outlook account

Sign in to your Outlook® account to manage email messages.

1. From Settings, tap **Accounts and backup** > **Manage accounts.**
2. Tap **Add account** > **Outlook.**

Set up voicemail

You can set up your voicemail service when you access it for the first time. You can access voicemail through the Phone app. Options may vary by service provider.

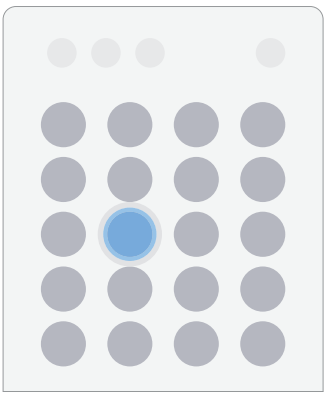
1. From **Phone**, touch and hold the **1 key** or tap **Voicemail.**
2. Follow the tutorial to create a password, record a greeting, and record your name.

Navigation

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 touch screen may damage the surface of the screen and the damage will not be covered by the warranty.

TIP You can adjust the touch sensitivity or use special controls to navigate your device using your voice or gestures. Learn more: Accessibility

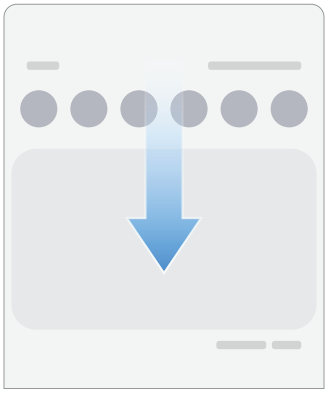
Tap



Lightly touch items to select or launch them.

- Tap an item to select it.
- Double-tap an image to zoom in or out.

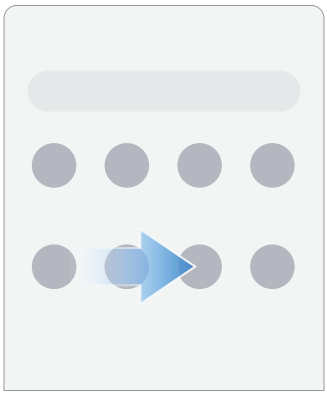
Swipe



Lightly drag across the screen.

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

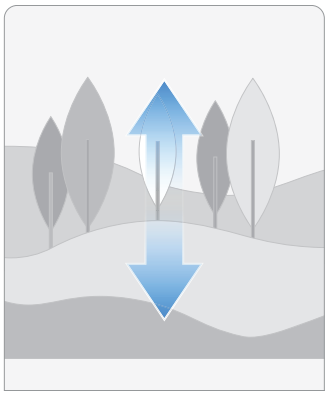
Drag and drop



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.

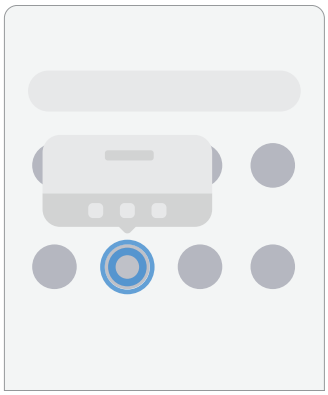
Zoom in and out



Bring two fingers together or apart on the screen to zoom in and out.

- Move two fingers apart on the screen to zoom in.
- Move two fingers together on the screen to zoom out.

Touch and hold



Touch and hold items to activate them.

- Touch and hold a field to display a pop-up menu of options.
- Touch and hold a Home screen to customize the Home screen.

Navigation bar

You may navigate your device by using either the navigation buttons or full screen gestures.

Navigation buttons

Use buttons along the bottom of the screen for quick navigation.

1. From Settings, tap **Display** > **Navigation bar** > **Buttons**.
2. Tap **More options** for the following options:
   - Tap **Button order** to choose which side of the screen the Back and Recent apps icons display.

Navigation gestures

Hide the navigation buttons at the bottom of the screen for an unobstructed screen experience. Instead swipe to navigate your device.

1. From Settings, tap **Display** > **Navigation bar** > **Swipe gestures** to enable the feature.
2. Tap **More options** for the following options:
   - **Gesture sensitivity**: Drag the slider to adjust the sensitivity level.

Circle to Search

Circle, highlight, scribble, or tap text or images anywhere on your screen to select and search for them on Google.

1. From Settings, tap **Display** > **Navigation bar**.
2. Tap **Circle to search** to enable the feature.

To use Circle to search:

1. Press and hold **Home** (or the Navigation handle in Gesture mode).
2. Circle, highlight, or tap anywhere on the screen to select the text, image, or video you want to search.

Customize your home screen

The Home screen is the starting point for navigating your device. You can place your favorite apps and widgets here, in addition to setting up additional Home screens, removing screens, changing the order of screens, and choosing a main Home screen.

App icons | Wallpaper | Themes | Icons | Widgets | Home screen settings | Status bar | Quick settings | Notification panel

App icons

Use app icons to launch an app from any Home screen.

- From Apps, touch and hold an app icon, and tap **Add to Home**.

To remove an icon:

- From a Home screen, touch and hold an app icon, and then tap **Remove**.

NOTE Removing an icon does not delete the app, it only removes the icon from a Home screen.

Wallpaper

Change the appearance of the Home and Lock screens by choosing a favorite picture, video, or preloaded wallpaper.

1. From a Home screen, touch and hold the screen, and then tap **Wallpaper and style**.
2. Tap one of the following menus for available wallpapers:
   - Tap the Lock screen and Home screen images to edit them.
   - **Change wallpapers:** Choose from a variety of wallpaper options or download more from Galaxy Themes.
   - **Color palette:** Choose a palette based on colors from your wallpaper.
   - **Dim wallpaper when Dark mode is on:** Enable to apply Dark mode to your wallpaper.

Themes

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

1. From a Home screen, touch and hold the screen, and then tap **Themes**.
2. Tap a theme to preview and download it.
3. Tap **Menu** > **My stuff** > **Themes** to access downloaded themes.
4. Tap a theme, and then tap **Apply** to apply the selected theme.

Icons

Apply different icon sets to replace the default icons.

1. From a Home screen, touch and hold the screen.
2. Tap **Themes** > **Icons**, and tap an icon set to preview and download it.
3. Tap **Menu** > **My stuff** > **Icons** to access downloaded icons.
4. Tap an icon, and then tap **Apply** to apply the selected icon set.

Widgets

Add widgets to your home screens for quick access to info or apps.

1. From a Home screen, touch and hold the screen.
2. Tap **Widgets**, and then tap a widget set to open it.
3. Swipe to the widget you want to choose, tap it, and then tap **Add**.

Customize Widgets

Once you have added a widget, you can customize where it's located and how it functions.

- From a Home screen, touch and hold a widget, and tap an option:
  - **Create stack**: Add other widgets of the same size to stack in the same place on the screen.
  - **Remove**: Delete a widget from your screen.
  - **Settings**: Customize the function or appearance of the widget.
  - **App info**: Review the widget usage, permissions, and more.

Home screen settings

Customize your Home and Apps screens.

1. From Settings, tap **Home screen**.
2. Tap an option to customize:
   - **App size**: Move the slider to adjust the size of apps on the Home and Apps screen.
   - **App labels**: Enable or disable app labels on Home screens.
   - **Widget labels**: Enable or disable labels for widgets.
   - **Home screen layout**: Set your device to have separate Home and Apps screens, or only a Home screen where all apps are located.
   - **Home screen grid**: Choose a layout to determine how icons are arranged on the Home screen.
   - **Apps screen grid**: Choose a layout to determine how icons are arranged on the Apps screen.
   - **Folder grid**: Choose a layout to determine how folders are arranged.
   - **Add media page to Home screen**: When enabled swipe right from the Home screen to open a media page. Tap to display available media services.
   - **Show Apps screen button on Home screen**: Add a button to the Home screen for direct access to the Apps screen.
   - **Lock Home screen layout**: Prevent items on the Home screen from being removed or repositioned.
   - **Add new apps to Home screen**: Automatically add newly-downloaded apps to the Home screen.
   - **Hide apps on Home and Apps screens**: Choose apps to hide from the Home and App screens. Return to this screen to restore hidden apps. Hidden apps are still installed and can appear as results in Finder searches.
   - **App icon badges**: Enable to show badges on apps with active notifications. You can also choose the badge style.
   - **Swipe down for notification panel**: Enable this feature to open the Notification panel by swiping down anywhere on the Home screen.
   - **Rotate to landscape mode**: Rotate the Home screen automatically when your device's orientation is changed from portrait to landscape.

- **About Home screen:** Display version information.
- **Contact us:** Contact Samsung support through Samsung Members.

Status bar

The Status bar provides device information on the right side and notification alerts on the left.

Status icons

Battery full

Charging

Mute

Vibrate

Airplane mode

Bluetooth active

Location active

Alarm

Notification icons

Missed calls

Call in progress

New message

Voicemail

New email

Download

Upload

App update

TIP From Settings, tap **Notifications** > **Status bar** to configure settings for Status bar notifications.

Quick settings

The Notification panel provides access to device functions using Quick settings.

- Swipe down from the top right corner of the screen to display Quick settings.
  - Tap a Quick setting icon to turn it on or off.
  - Touch and hold a Quick setting icon to open the setting.

Here are some of the most common Quick settings. Other settings may be available on your device.

Wi-Fi

Sound

Bluetooth

Auto rotate

Airplane mode

Location

Power saving

Dark mode

TIP Live translations of spoken conversations are available through the **Interpreter** Quick setting.

Quick settings options

The following options are available in Quick settings.

- **Edit:** Change the order and display options for the Quick settings.
- **Power off:** Power off, Restart, Emergency call, and Medical info options.
- **Settings:** Access the device's settings menu.

Notification panel

For access to notifications, settings, and more, open the Notification panel.

Open the Notification panel

You can access the Notification panel from any screen.

1. Swipe down from the top of the screen (avoid the top right corner) to display the Notification panel.
   - To open an item, tap it.
   - To clear a single notification, drag the notification left or right.
   - To clear all notifications, tap **Clear**.
   - To customize notifications, tap **Notification settings**.
2. Swipe upward from the bottom of the screen or tap **Back** to close the Notification panel.

Galaxy AI

Use Galaxy AI features with compatible Galaxy apps on your device to unleash your productivity, enhance your communication, and create epic images.

- From Settings, tap **Galaxy AI**, and sign in to your Samsung account. Tap an option to use advanced intelligence features:
  - **Call assist**: Get real-time translation during voice calls.
  - **Writing assist**: Change the writing style, get spelling and grammar suggestions, and translate messages in select chat and text messaging apps.
  - **Interpreter**: Live translation of spoken conversations available as voice or text output.
  - **Note assist**: Automatically format, summarize, correct, and generate covers for your notes.
  - **Transcript assist**: Transform recordings into text transcripts and summaries so you can review or translate them.
  - **Browsing assist**: Get simple summaries and translations of webpage text.
  - **Photo assist**: Edit images by repositioning, removing, or resizing people or objects and sketching things into the background.
  - **Drawing assist**: Transform simple drawings into works of art and add new elements to existing images.

- **Audio eraser:** Eliminate distracting noise in videos by adjusting the volume of voices, wind, and other sounds in Video editor.
- **Photo ambient wallpaper:** Allow advanced intelligence to change your wallpaper based on the time and weather.
- **Now brief:** Get personalized briefing with suggested content and actions that change throughout the day.
- **Health assist:** Get insights into your daily health metrics.
- **Process data only on device:** For added privacy, process advanced intelligence data on your device instead of online. Some features are not available when this option is enabled.
- **About advanced intelligence:** Learn how advanced intelligence works and uses your data.
- **Terms and conditions:** Review the terms and conditions for advanced intelligence.

Modes and Routines

Set up modes and routines to automatically change your device's settings to match your activity or situation.

- From Settings, tap **Modes and Routines** for the following pages:
  - **Modes:** Choose a mode based on what you are doing or where you are.
  - **Routines:** Create routines for your device based on times or places.
  - **Discover:** Use suggested template modes and routines.

Digital wellbeing and parental controls

You can monitor and manage your digital habits by getting a daily breakdown of how frequently you use apps, how many notifications you receive, and how often you check your device. You can also set your device to help you wind down before going to bed.

- From Settings, tap **Digital Wellbeing and parental controls** for the following features:
  - Tap the Dashboard to review screen time, notifications received, and unlocks.

- **Most used app categories:** Review which app categories are used the most. Tap a category for more details.
- **Screen time goal:** Set a screen time goal and check your daily average.
- **App timers:** Set a daily limit for how long you use each app.
- **Driving monitor:** Review your screen time while connected to your car's Bluetooth and which apps you use the most.
- **Walking monitor:** Review how much time you use your device while walking.
- **Volume monitor:** Choose a sound source to monitor the volume and keep your ears safe.
- **Content restrictions:** Review a list of restrictions.
- **Parental controls:** Supervise your children's digital life with Google's Family Link app. You can choose apps, set content filters, keep an eye on screen time, and set screen time limits.

Multi window

Multitask by using multiple apps 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, tap ||| **Recent apps**.
2. Tap the app icon, and then tap **Open in split screen view**.
3. Tap an app in the other window to add it to the split screen view.
   - Drag the middle of the window border to adjust the window size.

Window controls

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

- Tap the middle of the window border for the following options:
  - **Switch window**: Swap the two windows.
  - **Add app pair to**: Create and add an app pair shortcut to the Home screen or Apps edge panel.

Multi window gestures

Configure Multi window features to launch with swipe gestures.

- From Settings, tap **Advanced features** > **Multi window** for the following options:
  - **Swipe for split screen**: Swipe two fingers across either screen from the side or bottom to change to Split screen view. Swipe again to switch apps.
  - **Swipe for pop-up view**: Swipe from the top corner of the screen toward the middle to change the window to pop-up view.
  - **Full screen in split screen view**: Hide the Status and Navigation bars when in split screen view. Swipe from the respective edges of the screen to show the hidden bars.

Enter text

Text can be entered using a keyboard or your voice.

Toolbar

The toolbar provides quick access to features of the keyboard. Options may vary by service provider.

- From the Samsung keyboard, tap ••• **Expand toolbar** for the following options:
  - **Writing assist**: Change the tone of your writing and get spelling and grammar suggestions.
  - **Emojis**: Explore different types of emojis, GIFs, create custom combined emojis, and more.
  - **Translate**: Type words or sentences to translate them into another language.
  - **Clipboard**: Access the clipboard.
  - **Modes**: Select a keyboard layout.
  - **Settings**: Access keyboard settings.
  - **One-handed keyboard**: Switch to a layout for one-handed use.
  - **Extract text**: Identify and extract text from the selected content.
  - **Edit toolbar**: Add or remove options from the toolbar.

Configure the Samsung keyboard

Set customized options for the Samsung keyboard.

- From the Samsung keyboard, tap **Settings** for the following options:
  - **Languages and types**: Set the keyboard type and choose which languages are available on the keyboard.
    - To switch between languages, swipe the Space bar left or right.

  Smart typing

  - **Writing assist**: Translate messages in select chat and text messaging apps, change the tone of your writing, and get spelling and grammar suggestions.
  - **Drawing assist**: Turn simple drawings or text into detailed images.
  - **Predictive text**: Display suggested words and phrases as you type.

- **Auto replace**: Automatically replace what you type with predictive text recommendations.
- **Auto spell check**: Underline misspelled words in red and suggest corrections.
- **Suggest emojis**: Display suggested emojis as you type.
- **Suggest stickers**: Display suggested stickers as you type.
- **Text shortcuts**: Create shortcuts for frequently used phrases.
- **More typing options**: Customize additional typing options.

Style and layout

- **Keyboard toolbar**: Show or hide the keyboard toolbar.
- **High contrast keyboard**: Adjust the size of the Samsung keyboard and change its colors to increase the contrast between the keys and the background.
- **Theme**: Choose a theme for your keyboard.
- **Mode**: Choose between portrait and landscape mode.
- **Size and transparency**: Adjust the size and transparency of the keyboard.
- **Layout**: Display numbers and special characters on the keyboard.
- **Font size**: Drag the slider to adjust the font size.
- **Custom symbols**: Change the symbol shortcuts on the keyboard.

Other settings

- **Swipe, touch, and feedback**: Customize gestures and feedback.
- **Voice input**: Configure voice input services and settings.
- **Translation**: Translate text that you enter.
- **Save screenshots to clipboard**: Enable saving screenshots to the keyboard clipboard.
- **Select third-party content to use**: Enable third-party keyboard features.
- **Reset to default settings**: Return keyboard to original settings and clear personalized data.
- **About Samsung keyboard**: Display version information.
- **Contact us**: Contact Samsung support through Samsung Members.

Use Samsung voice input

Instead of typing, enter text by speaking.

- From the Navigation bar, tap **Voice input** and speak your text.

Camera and Gallery

You can capture high-quality pictures and videos using the Camera app. Images and videos are stored in the Gallery, where you can review and edit them.

Asset will be updated when available

Camera

Navigate the camera screen | Configure shooting mode | Record videos | Camera settings

Gallery

Open pictures | Edit pictures | Play video | Super HDR | Edit video | Share pictures and videos | Delete pictures and videos | Take a screenshot | Screen recorder

Camera

Enjoy a full kit of pro lenses and pro-grade video modes and settings.

- From Apps, tap **Camera**.

TIP Double press **Side button** to open the Camera app.

Navigate the camera screen

Take stunning pictures with your device's front and rear cameras.

1. From **Camera**, set up your shot with the following features:
   - Tap the screen where you want the camera to focus.
     - When you tap the screen, a brightness scale appears. Drag the slider to adjust the brightness.
   - To switch between the front and rear cameras, swipe the screen up or down.
   - To zoom at a precise level, tap a zoom magnification number. (Only available when using the rear camera.)
   - To change to a different shooting mode, swipe the screen right or left.
   - For Camera settings and other shortcuts, tap **Quick controls**.
2. Tap **Capture**.

Configure shooting mode

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

- From **Camera**, swipe the screen right and left to change shooting modes.
  - **Portrait**: Adjust the background of your shots for portrait photos.
  - **Photo**: Allow the camera to determine the ideal settings for pictures.
  - **Video**: Allow the camera to determine the ideal settings for videos.
  - **More**: Choose other available shooting modes. Tap **Edit** to drag modes into or out of the shooting modes tray at the bottom of the Camera screen.
    - **Bixby Vision**: When available, icons are displayed in the Camera viewfinder for translation, QR code detection, landmark recognition, or shopping.
    - **Pro**: Manually adjust the ISO sensitivity, exposure value, white balance, and color tone while taking pictures.
    - **Pro video**: Manually adjust the ISO sensitivity, exposure value, white balance, and color tone while recording videos.
    - **Night**: Use this to take photos in low-light conditions, without using the flash.

- **Food:** Take pictures that emphasize the vivid colors of food.
- **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.
- **Hyperlapse:** Create a time lapse video by recording at various frame rates. The frame rate is adjusted depending on the scene being recorded and the movement of the device.
- **Portrait video:** Adjust the background of your shots for portrait videos.
- **Dual rec:** Access advanced features such as lock onto a subject, change between different rear camera lenses, and more.
- **Single take:** Capture multiple pictures and video clips from different angles.

Record videos

Record smooth lifelike videos using your device.

1. From **Camera**, swipe right or left to change the shooting mode to **Video**.
2. 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**.
3. Tap **Stop** when you are finished recording.

Camera settings

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

- From **Camera**, tap **Quick controls** > **Settings** for the following options:

  Intelligent features

  - **Scan documents and text:** Show a button to scan documents and text detected with the rear camera.
  - **Scan QR codes:** Automatically detect QR codes when using the camera.
  - **Shot suggestions:** Get on-screen guides to help you line up great shots.

- **Intelligent optimization**: Choose a quality optimization setting and turn on scene optimizer.

Pictures

- **Swipe Shutter button to**: Choose to either take a burst shot or create a GIF when you swipe the shutter to the nearest edge.
- **Watermark**: Add a watermark to the bottom left corner of your pictures and select options for the watermark, such as model name, date, time, font, and alignment.
- **Advanced picture options**: Choose file formats and other saving options.
  - **High efficiency pictures**: Save pictures as high efficiency images to save space. Some sharing sites may not support this format.
  - **RAW copies**: Save JPEG and RAW copies of pictures taken in Pro mode.
  - **Motion photo capture**: Choose to capture motion before or after the shutter.

Selfies

- **Save selfies as previewed**: Save selfies as they appear in the preview without flipping them.

Videos

- **Auto FPS**: Record brighter videos in low-light conditions by automatically optimizing the frame rate in Video mode.
- **Video stabilization**: Activate anti-shake to keep the focus steady when the camera is moving.
- **Advanced video options**: Enhance your videos with advanced recording formats.
  - **Video format**: Choose a format for recorded videos.
  - **High bitrate videos**: Record videos in higher bit rate with the Pro video shooting mode.
  - **HDR10+ videos**: Optimize videos by recording in HDR10+. Playback devices must support HDR10+ video.
  - **360 audio recording**: Capture immersive 3D sound through your Bluetooth

headphones with 360 audio recording.

- **Audio playback**: Allow music and other audio to play while you record.

General

- **Tracking auto-focus**: Keep a moving subject in focus.
- **Composition guide**: Display viewfinder grid lines and a level to help compose a picture or video.
- **Location tags**: Attach a GPS location tag to your pictures and videos.
- **Shooting methods**:
  - **Press Volume buttons to**: Use Volume buttons to take pictures, record video, zoom, or control system volume.
  - **Voice commands**: Take pictures and videos by speaking key words.
  - **Floating shutter button**: Add an extra shutter button that you can move anywhere on the screen.
  - **Show palm**: Hold your hand out with your palm facing the camera to have your picture taken in a few seconds.
- **Settings to keep**: Choose whether to launch Camera with the same shooting mode, selfie angle, and filters as the last time.
- **Shutter sound**: Play a tone when taking a picture.
- **Vibration feedback**: Enable vibrations when tapping the screen in the Camera app.

Privacy

- **Permissions**: Review required and optional permissions for the Camera app.

Other

- **Reset settings**: Reset the Camera settings.
- **About Camera**: Display app and software information.
- **Contact us**: Contact Samsung support through Samsung Members.

Gallery

You can edit and manage pictures and videos. Go to the Gallery to access the visual media stored on your device.

- From Apps, tap **Gallery**.

Asset will be updated when available

Open pictures

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

1. From **Gallery**, tap **Pictures**.
2. Tap a picture to open it. Swipe left or right to display other pictures or videos.
   - To display photos and videos on a nearby TV, tap **Smart View**.
   - To use Bixby Vision on the current picture, tap **Bixby Vision**.
   - To mark the picture as a favorite, tap **Add to Favorites**.
   - To review AI suggestions for the image, tap **Photo assist**.
   - To access the following features, tap **More options**:
     - **Details**: Review and edit information about the picture.
     - **Copy to clipboard**: Copy the image to paste in another app.
     - **Set as wallpaper**: Set the picture as wallpaper.
     - **Move to Secure Folder**: Move the picture to a Secure Folder.
     - **Print**: Send the picture to a connected printer.

Edit pictures

Enhance your pictures using the Gallery's editing tools.

1. From **Gallery**, tap **Pictures**.
2. Tap a picture to open it, and then tap **Edit** for the following options:
   - **Photo assist**: Edit images by repositioning people or objects and then generate a new background.
   - **Transform**: Rotate, flip, crop, or make other changes to the overall appearance of the picture.
   - **Filters**: Add color effects.
   - **Tone**: Adjust the brightness, exposure, contrast, and more.
   - **Decorations**: Add text, stickers, or drawn content.
   - **Tools**: Use other editing tools to change objects in the picture.
   - **More options**: Access additional editing features.
   - **Revert**: Undo the changes applied to restore the original picture.

3. Tap **Save** when finished.

Play video

Play the videos stored on your device. You can save videos as favorites and review video details.

1. From **Gallery**, tap **Pictures**.
2. Tap a video to open it. Swipe left or right to open other pictures or videos.
   - To mark the video as a favorite, tap **Add to Favorites**. The video is added to Favorites under the Albums tab.
   - To review AI suggestions for the video, tap **Audio eraser**.
   - To display photos and videos on a nearby TV, tap **Smart View**.
   - To access the following features, tap **More options**:
     - **Details**: Review and edit information about the video.
     - **Open in Video player**: Play this video in the default video player.
     - **Create GIF**: Select portions of your recorded videos and create GIFs.
     - **Set as wallpaper**: Set the video as wallpaper on the Lock screen.
     - **Move to Secure Folder**: Add this video to your Secure Folder.
3. Tap to play the video.

Super HDR

Automatically adjust the display to show the full range of colors and contrast in pictures taken with Galaxy devices.

- From Settings, tap **Advanced features** > **Super HDR** to enable the feature.

Edit video

Edit videos stored on your device.

1. From **Gallery**, tap **Pictures**.
2. Tap a video to open it.

3. Tap **Edit** to use the following tools:
   - **Play**: Preview the edited video.
   - **Adjust speed**: Adjust the play speed.
   - **Trim**: Drag the ends to cut segments of the video.
   - **Transform**: Rotate, flip, crop, or make other changes to the overall appearance of the video.
   - **Filters**: Add visual effects to the video.
   - **Tone**: Adjust the brightness, exposure, contrast, and more
   - **Decorations**: Add text, stickers, or hand drawn content.
   - **Audio**: Adjust the volume levels and add background music to the video.
   - **More options**: Access additional editing features.
   - **Revert**: Undo the changes applied to restore the original video.
4. Tap **Save**, and then confirm when prompted.

Share pictures and videos

Share pictures and videos from the Gallery app.

1. From **Gallery**, tap **Pictures**.
2. Tap **More options** > **Select** and select the pictures or videos you want to share.
3. Tap **Share**, and then choose an app or connection to use for sharing your selection. Follow the prompts.

Delete pictures and videos

Delete pictures and videos stored on your device.

1. From **Gallery**, tap **More options** > **Select**.
2. Tap pictures and videos to select them.
3. Tap **Delete**, and confirm when prompted.

Take a screenshot

Capture an image of your screen. Your device will automatically create a Screenshots album in the Gallery app.

- From any screen, press and release **Side button** and **Volume down button**.

Palm swipe to capture a screenshot

Capture an image of the screen by swiping the edge of your hand across it, from side to side, keeping in contact with the screen.

1. From Settings, tap **Advanced features** > **Motions and gestures** > **Palm swipe to capture**.
2. Tap to enable this feature.

Screenshot settings

Modify screenshot settings.

- From Settings, tap **Advanced features** > **Screenshots and screen recordings**.
  - **Show toolbar after capturing**: Show additional options after you take a screenshot.
  - **Delete after sharing**: Automatically delete screenshots after they are shared through the screenshot toolbar.
  - **Hide status and navigation bars**: Do not display the Status bar or Navigation bar on screenshots.
  - **Save original screenshots**: This allows you to revert to the original screenshot after editing in the Gallery.
  - **Format**: Choose if you would like your screenshots to be saved as JPG or PNG files.
  - **Save screenshots in**: Choose a storage location for your screenshots.

Screen recorder

Record activities on your device, write notes, and use the camera to record a video overlay of yourself to share with friends or family.

1. From Quick Settings, tap **Screen recorder**.
2. Choose a sound setting, and tap **Start recording**.
3. A three-second countdown runs before it starts recording. You can tap **Skip countdown** to begin recording immediately.
   - Tap **Draw** to draw on the screen.
   - Tap **Selfie video** to include a recording from your front camera.
   - Tap **Pause** to temporarily stop recording.
4. Tap **Stop** to finish recording. These are automatically saved to the Screen recordings album in the Gallery.

Screen recorder settings

Control the sound and quality settings for the screen recorder.

- From Settings, tap **Advanced features** > **Screenshots and screen recordings**.
  - **Record sound**: Choose what sounds to record while using the screen recorder.
  - **Video quality**: Select a resolution. Selecting a higher resolution for higher quality requires more storage.
  - **Selfie video size**: Drag the slider to set the size of the video overlay.
  - **Show taps and touches**: Enable to indicate screen taps and touches in a recording.
  - **Save screen recordings in**: Choose a storage location for your screen recordings.
  - **About Samsung capture**: Display version information.

Apps

Using apps

Samsung apps

Google apps

Microsoft apps

Using apps

Uninstall or disable apps | Search for apps | Sort apps | Create and use folders | App settings

The Apps list displays all preloaded and downloaded apps. Apps can be downloaded from Galaxy Store and the Google Play™ store.

- From a Home screen, swipe the screen upward to access the Apps list.

Uninstall or disable apps

Installed apps can be removed from your device. Some apps that are preloaded (available on your device by default) can only be disabled. Disabled apps are turned off and hidden from the Apps list.

- From Apps, touch and hold an app, and tap **Uninstall/Disable**.

Search for apps

If you are not sure where to find an app or a setting, you can use the Search feature.

1. From Apps, tap **Search**, and enter a word or words. As you type, matching apps and settings appear as results on the screen.
2. Tap a result to go to that app.

TIP You can customize the search settings by tapping ⋮ **More options** > **Settings**.

Sort apps

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

- From Apps, tap ⋮ **More options** > **Sort** for the following sorting options:
  - **Custom order**: Arrange apps manually.
  - **Alphabetical order**: Sort apps alphabetically.

TIP When apps are arranged manually (Custom order), empty icon spaces can be removed by tapping ⋮ **More options** > **Clean up pages**.

Create and use folders

You can make folders to organize App shortcuts on the Apps list.

1. From Apps, touch and hold an app shortcut, and then drag it on top of another app shortcut until it is highlighted.
2. Release the app shortcut to create the folder.
   - **Folder name**: Name the folder.
   - **Folder color**: Change the folder color.
   - **Add apps to folder**: Place more apps in the folder. Tap apps to select them, and then tap **Done**.
3. Tap **Back** to close the folder.

Copy a folder to a Home screen

You can copy a folder to a Home screen.

- From Apps, touch and hold a folder, and tap **Add to Home**.

Delete a folder

When you delete a folder, the app shortcuts return to the Apps list.

1. From Apps, touch and hold a folder to delete.
2. Tap **Delete**, and confirm when prompted.

App settings

Manage your downloaded and preloaded apps.

- From Settings, tap **Apps**. Tap an option to customize:
  - **Choose default apps**: Choose which apps to use for making calls, sending messages, going to websites, and more.
  - **Samsung app settings**: Tap a Samsung app in the list and customize its settings.
  - **Your apps**: Tap an app to review information about its privacy and usage settings. Options vary by app.

TIP To reset app options that have been changed, tap ⋮ **More options** > **Reset app preferences**.

Samsung apps

The following apps may be preloaded or downloaded over-the-air to your device during setup. Apps can be downloaded from Galaxy Store and the Google Play™ store. Options may vary by service provider.

Bixby | Find | Gaming Hub | Global Goals | Members | News | SmartThings | Store | Tips | TV | Wallet | Wearable | Calculator | Calendar | Clock | Contacts | Health | Internet | My Files | Phone | Notes

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.

Learn more: **samsung.com/us/support/owners/app/Bixby**

TIP You can customize Bixby from the Advanced features menu. From Settings, tap **Advanced features** > **Bixby**.

Find

Use your Samsung account to find lost Galaxy devices and to share your location with people you trust.

Gaming Hub

Automatically arrange all your games in one place.

Learn more: **samsung.com/us/support/owners/app/game-launcher**

Global Goals

Learn more about the Global Goals initiative and contribute towards donations that support these causes with ads from this app.

Members

Get more and do more from your Galaxy device. Enjoy DIY support tools and exclusive experiences and content – for Samsung members only. Samsung Members may be preloaded on your device, or you can download and install it from Galaxy Store or the Google Play store.

News

Access live TV shows, news and articles from numerous sources, and interactive games entirely free of charge.

SmartThings

SmartThings allows you to control, automate, and monitor your home environment through a mobile device to fit your specific needs. You can use the app to connect multiple devices at once or one device at a time. Check the status of your devices by looking at the dashboard.

NOTE Non-Samsung connected device errors or defects are not covered by the Samsung warranty; contact the non-Samsung device manufacturer for support.

Store

Find and download premium apps that are exclusive to Galaxy devices. A Samsung account is required to download from Galaxy Store.

Tips

Learn tips and techniques and access the user guide for your device.

TV

Enjoy free news, entertainment, and more on your Samsung TV and mobile devices.

Wallet

Samsung Wallet lets you make payments with your device. It is accepted almost anywhere you can swipe or tap your credit card. A Samsung account is required.

Wearable

Connect your device to your Samsung Watch using this application.

Learn more: **samsung.com/us/support/owners/app/galaxy-wearable-watch**

Calculator

The Calculator app features both basic and scientific math functions, as well as a unit converter.

Asset will be updated when available

Calendar

The Calendar app can be connected to your various online accounts to consolidate all your calendars in one place.

Asset will be updated when available

Add calendars

Add your accounts to the Calendar app.

1. From **Calendar**, tap **Expand navigation drawer**.
2. Tap **Manage calendars** > **More options** > **Add account** and select an account type.
3. Enter your account information and follow the prompts.

TIP Accounts may also support email, contacts, and other features.

Calendar alerts

Alerts from the Calendar app can be customized.

1. From **Calendar**, tap **Expand navigation drawer** > **Calendar settings** > **Alert type**. The following options are available:
   - **Light**: Receive a notification and hear a short sound.
   - **Medium**: Get a full screen alert and hear a short sound.
   - **Strong**: Get a full-screen alert and ring sound that persist until dismissed.
2. Depending on the alert selected, the following sound options are available:
   - **Short sound**: Choose the alert sound for Light or Medium alerts.
   - **Long sound**: Choose the alert sound for the Strong alert.

Create an event

Use your Calendar to create events.

1. From **Calendar**, tap **Add detailed event** to add an event.
2. Enter details for the event, and then tap **Save**.

Delete an event

Delete events from your Calendar.

1. From **Calendar**, tap an event, and tap again to edit it.
2. Tap **Delete**, and confirm when prompted.

Clock

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

Alarm

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

1. From **Clock**, tap **Add alarm**.
2. Tap the following items to configure an alarm:
   - **Time**: Set a time for the alarm.
   - **Day**: Choose the days for this alarm.
   - **Alarm name**: Enter a name for the alarm.
   - **Alarm sound**: 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.
   - **Snooze**: Allow snoozing. Set interval and repeat values for the alarm while snoozing.
   - **Alarm background**: Choose a background image for the alarm.
3. Tap **Save** to save the alarm.

TIP To add your sleep schedule, create a bedtime reminder, and automatically put your device in Sleep mode, tap **More options** > **Set Sleep mode schedule**.

Delete an alarm

You can delete an alarm that you created.

1. From **Clock**, touch and hold an alarm.
2. Tap **Delete**.

Alarm groups

Group related alarms so you can turn them on or off at once.

1. From **Clock**, tap **More options** > **Alarm groups**.
2. Tap **Add group** to create an alarm group.

Alert settings

You can set the device to vibrate for alarms and timers whether the Sound mode is set to Mute or Vibrate.

1. From **Clock**, tap **More options** > **Settings**.
2. Tap **Silence alarms when system sound is off** to enable the feature.

Alarm settings

You can receive notifications for upcoming alarms.

- **Volume**: Set different volume levels for each alarm.
- **Alarm background**: Choose a background for alarm notifications.
- **Upcoming alarm notification**: Choose the number of minutes before an upcoming alarm.

World clock

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

1. From **Clock**, tap **World clock**.
2. Tap **Add city**.
3. Drag the globe to spin it, tap the city you want, and then tap **Add**.
   - To remove a city, touch and hold it, and tap **Delete**.

Time zone converter

Get the local time in other cities around the globe.

1. From **Clock**, tap **World clock**.
2. Tap **More options** > **Time zone converter**.
3. Tap **Menu** to choose a different city.
   - To add a city to the list, tap **Add city**.
4. Swipe the hours, minutes, and period (**AM** or **PM**) on the clock to set a time. Local times for the other cities listed are automatically updated.
   - To return the clock to the current time, tap **Reset**.

Weather settings

Show weather information on your World clock.

1. From **Clock**, tap **World clock**.
2. and tap an option:
   - **Show weather**: Enable or disable weather information.
   - **Temperature**: Choose either Fahrenheit or Celsius.

Stopwatch

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

1. From **Clock**, tap **Stopwatch**.
2. Tap **Start** to begin timing.
   - To keep track of lap times, tap **Lap**.
3. Tap **Stop** to end timing.
   - To continue timing after stopping the clock, tap **Resume**.
   - To reset the Stopwatch to zero, tap **Reset**.

Timer

Set a countdown timer for up to 99 hours, 59 minutes, and 59 seconds.

1. From **Clock**, tap **Timer**.
2. Use the keypad and tap **Hours**, **Minutes**, and **Seconds** to set the Timer.
3. Tap **Start** to begin the Timer.
   - To temporarily stop the Timer, tap **Pause**. To continue, tap **Resume**.
   - To stop and reset the Timer, tap **Delete**.

Preset timer

Name and save preset timers.

1. From **Clock**, tap **Timer** > **More options** > **Add preset timer**.
2. Configure the countdown time and timer name.
3. Tap **Add** to save the timer.
   - To edit a saved preset timer, tap **More options** > **Edit preset timers**.

Timer options

You can customize the Timer options.

1. From **Clock**, tap **Timer**.
2.
   - **Sound**: Choose a preloaded timer sound or add your own.
   - **Vibration**: Enable vibration for the timer.
   - **Show mini timer**: Show a pop-up window of the timer when the Clock app is minimized.

Other settings

Review and configure settings for all Clock tools.

- From **Clock**, tap **Settings**.
  - **Permissions**: Review required and optional permissions for the Clock app.
  - **Customization Service**: Sign in to your Samsung account to customize personal content in supported apps.
  - **About Clock**: Display the software version and check for updates.
  - **Contact us**: Contact Samsung support through Samsung Members.

Contacts

Store and manage your contacts. You can synchronize with personal accounts added to your device. Accounts may also support email, calendars, and other features.

Asset will be updated when available

Create a contact

1. From **Contacts**, tap **Create contact**.
2. Enter details for the contact, and then tap **Save**.

Edit a contact

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

1. From **Contacts**, tap a contact.
2. Tap **Edit**.
3. Tap any of the fields to add, change, or delete information.
4. Tap **Save**.

Favorites

When you mark contacts as favorites, they are grouped at the top of your contact list and accessible from other apps.

1. From **Contacts**, tap a contact.
2. Tap **Favorites** to mark the contact as a favorite.
   - To remove the contact from Favorites, tap **Favorites**.

Share a contact

Share a contact with others by using various sharing methods and services.

1. From **Contacts**, tap a contact.
2. Tap **Share**.
3. Tap either **vCard file (VCF)** or **Text**.
4. Choose a sharing method and follow the prompts.

TIP When a contact is selected, tap **More** > **QR code** to share the information with friends or family. The QR code automatically updates when you change the contact information fields.

Groups

You can use groups to organize your contacts. Options may vary by service provider.

Create a group

Create your own contact groups.

1. From **Contacts**, tap **Groups**.
2. 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**.
3. Tap **Save**.

Group options

Send an email to members of a group.

1. From **Contacts**, tap **Groups**, and then tap a group.
2. Tap **More options** for the following:
   - **Select**: Choose contacts from the group to move, share or delete.
   - **Edit group**: Rename the group, change the group ringtone and add or remove members.
   - **Delete group**: Choose to delete the group and contacts or just the group.
   - **Send message**: Send a text message to all members of a group.
   - **Send email**: Send an email to all members of a group.

Contacts settings

You can import or export contacts, as well as link multiple contacts into one contact entry. Options may vary by service provider.

- From **Contacts**, tap **More options** > **Settings** for the following options:
  - **Profile card and picture**: Change your card and picture that is shared with others who review your contact info.
  - **Manage contacts**: Merge, move, import, and export contacts.
  - **Contacts list**: Format and sort your contacts list.
  - **More settings**: Configure additional options.
  - **Privacy**: Check your permissions.
  - **About Contacts**: Display version information.
  - **Contact us**: Contact Samsung support through Samsung Members.

Health

Use Samsung Health™ to plan, track various aspects of daily life contributing to well-being such as physical activity, diet, and sleep.
Learn more: **samsung.com/us/support/owners/app/samsung-health**

NOTE 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, may be affected by factors such as environmental conditions, specific activity performed while using/wearing the device, settings of the device, user configuration/user-provided information, and other end-user interactions.

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; and 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.

Internet

Experience more secure web browsing features with the Samsung Internet app.
Learn more: **samsung.com/us/support/owners/app/samsung-internet**

Asset will be updated when available

Browser tabs

Use tabs to display multiple webpages at the same time.

- From **Internet**, tap **Tabs** > **New tab**.
  - To close a tab, tap **Tabs** > **Close tab**.

Browsing assist

Make content on webpages easy to understand.

- From **Internet**, tap **Browsing assist** for the following features:
  - **Summarize**: Use Advanced intelligence to create simple summaries of webpage text.
  - **Translate**: Convert webpages into your preferred language.
  - **Read highlights aloud**: Have readable contents of the webpage read aloud.

Create a Bookmark

Bookmark your favorite webpages to access them.

- From **Internet**, tap **Add to bookmarks** to save the open webpage.
  - For a list of your saved bookmarks, tap **Bookmarks**.

Internet tools

There are several tools available in the Samsung Internet app.

- From **Internet**, tap **Tools** for additional options.

Secret mode

Pages visited 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 **Internet**, tap **Tabs** > **Turn on Secret mode**.
2. Tap **Start** to begin browsing in Secret mode.
   - To turn off Secret mode, tap **Tabs** > **Turn off Secret mode**.

Secret mode settings

Require a password or biometric lock to use Secret mode.

1. From **Internet**, tap **Tabs**.
2. Tap **More options** > **Secret mode settings** for the following options:
   - **Use password**: Create a password to enable Secret mode and use biometrics.
   - **Allow screenshots in Secret mode**: Enable to allow screenshots of the Internet app to be taken while Secret mode is turned on.
   - **Smart anti-tracking**: Choose how much protection you want from web trackers in Secret mode.
   - **Reset Secret mode**: Erase your Secret mode data and restore defaults.

My Files

Manage files stored on your device, including images, videos, music, and sound clips. You can also access and manage files saved to your cloud accounts.

File groups

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

- **Categories**: Arrange your files based on the file type.
- **Recent files**: Display recently accessed files.
  - This option is displayed if one or more files have been accessed recently.
- **Storage**: Access files saved on your device and cloud accounts.
  - Cloud accounts vary depending on the services you sign in to.
- **Utilities**: Choose to restore or permanently remove files that you delete.

My Files settings

Use My Files settings to customize your file management options and more. Options may vary by service provider.

- From **My Files**, tap **More options** > **Settings** for the following options:
  - **Cloud accounts**: Connect to and manage your cloud services.
  - **File management**: Customize how files are displayed, deleted, and access mobile data.
  - **Privacy**: Display the permissions for My Files.
  - **About My Files**: Display version information.
  - **Contact us**: Contact Samsung support through Samsung Members.

Phone

Explore the advanced calling features in the Phone app. The actual appearance of the Phone app screen and available options varies by service provider.

Calls

The Phone app allows you to make and answer calls from the Home screen, Recents tab, Contacts, and more.

Make a call

Use your phone to make and answer calls from a Home screen.

- From **Phone**, enter a number on the keypad and tap **Call**.
  - Tap **Keypad** if the keypad is not displayed.

Make a call from Recents

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

1. From **Phone**, tap **Recents** to display a list of recent calls.
2. Tap a contact, and then tap **Call**.

Make a call from Contacts

Call a contact from the Contacts app.

- From **Contacts**, swipe a contact to the right to call that contact.

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.

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.

Decline with a 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.

End a call

- Tap **End call** 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.

- From the Call screen, tap an option:
  - **Record**: Record calls and save them in the Voice Recorder app. The other party hears a message that the call is being recorded.
  - **Call assist**: Use the Call assist features to get real-time transcriptions or translations while on a call.
  - **Add call**: Make another call while a call is in progress. Options may vary by service provider.
  - **Video call**: Use your camera during a call. Not all devices support video calling. The receiver has the option to accept the video call or answer the call as a regular voice call.
  - **Bluetooth**: Listen to the call using a Bluetooth device.
  - **Speaker**: Listen to the call using the speaker.
  - **Mute**: to turn off the microphone.
  - **Keypad**: Display the keypad while on a call.

Multitask

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

To return to the call screen:

- Drag the Status bar down to display the Notification panel and tap the call.

To end a call while multitasking:

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

Call background

Select a picture or video to show when you make or receive a call.

- From **Phone**, tap **More options** > **Settings** > **Call background** for the following options:
  - Tap the image to preview the background.
  - Tap **Background** to choose a photo or video to display during a call.

Call pop-up settings

When calls are received while using other apps, they can be displayed as pop-ups.

- From **Phone**, tap **More options** > **Settings** > **Call display while using apps**. The following options are available:
  - **Full screen**: Display an incoming call in the full screen Phone app.
  - **Small pop-up**: Display an incoming call as a pop-up at the top of the screen.
  - **Mini pop-up**: Display an incoming call as a smaller pop-up.
  - **Keep calls in pop-up**: Enable this option to keep calls in the pop-up after they are answered.

Manage calls

Your calls are recorded in a call log. You can set up speed dials, block numbers, and use voicemail.

Call log

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

- From **Phone**, 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 **Phone**, tap **Recents**.
2. Tap the call that contains the information that you want to save to your Contacts list, and tap **Add to contacts**.
3. Tap **Create new contact** or **Update existing contact**.

Delete call records

To delete Call log entries:

1. From **Phone**, tap **Recents**.
2. Touch and hold the call you want to delete from the Call log.
3. 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 **Phone**, tap **Recents**.
2. Tap the caller you want to add to the Block list, and then tap **Call history**.
3. Tap **Block** and confirm when prompted.

TIP You can also modify your Block list in Settings. From **Phone**, tap **More options** > **Settings** > **Block numbers**.

Speed dial

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

1. From **Phone**, tap **Keypad** > **More options** > **Speed dial numbers**. The Speed dial numbers screen displays the reserved speed dial numbers.
2. 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.
3. 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.

- From **Phone**, 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 **Phone**, tap **More options** > **Speed dial numbers**.
2. Tap **Delete** by the contact you want to remove from Speed dial.

Emergency calls

You can dial the emergency telephone number in your region regardless of the phone's service status. If your phone is not activated, you can only make an emergency call.

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

TIP 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 locked.

Phone settings

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

- From **Phone**, tap **More options** > **Settings**.

Optional calling services

Your wireless service provider and service plan may support the following calling services.

Video calls

To make Video calls:

- Tap **Phone**, enter a number, and then tap **Meet** or **Video call** or **Video call**.

NOTE Not all devices support video calling. The receiver has the option to accept the video call or answer the call as a regular voice call.

Video effects

Blur or customize your background during a video call in available apps.

1. From Settings, tap **Advanced features** > **Video effects**.
2. Choose an available option:
   - **Background color**: Automatically adjust your virtual background to a solid color based on your surroundings.
   - **Background image**: Select an image from your photos to use as your video call background.

Real Time Text (RTT)

Type back and forth in real time with the other person while on a call. Options may vary by service provider.

You can use RTT whenever you are calling someone whose phone also supports RTT or is connected to a teletypewriter (TTY) device. The RTT icon appears on all incoming RTT calls.

1. From **Phone**, tap **More options** > **Settings**.
2. Tap **Real time text** for the following options:
   - **RTT call button**: Choose a visibility option for the RTT call button.
     - **Visible during calls**: Show the RTT call button only during calls.
     - **Always visible**: Show the RTT call button on the keypad and during calls.
   - **Use external TTY keyboard**: Hide the RTT keyboard when an external TTY keyboard is connected.
   - **TTY mode**: Choose the preferred TTY mode for the keyboard in use.

Notes

Use Samsung Notes to create notes containing text, images with footnotes, voice recordings, and music. You can share your notes using social networking services.
Learn more: **samsung.com/us/support/owners/app/samsung-notes**

Asset will be updated when available

Create notes

Add text, images, voice recordings and more.

1. From **Samsung Notes**, tap **Add**.
2. Use the text options to create content.

Note assist

Use Advanced intelligence to assist you in writing notes.

- From a note, tap **Note assist** for the following options:
  - **Auto format**: Automatically change the format of your content based on predefined rules or styles.
  - **Summarize**: Use Advanced intelligence to create simple summaries of web page text.
  - **Spelling and grammar**: Get suggested grammar and spelling corrections.
  - **Translate**: Use Advanced intelligence to convert text to your preferred language.

Notes options

You can edit, sort, or manage notes.

- From **Samsung Notes**, the following options are available:
  - **Import PDF**: Open a PDF in Samsung Notes.
  - **Search**: Search for a keyword.
  - **More options**:
    - **Edit**: Select notes to share, delete, save as file, lock, or move.
    - **View**: Switch between Grid, List, or Simple list.
    - **Pin favorites to top**: Keep notes marked as your favorites at the top of the main page.

Notes menu

You can sort your notes by category.

- From **Samsung Notes**, tap **Navigation drawer** for the following options:
  - **Samsung Notes settings**: Customize settings for the Samsung Notes app.
  - **All notes**: Open a list of all notes.
  - **Shared notes**: Display notes shared with your contacts through your Samsung account.
  - **Trash**: Review deleted notes for up to 15 days.
  - **Folders**: Arrange your notes by group.
  - **Manage folders**: Add, remove, and organize folders.

Google apps

The following Google apps may be preloaded on your device. Apps can be downloaded from the Google Play™ store.

Chrome | Drive | Gemini | Gmail | Google | Google TV | Maps | Meet | Messages | Photos | Play Store | Wallet | YouTube | YT Music

Chrome

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

Learn more: **support.google.com/chrome**

Drive

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

Learn more: **support.google.com/drive**

Gemini

Get direct access to Google's family of AI models on your device so you can get help with writing, brainstorming, and learning. Use Gemini to summarize and find quick info from Gmail or Google Drive, generate images and more.

Learn more: **support.google.com/gemini**

Gmail

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

Learn more: **support.google.com/mail**

Google

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

Learn more: **support.google.com/websearch**

Google TV

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

Learn more: **support.google.com/googletv**

Maps

Get directions and other location-based information. You must enable location services to use Google Maps.

Learn more: **support.google.com/maps**

Meet

Make cross-platform video calls on phones and tablets, smart devices, and on the web.

Learn more: **support.google.com/meet**

Messages

Send and receive messages over Wi-Fi or data with Google's official app for texting and chat.

Learn more: **support.google.com/messages**

Photos

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

Learn more: **support.google.com/photos**

Play Store

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

Learn more: **support.google.com/play**

Wallet

Pay with your Android phone at participating stores and within mobile apps with Google Wallet.

Learn more: **support.google.com/wallet**

YouTube

Watch and upload YouTube™ videos right from your device.

Learn more: **support.google.com/youtube**

YT Music

Stream and browse playlists, albums, and artists from YouTube Music.

Learn more: **support.google.com/youtubemusic**

Microsoft apps

The following Microsoft apps may be preloaded on your device. Apps can be downloaded from Galaxy Store and the Google Play store.

Outlook | M365 Copilot | OneDrive

Outlook

Access email, calendar, contacts, tasks, and more in Outlook.
Learn more: **support.office.com/en-us/article/outlook-for-ios-and-android-help-cd84214e-a5ac-4e95-9ea3-e07f78d0cde6**

M365 Copilot

Experience AI support through the integration of Microsoft Copilot with your everyday apps and tasks.

OneDrive

Store and share photos, videos, documents, and more in your free online OneDrive® account—accessible from your personal computer, tablet, or phone.

Settings

Access Settings

Connections

Sounds and vibration

Notifications

Display

Lock screen and security

Accounts

Device maintenance

Accessibility

Other settings

Access Settings

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

- From a Home screen, swipe down and tap **Settings**.
- From Apps, tap **Settings**.

Search for Settings

If you are not sure exactly where to find a certain setting, you can search for it.

1. From Settings, tap **Search**, and enter keywords.
2. Tap an entry to go to that setting.

Connections

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

Wi-Fi | Bluetooth | NFC and payment | Airplane mode | SIM manager | Mobile networks | Data usage | Mobile hotspot | Tethering | Nearby device scanning | Connect to a printer | Virtual Private Networks | Private DNS | Ethernet | Auto update system configurations | Connected devices

Wi-Fi

You can connect your device to a Wi-Fi network to access the Internet without using your mobile data.

1. From Settings, tap **Connections** > **Wi-Fi**, and then tap to turn on Wi-Fi and scan for available networks.
2. Tap a network, and enter a password if required.
3. Tap **Connect**.

Connect to a hidden Wi-Fi network

If the Wi-Fi network you want is not listed after a scan, you can still connect to it by entering the information manually. Ask the Wi-Fi network administrator for the name and password before you begin.

1. From Settings, tap **Connections** > **Wi-Fi**, and then tap to turn on Wi-Fi.
2. Tap **Add network** at the bottom of the list.
3. Enter information about the Wi-Fi network:
   - **Network name**: Type the exact name of the network.
   - **Security**: Select a security option from the list, and enter the password if required.
   - **Password**: Enter the network password.
   - **Hidden network**: Add a hidden network.
   - **View more**: Define other advanced options, such as IP and Proxy settings.
4. Tap **Save**.

TIP Tap **Scan QR code** to connect to a Wi-Fi network by using your device's camera to scan a QR code.

Wi-Fi settings

You can configure connections to various types of Wi-Fi networks and hotspots, manage saved networks and review your device's network addresses. Options may vary by service provider.

1. From Settings, tap **Connections** > **Wi-Fi**, and then tap to turn on Wi-Fi.
2. Tap **More options** for the following options:
   - **Wi-Fi Direct**: Share data directly between devices over Wi-Fi.
   - **Intelligent Wi-Fi**: Configure Wi-Fi switching and detection features.
   - **Advanced settings**: Configure Wi-Fi connections and Hotspot settings.
   - **Contact us**: Contact Samsung support through Samsung Members.

Bluetooth

You can pair your device to other Bluetooth-enabled devices, like Bluetooth headphones or a Bluetooth-enabled vehicle infotainment system. Once a pairing is created, the devices remember each other and can exchange information without having to enter the passkey again.

1. From Settings, tap **Connections** > **Bluetooth**, and then tap to turn on Bluetooth.
2. Tap a device and follow the prompts to connect.
   - To disconnect from a paired device, tap **Disconnect**. Tap **Connect** to reconnect.

TIP When sharing a file, tap **Bluetooth** to use this feature.

Rename a paired device

You can rename a paired device to make it more recognizable.

1. From Settings, tap **Connections** > **Bluetooth**, and then tap to turn on Bluetooth.
2. Tap **Settings** next to the device name, and then tap **Rename**.
3. Enter a new name, and tap **Rename**.

Unpair from a Bluetooth device

When you unpair from a Bluetooth device, the two devices no longer recognize each other, and you need to pair with the device again in order to connect to it.

1. From Settings, tap **Connections** > **Bluetooth**, and then tap to turn on Bluetooth.
2. Tap **Settings** next to the device, and then tap **Unpair**.
3. Tap **Unpair** to confirm.

Bluetooth settings

Additional Bluetooth features are available in the More settings menu. Options may vary by service provider.

1. From Settings, tap **Connections** > **Bluetooth**.
2. Tap **More options** and tap an option:
   - **Broadcast sound using Auracast**: While broadcasting, sounds from your device can only be heard on Bluetooth devices that are connected to the broadcast.
   - **Advanced settings**: Customize your Bluetooth settings.
   - **Bluetooth tips**: Read help articles about connecting with Bluetooth.
   - **Contact us**: Contact Samsung support through Samsung Members.

Dual audio

You can play audio from your device to two connected Bluetooth audio devices.

1. Connect Bluetooth audio devices to your device.
2. From the Notification panel, tap **Media output**.
3. Under Audio output, tap next to each audio device to play audio to them (up to two devices).

NFC and payment

Near Field Communication (NFC) allows you to communicate with another device without connecting to a network. This technology is used by Android Beam and certain payment apps. The device that you are transferring to needs to support NFC, and it needs to be within four centimeters of your device.

- From Settings, tap **Connections** > **NFC and contactless payments**, and then tap to turn on this feature.

Tap and pay

Use an NFC payment app to make payments by touching your device to a compatible credit card reader.

1. From Settings, tap **Connections** > **NFC and contactless payments**, and then tap to turn on NFC.
2. Tap **Default wallet app** to select or change your default payment app.
   - To access a list of services not related to payment, tap **Other NFC services**.

Airplane mode

Airplane mode turns off all network connections including calling, texting, mobile data, Wi-Fi, and Bluetooth. While Airplane mode is enabled, you can turn on Wi-Fi and Bluetooth in Settings or from the Quick settings panel.

- From Settings, tap **Connections** > **Airplane mode**, and then tap to enable this feature.

NOTE Do not use Ultra-wideband (UWB) aboard aircraft or ships. Turn it off by using Airplane mode, which disables all network connectivity. The use of other features of this mobile device on an aircraft or a ship is subject to federal and local guidelines and restrictions. Always follow crew instructions regarding when and how you may use your device.

SIM manager

Your wireless service provider and service plan may support the ability to use a SIM (**one** physical SIM card) or an eSIM (embedded SIM) so that you can manage two mobile accounts without carrying two devices. Options may vary by service provider.

Devices that support **one SIM contain one SIM card slots**. It may also have a microSD card slot for expandable storage if supported. Devices that support **one** SIM will receive software updates that enable the built-in SIM capability after launch.

Devices that support an eSIM can be programmed to work independently of the physical SIM card in the device. This allows for either the eSIM or the physical SIM card to be used for voice call/text and data. Devices that support eSIM will receive software updates that enable the built-in eSIM capability after launch.

- From Settings, tap **Connections** > **SIM manager** for the following options:
  - **SIM cards:** Enable, disable, or rename installed physical SIM cards in your device.
  - **eSIMs:** Tap **Add eSIM** to sign up for a new eSIM mobile plan or to add a plan from an old device.
  - **Primary SIM:** When using multiple SIM cards, set a primary card to be used for calls, texts, and data.
  - **More SIM settings:** Tap to explore additional management options for your SIM cards.

Mobile networks

Use Mobile networks to configure your device's ability to connect to mobile networks and use mobile data. Options may vary by service provider.

- From Settings, tap **Connections** > **Mobile networks**. Features available from your service provider are displayed.

TIP Use these features to help manage connection settings that may affect your monthly bill.

Data usage

Check your current mobile and Wi-Fi data usage. You can also customize warnings and limits. Options may vary by service provider.

- From Settings, tap **Connections** > **Data usage** for the following options:
  - **Data saver**: Enable to prevent selected apps from sending or receiving data in the background.
  - **Allowed networks for apps**: Set whether apps can use Wi-Fi only, mobile data only, or both.
  - **Mobile**: Configure mobile data settings available from your service provider.
  - **Wi-Fi data usage**: Display data usage over Wi-Fi connections over a period of time.

Mobile hotspot

Mobile hotspot uses your data plan to create a Wi-Fi network that can be used by multiple devices. Options may vary by service provider.

1. From Settings, tap **Connections** > **Mobile hotspot and tethering** > **Mobile hotspot**.
2. Tap to turn on Mobile hotspot.
3. On the devices you want to connect, activate Wi-Fi, and select your device's Mobile hotspot. Enter the Mobile hotspot password to connect.

TIP Tap **QR code** to connect another device to your Mobile hotspot by scanning a QR code instead of entering a password.

DRAFT–FOR INTERNAL USE ONLY

Configure mobile hotspot settings

You can customize your mobile hotspot's security and connection settings.

1. From Settings, tap **Connections** > **Mobile hotspot and tethering** > **Mobile hotspot**.
2. Tap to turn on Mobile hotspot, and then tap the following settings to change them:
   - **Network name**: Change the name of your Mobile hotspot.
   - **Password**: If you choose a security level that uses a password, you can display or change it.
   - **Band**: Select one of the available bandwidth options.
3. Tap **Save**.

Auto hotspot

Share your hotspot connection automatically with other devices signed in to your Samsung account.

1. From Settings, tap **Connections** > **Mobile hotspot and tethering** > **Mobile hotspot**.
2. Tap **Auto hotspot**, and tap to enable the feature.

One-time password

You can share this password with guests to allow them to use your Mobile Hotspot temporarily. The next time you turn on the Mobile Hotspot, the password is reset.

1. From Settings, tap **Connections** > **Mobile hotspot and tethering** > **Mobile hotspot**.
2. Tap **One-time password**, and tap to enable the feature.

DRAFT–FOR INTERNAL USE ONLY

Prioritize real-time traffic

Prioritize real-time network traffic such as games and video calls that are sensitive to lag.

1. From Settings, tap **Connections** > **Mobile hotspot and tethering** > **Mobile hotspot**.
2. Tap **Prioritize real-time traffic** to enable the feature.

Tethering

You can use tethering to share your device's Internet connection with another device. Options may vary by service provider.

1. From Settings, tap **Connections** > **Mobile hotspot and tethering**.
2. 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**.
   - Connect the computer to the device using an Ethernet adapter, and then tap **Ethernet tethering**.

Nearby device scanning

Set up connections to other available devices by turning on Nearby device scanning. This feature sends you a notification when there are available devices to connect to.

1. From Settings, tap **Connections** > **More connection settings** > **Nearby device scanning**.
2. Tap to turn on the feature.

DRAFT–FOR INTERNAL USE ONLY

Connect to a printer

Connect your device to a printer on the same Wi-Fi network to print documents and images from your device.

1. From Settings, tap **Connections** > **More connection settings** > **Printing**.
2. Tap **Default print service**, and then tap **More options** > **Add printer**.

NOTE Not all apps support printing.

Virtual Private Networks

A Virtual Private Network (VPN) allows you to connect to a private secured network from your device. You will need the connection information from your VPN administrator.

1. From Settings, tap **Connections** > **More connection settings** > **VPN**.
2. Tap **More options** > **Add VPN profile**.
3. Enter the VPN network information provided by your network administrator, and tap **Save**.

Manage a VPN

Use the VPN settings menu to edit or delete a VPN connection.

1. From Settings, tap **Connections** > **More connection settings** > **VPN**.
2. Tap **Settings** next to a VPN.
3. Edit the VPN and tap **Save**, or tap **Delete** to remove the VPN.

Connect to a VPN

Once you set up a VPN, your device saves the information so that you can connect again without the initial set up.

1. From Settings, tap **Connections** > **More connection settings** > **VPN**.
2. Tap a **VPN**, enter your log in information, and tap **Connect**.
   - To disconnect, tap the VPN, and then tap **Disconnect**.

DRAFT–FOR INTERNAL USE ONLY

Private DNS

You can configure your device to connect to a private DNS host.

1. From Settings, tap **Connections** > **More connection settings** > **Private DNS**.
2. Tap one of the available options to configure a private DNS connection.
3. Tap **Save**.

Ethernet

If wireless network connection is not available, you can use an Ethernet cable to connect your device to a local network.

1. Connect an Ethernet cable to your device.
2. From Settings, tap **Connections** > **More connection settings** > **Ethernet**, and follow the prompts.

TIP You need an adapter (not included) to connect an Ethernet cable to your device.

Auto update system configurations

Allow automatic configuration changes to ensure that network connection features work as expected. Even when this is off, your device configuration may be updated automatically to ensure the safety, security, and functionality of your device.

- From Settings, tap **Connections** > **More connection settings** > **Auto update system configurations** to turn on the feature.

Connected devices

Achieve mobile continuity between your device and other connected devices. Options may vary by service provider.

- From Settings, tap **Connected devices** for the following features:
  - **Quick Share**: Allow anyone with a Samsung account to share files with your device.
  - **Music Share**: Let nearby friends play music on your Bluetooth speaker.

DRAFT–FOR INTERNAL USE ONLY

- **Auto switch Buds**: Automatically switch your Galaxy Buds from another device to this device when you make a call, answer a call, or play media.
- **Call & text on other devices**: Make and answer calls and text messages from your Galaxy devices that are signed in to your Samsung account.
- **Continue on other devices**: Pick up where you left off on your Galaxy devices that are signed in to your Samsung account.
- **Camera Share**: Use the device's camera as a webcam for a nearby tablet or Galaxy Book.
- **Storage Share**: Share access to your device storage.
- **Link to Windows**: Connect your device and Windows PC to get instant access to your device's photos, messages and more.
- **Multi control**: Use the cursor and keyboard from your Galaxy Book to control this device and drag things back and forth.
- **Samsung DeX**: Connect your device to a PC or TV for an enhanced multitasking experience.
- **Smart View**: Show your device's screen or play videos on a nearby TV.
- **Galaxy Wearable**: Connect your device to your Samsung watch and earbuds.
- **SmartThings**: Use your device to connect to an ecosystem of smarter living solutions.
- **Android Auto**: Connect your device and compatible car displays so that you can focus on driving.

DRAFT–FOR INTERNAL USE ONLY

Sounds and vibration

You can control the sounds and vibrations used to indicate notifications, screen touches, and other interactions.

Sound mode | Vibrations | Volume | Ringtone | Notification sound | System sound | Dolby Atmos | Equalizer | Loudness normalization | App sound settings | Adapt sound | UHQ upscaler | Separate app sound

Sound mode

You can change the sound mode on your device without using Volume buttons.

- From Settings, tap **Sounds and vibration**, and then choose a mode:
  - **Sound:** Use the sounds, vibrations, and volume levels you have chosen in Sound settings for notifications and alerts.
    - **Vibrate while ringing:** Set your device to vibrate in addition to ringing when you receive a call.
  - **Vibrate:** Use vibration only for notifications and alerts.
  - **Mute:** Set your device to make no sounds.
    - **Temporary mute:** Set a time limit for muting the device.

TIP Use the sound mode setting instead of Volume buttons to change the sound mode without losing your customized sound levels.

Mute with gestures

Quickly mute sounds by covering the screen or turning the device over.

- From Settings, tap **Advanced features** > **Motions and gestures** > **Mute with gestures**, and tap to enable.

DRAFT–FOR INTERNAL USE ONLY

Vibrations

You can control how and when your device vibrates. Options may vary by service provider.

1. From Settings, tap **Sounds and vibration**.
2. Tap options to customize:
   - **Call vibration**: Choose from preset vibration patterns for calls.
   - **Notification vibration**: Choose from preset vibration patterns for notifications.
   - **System vibration**: Configure vibration intensity and feedback for the following options:
     - **System vibration intensity**: Drag the slider to adjust vibration intensity.
     - **Touch interactions**: Vibrate when you tap navigation buttons or touch and hold items on the screen.
     - **Dialing keypad**: Vibrate when dialing numbers on the Phone keypad.
     - **Samsung keyboard**: Vibrate when typing with the Samsung keyboard.
     - **Charging**: Vibrate when a charger is connected.
     - **Navigation gestures**: Vibrate when using gestures.
     - **Camera feedback**: Vibrate when taking pictures, zooming, changing shooting modes, and more.
   - **Vibration intensity**: Set vibration intensity levels for calls, notifications, and touch interactions by dragging the sliders.

Volume

Set the volume level for call ringtones, notifications, media, and system sounds.

- From Settings, tap **Sounds and vibration** > **Volume**, and drag the sliders for each sound type.

TIP You can also use Volume buttons to adjust the volume. When pressed, a pop-up menu shows the volume level and current sound type. You can tap the menu to expand it, and then adjust the volume of the other sound types by dragging their sliders.

DRAFT–FOR INTERNAL USE ONLY

Use Volume buttons for media

Set the default action of Volume buttons to control the media sound volume rather than whichever sound type is in use.

1. From Settings, tap **Sounds and vibration** > **Volume**.
2. Tap **Use Volume buttons for media** to enable this feature.

Media volume limit

Limit the maximum output of the device's volume while using Bluetooth speakers or headphones (not included).

1. From Settings, tap **Sounds and vibration** > **Volume**.
2. Tap **More options** > **Media volume limit**.
3. Tap to enable this feature.
   - To set the maximum output volume, drag the **Custom volume limit** slider.

Ringtone

Customize your call ringtone by choosing from preset sounds or adding your own. Options may vary by service provider.

1. From Settings, tap **Sounds and vibration** > **Ringtone**.
2. Drag the slider to adjust the ringtone volume.
3. Tap a ringtone to hear a preview and select it, or tap **Add** to use an audio file as a ringtone.

Notification sound

Choose a preset sound for all notification alerts.

1. From Settings, tap **Sounds and vibration** > **Notification sound**.
2. Drag the slider to adjust the notification sound volume.
3. Tap a sound to hear a preview and select it.

DRAFT–FOR INTERNAL USE ONLY

System sound

Customize your device's sounds for actions like tapping the screen and charging the device. Options may vary by service provider.

- From Settings, tap **Sounds and vibration** > **System sound** for the following options:
  - **System sound volume:** Drag the slider to adjust the system volume.
  - **System sound theme:** Choose a sound theme to use for touch interactions, charging, changing the sound mode, and Samsung Keyboard, and more.
  - **Touch interactions:** Play tones when you touch or tap the screen to make selections.
  - **Dialing keypad:** Play a tone when dialing numbers on the Phone keypad.
  - **Samsung keyboard:** Play a sound when typing with the Samsung keyboard.
  - **Charging:** Play a sound when a charger is connected.
  - **Screen lock/unlock:** Play a sound when you lock or unlock the screen.

Dolby Atmos

Enjoy Dolby Atmos quality when playing content that was specifically mixed for Atmos. This feature may only be available with a headset connected.

- From Settings, tap **Sounds and vibration** > **Sound quality and effects** for the following options:
  - **Dolby Atmos:** Experience breakthrough audio that flows above and around you.

Equalizer

Choose an audio preset that is customized to different genres of music, or manually change your audio settings.

1. From Settings, tap **Sounds and vibration** > **Sound quality and effects**.
2. Tap **Equalizer** to choose a music genre.

DRAFT–FOR INTERNAL USE ONLY

Loudness normalization

Adjust the recording based on perceived loudness. Normalization adjusts the gain by a constant value.

1. From Settings, tap **Sounds and vibration** > **Sound quality and effects**.
2. Tap **Loudness normalization** to enable.

App sound settings

When you change the sound settings using the Quick panel while using a media app, those settings are saved and applied the next time you use that app.

1. From Settings, tap **Sounds and vibration** > **Sound quality and effects**.
2. Tap **App sound settings** to enable.

Adapt sound

Customize the sound for each ear and enhance your listening experience.

1. From Settings, tap **Sounds and vibration** > **Sound quality and effects** > **Adapt sound**.
2. Tap **Adapt sound for** to select when to change the sound settings.
3. Tap the sound profile that fits you best, and tap **Settings** to customize.

TIP Tap **Add personalized sound profile** to let your device identify the best sound for you.

UHQ upscaler

Enhance the sound resolution of music and videos for a clearer listening experience. This feature is only available with a headset connected.

1. From Settings, tap **Sounds and vibration** > **Sound quality and effects**.
2. Tap **UHQ upscaler** and choose an upscaling option.

DRAFT–FOR INTERNAL USE ONLY

Separate app sound

You can choose to have an app play only media sound on a Bluetooth speaker or headset separate from the other sounds (like notifications). Connect to a Bluetooth device to make this option available in the Audio device menu.

1. From Settings, tap **Sounds and vibration** > **Separate app sound**.
2. Tap **Turn on now** 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

You can prioritize and streamline app alerts by changing which apps send notifications and how notifications alert you.

App notifications

Choose which apps are allowed to send you notifications.

- From Settings, tap **Notifications** > **App notifications**, and then tap to enable notifications for individual apps.

DRAFT–FOR INTERNAL USE ONLY

Notification pop-up style

You can change the style and additional settings for your notifications.

- From Settings, tap **Notifications** > **Notification pop-up style**, and then choose a pop-up style:
  - **Brief**: Enable customization of your notifications.
    - **Apps to show as brief**: Choose apps to show as brief notifications.
    - **Edge lighting style**: Choose a style of edge lighting for notifications.
    - **Color by keyword**: Choose custom colors for notifications containing keywords that matter to you.
    - **Show brief pop-ups even while screen is off**: Choose whether to show notifications even when the screen is turned off.
  - **Detailed**: Enable the default Samsung Notification settings.

Sort and filter notifications

Choose how to sort your notifications.

- From Settings, tap **Notifications** > **Sort and filter notifications**, and then choose to sort and filter by different criteria.

Hide content while locked

Choose whether to hide notification content while your device is locked.

- From Settings, tap **Notifications** > **Hide content while locked**.

Status bar

Customize how notifications are displayed in the Status bar.

- From Settings, tap **Notifications** > **Status bar** for the following options:
  - **Notification style**: Choose to display notifications as dots, icons, or none.
  - **Show battery percentage**: Display the current battery life of your device.

DRAFT–FOR INTERNAL USE ONLY

Lock screen

Choose which notifications are allowed on the Lock screen.

- From Settings, tap **Notifications** > **Lock screen**, and then tap to enable the feature. Tap an option to customize:
  - **Notification style:** Choose to display notifications on the Lock screen as dots, icons, or cards.
  - **Show alerting notifications only:** Choose which notifications to show on the Lock screen.

Do not disturb

Do not disturb allows you to block sounds and notifications while this mode is turned on. You can also specify exceptions for people, apps, and alarms. You can also set a schedule for recurring events like sleep or meetings.

- From Settings, tap **Notifications** > **Do not disturb** and configure the following:
  - **Do not disturb:** Enable Do not disturb to block sounds and notifications.
  - **For how long?:** Choose a default duration for Do not disturb mode when you enable it manually.

  Schedule

  - **Sleeping:** Customize a schedule for Do not disturb mode while you are sleeping.
  - **Add schedule:** Create a new schedule to configure the days and times to regularly put your device in Do not disturb mode.

  Allowed during Do not disturb

  - **Calls and messages:** Tap to allow Do not disturb exceptions.
  - **App notifications:** Add apps that you would like to receive notifications from in Do not disturb mode. Call, message, and conversation notifications will still reach you even if you don't allow the associated apps.
  - **Alarms and sounds:** Enable sounds and vibrations for alarms, events, and reminders while Do not disturb mode is active.
  - **Hide notifications:** Customize options to hide notifications.

DRAFT–FOR INTERNAL USE ONLY

Advanced notifications settings

You can configure notifications from apps and services.

- From Settings, tap **Notifications** > **Advanced settings**.
  - **Notification history**: Display recent and snoozed notifications.
  - **Show app icon in notifications**: Enable app icons in notifications.
  - **Suggest actions and replies for notifications**: Get applicable suggestions for actions to notifications and replies to messages.
  - **Show snooze button**: Enable to display a button to quickly snooze your notifications.
  - **Repeat notification alerts**: Enable and customize periodic reminders about notifications from selected apps and services. Clear notifications to stop the reminders.
  - **App icon badges**: Identify which apps have active notifications with badges that appear on their icons. Tap to choose whether or not badges indicate the number of unread notifications.
  - **Manage notification categories for each app**: Show the notification categories menu on the notification settings screen for each app.
  - **Wireless Emergency Alerts**: Customize notifications for emergency alerts.

Alert when phone picked up

You can set the device to notify you about missed calls and messages by vibrating when you pick it up.

- From Settings, tap **Advanced features** > **Motions and gestures** > **Alert when phone picked up** to enable.

DRAFT–FOR INTERNAL USE ONLY

Display

You can configure the screen brightness, timeout delay, font size, and many other display settings.

Dark mode | Screen brightness | Motion smoothness | Eye comfort shield | Screen mode | Font size and style | Screen zoom | Aspect ratio | Camera cutout | Screen timeout | Easy mode | Edge panels | Accidental touch protection | Touch sensitivity | Show charging information | Screen saver | Lift to wake | Double tap to turn on screen | Double tap to turn off screen | Palm touch to turn off screen | One-handed mode

Dark mode

Dark mode allows you to switch to a darker theme to keep your eyes more comfortable at night, darkening white or bright screens and notifications.

- From Settings, tap **Display** for the following options:
  - **Light:** Apply a light color theme to your device (default).
  - **Dark:** Apply a dark color theme to your device.
  - **Dark mode settings:** Customize when and where Dark mode is applied.
    - **Turn on as scheduled:** Configure Dark mode for either **Sunset to sunrise** or **Custom schedule**.

Screen brightness

Adjust the screen brightness according to lighting conditions or personal preference.

1. From Settings, tap **Display**.
2. Customize options under **Brightness**:
   - Drag the **Brightness** slider to set a custom brightness level.
   - Tap **Adaptive brightness** to automatically adjust the screen brightness based on the lighting conditions.
     - Tap **Extra brightness** to increase the maximum brightness. This uses more battery.

TIP You can also adjust screen brightness from the Quick settings panel.

DRAFT–FOR INTERNAL USE ONLY

Motion smoothness

Get smoother scrolling and more realistic animations by increasing the screen's refresh rate.

1. From Settings, tap **Display** > **Motion smoothness**.
2. Tap an option, and then tap **Apply**.

Eye comfort shield

This feature may help you sleep better and reduce eye strain. You can set a schedule to automatically turn this feature on and off.

1. From Settings, tap **Display** > **Eye comfort shield**, and then tap to enable this feature.
2. Tap an option to customize:
   - **Adaptive**: Automatically adjust your screen's color temperature based on your usage patterns and the time of day.
   - **Custom**: Set a schedule for when Eye comfort shield should be enabled.
     - Tap **Set schedule** and choose **Always on, Sunset to sunrise**, or **Custom**.
     - Drag the **Color temperature** slider to set the opacity of the filter.

Screen mode

Your device has several screen mode options which adjust the screen quality for different situations. You can select the mode according to your preference.

1. From Settings, tap **Display** > **Screen mode**.
2. Tap an option to set a different screen mode.
   - Drag the slider to adjust the white balance.
   - Tap **Advanced settings** to manually change the RGB values.

DRAFT–FOR INTERNAL USE ONLY

Font size and style

You can change the font size and style to customize your device.

- From Settings, tap **Display** > **Font size and style** for the following options:
  - Tap **Font style** to choose a different font.
    - Tap a font to select it, or tap **Download fonts** to add fonts from Galaxy Store.
  - Tap **Bold font** to make all fonts appear with bold weight.
  - Drag the **Font size** slider to adjust the size of text.

Screen zoom

Adjust the zoom level to make content larger or smaller.

1. From Settings, tap **Display** > **Screen zoom**.
2. Drag the **Screen zoom** slider to adjust the zoom level.

Aspect ratio

You can set the aspect ratio for each app individually.

1. From Settings, tap **Display** > **Aspect ratio**.
2. Tap an app to select the aspect ratio.

Camera cutout

You can hide the camera cutout area with a black bar.

- From Settings, tap **Display** > **Camera cutout** and tap apps to enable this feature and customize options.

DRAFT–FOR INTERNAL USE ONLY

Screen timeout

You can set the screen to turn off after a set amount of time.

- From Settings, tap **Display** > **Screen timeout**, and tap a time limit to set it.
  - Tap **Keep screen on while viewing** to use the front camera to detect your face and keep the screen on.

NOTE Prolonged display of non-moving images, excluding Always On Display, may result in permanent ghost-like afterimages or degraded image quality. Turn off the display screen when not in use.

Easy mode

The Easy mode layout has larger text and icons, making for a more straightforward visual experience. Switch between the default screen layout and a simpler layout.

1. From Settings, tap **Display** > **Easy mode**.
2. Tap to enable this feature. The following options appear:
   - **Touch and hold delay**: Set how long it takes for a continuous touch to be recognized as a touch and hold.
   - **High contrast keyboard**: Choose a keyboard with high contrast colors.

Edge panels

The Edge panels feature a variety of customizable panels that can be accessed from the edge of the screen. Edge panels can be used to access apps, tasks, and contacts, as well as check news, sports, and other information.

- From Settings, tap **Display** > **Edge panels**, tap to enable this feature.

DRAFT–FOR INTERNAL USE ONLY

Configure Edge panels

You can customize the Edge panels.

1. From Settings, tap **Display** > **Edge panels** > **Panels.**
2. The following options are available:
   - **Checkbox:** Enable or disable each panel.
   - **Edit** (if available): Configure individual panels.
   - **More options:**
     - **Reorder:** Change the order of the panels by dragging them to the left or right.
     - **Uninstall:** Remove a downloaded Edge panel from your device.
     - **Hide on Lock screen:** Choose panels to hide on the Lock screen when a secure screen lock is set.
3. Tap **Navigate up** to save changes.

Edge panel position and style

You can change the position of the Edge handle.

- From Settings, tap **Display** > **Edge panels** > **Handle** for the following options:
  - **Edge panel handle:** Drag to change the position of the Edge handle along the edge of the screen.
  - **Position:** Choose either **Right** or **Left** to set which side the Edge screen displays on.
  - **Lock handle position:** Enable to prevent the handle position from being moved when touched and held.
  - **Style:** Choose a color for the Edge handle.
  - **Transparency:** Drag the slider to adjust the transparency of the Edge handle.
  - **Size:** Drag the slider to adjust the size of the Edge handle.
  - **Width:** Drag the slider to adjust the width of the Edge handle.

DRAFT–FOR INTERNAL USE ONLY

About Edge panels

Check the current Edge panel software version and license information.

- From Settings, tap **Display** > **Edge panels** > **About Edge panels**.

Accidental touch protection

Prevent the screen from detecting touch input while the device is in a dark place, such as a pocket or a bag.

- From Settings, tap **Display** > **Accidental touch protection** to enable the feature.

Touch sensitivity

Increase the touch sensitivity of the screen for use with screen protectors.

- From Settings, tap **Display** > **Touch sensitivity** to enable.

Show charging information

Battery level and estimated time until the device is fully charged can be displayed when the screen is off.

- From Settings, tap **Display** > **Show charging information** to enable.

Screen saver

You can display colors or photos when the screen turns off or while charging.

1. From Settings, tap **Display** > **Screen saver**.
2. Choose one of the following options:
   - **None**: Do not display a screen saver.
   - **Colors**: Tap the selector to display a changing screen of colors.
   - **Device control**: Display device control options.
   - **Photo table**: Display pictures in a photo table.
   - **Photo frame**: Display pictures in a photo frame.
   - **Photos**: Display pictures from your Google Photos account.
3. Tap **Preview** for a demonstration of the selected Screen saver.

TIP Tap **Settings** next to a feature for additional options.

DRAFT–FOR INTERNAL USE ONLY

Lift to wake

Turn on the screen by lifting the device.

- From Settings, tap **Advanced features** > **Motions and gestures** > **Lift to wake** to enable this feature.

Double tap to turn on screen

Turn on the screen by double-tapping instead of using Side button.

- From Settings, tap **Advanced features** > **Motions and gestures** > **Double tap to turn on screen** to enable this feature.

Double tap to turn off screen

Turn off the screen by double-tapping instead of using Side button.

- From Settings, tap **Advanced features** > **Motions and gestures** > **Double tap to turn off screen** to enable this feature.

Palm touch to turn off screen

Cover the screen with your palm to turn it off. This will not work while the keyboard is displayed.

- From Settings, tap **Advanced features** > **Motions and gestures** > **Palm touch to turn off screen** to enable this feature.

One-handed mode

You can change the screen layout to accommodate operating your device with one hand.

1. From Settings, tap **Advanced features** > **One-handed mode**.
2. Tap to enable the feature and select one of the following options:
   - **Gesture**: Swipe down in the center of the bottom edge of the screen.
   - **Button**: Tap **Home** two times in quick succession to reduce the display size.

DRAFT–FOR INTERNAL USE ONLY

Lock screen and security

You can secure your device and protect your data by setting a screen lock.

Screen lock types | Biometric security | Account security | Lost device protection | Google Play Protect | Security update | Auto blocker | Security status of your devices | More security settings | Permissions used in the last 24 hours | Internet privacy protection | Controls and alerts | Samsung Privacy | Google Privacy | Location | Safety and emergency

Screen lock types

You can choose from the following screen lock types that offer high, medium, or no security: Swipe, Pattern, PIN, Password, and None.

NOTE Biometric locks are also available to protect access to your device and sensitive data on your device. Learn more: Biometric security

Set a secure screen lock

It is recommended that you secure your device using a secure screen lock (Pattern, PIN, or Password). This is necessary to set up and enable biometric locks.

1. From Settings, tap **Lock screen and AOD** > **Screen lock and biometrics** and tap a secure screen lock (**Pattern**, **PIN**, or **Password**).
2. Tap to enable showing notifications on the lock screen. The following options are available:
   - **Notification style**: Choose how notifications are displayed on the Lock screen.
   - **Show alerting notifications only**: Silent notifications will not be displayed.
3. Tap **Done** to exit the menu.
4. Configure the following screen lock options:
   - **Extend unlock**: 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.

DRAFT–FOR INTERNAL USE ONLY

- **Always On Display:** Display missed calls and message alerts, check the time and date, and more without unlocking your device using Always On Display (AOD).
- **Now bar:** Customize the card to show what you want on the Lock screen.
- **Touch and hold to edit:** Choose whether to allow items on the Lock screen to be edited by touching and holding them.
- **Roaming clock:** Show the time both where you are and at home while you are roaming.
- **Contact information:** Display information such as your phone number or email address on the Lock screen in case you lose your device.
- **Show unlock transition effect:** Show a transition effect when you use biometrics to unlock your device.
- **About Lock screen:** Update the Lock screen's software.

Biometric security

Use biometrics to securely unlock your device and log in to accounts.

Face recognition

You can enable Face Recognition to unlock your screen. To use your face to unlock your device, you must set a pattern, PIN, or password.

- Face recognition is less secure than Pattern, PIN, or Password. Your device could be unlocked by someone or something that looks like your image.
- Some conditions may affect face recognition, including wearing glasses, hats, beards, or heavy make-up.
- When registering your face, ensure that you are in a well-lit area and the camera lens is clean.

1. From Settings, tap **Security and privacy** > **Screen lock and biometrics** > **Face recognition.**
2. Follow the prompts to register your face.

DRAFT–FOR INTERNAL USE ONLY

Face recognition management

Customize how face recognition works.

- From Settings, tap **Security and privacy** > **Screen lock and biometrics** > **Face recognition**.
  - **Remove face data**: Delete existing faces.
  - **Add alternative appearance to enhance recognition**: Enhance face recognition by adding an alternative appearance.
  - **Face unlock**: Enable or disable face recognition security.
  - **Stay on Lock screen until swipe**: When you unlock your device with face recognition, stay on the Lock screen until you swipe the screen.
  - **Require open eyes**: Facial recognition will only recognize your face when your eyes are open.
  - **Brighten screen**: Increase the screen brightness temporarily so that your face can be recognized in dark conditions.
  - **About face recognition**: Learn additional information about securing your device with face recognition.

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

1. From Settings, tap **Security and privacy** > **Screen lock and biometrics** > **Fingerprints**.
2. Follow the prompts to register your fingerprint.

DRAFT–FOR INTERNAL USE ONLY

Fingerprint management

Add, delete, and rename fingerprints.

- From Settings, tap **Security and privacy** > **Screen lock and biometrics** > **Fingerprints** for the following options:
  - The list of registered fingerprints is at the top of this list. You can tap a fingerprint to remove or rename it.
  - **Add fingerprint:** Follow the prompts to register another fingerprint.
  - **Check added fingerprints:** Scan your fingerprint to check if it has been registered.

Fingerprint verification settings

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

- From Settings, tap **Security and privacy** > **Screen lock and biometrics** > **Fingerprints**.
  - **Fingerprint unlock:** Use your fingerprint for identification when unlocking your device.
  - **Fingerprint always on:** Scan your fingerprint even when the screen is off.

Biometrics settings

Configure your preferences for biometric security options.

- From Settings, tap **Security and privacy** > **Screen lock and biometrics** for the following:
  - **About unlocking with biometrics:** Learn additional information about securing your device with biometrics.

Account security

Sign in to your Samsung and Google accounts to keep your phone secure.

1. From Settings, tap **Security and privacy** > **Account security**.
2. Tap either **Samsung account security** or **Google Account security** to sign in to your account.

DRAFT–FOR INTERNAL USE ONLY

Lost device protection

You can protect your device from loss or theft by allowing your device to be locked, tracked online, and for your data to be deleted remotely. A Samsung account is required, and Google location service must be turned on in order to use Find My Mobile.

Turn on Find My Mobile

Before you can use the Find My Mobile feature, you must turn it on and customize the options. You can locate or unlock your device at **smartthingsfind.samsung.com**

1. From Settings, tap **Security and privacy** > **Lost device protection**.
2. Tap **Find My Mobile** and log in to your Samsung account. The following options are available:
   - **Allow this phone to be found**: Enable to permit this feature to find this device.
   - **Send last location**: Allow your device to send its last location to the Find My Mobile server when the remaining battery charge falls below a certain level.
   - **Offline finding**: Locate your device even if it is offline, and help others find their devices.

Google Play Protect

You can configure Google Play to regularly check your apps and device for security risks and threats.

- From Settings, tap **Security and privacy** > **App security** > **Google Play Protect**.
  - Updates are checked for automatically.

Security update

You can check the date of the last installed security software update and find out if newer updates are available.

- From Settings, tap **Security and privacy** > **Updates** > **Security update** to check if an update is available.

DRAFT–FOR INTERNAL USE ONLY

Auto blocker

Keep your device safe by blocking threats and other suspicious activity.

1. From Settings, tap **Security and privacy** > **Auto blocker**.
2. Tap to turn on the feature and configure advanced settings.

Security status of your devices

Check the security status of all devices signed in to your Samsung account using the Knox Matrix.

1. From Settings, tap **Security and privacy** > **Security status of your devices**.
2. Sign in to your Samsung account to review your devices.

More security settings

Configure additional security settings to better protect your device. Options may vary by service provider.

- From Settings, tap **Security and privacy** > **More security settings** for the following options:
  - **Secure Wi-Fi:** Get extra privacy protection while using unsecured Wi-Fi networks. You must sign in to your Samsung account to set up and use Secure Wi-Fi.
  - **SIM card security:** Set a PIN to lock your SIM card, preventing unauthorized use of your SIM card if someone attempts to use it in another device.
  - **Block USB connections while locked:** Only allow USB devices to connect if your phone is unlocked.
  - **Secure Folder:** Create a secure folder on your device to protect private content and apps from anyone who may be using your device. You must sign in to your Samsung account to set up and use Secure folder.
  - **Enhanced data protection:** Sign in to your Samsung account and enable additional security settings to better protect your data.
  - **Allow apps to be pinned:** Save an app on your device screen, which prevents access to other features of your device.

DRAFT–FOR INTERNAL USE ONLY

- **Passwords, passkeys, and autofill:** Save time entering information using autofill services.
- **Make passwords visible:** Have characters displayed briefly in password fields as you type them.
- **Samsung Blockchain Keystore:** Manage your blockchain private key.
- **Install unknown apps:** Allow installation of unknown third-party apps from selected apps or sources.
- **Device admin apps:** Authorize security features and apps to have administrative access to your device.
- **Trust agents:** Allow trusted devices to perform selected actions when connected.
- **Credential storage:** Manage the trusted security certificates installed on your device, which verify the identity of servers for secure connections.
- **Android Safe Browsing:** Get alerts about threats from dangerous websites.
- **Galaxy system app update:** Configure your device to receive and install Samsung updates automatically.

Permissions used in the last 24 hours

Review a list of apps and permissions used in the last 24 hours or seven days.

1. From Settings, tap **Security and privacy** > **Permissions used in last 24 hours.**
2. Tap **Permissions** or **Apps** to review usage.

Internet privacy protection

Apps might access features of your device that you permit them to (like the camera, microphone, or location) when they are running in the background, not only when you are using the app. You can set your device to notify you when this happens.

- From Settings, tap **Security and privacy** > **Internet privacy protection** to open the Privacy dashboard. Available options depend on the websites visited.

DRAFT–FOR INTERNAL USE ONLY

Controls and alerts

Control app access to the camera, microphone, and clipboard.

1. From Settings, tap **Security and privacy** > **Controls and alerts.**
2. Tap an option to enable or disable:
   - **Camera access:** Allow apps to use the camera if they have the appropriate permissions.
   - **Microphone access:** Allow apps to use the microphone if they have the appropriate permissions.
   - **Alert when clipboard accessed:** Get an alert when an app accesses content copied to the clipboard.

Samsung Privacy

Send diagnostic information about your device to Samsung when you are having technical problems.

1. From Settings, tap **Security and privacy** > **More privacy settings.**
2. Under **Samsung** tap privacy services to customize them.

Google Privacy

Customize Android and Google privacy features.

1. From Settings, tap **Security and privacy** > **More privacy settings.**
2. Under **Google** tap privacy services to customize them.

Location

Location services use a combination of GPS, mobile network, and Wi-Fi to determine the location of your device.

1. From Settings, tap **Location.**
2. Tap to turn on Location services.

TIP Some apps require location services be turned on to function.

DRAFT–FOR INTERNAL USE ONLY

App permissions

Configure permissions for apps that want to access your location information.

1. From Settings, tap **Location** > **App permissions**.
2. Tap an app and choose which location permissions to grant it. Options vary by app.

Location services

Location services store and use your device's most recent location data. Certain apps can use this data to improve your search results based on places that you have visited.

1. From Settings, tap **Location** > **Location services**.
2. Tap an entry to check how your location information is used.
3. Tap a connection method under **Improve accuracy** to add or remove from location services:
   - **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 access

Display a list of apps that have requested your location.

1. From Settings, tap **Location**.
2. Tap to turn on Location services.
3. Tap an entry under **Recent access** for the app's settings.

DRAFT–FOR INTERNAL USE ONLY

Safety and emergency

Configure and enable safety features that can help you in an emergency.

Medical info

Emergency responders and others can access your medical info even when your device is locked.

1. From Settings, tap **Safety and emergency** > **Medical info**.
2. Enter your allergies, current medication, and other medical information you would like to be available in an emergency.
3. Tap **Save**.

Emergency contacts

Emergency contacts can be called even when your device is locked. Options may vary by service provider.

- From Settings, tap **Safety and emergency** > **Emergency contacts**.
  - **911**: By default 911 is the first emergency service listed.
  - **Add emergency contact**: Choose contacts on your phone as your emergency contacts.
  - **Show on Lock screen**: Show emergency contacts on the Lock screen for quick access in an emergency.
  - **Share during emergency calls and texts**: Send your emergency contacts and medical information to the emergency services you call or text.

DRAFT–FOR INTERNAL USE ONLY

Emergency SOS

Send a message with pictures and audio to your emergency contacts.

- From Settings, tap **Safety and emergency** > **Emergency SOS**. Enable to start the following actions by pressing Side button five times:
  - **Require swipe to call:** Enable to require swiping the Call button in addition to pressing Side button five times to dial your emergency number.
  - **Emergency number to call:** Choose the number to dial for an emergency call.
  - **Send SOS to emergency contacts:** Enable to send your location to your emergency contacts.

TIP You can also activate Emergency SOS by pressing **Side button** and **Volume down button**, and then tapping **Emergency call**.

Emergency sharing

Send a message with pictures and audio to your emergency contacts.

1. From Settings, tap **Safety and emergency** > **Emergency sharing**. Choose what to send to your emergency contacts if you need help:
   - **Emergency contacts:** Add contacts you trust to help you in an emergency.
   - **Attach pictures:** Take and send pictures from your front and rear cameras.
   - **Attach audio recording:** Record and send five seconds of audio.
2. Tap **Start emergency sharing** to send your selected media to your emergency contacts.

Emergency Location Service

If Emergency Location Service (ELS) is supported in your region, when you call or text an emergency number, your device can automatically send its location to emergency response partners.

1. From Settings, tap **Safety and emergency** > **Emergency Location Service**.
2. Tap to turn on Emergency Location Service.

DRAFT–FOR INTERNAL USE ONLY

Wireless Emergency Alerts

Emergency alerts notify you of imminent threats and other situations. There is no charge for receiving an Emergency alert.

- From Settings, tap **Safety and emergency** > **Wireless Emergency Alerts** to customize notifications for emergency alerts.

TIP You can also access Emergency alerts in Notifications. From Settings, tap **Notifications** > **Advanced settings** > **Wireless Emergency Alerts**.

Earthquake alerts

Receive alerts when an earthquake is detected nearby. This feature is not available in all areas.

- From Settings, tap **Safety and emergency** > **Earthquake alerts**.

Unknown tracker alerts

Receive alerts when an unknown tracker is detected traveling with you. Alerts are deleted after 48 hours.

- From Settings, tap **Safety and emergency** > **Unknown tracker alert**, and tap to enable.
  - Tap **Scan now** to do a manual scan for unknown trackers.

DRAFT–FOR INTERNAL USE ONLY

Accounts

You can connect to and manage your accounts, including your Google Account, Samsung account, email, and social networking accounts.

Add an account | Account settings | Remove an account | Backup and restore | Google settings

Add an account

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

1. From Settings, tap **Accounts and backup** > **Manage accounts** > **Add account**.
2. Tap one of the account types.
3. Follow the prompts to enter your credentials and set up the account.
   - Tap **Auto sync data** to enable automatic updates to your accounts.

Account settings

Each account has its own custom settings. You can configure common settings for all accounts of the same type. Account settings and available features vary between account types.

1. From Settings, tap **Accounts and backup** > **Manage accounts**.
2. Tap an account to customize its settings.

Remove an account

You can remove accounts from your device.

1. From Settings, tap **Accounts and backup** > **Manage accounts**.
2. Tap the account and then tap **Remove account**.

DRAFT–FOR INTERNAL USE ONLY

Backup and restore

You can configure your device to back up data to your personal accounts.

Samsung account

You can enable backup of your information to your Samsung account. Options may vary by service provider.

- From Settings, tap **Accounts and backup** and tap an option under **Samsung Cloud**:
  - **Back up data**: Configure your Samsung account to back up your data.
  - **Restore data**: Use your Samsung account to restore your backup data.

Google Account

You can enable backup of your information to your Google Account.

1. From Settings, tap **Accounts and backup**.
2. Under **Google Drive**, tap **Back up data**.

External storage transfer

You can back up your data to a USB storage device, or restore backup data using Smart Switch. Learn more: Transfer data for device setup

- From Settings, tap **Accounts and backup** > **External storage transfer**.

Google settings

You can configure your device's Google settings. Available options depend on your Google Account.

- From Settings, tap **Google**, and select an option to customize.

DRAFT–FOR INTERNAL USE ONLY

Device maintenance

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

Quick optimization | Battery | Storage | Memory | Advanced device care options | Language and input | Keyboard | Physical keyboards | Mouse and trackpad | Troubleshooting | Customization service

Quick optimization

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

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

To use the quick optimization feature:

- From Settings, tap **Device care** > **Optimize now**.

Battery

Review how battery power is used for your various device activities.

- From Settings, tap **Device care** > **Battery** for the following options:
  - **Power saving:** Save battery life by limiting background network usage, syncing, and location checking. Choose from additional power saving options to save more power when this mode is enabled.
  - **Background usage limits:** Identify apps that you don't use often and limit their battery usage. To disable this feature, tap **Put unused apps to sleep**.
  - **Battery protection:** Choose a method to extend the lifespan of your battery.
  - **Today:** Review your recent battery usage by time, app, and service.
  - **Charging settings:** Customize the charging settings for your device.
  - **Wireless power sharing:** Enable wireless charging of supported devices with your device's battery.

DRAFT–FOR INTERNAL USE ONLY

- **Auto dim screen:** Dim the screen when battery is below 5%.
- **Show battery percentage:** Display the battery charge percentage next to the battery icon on the Status bar.
- **Battery information:** Display the battery status and level.

Storage

Review your storage capacity and detailed usage by category and file type.

- From Settings, tap **Device care** > **Storage**.
  - Tap a category to manage files.

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.

- From Settings, tap **Device care** > **Memory**. The used and available memory are shown.
  - Tap **Clean now** to free up as much memory as possible.
  - Tap **View more** for the full list of apps and services using memory. Tap to include or exclude these apps and services.
  - **Memory resident apps:** Display any apps that run continuously in memory.
  - Tap **Excluded apps** for a list of apps that have been excluded. Tap **Add apps** to choose apps to exclude from memory usage checks.
  - Tap **RAM Plus** to select how much internal storage to use as virtual memory to improve app performance.

DRAFT–FOR INTERNAL USE ONLY

Advanced device care options

Other Device care features are available in the Advanced menu. Options may vary by service provider.

- From Settings, tap **Device care**. The following options are available:
  - **Search**: Find panels that are either installed or available to install.
  - **Care report**: Review information about the restart history and charging and temperature tips.
  - **More options** > **Settings**:
    - **Show Device care on Apps screen**: Display the icon for Device care on the Apps screen.
    - **About Device care**: Display version and license information about the Device care feature.
    - **Contact us**: Contact Samsung support through Samsung members.
  - **Performance profile**: Select a profile to control the performance and battery life of your device.
  - **Auto optimization**: Automatically restart when needed to keep it in the best condition.
  - **Software update**: Check for software updates.
  - **Diagnostics**: Review the status of the screen, sensors, charging, and more.
  - **Maintenance mode**: Turn on Maintenance mode to protect your privacy while someone else is using your device, such as when it is being repaired.

DRAFT–FOR INTERNAL USE ONLY

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 Settings, tap **General management** > **Language**.
2. Tap **Add language**, and select a language from the list.
3. Tap **Set as default** to change the device language.
   - To switch to another language on the list, tap the desired language, and then tap **Apply**.

App languages

Choose which language each app uses by default.

1. From Settings, tap **General management** > **App languages**.
2. Tap an app to change the default language.

Language packs

Manage and download language packs used for voice input, text-to-speech, and translations.

1. From Settings, tap **General management** > **Language packs**.
2. Tap a language pack to download or update.

DRAFT–FOR INTERNAL USE ONLY

Date and time

By default, your device receives date and time information from the wireless network. Outside of network coverage, you can set the date and time manually.

- From Settings, tap **General management** > **Date and time**. The following options are available:
  - **Automatic date and time**: Receive date and time updates from your 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.
  - **Automatic time zone**: Use the time zone provided by your mobile network. When Automatic time zone is disabled, the following option is available:
    - **Select time zone**: Choose a new time zone.
  - **Set time zone based on location**: Receive time updates based on your location.
  - **Use 24-hour format**: Set the format for displaying time.

Keyboard

Change your default keyboard, modify built-in keyboards, and change keyboard settings.

- From Settings, tap **General management** > **Keyboard** for the following options:
  - **Default keyboard**: Choose a default keyboard for your device's menus and keyboards.
  - **Samsung keyboard**: Modify settings for the Samsung keyboard.
  - **Google voice typing**: Modify settings for Google Voice input.
  - **Keyboard button on navigation bar**: Enable a button on the Navigation bar to quickly switch between keyboards.

DRAFT–FOR INTERNAL USE ONLY

Physical keyboards

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

1. From Settings, tap **General management**.
2. 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.
   - **Change language shortcut**: Enable or disable language key shortcuts for your physical keyboard
   - **Customize keys**: Configure the Caps lock, Control, Command, and Alt keys.

Mouse and trackpad

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

- From Settings, tap **General management** > **Mouse and trackpad**.
  - **Pointer speed**: Drag the slider to the right to go faster or to the left to go slower.
  - **Wheel scrolling speed**: Drag the slider to the right to scroll faster or to the left to scroll slower.
  - **Enhance pointer precision**: Enable to make the mouse cursor move faster or slower depending on how fast you move your mouse.
  - **Pointer size and color**: Change the size and color of the mouse pointer.
  - **Primary mouse button**: Choose either the **Left** or **Right** mouse button to be your primary button.
  - **Secondary button**: Choose the action of your secondary mouse button.
  - **Middle button**: Choose the action of your middle mouse button.
  - **Additional button 1**: Choose an action for another available mouse button.
  - **Additional button 2**: Choose an action for another available mouse button.

DRAFT–FOR INTERNAL USE ONLY

Troubleshooting

You can check for software updates and, if necessary, reset services on your device.

Software update/System updates

Check for and install available software updates for your device. Options may vary by service provider.

- From Settings, tap **Software update/System updates**, and then tap an available update option.

Reset

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

Backup your data

You can configure your device to back up data to your personal accounts.

- From Settings, tap **General management** > **Reset** and tap an option under **Back up your data**:
  - **Temporary cloud backup**: Back up unlimited data to Samsung Cloud for up to 30 days or restore data you have backed up.
  - **External storage backup**: Back up your data to an SD card or USB storage device, or restore backup data using Smart Switch.

Reset all 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 Settings, tap **General management** > **Reset** > **Reset all settings**.
2. Tap **Reset settings**, and confirm when prompted.

DRAFT–FOR INTERNAL USE ONLY

Reset mobile network settings

You can reset mobile data settings with Reset network settings.

1. From Settings, tap **General management** > **Reset** > **Reset mobile network settings**.
2. Tap **Reset settings**, and confirm when prompted.

Reset Wi-Fi and Bluetooth settings

You can reset Wi-Fi and Bluetooth settings.

1. From Settings, tap **General management** > **Reset** > **Reset Wi-Fi and Bluetooth settings**.
2. Tap **Reset settings**, and confirm when prompted.

Reset accessibility settings

You can reset device accessibility settings. Accessibility settings in downloaded apps and your personal data are not affected.

1. From Settings, tap **General management** > **Reset** > **Reset accessibility settings**.
2. 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.

If you sign in to a Google Account on your device and set a Lock screen, Google Device Protection is automatically enabled.

NOTE If you reset your Google Account password, it can take 24 hours for the password reset to sync with all devices registered to the account.

DRAFT–FOR INTERNAL USE ONLY

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 Settings, tap **General management** > **Reset** > **Factory data reset**.
2. Tap **Reset** and follow the prompts to perform the reset.
3. When the device restarts, follow the prompts to set up your device.

Google Device Protection

When you sign in to a Google Account on your device and set a Lock screen, Google Device Protection is enabled. This service protects your device from unauthorized factory data resets by requiring your Google account information to verify your identity. Learn more: **samsung.com/us/support/answer/ANS00083965**

Enable Google Device Protection

Adding a Google Account to your device and setting a Lock screen automatically activates Google Device Protection.

Disable Google Device Protection

To disable Google Device Protection, you can either remove all Google Accounts from the device or remove the Lock screen.

To remove Google accounts:

1. From Settings, tap **Accounts and backup** > **Manage accounts** > **[Google Account]**.
2. Tap **Remove account**.

To remove a secure Lock screen:

1. From Settings, tap **Lock screen and AOD** > **Screen lock and biometrics**.
2. Tap either **Swipe** or **None**.

DRAFT–FOR INTERNAL USE ONLY

Customization service

Samsung devices, apps and services are designed to provide you with customized services by predicting your desires and needs in a smart and intelligent manner. Samsung's Customization Service provides an enhanced user experience, including customized content and recommendations, based on the information obtained about you and your use of Samsung's services.

- From Settings, tap **General management** > **Customization service**.

Accessibility

There are accessibility settings for people who need help seeing, hearing, or otherwise operating their device. Accessibility services allow you to configure your device to your requirements.

For more information about Accessibility for Samsung products, please contact us at: **accessibility@sea.samsung.com**

Recommended for you | Vision enhancements | TalkBack | Hearing enhancements | Interaction and dexterity | Advanced settings | Installed apps | About Accessibility | Contact us

Recommended for you

Access a list of accessibility features that you are using and some recommended features you may want to enable.

- From Settings, tap **Accessibility** > **Recommended for you** to review recommendations.

DRAFT–FOR INTERNAL USE ONLY

Vision enhancements

You can configure Accessibility features to assist with visual aspects of your device.

Colors and clarity

You can adjust the colors and contrast of text and other screen elements.

- From Settings, tap **Accessibility** > **Vision enhancements** and tap an option:
  - Choose an available display mode and tap **Apply**:
    - **Default**: Default display mode.
    - **High contrast**: Dark mode, High contrast fonts, High contrast keyboard, Remove animations, and Reduce transparency and blur are turned on.
    - **Enlarge display**: Font size and Screen zoom are increased and Bold font and Highlight buttons are turned on.
  - **High contrast theme**: Adjust colors and screen fonts to increase the contrast.
  - **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.
  - **Highlight buttons**: Show buttons with shaded backgrounds to make them stand out better against the wallpaper.
  - **Relumino outline**: Add strong outlines to objects in pictures and videos for better visibility.
  - **Color inversion**: Reverse the display of colors from white text on a black background to black text on a white background.
  - **Color correction**: Adjust the color of the screen if you find it difficult to perceive some colors.
  - **Color filter**: Adjust the screen colors if you have difficulty reading the text.
  - **Reduce animations**: Reduce certain screen effects if you are sensitive to motion.

DRAFT–FOR INTERNAL USE ONLY

- **Reduce transparency and blur**: Reduce visual effects on dialogs and menus.
- **Extra dim**: Dim the screen beyond the minimum brightness setting. Tap for additional options.

Size and zoom

You can increase the size of supported screen elements and create shortcuts for accessibility features on your device.

- From Settings, tap **Accessibility** > **Vision enhancements** and tap an option:
  - **Magnification**: Use exaggerated gestures such as triple-tapping, double pinching, and dragging two fingers across the screen.
  - **Magnifier**: Magnify your surroundings using the camera.
  - **Cursor thickness**: Drag the cursor thickness slider to customize.
  - **Pointer size and color**: Use a large pointer for a connected mouse or touchpad (accessories not included).
  - **Font size and style**: Configure screen fonts.
  - **Screen zoom**: Configure the screen zoom level.

Spoken assistance

Use special controls and settings that provide spoken assistance to navigate your device.

1. From Settings, tap **Accessibility** > **Vision enhancements**.
2. Tap to enable the feature, and tap an option to customize:
   - **Speak keyboard input aloud**: The device will read aloud what you type on the keyboard.
   - **Audio description**: If available, automatically choose the audio soundtrack with an audio description while watching videos.
   - **Bixby Vision for accessibility**: Add modes to read text aloud, describe scenes, detect colors, and more.
   - **Voice Label**: Write voice recordings to NFC tags (not included) to provide you with information about objects or locations as you near them.

DRAFT–FOR INTERNAL USE ONLY

TalkBack

Use special controls and settings that let you navigate using your voice.

1. From Settings, tap **Accessibility** > **TalkBack**.
2. Tap to enable the feature, and tap an option to customize:
   - **TalkBack shortcut**: Choose a shortcut to quickly turn on TalkBack.
   - **Settings**: Configure TalkBack settings to better assist you.
   - **App info**: Review TalkBack app information such as the version number.

Hearing enhancements

You can configure settings to help you interact with your device's sounds, including captioning, sound balance, and hearing aid support. Options may vary by service provider.

- From Settings, tap **Accessibility** > **Hearing enhancements** and tap an option:
  - **Real time text**: Activate real-time text (RTT) calling.
  - **Live Transcribe**: Use the microphone to record speech and convert it to text.
  - **Live Caption**: Automatically caption speech in media played on your device.
  - **Caption preference**: Configure closed caption and subtitle services.
  - **Hearing aid support**: Improve the sound quality to work better with hearing aids.
  - **Sound notifications**: Receive alerts when the device detects a baby crying or a doorbell.
  - **Amplify ambient sound**: Enable this feature and connect headphones to your device to amplify the sounds of conversations.
  - **Adapt sound**: Customize the sound for each ear and enhance your listening experience.
  - **Mute all sounds**: Turn off all notifications and audio for privacy.
  - **Mono audio**: Switch audio from stereo to mono.
  - **Left/right sound balance**: Use the sliders to adjust the left and right balance for connected audio and device speakers.

DRAFT–FOR INTERNAL USE ONLY

Interaction and dexterity

You can configure Accessibility features to assist with limited dexterity when interacting with your device.

Alternate input

You can control your device using different kinds of inputs and controls.

- From Settings, tap **Accessibility** > **Interaction and dexterity** and tap an option:
  - **Universal switch:** Control your device with your customized switches.
  - **Assistant menu:** Improve device accessibility for users with reduced dexterity.
  - **Voice Access:** Use voice commands to open apps, tap buttons, scroll, type, and more.

Interactions

You can simplify the motions needed to answer phone calls or respond to notifications and alarms.

- From Settings, tap **Accessibility** > **Interaction and dexterity** and tap an option:
  - **Answering and ending calls:**
    - **Gesture to answer calls:** Select a gesture to use for answering calls.
    - **Answer using speaker:** Use speaker by default when there is no headset or Bluetooth device connected.
    - **Read caller names aloud:** Hear callers' names read aloud when using Bluetooth or headsets (sold separately).
    - **Answer automatically:** Answer calls after a set duration when using Bluetooth or headsets (sold separately).
    - **Press Volume up to answer calls:** Use the Volume buttons to answer calls.
    - **Press Side button to end calls:** End calls by pressing Side button.
  - **Interaction control:** Customize areas of screen interactions, buttons, and the keyboard.

DRAFT–FOR INTERNAL USE ONLY

Touch settings

You can adjust your screen to be less sensitive to taps and touches.

- From Settings, tap **Accessibility** > **Interaction and dexterity** and tap an option:
  - **Touch and hold delay:** Select a time interval for this action.
  - **Tap duration:** Set how long an interaction must be held to be recognized as a tap.
  - **Ignore repeated touches:** Set a time duration in which to ignore repeated touches.

Mouse and physical keyboard

Configure settings for a connected mouse and physical keyboard.

- From Settings, tap **Accessibility** > **Interaction and dexterity** and tap an option:
  - **Auto action after pointer stops:** Automatically click an item after the pointer stops over it.
  - **Sticky keys:** When you press a modifier key like Shift, Ctrl, or Alt, the key stays pressed down, which allows you to enter keyboard shortcuts by pressing one key at a time.
  - **Slow keys:** Set how long a key must be held before it is recognized as a press, which helps avoid accidental key presses.
  - **Bounce keys:** Set how long to wait before accepting a second press from the same key, which helps avoid accidentally pressing the same key multiple times.
  - **Mouse keys:** Use your keyboard to control the pointer.

DRAFT–FOR INTERNAL USE ONLY

Advanced settings

You can customize additional accessibility features and services for your device.

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

Accessibility shortcuts

Customize your accessibility shortcuts.

- From Settings, tap **Accessibility** > **Advanced settings** and tap an option:
  - **Quick panel buttons:** Choose buttons to add to the Quick settings panel.
  - **Accessibility button:** Choose an accessibility shortcut for the Accessibility button.
  - **Side and Volume up buttons:** Configure selected Accessibility features to open by quickly pressing Side and Volume up buttons at the same time.
  - **Volume up and down buttons:** Configure selected services to turn on when you press and hold the Volume up and Volume down buttons for three seconds.

Notifications

Choose how notifications are displayed.

- From Settings, tap **Accessibility** > **Advanced settings** and tap an option:
  - **Flash notification:** Flash either the camera light or the screen when you receive notifications or when alarms sound.
  - **Time to take action:** Choose how long to show messages that ask you to take action, but are visible only temporarily (like notifications).

Backup

You can save your settings for Samsung TVs and appliances.

- From Settings, tap **Accessibility** > **Advanced settings** > **Back up settings to use with Samsung TVs and appliances.**

DRAFT–FOR INTERNAL USE ONLY

Installed apps

You can install additional assistance services for your device.

- From Settings, tap **Accessibility** > **Installed apps**.

NOTE Additional accessibility services are listed and configured here after they are installed.

About Accessibility

Legal and license information about the current Accessibility software is available in Settings.

- From Settings, tap **Accessibility** > **About Accessibility**. The following information is available:
  - **Version**: Check the current Accessibility software version.
  - **Open source licenses**: Review information for the open source licenses used for Accessibility.

Contact us

If you have any questions or problems while using your device, contact Samsung support through Samsung Members. Access community forums, error reports, remote support and more (if supported by your service provider).

- From Settings, tap **Accessibility** > **Contact us**.

DRAFT–FOR INTERNAL USE ONLY

Other settings

Configure other features and learn more about your device.

Labs | Game booster settings | Galaxy Avatar | Dual Messenger | Tips and user guide | About phone

Labs

Try experimental features. Some features may not work correctly with all apps.

1. From Settings, tap **Advanced features** > **Labs**.
2. Tap to enable an experimental feature.

Game booster settings

Configure options, including performance monitoring and blocking the Navigation bar, screen touches, and screenshots.

- From Settings, tap **Advanced features** > **Game booster settings**.

Galaxy Avatar

Create your own avatar using your Galaxy. You can create a card for your profile, create stickers, and videos with your avatar.

1. From Settings, tap **Advanced features** > **Galaxy Avatar**.
2. Tap **Create new avatar** and follow the prompts to get started.

Dual Messenger

Use two separate accounts for the same app.

1. From Settings, tap **Advanced features** > **Dual Messenger**.
2. Tap next to supported apps to enable the feature for each app.
   - To select which contacts have access to the secondary messenger app, tap **Use separate contacts list**.

DRAFT–FOR INTERNAL USE ONLY

Tips and user guide

Review tips and techniques as well as the user guide for your device.

- From Settings, tap **Tips and user guide**.

About phone

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

1. From Settings, tap **About phone** for your phone number, model number, serial number, and IMEI information.
2. Tap additional items for more information about your device.

TIP You can find your device's FCC ID from **About phone** > **Status information**.

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. Learn more: **samsungknox.com/en**

DRAFT–FOR INTERNAL USE ONLY

Learn more

Videos

youtube.com/samsungcare

Samsung Care+

samsung.com/us/support

Talk to an agent

Contact us on Facebook Messenger: **m.me/samsungsupport**

Find us on Facebook: **facebook.com/samsungsupport**

Follow us on X (formerly Twitter): **x.com/samsungsupport**

DRAFT–FOR INTERNAL USE ONLY

Legal information

READ THIS INFORMATION BEFORE USING YOUR MOBILE DEVICE.

Dispute Resolution Agreement - This Product is subject to a binding dispute resolution 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 or calling 1-800-SAMSUNG (726-7864) and providing the applicable information.

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

Phone:

- English: **samsung.com/us/support/legal/mobile**
- Spanish: **samsung.com/us/support/legal/mobile-sp**

This information can also be found on the device in the "About device" or "About phone" or "About tablet" section, for example:

- **Settings** > **About phone** or **About device** or **About tablet** > **Legal information** > **Samsung legal**
- Or, search "Legal"

If your device required Federal Communications Commission (FCC) approval, you can access the FCC certification by opening **Settings** > **About phone** or **About device** or **About tablet** > **Status information.**

DRAFT–FOR INTERNAL USE ONLY

Restricting children's access to your mobile device

Your mobile device is not a toy. Do not allow children under the age of 3 to play with it because they could hurt themselves or others or damage the device. If parents choose to allow children 3 or older to use the device, they should make sure that there is adequate supervision to guard against injury or damage and use of services that may increase data costs or other charges.

Parental control settings should be enabled to ensure that children do not have access to services or content not approved by the parent. Routinely check this device to ensure it is working properly and is safe for children to use.

Samsung Electronics America, Inc.

Address:

700 Sylvan Avenue
Englewood Cliffs, NJ 07632

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

Internet: **samsung.com**

©2026 Samsung Electronics Co., Ltd. Other company and product names mentioned herein may be trademarks of their respective owners.

Manufactured under license from Dolby Laboratories. Dolby, Dolby Atmos, and the double-D symbol are trademarks of Dolby Laboratories.

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.

Descriptions are based on the device's default settings. Some content may differ depending on carrier, model, or software.

DRAFT–FOR INTERNAL USE ONLY

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

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

DRAFT–FOR INTERNAL USE ONLY

Health and Safety

WARNING! 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.

Maintaining dust and water resistance

The device is not impervious to dust and water damage in any situation. It is important that all compartments are closed tightly.

Follow these tips carefully to prevent damage to the device and maintain dust and water resistance performance:

- Water resistant based on IP68 rating, which tests submersion in fresh water deeper than 1.5 meters or keep it submerged for more than 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.
- 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.
- If the device has been immersed in water or the microphone or speaker is wet, sound may not be heard clearly during a call. After wiping the device with a dry cloth, dry it thoroughly before using it.
- 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.

Note: 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.

Samsung Knox

Samsung Knox is Samsung’s security platform. Additional licensing fees may be required for enterprise use. For more information about Knox, please refer to: www.samsung.com/us/knox

Specific Absorption Rate (SAR) certification information

For information about SAR, visit :

- https://www.fcc.gov/general/radio-frequency-safety-0
- www.fcc.gov/encyclopedia/

specific-absorption-rate-sar-cellular-telephones

- www.samsung.com/sar

Body-worn operations are restricted to belt-clips, holsters or similar accessories that have no metallic component in the assembly and must provide at least 0.5cm separation between the device and the user's body.

Samsung Wireless Power Sharing feature allows device -to -device charging without the need for a charger.
If your device supports the wireless power sharing function, this equipment should be operated with a minimum distance of 20 cm between the device and your body.

Note: Foldable devices can be stored in an environment with ambient temperatures of -10°C / 14.0°F to 50°C / 122°F safely; prolonged exposure to temperatures outside these recommended temperatures can pose a high risk of damage to the device.

Samsung mobile products and recycling

WARNING! Never dispose of batteries in a fire because they may explode. Do not disassemble, crush, puncture, heat, burn or reuse.

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

For more recycling information, go to our website: www.samsung.com/recycling or call 1-800-SAMSUNG.

Your location

Location-based information on that can be used to determine the approximate location of a mobile device. If you use applications that require location-based information (e.g., driving directions), such information may be shared with third-parties, including your wireless service provider, applications providers, Samsung, and other third-parties providing services.

Navigation

Maps, directions, and other navigation data, including data relating to your current location, may contain inaccurate or incomplete

data. Therefore, you should always pay attention to road conditions,

closures, traffic, and all other factors that may impact safe driving

or walking.

FCC Part 15 Information and Notices

. Note: Any device that uses Bluetooth or Wi-Fi is subject to FCC Part 15. Any device with a power supply is subject to Part 15 which also covers both intentional radiators (Bluetooth and Wi-Fi) and unintentional radiators (such as emissions from power supplies and circuit boards).

Pursuant to part 15.21 of the FCC Rules, you are cautioned that changes or modifications not expressly approved by Samsung

could void your authority to operate the device. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

. Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the mobile device if such interference cannot be eliminated.

GPS & AGPS

Certain Samsung Mobile Devices can use a Global Positioning System (GPS) signal for location-based applications. Changes may affect the performance of location-based technology on your mobile device.

Certain Samsung Mobile Devices can also use an Assisted Global Positioning System (AGPS), which obtains information from the cellular network to improve GPS performance. Contact your wireless service provider for details.

Use of AGPS in emergency calls

When you make an emergency call, the cellular network may activate AGPS technology in your mobile device to tell the emergency responders your approximate location.

AGPS has limitations and might not work in your area.

Wireless Emergency Alerts (WEA)

The Wireless Emergency Alerts (WEA) is part of the US emergency system. Since 2012, the WEA system been used to warn the public weather condition, missing children, and other critical situations

– all through alerts on compatible cell phones and other mobile devices. For more information visit: https://www.fcc.gov/document/fcc-renames-cmas-wireless-emergency-alerts-wea

Emergency calls

Emergency calls may not be possible on all wireless mobile device networks or when certain network services and/or mobile device features are in use. Check with local service providers. If certain features are in use (e.g. call blocking) you may first need to deactivate those features before you can make an emergency call.

Device temperature

Caution! Some applications or prolonged usage may increase device temperature.

If the device feels hot to the touch, discontinue use and close all applications or turn off the device until it cools.

Always ensure that the device has adequate ventilation and air flow. Covering the device can trap any dissipating heat and redirect it back to the device while it is active.

©2020 Samsung Electronics America, Inc. Samsung is a registered trademark of Samsung Electronics Co., Ltd.

HAC for Newer Technologies

This device has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this device that have not been tested yet for use with hearing aids. It is important to try the different features of this device thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise.

Consult your service provider or the manufacturer of this device for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or device retailer.

FCC Hearing Aid Compatibility (HAC) regulations for wireless devices

The FCC established requirements for devices to be compatible with hearing aids and other hearing devices. For more information, visit https://www.fcc.gov/consumers/guides/hearing-aid-compatibility-wireline-and-wireless-telephones

This phone has been tested and certified to be hearing aid-compatible with the ANSI C63.19-2019 standard.

ANSI C63.19-2019 standard does not use the M and T rating system of previous standards. Phones that are certified to be hearing aid-compatible meet all normative requirements of the standard.

Volume control capabilities

FCC ID: A3LSMA176U

Conversational gain with hearing aids: 13 dB

Conversational gain without hearing aids: 14 dB

Note: Conversational gain is the acoustic output level of speech from this handset relative to the acoustic level present in a face-to-face conversation between two people 1 meter apart.
This phone is hearing-aid compatible and has been volume control tested pursuant to FCC waiver DA 25-759.

Codec and air interface combinations that have passed frequency response, and distortion/noise tests.

Codec	Air Interface
EVS-NB 24.4 kbps, EVS-WB 24.4 kbps	VoLTE, VoNR, VoWiFi

Codec and air interface combinations that have passed conversational gain tests.

Codec	Air Interface
FR V1, FR V2, HR V1	GSM
AMR-NB 4.75~12.2 kbps, AMR-WB 6.6~23.85 kbps	WCDMA
AMR-NB 4.75~12.2 kbps, AMR-WB 6.6~23.85 kbps, EVS-NB 5.9~24.4 kbps, EVS-WB 5.9~24.4 kbps	VoLTE, VoNR, VoWiFi

Codec and air interface combinations that have not been tested.

Codec	Air Interface
EVS-SWB 9.6~24.4 kbps	VoLTE, VoNR, VoWiFi
OPUS 6~75 kbps (Google Meet)	All air interface