SAMSUNG

SMARTPHONE

User Manual

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

Galaxy S8 Active

Table of Contents

Special Features 1

Hello Bixby 2

Flexible Security 2

Water and Dust Resistance 3

Getting Started 4

Set Up Your Device 5

Assemble Your Device 6

Start Using Your Device 10

Learn About Your Device 14

Front View 15

Back View 17

Navigation 18

Home Screen 22

Customize Your Home Screen 24

Notification Panel 29

Bixby 32

Always On Display 34

Face Recognition 36

Fingerprint Scanner 37

Iris Scanner 39

Multi Window 41

Enter Text 43

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Emergency Mode 46

Apps 48

Use Apps 49

Apps Settings 52

Activity Zone 54

Calculator 55

Calendar 57

Camera and Video 60

Clock 66

Contacts 69

Email 77

Emergency Zone 80

Galaxy Apps 81

Gallery 82

Google Apps 87

Internet 90

Messages 94

My Files 99

Phone 101

Samsung Connect 111

Samsung Gear 111

Samsung Health 112

Samsung Notes 114

Samsung Pay 116

Samsung+ 119

Secure Folder 119

Smart Switch 119

Settings 120

How to Use Settings 121

Connections 122
Wi-Fi 123
Bluetooth 126
Phone Visibility 128
Data Usage 128
Airplane Mode 131
NFC and Payment 131
Mobile Hotspot 133
Tethering 135
Mobile Networks 136
Location 136
Nearby Device Scanning 138
Printing 138
MirrorLink 139
Virtual Private Networks 139
Ethernet 141
Sounds and Vibration 142
Sound Mode 143
Easy Mute 143
Vibrations 143
Volume 144
Ringtone 146
Notification Sounds 146
Do Not Disturb 147
System Sounds 147
Key-Tap Feedback 148
Sound Quality and Effects 148
Separate App Sound 149
Notifications 150
Block App Notifications 151

Customize App Notifications 151
Smart Alert 151
Display 152
Screen Brightness 153
Blue Light Filter 153
Screen Mode 154
Screen Resolution 154
Screen Zoom and Font 155
Full Screen Apps 155
Easy Mode 156
Icon Frames 156
LED Indicator 156
Status Bar 157
Screen Timeout 157
Keep Screen Turned Off 157
Screen Saver 158
Smart Stay 158
One-Handed Mode 159
Device Maintenance 160
Quick Optimization 161
Battery 161
Performance Mode 162
Storage 162
Memory 164
Language and Input 165
Date and Time 168
Report Diagnostic Information 168
Reset 169
Factory Data Reset 170
Software Update 171

Lock Screen and Security 172
Screen Lock Types. 173
Lock Screen and AOD Settings 174
Samsung Pass 175
Find My Mobile 175
Unknown Sources 176
Secure Folder 176
Secure Startup. 176
Encrypt SD Card 176
View Passwords. 177
Security Update Service 177
Device Administration 177
Credential Storage 178
Advanced Security Settings 178
Accounts 180
Samsung Cloud 181
My Profile 182
Add an Account 182
Backup and Restore 184
Google Settings. 185
Accessibility 186
Vision 187
Hearing 188
Dexterity and Interaction 189
More Accessibility Settings 190
Accessibility Services. 190
Other Settings 191
Help 192
Manage Game Features 192

Device Assistance App 192

About Phone 193

Getting Help 194

Videos 195

Simulators 195

Tips 195

Samsung Care 195

Legal 196

Legal Information 197

Special Features

Learn about your mobile device’s special features.

Hello Bixby

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

For more information, see "Bixby" on page 32.

Flexible Security

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

Face Recognition

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

For more information, see "Face Recognition" on page 36.

Fingerprint Scanner

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

For more information, see "Fingerprint Scanner" on page 37.

Iris Scanner

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

For more information, see "Iris Scanner" on page 39.

Water and Dust Resistance

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

For more information, see **"Maintaining Water and Dust Resistance" on page 201**.

Getting Started

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

Set Up Your Device

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

Assemble Your Device

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

Install the SIM Card and a Memory Card

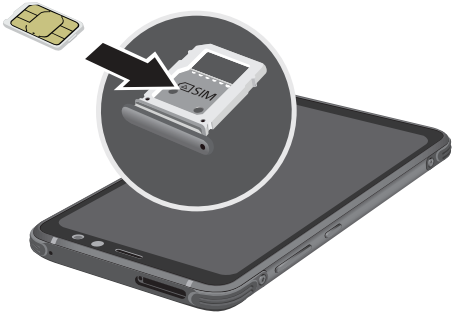
When you subscribe to a cellular network, you are provided with a SIM card. You may be able to use your previous SIM card. Contact your service provider for more details.

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

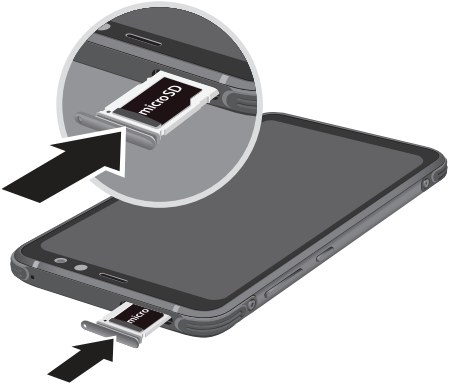
You can also install an optional microSD™ memory card (not included) to add more memory space to your device. A memory card can be installed at any time. It is not necessary to install it prior to using the device.

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

1. Insert the removal tool into the hole on the SIM card/Memory card tray, and then push until the tray pops out.
2. Turn the tray over and place the SIM card in the bottom of the tray.
   - Make sure that the card's gold contacts face outward and that the card is positioned as shown.



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



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

Note: Your device is IP68 rated for dust and water resistance. To maintain the water-resistant and dust-resistant features of your device, make sure that the SIM card/Memory card tray openings are maintained free of dust and water, and the tray is securely inserted prior to any exposure to liquids. For more information, see "Maintaining Water and Dust Resistance" on page 201.

Charge the Battery

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

Note: You should dry the inside of the charging port before inserting a power connector to charge your device. If the charging port is not fully dry, your device may operate abnormally. For example, it may charge more slowly or overheat. For more information, see "Maintaining Water and Dust Resistance" on page 201.

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

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

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

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

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

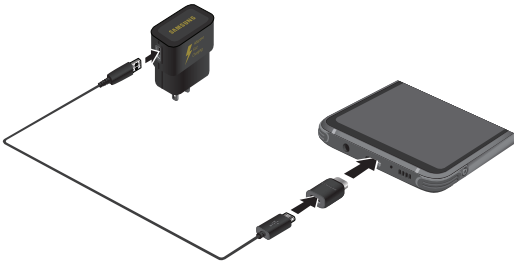
The charger may stop charging if the battery becomes too hot.

If the device heats up while charging the battery:

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

Micro-USB Connector

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



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

Start Using Your Device

Turn Your Device On or Off

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

To turn the device on:

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

To turn the device off:

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

Use the Setup Wizard

The first time you turn your device on, the Setup Wizard guides you through the basics of setting up your device.

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

Lock or Unlock Your Device

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

To lock the device:

► Press the **Power** key.

The default Screen lock on your device is Swipe.
To choose a more secure screen lock, see "Set a Secure Screen Lock" on page 173.

To unlock the device:

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

Add a Google Account

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

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

Note: When you sign in to a Google Account, Factory Reset Protection (FRP) is activated. FRP requires your Google Account information when resetting to factory settings. For more information, see "Factory Data Reset" on page 170.

Add a Samsung Account

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

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

Add an Email Account

View and manage all your email accounts.

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

Transfer Data from Your Old Device

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

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

To use Smart Switch:

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

Visit samsung.com/smartswitch for more information and to learn how to use the USB connector to transfer content faster.

Set Up Your Voicemail

You can access your voicemail from a Home screen.

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

For more information on voicemail, see "Voicemail" on page 108.

Learn About Your Device

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

Front View

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

- **Proximity sensor**
  - Turns off the screen and disables touch functionality when the device is in close proximity to the body.
  - Turns the screen back on and enables touch functionality when the device is outside a specific range from the body.
- **Power key**
  - Press to turn the screen on or off.
  - Press and hold to select a power control option.
  - Press twice quickly to launch the camera.
- **Volume keys**
  - Adjust the volume for ringtones, calls, notifications, and system sounds.
  - In the camera app, press a volume key to take a photo.
- **Bixby key**
  - Launch the Bixby voice assistant. For more information, see "Bixby" on page 32.

Back View

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

Navigation

Learn the basics for navigating through your device.

Touchscreen Navigation

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

Tap

Lightly tap items to select or launch them.

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

Double-Tap

Lightly tap items twice to select or launch them.

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

Touch and Hold

Touch and hold items on the screen to activate them.

- Touch and hold a field to display a pop-up menu of options.

Swipe

Lightly drag your finger vertically or horizontally across the screen.

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

Drag

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

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

Pinch and Spread

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

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

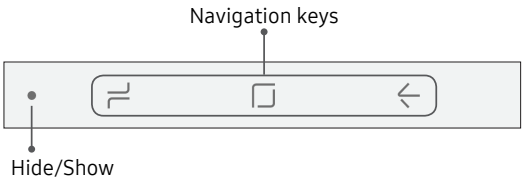
Common Options

The device uses basic command options to perform common actions.

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

Navigation Bar

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



Fullscreen Mode

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

To enter or exit full screen mode:

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

To view the navigation keys in full screen mode:

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

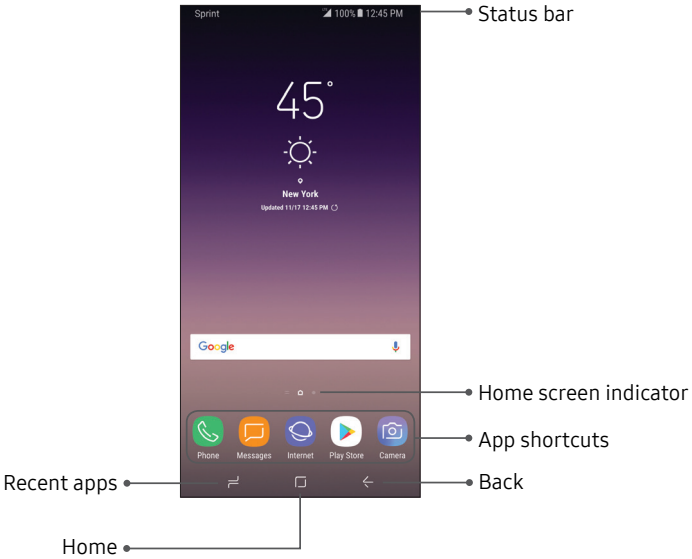
Navigation Bar Settings

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

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

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

Home Screen



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Status Bar

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

Status Icons

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

Notification Icons

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

Customize Your Home Screen

Screens

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

1. From a Home screen, pinch the screen.
2. Use these options to manage screens:
   - To align shortcuts into a line at the top of a screen, tap **Align top**.
   - To align shortcuts into a line at the bottom of a screen, tap **Align bottom**.
   - To remove a Home screen, tap **Remove**.
   - To set a screen as the main Home screen, tap **Main**. This screen is displayed when you tap **Home**.
   - To change the order of screens, touch and hold a screen, and then drag it to a new position.
   - To add a screen, swipe to the end of the screens, and then tap **Add**.
   - To enable Bixby Home, swipe right, and then tap **On/Off**.

App Shortcuts

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

To add a shortcut:

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

To remove a shortcut:

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

To move a shortcut from one Home screen to another:

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

Wallpapers

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

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

Themes

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

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

Icons

Apply custom icons to replace built-in app icons.

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

Widgets

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

To add a widget to a Home screen:

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

To remove a widget from a Home screen:

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

Home Screen Settings

Customize your Home and Apps screens.

1. From a Home screen, pinch the screen.
2. Tap **Home screen settings** to customize:
   - **Home screen layout**: Set your device to have a Home and Apps screen, or only a Home screen where all apps are located.
   - **Home screen grid**: Choose a dimension option to determine how icons are arranged on the Home screen.
   - **Apps screen grid**: Choose a dimension option to determine how icons are arranged on the Apps screen.
   - **Apps button**: Add an apps button to the Home screen for easy access to the Apps screen.
   - **Quick-open notification panel**: Enable this feature to open the Notification panel from the Home screen by swiping down.

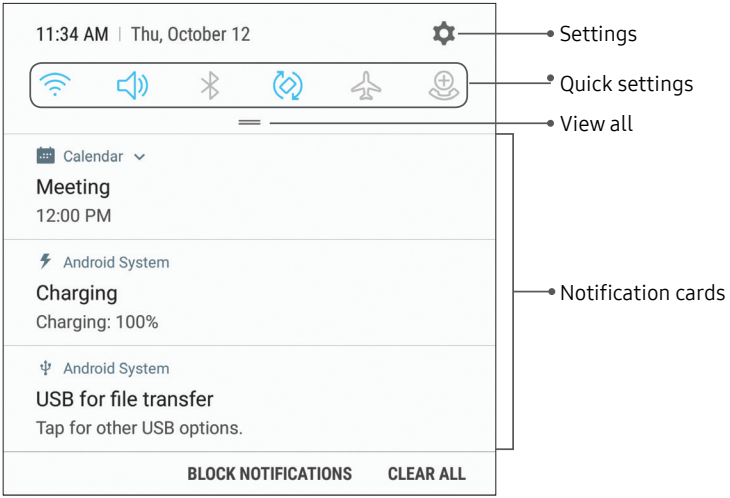
- **Hide apps**: Select apps to hide.
- **About Home screen**: View version information.

Use Folders

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

For more information, see "Create and Use Folders" on page 51.

Notification Panel



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

View the Notification Panel

You can access the Notification panel from any screen.

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

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

To open using the Fingerprint scanner:

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

Quick Settings

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

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

Bixby

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

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

Bixby Home

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

► From a Home screen, swipe right.

– or –

Press the **Bixby** key.

Customize Bixby

Customize Bixby settings and learn how to use Bixby.

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

Bixby Voice Assistant

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

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

Bixby Vision

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

Camera

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

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

Gallery

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

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

Always On Display

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

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Settings** > **Lock screen and security** > **Always On Display**.
3. Tap **On/Off** to enable the feature, and then set the following options:
   - **Content to show**: Choose to show **Home**, a clock, or information.
   - **Clock style**: Select a layout for the standby screen. This option is not available if you choose **Home button only**.
   - **Show always**: Enable to show the AOD at all times.
     - **Set schedule**: If you disable Show always, set a schedule for when to start and end the AOD.
   - **About Always On Display**: View the current software version and license information.

Some display settings can be displayed on both the Lock screen and AOD. For more information, see "Lock Screen and AOD Settings" on page 174.

AOD Themes

Apply custom themes for AOD.

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

Face Recognition

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

Register a Face

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

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

Face Recognition Settings

Customize how face recognition works.

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

Fingerprint Scanner

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

Register a Fingerprint

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

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

Fingerprint Management

Add, delete, and rename fingerprints.

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

Fingerprint Verification

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

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

Iris Scanner

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

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

For more information, refer to the online support content or visit samsung.com/us/irisscanner.

Register Irises

Register your irises for identity verification.

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

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

Iris Verification

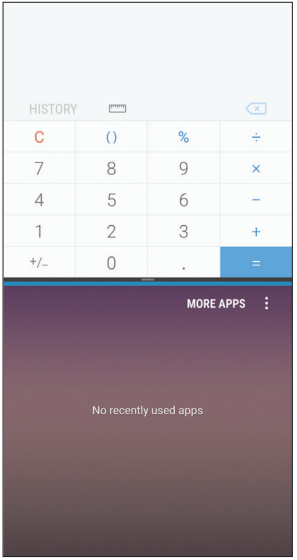
Iris verification can be used for other accounts accessed from your device.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Settings** > **Lock screen and security** > **Iris scanner** for the following options:
   - **Remove iris data**: Delete registered irises.
   - **Preview screen mask**: Display a mask when using iris verification.
   - **Samsung Pass**: Use your irises for identification when using supported apps.
   - **Samsung account**: Use your irises for identification when logging into your Samsung account.
   - **Samsung Pay**: Use your irises for identification when using the Samsung Pay app.
   - **Iris unlock**: Use your irises for identification when unlocking your device.
   - **Iris unlock when screen turns on**: Use your irises for identification when unlocking your phone as soon as the screen turns on.
   - **Tips for using iris recognition**: View a tutorial on how to use the iris scanner.

Multi Window

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

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



Window Controls

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

► Tap the middle of the window border to display the following options:

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

Multi Window Settings

Additional features are available for Multi window.

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

Enter Text

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

► Tap a text field to display the Samsung keyboard.

- Tap !#☺ **Symbol** to insert symbols.

Option Keys

Use these special keys when entering text.

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

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

Note: The Options key displays the last option used.

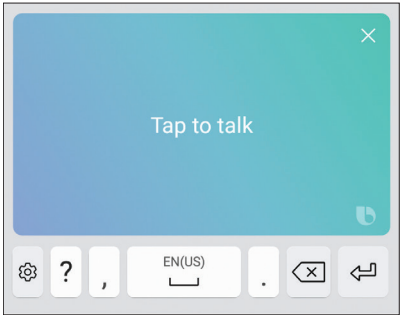
Configure the Samsung Keyboard

Set customized options for the Samsung keyboard.

1. Tap and hold **Options** on the Samsung keyboard.
2. Tap **Keyboard settings** for options:
   - **Languages and types**: Set the keyboard type and choose which languages are available on the keyboard.
     - To switch between languages, slide the Space bar sideways.
   - **Smart typing**: Use predictive text and correct common typing mistakes to improve input.
   - **Customization**: Use alternative characters, text shortcuts, change the keyboard size, or use a high contrast keyboard.
   - **Other settings**: Reset keyboard settings, clear personalized data, and view information about the Samsung keyboard.

Use Samsung Voice Input

Instead of typing, enter text by speaking.



1. Tap **Voice input** on the Samsung keyboard.
2. Tap the screen and speak your text.

Configure Samsung Voice Input

Set customized options for Samsung voice input.

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

Emergency Mode

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

To save battery power, Emergency mode:

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

Activate Emergency Mode

To activate Emergency mode:

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

Emergency Mode Features

While in Emergency mode, only the following apps and features are available on the Home screen:

- **Flashlight**: Use the device's flash as a steady source of light.
- **Emergency alarm**: Sound an audible siren.
- **Share my location**: Send your location information to your emergency contacts.
- **Phone**: Launch the call screen.
- **Internet**: Launch the Web browser.
- **Add**: Add other available apps.
  - **Email**: Launch the Email app.
  - **Maps**: Launch Google Maps™.
- **Battery charge**: Display estimated battery charge remaining.

- **Estimated usage time remaining**: Display estimated standby time that can be reached based on current battery charge and usage.
- **Emergency call**: Dial the emergency telephone number (for example, 911). This kind of call can be made even without activated cellular service.
- ⋮ **More options**:
  - **Turn off Emergency mode**: Disable Emergency mode and return to standard mode.
  - **Remove**: Choose apps to remove from the screen.
  - **Manage emergency contacts**: Manage your medical profile and ICE (In Case of Emergency) group contacts.
  - **Settings**: Configure the available settings. Only a limited number of settings are enabled in Emergency mode.

Turn Off Emergency Mode

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

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

Note: When Emergency mode is activated, Locating method is set to Battery saving. After Emergency mode is turned off, check your location settings. For more information, see "Locating Method" on page 136.

Apps

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

Use Apps

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

Access Apps

Access and launch all applications from the Apps list.

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

Add an Apps Shortcut

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

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

Download and Install New Apps

Find new apps to download and install on your device.

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

Uninstall or Disable Apps

Uninstall or disable apps you download and install.

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

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

Organize Apps

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

1. From a Home screen, swipe up to access **Apps**.
2. Tap ⋮ **More options** › **Sort**.
   - To change the order apps are listed, tap **Custom order**. Touch and hold an app shortcut or folder, and then drag it to a new location.
   - To alphabetize your apps, tap **Alphabetical order**.

Clean Up Pages

Remove empty spaces between apps.

1. From a Home screen, swipe up to access **Apps**.
2. Tap ⋮ **More options** › **Clean up pages**.

Create and Use Folders

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

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

Copy a Folder to a Home Screen

Create a folder and copy it to a Home screen.

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

Delete a Folder

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

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

Apps Settings

Manage your downloaded and preloaded apps.

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

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

Activity Zone

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

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Samsung** folder > **Activity Zone**. The following features are available:
   - **Weather**: View weather conditions for your current location or a selected location.
   - **Barometer**: Displays your elevation and atmospheric pressure.
   - **Samsung Health**: This is a shortcut to the Samsung Health app. For more information, see "Samsung Health" on page 112.
   - **Compass**: Displays the direction that your device is pointing to, and your latitude and longitude.
   - **Flashlight**: Use your device as a flashlight. You can also set it to blink and adjust the brightness.
   - **Stopwatch**: Use your device as a stopwatch. You can also set multiple lap times.

Calculator

The Calculator provides basic and advanced arithmetic functions.

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

View Calculator History

View and clear your Calculator history.

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

Convert Units of Measurement

Quickly convert units of measurement using the unit converter.

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

Scientific Calculator

The Calculator app also provides advanced arithmetic functions.

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

Calendar

Manage your events and tasks.

Add Calendars

Add existing calendars to the Calendar app.

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

Calendar View

There are several ways the calendar can be viewed.

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

Create an Event

Use your Calendar to create events.

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

Share an Event

Share events from your Calendar.

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

Delete an Event

Delete events from your Calendar.

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

Create a Task

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

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

Delete a Task

Delete tasks from your Calendar.

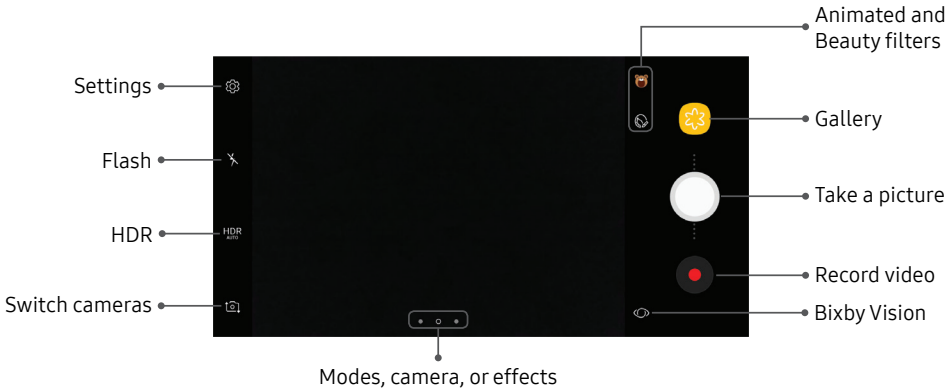
1. From a Home screen, swipe up to access **Apps**.
2. Tap **Calendar**, and tap a day on the calendar to view the tasks for the day, or tap **View** > **Tasks**.
3. Tap the **Checkbox** by the task to mark it as complete and remove it from the calendar.
   - To delete a task, tap the task to open it,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

Calendar Settings

Use Calendar settings to customize your calendar.

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

Camera and Video



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

Take Pictures

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

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

Record Videos

Record high-quality videos using your phone.

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

Configure Shooting Mode

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

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

Rear camera

- **Auto**: Allow the camera to determine the ideal mode for the picture.
- **Pro**: Manually adjust the ISO sensitivity, exposure value, white balance, and color tone while taking pictures.
- **Panorama**: Create a linear image by taking pictures in either a horizontal or vertical direction.
- **Slow motion**: Record videos at a high frame rate for viewing in slow motion. You can play a specific section of each video in slow motion after recording it.
- **Hyperlapse**: Create your own time lapse video by recording at various frame rates. The frame rate is automatically adjusted depending on the scene being recorded and the movement of the device.
- **Food**: Take pictures that emphasize the vivid colors of food.

Front camera

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

Common

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

Camera Settings

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

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

Rear camera

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

Front camera

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

Common

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

- **Storage location**: Select the memory location for storage.
  - A memory card (not included) must be installed to view Storage location. For more information, see "Install the SIM Card and a Memory Card" on page 6.
- **Voice control**: Take pictures by saying "Smile," "Cheese," "Capture," or "Shoot," or record videos by saying "Record video."
- **Floating Camera button**: Add an extra camera button that you can move anywhere on the screen in Auto and Selfie modes.
- **Volume key function**: Use the Volume key to take pictures, record video, zoom, or control system volume.
- **Shutter sound**: Play a tone when you take a picture.
- **Reset settings**: Reset the camera settings.

Clock

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

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Clock**, and tap a tab to use a feature.

Alarm

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

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Clock** > **Add alarm**.
3. Tap the following items to configure an alarm:
   - **Date**: Choose the day for this alarm.
   - **Time**: Set a time for the alarm.
   - **Repeat**: Choose when to repeat the alarm.
   - **Alarm name**: Enter a name for the alarm.
   - **Snooze**: Allow snoozing. Set interval and repeat values for the alarm while snoozing.
   - **Bixby briefing**: Enable Bixby Voice to read the current time, weather, and news aloud when the alarm rings.
   - **Alarm tone and volume**: Choose a sound to play for the alarm, and drag the slider to set the volume of the alarm.
   - **Vibration**: Choose whether the alarm uses vibration alert.
   - **Read time aloud**: Read the time aloud when the alarm rings.
4. Tap **Save** to save the alarm.

Turn Off Alarm

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

- To stop an alarm, tap **Dismiss**.
- To postpone the alarm, tap **Snooze**.

Delete an Alarm

Delete an alarm that you created.

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

World Clock

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

To list a city on the World clock screen:

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

Remove a City

To remove a city from the World clock screen:

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

Stopwatch

Time events down to a hundredth of a second.

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

Timer

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

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

Contacts

Store and manage your contacts. You can synchronize with personal accounts added to your device. For more information, see "Add an Account" on page 182.

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

Add a Contact

Use the following procedure to add a new contact.

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

Edit a Contact

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

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

Share a Contact

Share a contact by using various sharing methods.

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

Import Contacts

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

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

Export Contacts

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

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

Link Contacts

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

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

Unlink Contacts

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

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

Delete Contacts

Delete a single contact or multiple contacts.

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

Favorites

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

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

Groups

Use groups to organize your contacts.

Create a Group

Create your own contact groups.

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

Add or Remove Group Contacts

Add more contacts to a group, or remove contacts.

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

Send a Message to a Group

Send a text message to members of a group.

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

Send an Email to a Group

Send an email to members of a group.

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

Delete a Group

Delete a group you created.

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

Contacts Settings

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

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

Email

View and manage all your email accounts in one app.

To add an email account, see "Add an Email Account" on page 12.

Create and Send an Email

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

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

Manage the Inbox

There are several tools available from the Inbox screen.

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

View Multiple Email Accounts

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

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

Remove an Email Account

To remove an email account:

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

Email Settings

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

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

Emergency Zone

Make calls or send text messages to emergency contacts.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Samsung** folder > **Emergency Zone**.
3. Follow the prompts to configure emergency call and message settings.

Galaxy Apps

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

A Samsung account is required to purchase and download apps.

To access the Samsung Galaxy Apps website:

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

Gallery

View, edit, and manage pictures and videos.

View Pictures

Launching Gallery displays available folders. When another app, such as Email, saves a picture, a Downloads folder is automatically created to contain the image.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Gallery**, and tap **Pictures**, **Albums**, or **Stories** to choose the way items are displayed.
3. Tap a picture to view it, or first tap an album or folder, and then tap a picture.
4. When viewing a picture:
   - Swipe left or right to view the next or previous picture.
   - Tap **Favorite** to mark the picture as a favorite, and then access it from the Favorites album.
   - To start a slideshow with pictures and videos in the current folder, tap **More options** > **Slideshow**.
   - To set the picture as the photo for a contact, tap **More options** > **Set as profile picture**.
   - To set the picture as wallpaper, tap **More options** > **Set as wallpaper**.
   - To set a picture as the Always On Display, tap **More options** > **Set as Always On Display image**.
   - To send the picture to your connected printer, tap **More options** > **Print**.

Bixby Vision

Turn on Bixby Vision to find products online, discover new places nearby, or translate text.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Gallery**, and tap **Pictures**, **Albums**, or **Stories** to choose the way items are displayed.
3. Tap a picture to view it, or first tap an album or folder, and then tap a picture.
4. Tap **Bixby Vision** and follow the prompts.

Edit Pictures

You can edit pictures stored on your device.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Gallery**, and tap a picture to view it.
   - **Details**: View and edit information about the image, including the date created, location, and properties.
   - **Auto adjust**: Apply adjustments determined by built-in correction software.
   - **Edit**: View and use the editing tools.
   - **More options** > **Rotate left** or **Rotate right** to rotate the picture.

Play Video

You can play videos stored on your device.

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

Edit Video

You can trim segments of a video.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Gallery**, and tap a video to view it.
3. Tap **Edit** and tap an option:
   - **Trim**: Cut segments of the video.
   - **Effects**: Add visual effects to the video.
   - **Audio**: Adjust the volume levels and add background music to the video.
   - **Movie Maker**: Download Movie Maker to edit your multimedia files.
4. Tap **Save**, and then confirm when prompted to save your new video.

Share Pictures and Videos

You can share pictures and videos from your Gallery.

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

   – or –

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

Direct Share

Share content with specific people directly using the sharing panel from within any app.

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

Once enabled, contacts you have shared with in the past will appear as icons in the Share window for each app.

Delete Pictures and Videos

You can delete pictures and videos stored on your device.

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

   – or –

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

Take a Screenshot

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

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

Screenshot Options

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Settings** > **Advanced features**.
3. Tap **On/Off** to enable each of the following:
   - **Smart capture**: Capture an image of any scrollable areas of the screen that are currently hidden, as well as the area that is visible, and crop and share the screenshot immediately.
   - **Palm swipe to capture**: 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.

Google Apps

Enjoy these apps from Google. Certain apps require a Google Account. Visit google.com to learn more.

Chrome

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

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

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

Drive

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

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

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

Duo

Make one-to-one video calls.

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

Visit support.google.com/duo to learn more about Google Duo.

Gmail

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

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

Visit support.google.com/mail to learn more.

Google

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

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

Maps

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

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

Visit support.google.com/maps to learn more.

You must enable location services to use Google Maps. For more information, see "Location" on page 136.

Photos

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

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

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

Play Movies & TV

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

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

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

Play Music

Play music and audio files on your device.

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

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

Play Store

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

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

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

YouTube

View and upload YouTube™ videos right from your device.

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

Visit support.google.com/youtube to learn more.

Internet

Access the Internet with a fully-featured web browser.

To access the Internet:

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

Command Keys

The following command keys are available:

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

View a Web Site

To view a web site:

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

To zoom in or out:

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

Browser Tabs

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

To open a new tab:

► Tap **Tabs** > **New tab**.

To close a tab:

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

Bookmarks

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

Save and Open Bookmarks

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

To bookmark the current web page:

1. Tap **Add to Bookmarks**.

   – or –

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

To open a bookmarked web page:

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

Saved Pages

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

To save the current web page:

► Tap ⋮ **More options** > **Save webpage**.

To view saved web pages:

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

View History

To view a list of recently visited web pages:

► Tap **Bookmarks** > **History**.

Share Pages

To share a web page address with others:

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

Secret Mode

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

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

To enable Secret mode:

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

   – or –

   Tap **Don't use password**.

To turn off Secret mode:

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

Internet Settings

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

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

Messages

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

Types of Messages

The Samsung Messages app provides the following message types:

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

The Short Message Service (SMS) lets you send and receive text messages to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's message service.

The Multimedia Messaging Service (MMS) lets you send and receive multimedia messages (such as picture, video, and audio messages) to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's multimedia message service.

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

Create and Send Messages

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

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Messages** > **Compose**.
   - Tap the **Recipient** field to manually add a recipient or tap **Add from Contacts** to select recipients from Contacts, Groups, or Recents.
   - Enter additional recipients by separating each entry with a semicolon (;) and then using the previous procedure. More recipients can be added at any time before the message is sent.
3. Tap the **Enter message** field to enter a message.
   - **Attach**: Add images, audio, and more to your message.
   - **Emoticon**: Choose an available emoticon from the list and add it into your message at the cursor location.
4. Review the message and tap SEND **Send**.

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

Send SOS Messages

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

To enable SOS messages:

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

To send an SOS message:

► Press the **Power** key quickly three times.

View New Messages

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

To view the message:

► Open the Notification panel and tap the message. For more information, see "Notification Panel" on page 29.

– or –

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

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

Delete Messages

To delete messages, follow these steps:

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

Message Search

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

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

Messages Settings

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

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

Emergency Alerts

This device is designed to receive wireless emergency alerts from the Commercial Mobile Alerting System (CMAS), which may also be known as the Personal Localized Alerting Network (PLAN). For more information, contact your wireless provider.

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

There are three types of Emergency alerts:

- Alerts issued by the President
- Alerts involving imminent threats to safety of life (extreme and severe)
- AMBER alerts (missing child alert)

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

Note: Alerts issued by the President cannot be disabled.

To disable Imminent and AMBER alerts:

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

My Files

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

To view files in My Files:

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

File Groups

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

- **Recent files**: View recently accessed files.
  - This option appears if one or more files have been accessed recently.
- **Categories**
  - **Images**: View image files.
  - **Audio**: View audio files.
  - **Videos**: View video files.
  - **Documents**: View document files.
  - **Downloads**: View all apps and files that have been downloaded to the device.
  - **Installation files**: View all APK files.
- **Phone storage**
  - **Internal storage**: View folders and files located on the device.
  - **SD card**: View folders and files located on the optional SD card (not included).

- **Cloud storage**
  - **Samsung Cloud Drive**: Use a Samsung account for cloud storage.
  - **Google Drive**: Use a Google account for cloud storage.

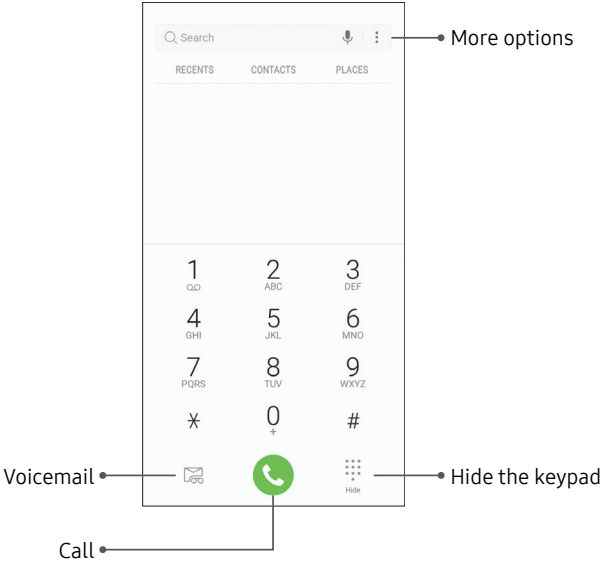
Note: Cloud drives vary depending on the services you sign in to.

My Files Options

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

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Samsung** folder › **My Files**. The following options are available:
   - **Search**: Search for a file or folder.
   - **More options**: Tap for the following options:
     - **Clear recent file history**: Clear the Recent files category. This option only appears if files have been accessed recently.
     - **Get more space**: View storage information for your device.
     - **Settings**: View settings for the My Files app.

Phone



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

Make a Call

You can make a call from a Home screen.

Using the Dialer

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

From Contacts

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

To enable this feature:

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

To make a call from Contacts:

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

From Recents

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

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

Direct Calls

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

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

Answer a Call

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

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

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

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

Decline a Call

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

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

► Tap **Decline** to reject the call and send it to your voicemail.

Decline with Message

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

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

► Tap **Send message** and select a message.

End a Call

To finish your call:

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

While on a Call

Adjust the Call Volume

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

– or –

Tap ⋮ **More options** › **Turn on extra volume** to quickly add more volume to the incoming audio.

Multitasking

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

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

To return to the call screen:

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

To end a call from any application:

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

Switch to Headset or Speaker

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

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

– or –

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

Call Log

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

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

Save a Contact from a Recent Call

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

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

   – or –

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

Delete Call Records

To delete Call log entries:

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

Block a Number

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

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

You can also modify the Block list in Settings:

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

Speed Dial

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

Create a Speed Dial

You can assign 999 speed dial numbers.

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

Make a Call with Speed Dial

You can make a call using Speed dial.

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

Remove a Speed Dial Number

You can remove an assigned Speed dial number.

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

Emergency Calls

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

Make an Emergency Call

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

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

Make an Emergency Call from a Locked Screen

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

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

Voicemail

Use your phone's voicemail feature.

For information on setting up voicemail, see "Set Up Your Voicemail" on page 13.

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

Optional Calling Services

Place a Multi-Party Call

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

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

Video Calls

To make Video calls:

1. From a Home screen, tap **Phone**.
2. Enter a number and tap **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.

Calling PLUS

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

To configure Calling Plus:

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

Phone Settings

To access settings:

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

Samsung Connect

Control your devices by monitoring them in one place. 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.

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

Samsung Gear

Connect your device to your Samsung Gear using this application.

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

Samsung Health

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

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

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

To access Samsung Health:

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

Before You Start Exercising

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

- Heart disease;
- Asthma or lung disease;
- Diabetes, or liver or kidney disease;
- Arthritis.

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

- Pain or discomfort in your chest, neck, jaw, or arms during physical activity;
- Dizziness or loss of consciousness;
- Shortness of breath with mild exertion or at rest, or when lying down or going to bed;
- Ankle swelling, especially at night;
- A heart murmur or a rapid or pronounced heartbeat;
- Muscle pain when walking upstairs or up a hill that goes away when you rest.

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

- You are a man older than age 45 or a woman older than age 55;
- You have a family history of heart disease before age 55;
- You smoke or quit smoking in the past six months;
- You have not exercised for three months or more;
- You are overweight or obese;
- You have high blood pressure or high cholesterol;
- You have impaired glucose tolerance, also called prediabetes.

When in Doubt — Check It Out

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

Samsung Notes

Use Samsung Notes to write and save notes.

Compose a Note

You can create notes using the Samsung Notes app.

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

Edit Notes

You can make edits to notes you create.

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

Browse Notes

You can browse notes you create.

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

Notes Options

You can edit, share, or manage notes.

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

Samsung Pay

Samsung Pay™ is the new way to pay with your Samsung Galaxy device. It is simple, secure and works in more stores than any other mobile payment service.

Samsung Pay is accepted almost anywhere you can swipe or tap your credit card.

Note: Make sure the NFC feature is enabled on your device. For more information, see "NFC and Payment" on page 131.

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

Set Up Samsung Pay

Samsung Pay is secure, easy to set up, and simple to use with your Samsung Galaxy device.

To set up Samsung Pay:

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

Note: You must log in to your Samsung account or create a new Samsung account to use Samsung Pay.

Simple Pay

Access Samsung Pay from the Screen off, Lock Screen or Home screen using Simple Pay.

To customize Simple Pay:

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

To use Simple Pay:

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

Use Samsung Pay

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

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

   – or –

   From any screen, swipe up from the bottom of the screen.
3. Select a card to pay with and authorize payments by scanning your finger on the fingerprint sensor or entering your Samsung Pay PIN.
4. Hold your phone over the store's card reader.
   - When your payment is complete, a receipt is sent to your registered email.

Use Gift Cards with Samsung Pay

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

To view the list of supported retailers:

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

Secure Your Information

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

If your device is ever lost, you can use the Find My Mobile function to remotely wipe your data for even more protection. For more information, see “Find My Mobile” on page 175.

For more information about Samsung Pay, visit samsung.com/SamsungPay.

For Samsung Pay support, visit samsung.com/us/support/owners/app/samsung-pay.

Samsung+

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

► From a Home screen, swipe up to access **Apps**, and then tap **Samsung** folder > **Samsung+**.

Visit samsung.com/us/samsung-plus to learn more.

Secure Folder

Lock your private content and apps to enhance security.

► From a Home screen, swipe up to access **Apps**, and then tap **Samsung** folder > **Secure Folder**.

For more information, see "Secure Folder" on page 176.

Smart Switch

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

► From a Home screen, swipe up to access **Apps**, and then tap **Samsung** folder > **Smart Switch**.

For more information, see "Transfer Data from Your Old Device" on page 12.

Settings

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

How to Use Settings

Access Settings

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

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

– or –

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

Search for Settings

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

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

Connections

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

Wi-Fi

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

Connect to a Wi-Fi Network

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

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

Manually Connect to a Wi-Fi Network

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

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

Wi-Fi Options

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

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

Wi-Fi Direct

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

Connect to a Device with Wi-Fi Direct

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

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

Share Data with Wi-Fi Direct

Share data with another device using Wi-Fi Direct.

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

Disconnect from Wi-Fi Direct

Disconnect your phone from a Wi-Fi Direct device.

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

Bluetooth

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

The Bluetooth communication range is approximately 30 feet.

Pair with a Bluetooth Device

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

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

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

Rename a Paired Device

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

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

Share Data with Bluetooth

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

To send data to another device using Bluetooth:

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

To receive data from another device using Bluetooth:

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

Connect with a Bluetooth Device

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

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

Disconnect from a Bluetooth Device

Disconnect a Bluetooth device from your phone.

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

Unpair from a Bluetooth Device

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

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

Phone Visibility

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

To enable or disable Phone visibility:

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

Data Usage

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

Your service provider may account for data usage differently.

Turn Data Saver On or Off

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

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

Turn Mobile Data On or Off

Enable or disable mobile data use on your phone.

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

Check Mobile Data Usage by Apps

Monitor your apps' mobile data usage.

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

Create an Alert for Mobile Data Usage

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

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

Additional Mobile Data Usage Options

Configure more options for mobile data usage.

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

Airplane Mode

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

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

To enable or disable Airplane mode:

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

NFC and Payment

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

Enable NFC

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

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

Android Beam

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

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

Tap and Pay

Tap and pay allows you to select the default payment application you want to use for making purchases on your device.

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

Mobile Hotspot

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

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

Connect a Device to Your Mobile Hotspot

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

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Settings** > **Hotspot and tethering** > **Hotspot**.
3. Tap **On/Off** to turn on Hotspot.
4. Activate Wi-Fi on the target device.
5. Scan for Wi-Fi hotspots and select your device's Hotspot.
6. Enter your device's Hotspot password on the target device.

Change the Mobile Hotspot Password

You can change your Hotspot password.

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

Allowed Devices List

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

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

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

Configure Mobile Hotspot Settings

Manage your Mobile hotspot security and connecting settings.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Settings** > **Hotspot and tethering** > **Hotspot**.
3. Tap **More options** > **Configure hotspot** for the following settings:
   - **Network name**: View and change the name of your Mobile hotspot.
   - **Hide my device**: Make your device invisible to others.
   - **Security**: Choose the security level for your Mobile hotspot.
   - **Password**: If you choose a security level that uses a password, enter the password. A default password is displayed on the Mobile hotspot screen.

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

Wi-Fi Sharing

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

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

Tethering

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

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

Mobile Networks

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

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

Location

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

Locating Method

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

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

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

Recent Location Requests

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

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

Location Services

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

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Settings** > **Connections** > **Location**.
3. Tap an entry under **Location services**.

Nearby Device Scanning

Scan for nearby devices to connect to and set them up easily. You receive a notification when there are available devices to connect to. This function uses Bluetooth Low Energy scanning even if Bluetooth is turned off on your device.

To enable nearby device scanning:

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

Printing

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

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

MirrorLink

Mirror your device's display on your car's entertainment and information screen using a USB connection.

Note: To use this feature, your car system must support MirrorLink.

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

Virtual Private Networks

Set up and manage your Virtual Private Networks (VPNs). You must set a secured screen lock before setting up a VPN. For more information, see "Set a Secure Screen Lock" on page 173.

Set Up and Manage a VPN

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

To add a VPN:

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

To edit or delete a VPN:

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

   – or –

   Tap **Delete** to delete the VPN.

Connect to or Disconnect from Your VPN

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

To connect to a VPN:

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

To disconnect from a VPN:

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

Ethernet

Configure an Ethernet connection with your device.

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

Sounds and Vibration

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

Sound Mode

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

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

Easy Mute

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

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

Vibrations

Configure your device's vibrations.

Vibrate While Ringing

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

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

Vibration Intensity

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

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

Vibration Pattern

Choose from preset vibration patterns or create your own pattern.

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

Volume

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

Volume Keys for Media

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

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

Set the Volume

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

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

Media Volume Limiter

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

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

Ringtone

Choose from preset ringtones or add your own.

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

   – or –

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

Notification Sounds

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

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Settings** > **Sounds and vibration** > **Notification sounds** and configure the following options:

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

Do Not Disturb

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

To activate Do not disturb mode:

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

System Sounds

Set various other system sound options.

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

Key-Tap Feedback

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

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

Sound Quality and Effects

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

Choose from advanced sound options to customize your audio experience.

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

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

Separate App Sound

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

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

Notifications

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

Block App Notifications

Block notifications for apps.

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

Customize App Notifications

Customize notification settings for each application individually.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Settings** > **Notifications**.
3. Tap an app, and select an option:
   - **Allow notifications**: Receive notifications from this app.
   - **Show silently**: Do not make a sound or vibrate, and block previews in pop-ups.
   - **On lock screen**: Show content from this app on the lock screen.
     - This option is only displayed when a lock screen is enabled. For more information, see "Set a Secure Screen Lock" on page 173.
   - **Set as priority**: Allow notifications from this app to sound and turn on the screen while Do not disturb is turned on.

Smart Alert

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

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

Display

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

Screen Brightness

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

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

Blue Light Filter

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

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

Screen Mode

Choose a screen mode to match your type of viewing.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Settings** > **Display** > **Screen mode** and choose a screen mode:
   - Tap **Adaptive display** if you want your device to automatically optimize the display to match the type of image displayed and other criteria, such as battery level.

     – or –

     Choose a specific type of screen mode based on what you are viewing.

Screen Resolution

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

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

Screen Zoom and Font

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

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

Full Screen Apps

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

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

Easy Mode

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

To enable Easy mode:

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

To disable Easy mode:

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

Icon Frames

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

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

LED Indicator

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

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

Status Bar

Configure display options for the Status bar.

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

Screen Timeout

Turn the screen off after a set amount of time.

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

Keep Screen Turned Off

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

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

Screen Saver

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

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

Smart Stay

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

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

One-Handed Mode

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

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

Device Maintenance

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

Quick Optimization

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

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

To use the quick optimization feature:

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

Battery

View how battery power is used for device activities.

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

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

Performance Mode

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

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Settings** > **Device maintenance** > **Performance mode**. Choose one of the following options:
   - **Optimized (recommended)**: Balance battery life and screen resolution for everyday use.
   - **Game**: Enhance your gaming experience by making games run more smoothly.
   - **Entertainment**: Enjoy music and videos with ultra high quality sound and enhanced images.
   - **High performance**: Experience the highest quality display settings.

Storage

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

Device Memory

View and manage the memory used by the device.

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

To increase available memory:

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

Memory Card (SD Card)

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

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

Mount a Memory Card

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

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

Remove a Memory Card

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

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

Format a Memory Card

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

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

Memory

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

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

Language and Input

Configure your device's language and input settings.

Change the Device Language

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

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

Default Keyboard

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

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

Google Voice Typing

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

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Settings** > **General management** > **Language and input**.
3. Tap **On-screen keyboard** > **Google voice typing**.
   - **Languages**: Select languages for Google voice typing.

- **“Ok Google” detection**: Launch a Google search whenever you say “OK Google”.
- **Hands-free**: Allow requests with the device locked.
- **Speech output**: Select options for spoken feedback.
- **Offline speech recognition**: Download and install speech recognition engines, allowing you to use voice input while not connected to the network.
- **Block offensive words**: Hide search results that contain offensive words.
- **Bluetooth headset**: Records audio through a Bluetooth headset, if available.

Manage On-Screen Keyboards

Enable or disable on-screen keyboards.

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

Physical Keyboards

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

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

3. Tap **Physical keyboard**, and then choose an option:
   - **Show on-screen keyboard**: Show the on-screen keyboard while a physical keyboard is also being used.
   - **Keyboard shortcuts**: Show explanations of the keyboard shortcuts on the screen.

Text-to-Speech Options

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

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

Pointer Speed

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

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

Date and Time

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

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

Report Diagnostic Information

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

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

Reset

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

Reset Settings

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

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

Reset Network Settings

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

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

Factory Data Reset

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

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

Before resetting your device:

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

To reset your device:

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

Factory Reset Protection

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

You will not be able to access the device after a factory data reset if you do not have your Google Account username and password. For more information, see "Factory Data Reset" on page 170.

Auto Restart

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

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

Software Update

Check for and install available software updates for your device.

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

Lock Screen and Security

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

Screen Lock Types

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

Set a Secure Screen Lock

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

To set a secure screen lock:

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Settings** > **Lock screen and security** > **Screen lock type** and tap a secure screen lock (**Pattern**, **PIN**, or **Password**).
3. Tap **On/Off** to enable showing notifications on the lock screen. The following options are available:
   - **Hide content**: Enable to hide the content of notifications.
   - **Notification icons only**: Enable to hide notification details and show only the icon.
4. Tap **Done** when finished.
5. Configure the following screen lock options:
   - **Smart Lock**: Unlock your device automatically when trusted locations or other devices have been detected. A secure screen lock is required for this feature.
   - **Secure lock settings**: Customize your secure lock settings. A secure screen lock is required for this feature.

Biometric Locks

The following biometric lock types are available:

- **Face recognition**: Use facial recognition to unlock your device. For more information, see "Face Recognition" on page 36.
- **Fingerprint scanner**: Use fingerprint recognition to unlock the screen. For more information, see "Fingerprint Scanner" on page 37.
- **Iris scanner**: Use iris recognition to unlock the screen. For more information, see "Iris Scanner" on page 39.

Lock Screen and AOD Settings

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

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

Samsung Pass

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

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

Find My Mobile

Protect your device from loss or theft allowing your device to be locked, tracked, and for your data to be deleted remotely. You must sign up for a Samsung account and enable Google location service to use Find My Mobile.

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

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

Unknown Sources

Enable installation of non-Google Play applications.

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

Secure Folder

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

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

Secure Startup

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

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

Encrypt SD Card

Protect your SD card by encrypting its data.

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

View Passwords

Display password characters briefly as you type them.

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

Security Update Service

Automatically receive security updates.

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

Device Administration

Manage your device administrators and application installation privileges.

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

Credential Storage

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

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

Advanced Security Settings

Use these options to configure advanced security settings.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Settings** > **Lock screen and security** > **Other security settings** for the following advanced options:
   - **Trust agents**: Perform selected actions when trusted devices are connected.
     - This option is only displayed when a lock screen is enabled. For more information, see "Set a Secure Screen Lock" on page 173.
   - **Pin windows**: Pin an app on your device screen, preventing access to other features of your device.

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

Accounts

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

Samsung Cloud

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

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Settings** > **Cloud and accounts** > **Samsung Cloud**.
   - If a Samsung account has not been added, follow the prompts to add one.
3. Once a Samsung account is configured, the following options are available:
   - **Manage cloud storage**: View how much cloud storage your data is using.
   - **Backup settings**: Configure backup for supported apps using your Samsung Cloud account.
   - **Restore**: Download any stored backup information to your device.
   - **Data to sync**: Tap the following items to enable or disable syncing:
     - **Contacts (Samsung account)**: Sync contact info.
     - **Calendar (Samsung account)**: Sync your events and tasks.
     - **Samsung Notes**: Sync your notes and categories.
     - **Samsung Internet**: Sync bookmarks, saved pages, and opened tabs from your browser.
     - **Keyboard data**: Sync predictive text data.
     - **Gallery**: Sync your images and videos.

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

My Profile

Manage your personal information and Samsung account details.

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

Add an Account

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

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

Synchronize Accounts

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

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

Account Settings

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

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

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

Remove an Account

You can remove accounts from your device.

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

Backup and Restore

Back up your data to your Samsung or Google Accounts.

Samsung Account

Enable backup of your information to your Samsung account.

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

Google Account

Enable backup of your information to your Google Account.

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

Google Settings

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

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

Accessibility

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

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

Vision

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

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Settings** > **Accessibility** > **Vision**, and tap an option:
   - **Voice Assistant**: Give spoken feedback to assist blind and low-vision users.
     - Voice Assistant can collect all of the text you enter, except passwords, including personal data and credit card numbers. It may also log your user interface interactions with the device.
   - **Voice Assistant help**: View help on using Voice Assistant.
   - **Dark screen**: Keep the screen turned off at all times for privacy.
   - **Rapid key input**: Release your finger to enter selection instead of double tapping.
   - **Speak passwords**: Read the characters aloud as you enter your passwords.
   - **Accessibility shortcut**: Quickly enable accessibility features in two quick steps.
   - **Voice Label**: Write voice recordings to NFC tags to provide information about nearby objects.
   - **Screen zoom and font**: Configure the screen zoom level and font size and style.
   - **High contrast fonts**: Adjust the color and outline of fonts to increase the contrast with the background.
   - **High contrast keyboard**: Adjust the size of the Samsung keyboard and change its colors to increase the contrast between the keys and the background.

- **Show button shapes**: Show buttons with shaded backgrounds to make them stand out.
- **Magnifier window**: Magnify content shown on the screen.
- **Magnification gestures**: Use exaggerated gestures such as triple-tapping, double pinching, and dragging two fingers across the screen.
- **Large mouse/touchpad pointer**: Enable a large pointer for a connected mouse or touchpad.
- **Grayscale**: Enable grayscale mode instead of using colors.
- **Negative colors**: Reverse the display of colors from white text on a black background to black text on a white background.
- **Color adjustment**: Adjust the color of the screen if you are color blind or have difficulty reading the display because of the screen color.

Hearing

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

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

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

Dexterity and Interaction

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

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Settings** > **Accessibility** > **Dexterity and interaction**, and tap an option:
   - **Universal switch**: Control your device with your customized switches.
   - **Assistant menu**: Improve the device accessibility for users with reduced dexterity.
   - **Easy screen turn on**: Turn on the screen without having to press any buttons.
   - **Press and hold delay**: Select a time interval for this action.
   - **Click after pointer stops**: If using a mouse (not included), set your device to automatically click when the mouse cursor stops moving.
   - **Interaction control**: Block areas of the screen from touch interaction. Disable auto screen rotation and hard key functions. Only show application notifications in the Notification panel and the Status bar.

More Accessibility Settings

Customize additional accessibility features for your device.

1. From a Home screen, swipe up to access **Apps**.
2. Tap **Settings** > **Accessibility**, and tap an option:
   - **Text-to-speech**: Set your preferred TTS engine and options. For more information, see "Text-to-Speech Options" on page 167.
   - **Direction lock**: Unlock the screen by swiping in a series of directions.
   - **Direct access**: Open your accessibility settings by pressing the **Volume up** key and the **Power** key together.
   - **Notification reminder**: Beep at set intervals to remind you of any unread notifications.
   - **Answering and ending calls**: Select shortcuts for answering and ending calls.
   - **Single tap mode**: Dismiss or snooze alarms, calendar events, and timer alerts, and answer or reject incoming calls with a single tap.
   - **Manage accessibility**: Import and export your accessibility settings, or share them with other devices.

Accessibility Services

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

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

Other Settings

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

Help

View your device's user manual on your device.

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

Manage Game Features

Automatically arranges all your games in one place.

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

Device Assistance App

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

About Phone

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

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

Getting Help

Additional resources
for your device.

Videos

samsung.com/spsn

Simulators

samsungsimulator.com

Tips

samsung.com/us/support/tips/galaxy

Samsung Care

samsung.com/us/support

Legal

View legal information
for your device.

Legal Information

READ THIS INFORMATION BEFORE USING YOUR MOBILE DEVICE.

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

Find Legal Information Online

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

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

Phone:

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

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

End User License Agreement:

- English: samsung.com/us/Legal/SamsungLegal-EULA4
- Spanish: samsung.com/us/Legal/SamsungLegal-EULA4/#SPANISH

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

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

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

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

Modification of Software

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

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

Samsung Knox

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

Maintaining Water and Dust Resistance

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

This device is rated IP68 using the Ingress Protection rating system.

Your device has been tested in a controlled environment and shown to be water and dust resistant in certain circumstances (meets requirements of classification IP68 as described by the international standard IEC 60529 – Degrees of Protection provided by Enclosures [IP Code]; test conditions: 15-35°C, 86-106 kPa, 5.0 feet, for 30 minutes). Despite this classification, your device is not impervious to water damage in any situation. It is important that all compartments are closed tightly.

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

Follow these tips carefully to prevent damage to the device.

- **Any device which uses accessible compartments or ports that can be opened, should have these sealed or closed tightly to prevent liquid from entering the system.**
- Whenever your device gets wet, dry it thoroughly with a clean, soft cloth. If your device has gotten wet, you should dry the inside of the charging port before inserting a power connector to charge your device. If the charging port is not fully dry, your device may operate abnormally. For example, it may charge more slowly or overheat.
- Do not expose the device to salt water or ionized water, or to water over 5.0 feet deep for more than 30 minutes. If your device is exposed to fresh water, dry it thoroughly with a clean, soft cloth. If the device is exposed to any liquid other than fresh water, rinse the device with fresh water immediately and dry it thoroughly with a clean, soft cloth. Failure to rinse the device in fresh water and dry it as instructed may cause the device to suffer from operability or cosmetic issues.
- Water resistant based on IP68 rating, which tests submersion in fresh water up to 5 feet for up to 30 minutes. If Device is exposed to fresh water, dry it thoroughly with a clean, soft cloth; if exposed to liquid other than fresh water, rinse with fresh water and dry as directed.

Warning! Liquid other than fresh water may enter the device faster. Failure to rinse the device in fresh water and dry it as instructed may cause the device to suffer from operability or cosmetic issues.

- Do not expose the device to water at high pressure.
- **If the device is dropped or receives an impact, the water and dust resistant features of the device may be damaged.**
- To maintain the water-resistant and dust-resistant features of your device, if an S Pen is available for use, verify it is securely inserted prior to any exposure to liquids.
- The touchscreen and other features may not work properly if the device is used in water or in other liquids.

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

Restricting Children's Access to Your Mobile Device

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

Samsung Electronics America, Inc.

Address:
85 Challenger Road
Ridgefield Park,
New Jersey 07660

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

Internet: samsung.com

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

Screen images are simulated. Appearance of device may vary.

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

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

Galaxy S8 Active

Terms & Conditions / Health & Safety Information

Read this document before operating the mobile device, accessories, or software (defined collectively and individually as the "Product") and keep it for future reference. This document contains important Terms and Conditions. Electronic acceptance, opening the Product packaging, use of the Product, or retention of the Product constitutes acceptance of these Terms and Conditions.

Revised 7/18/2017

- Arbitration Agreement
- Standard Limited Warranty
- End User License Agreement (EULA)
- Health & Safety Information

SAMSUNG

Table of Contents

Important Legal Information **4**

Find Legal Information Online 4

Find Legal Information on the Mobile Device 5

Intellectual Property 5

Open Source Software 6

Samsung Knox 6

Modification of Software 7

Disclaimer of Warranties; Exclusion of Liability 7

Section 1: Arbitration Agreement **9**

Section 2: Standard Limited Warranty **13**

Section 3: End User License Agreement **14**

Section 4: Health & Safety Information **15**

Maintaining Dust and Water Resistance 15

Military Specification 16

Iris Scanner 16

Heart Rate Sensor 17

Specific Absorption Rate (SAR) Certification Information 19

FCC Notice 24
Samsung Mobile Products and Recycling 24
GPS & AGPS 25
Your Location 25
Use of AGPS in Emergency Calls 26
Navigation 26
Commercial Mobile Alerting System (CMAS) 27
Emergency Calls 27
FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices 28
HAC for Newer Technologies 30
Card Tray Removal Tool 31
Device Temperature 31
Sound and Hearing 32
Restricting Children's Access to Your Mobile Device 33

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

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

End User License Agreement:

- English: **www.samsung.com/us/Legal/SamsungLegal-EULA4**

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- Spanish: **www.samsung.com/us/Legal/SamsungLegal-EULA4/#SPANISH**

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

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- design, condition or quality of the Product;
- performance of the Product;
- workmanship of the Product or the components contained therein; or

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Samsung Electronics America, Inc.

85 Challenger Road

Ridgefield Park, NJ 07660

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

Internet: **www.samsung.com**

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SM-G892U SPR S8 Active.indd 8 10/17/2017 11:30:45 AM

Section 1: Arbitration Agreement

THIS IS A BINDING LEGAL AGREEMENT ("AGREEMENT") BETWEEN YOU (EITHER AN INDIVIDUAL OR ENTITY) AND SAMSUNG ELECTRONICS AMERICA, INC. ("SAMSUNG"). ELECTRONIC ACCEPTANCE OF THE AGREEMENT, OPENING THE PRODUCT PACKAGING, USE OF THE PRODUCT, OR RETENTION OF THE PRODUCT CONSTITUTES ACCEPTANCE OF THIS AGREEMENT, REGARDLESS OF WHETHER YOU ARE THE ORIGINAL PURCHASER, USER, OR OTHER RECIPIENT OF THE PRODUCT.

YOU AND SAMSUNG EACH AGREE THAT ALL DISPUTES BETWEEN YOU AND SAMSUNG RELATING IN ANY WAY TO OR ARISING IN ANY WAY FROM THE STANDARD LIMITED WARRANTY OR THE SALE, CONDITION OR PERFORMANCE OF THE PRODUCT SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY. ANY SUCH DISPUTE SHALL NOT BE COMBINED OR CONSOLIDATED WITH A DISPUTE INVOLVING ANY OTHER PERSON'S OR ENTITY'S PRODUCT OR CLAIM, AND SPECIFICALLY, WITHOUT LIMITATION OF THE FOREGOING, SHALL NOT UNDER ANY CIRCUMSTANCES PROCEED AS PART OF A CLASS ACTION. THE ARBITRATION SHALL BE CONDUCTED BEFORE A SINGLE ARBITRATOR, WHOSE AWARD MAY NOT EXCEED,

SM-G892U SPR S8 Active.indd 9 10/17/2017 11:30:45 AM

IN FORM OR AMOUNT, THE RELIEF ALLOWED BY THE APPLICABLE LAW.

The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. The AAA Rules are available online at **adr.org** or by calling the AAA at 1-800-778-7879. This Agreement is entered into pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of law principles, shall govern the interpretation of the Agreement and all disputes that are subject to this Agreement. The arbitrator shall decide all issues of interpretation and application of this Agreement.

For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are $5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant Samsung its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or $50.00 of such fees, whichever is less, and Samsung shall pay the remainder of such fees. Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed $5,000.00 ("Large Claim")

SM-G892U SPR S8 Active.indd 10 10/17/2017 11:30:45 AM

shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs to the extent allowed by the applicable law. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction.

This Agreement also applies to claims against Samsung's employees, representatives, parents and other affiliates if any such claim relates in any way to or arises in any way from the Standard Limited Warranty or the Product's sale, condition or performance.

You may opt out of this Agreement by providing notice to Samsung no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product. To opt out, you must send notice by e-mail to optout@sea.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt-out email (a) your name and address; (b) the date on which the Product was purchased; (c) the Product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the Product box; (ii) on the Product information screen which can be found under "Settings;" (iii) on a label on the back of the Product beneath the battery, if the battery is removable; and (iv) on the outside of the Product if the battery is not removable).

SM-G892U SPR S8 Active.indd 11 10/17/2017 11:30:45 AM

Alternatively, you may opt out by calling 1-800-SAMSUNG (726-7864) no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product and providing the same information. These are the only two forms of notice that will be effective to opt out of this Agreement. Opting out of this Agreement will not affect in any way the benefits to which you would otherwise be entitled, including the benefits of the Standard Limited Warranty.

SM-G892U SPR S8 Active.indd 12 10/17/2017 11:30:45 AM

Section 2: Standard Limited Warranty

The full Standard Limited Warranty for your device is available online and on the device:

Online:

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

On the device:

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

SM-G892U SPR S8 Active.indd 13 10/17/2017 11:30:46 AM

Section 3: End User License Agreement

The full End User License Agreement (EULA) for your device can be found online and on the device:

Online:

- English: **www.samsung.com/us/Legal/SamsungLegal-EULA4**
- Spanish: **www.samsung.com/us/Legal/SamsungLegal-EULA4/#SPANISH**

The full End User License Agreement (EULA) is also available on the device, in the Samsung legal section of Settings. The location depends on the device, and is usually in the “About device” or “About phone” or “About tablet” section, for example:

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

SM-G892U SPR S8 Active.indd 14 10/17/2017 11:30:46 AM

Section 4: Health & Safety Information

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

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

Maintaining Dust and Water Resistance

This device is rated IP68 using the Ingress Protection rating system. The device has been tested in a controlled environment and shown to be water and dust resistant in certain circumstances (meets requirements of classification IP68 as described by the international standard IEC 60529 - Degrees of Protection provided by Enclosures [IP Code]; test conditions: 15-35°C, 86-106 kPa, 5.0 feet, for 30 minutes). Despite this classification, the device is not impervious to water damage in any situation. It is important that all compartments are closed tightly.

SM-G892U SPR S8 Active.indd 15 10/17/2017 11:30:46 AM

Military Specification

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

Iris Scanner

WARNING! Some people may have dizziness, seizures, epileptic seizures or blackouts triggered by light flashes or patterns, even if they have never had a seizure or blackout before. Anyone who has had a seizure, loss of awareness, or other symptoms linked to an epileptic condition, or has a family history of such symptoms or conditions, should see a doctor before using the Iris Scanner.

DO NOT stare directly into the infrared iris recognition LED as prolonged use can cause eye-strain. Do not stare at the iris recognition LED when your eyes are less than 20 cm (~8 inches) away from the device.

For best results:

- Keep your eyes 25-35 cm (~10-14 inches) away from the device for optimum recognition.

SM-G892U SPR S8 Active.indd 16 10/17/2017 11:30:46 AM

- Remove eye glasses and sun glasses. Tinted contact lenses and surgically repaired/replaced iris lenses may interfere with operation of the Iris Scanner.
- Don’t use the Iris Scanner in bright sunlight or areas with excessive reflected light
(ex: by the pool or seashore).
- Don’t use the Iris Scanner in low light.
- Look straight at the device (not up, down or sideways); and hold your head still for the scan.
- Don’t walk or operate a vehicle while using the Iris Scanner.
- Please follow all instructions for use of this feature. For more information, visit **http://www.samsung.com/us/irisscanner**

Note: The Iris Scanner is not intended to be used as a medical device. Biometric data collected and stored locally by the mechanism is not intended to be used for any diagnostic, therapeutic, or preventative purposes.

Heart Rate Sensor

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

SM-G892U SPR S8 Active.indd 17 10/17/2017 11:30:46 AM

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

If any liquid is found to have entered device components or an internally sealed system, this condition will void your device warranty. Follow these tips carefully to prevent damage to the device.

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

SM-G892U SPR S8 Active.indd 18 10/17/2017 11:30:46 AM

- Do not expose the device to salt water or ionized water, or to water over 5.0 feet deep for more than 30 minutes. If the device is exposed to fresh water, dry it thoroughly with a clean, soft cloth. If the device is exposed to any liquid other than fresh water, rinse the device with fresh water immediately and dry it thoroughly with a clean, soft cloth. Failure to rinse the device with fresh water and dry it as instructed may cause the device to suffer from operability or cosmetic issues.
- Do not expose the device to water at high pressure.
- If the device is dropped or receives an impact, the water and dust resistant features of the device may be damaged.
- The touchscreen and other features may not work properly if the device is used in water or in other liquids.

Specific Absorption Rate (SAR) Certification Information

Your device is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for Radio Frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government.

These FCC RF exposure limits are derived from the recommendations of two expert organizations: the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts

SM-G892U SPR S8 Active.indd 19 10/17/2017 11:30:46 AM

drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The RF exposure limit set by the FCC for wireless mobile devices employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC SAR limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum reported value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output of the device.

For more information about SAR, visit:

- **https://www.fcc.gov./general/radio-frequency-safety-0**
- **www.fcc.gov/encyclopedia/specific-absorption-rate-sar-cellular-telephones**

SM-G892U SPR S8 Active.indd 20 10/17/2017 11:30:46 AM

Before a new model device is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the SAR limit established by the FCC. Tests for each model are performed in positions and locations (for example, at the ear, worn on the body, or worn on the wrist) as required by the FCC. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

For typical operation, this device has been tested and meets FCC SAR guidelines. The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines.

SAR values for body-worn operations are measured when used with an accessory that contains no metal and that positions the device a minimum of 1.5 cm from the body.

The FCC safety limit for body-worn SAR is 1.6 watts per kilogram (1.6 W/kg).

This device has FCC ID: A3LSMG892U and [Model Number: SM-G892U]. The FCC ID is also printed somewhere on the mobile device. Depending on the device, you may need to remove the battery to find the FCC ID.

SAR information for this and other devices can be found on the FCC website at:
www.fcc.gov/oet/ea/

SM-G892U SPR S8 Active.indd 21 10/17/2017 11:30:47 AM

Follow the instructions on the website to use the FCC ID to find SAR values for the device.

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

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.

SM-G892U SPR S8 Active.indd 22 10/17/2017 11:30:47 AM

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.

SM-G892U SPR S8 Active.indd 23 10/17/2017 11:30:47 AM

FCC Notice

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.

Samsung Mobile Products and Recycling

WARNING! Never dispose of batteries in a fire because they may explode.

Samsung cares for the environment and encourages its customers to properly dispose of Samsung Mobile Devices and Samsung accessories in accordance with local regulations. In some areas, disposal of these items in household or business trash may be prohibited.

Proper disposal of your Mobile Device and its battery is not only important for safety, it benefits the environment. We've made it easy for you to recycle your old Samsung Mobile Devices and batteries by working with respected take-back companies in every state in the country. Help us protect the environment - recycle!

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

In addition, most carriers will provide a take-back option for proper disposal of products when purchasing new products.

SM-G892U SPR S8 Active.indd 24 10/17/2017 11:30:47 AM

Dispose of other unwanted electronics through an approved recycler. To find the nearest recycling location, go to our website: **www.samsung.com/recyclingdirect** or call 1-877-278-0799.

GPS & AGPS

Certain Samsung Mobile Devices can use a Global Positioning System (GPS) signal for location-based applications. GPS uses satellites controlled by the U.S. Government that are subject to changes implemented in accordance with the Department of Defense policy and the 2008 Federal Radio navigation Plan (FRP). Changes may affect the performance of location-based technology on your mobile device.

Certain Samsung Mobile Devices can also use an Assisted Global Positioning System (AGPS), which obtains information from the cellular network to improve GPS performance. AGPS uses your wireless service provider's network and therefore airtime, data charges, and/or additional charges may apply in accordance with your service plan. Contact your wireless service provider for details.

Your Location

Location-based information includes information that can be used to determine the approximate location of a mobile device. Mobile devices which are connected to a wireless network transmit location-based information. Additionally, if you use applications that require location-

SM-G892U SPR S8 Active.indd 25 10/17/2017 11:30:47 AM

based information (e.g., driving directions), such applications transmit location-based information. The location-based information may be shared with third-parties, including your wireless service provider, applications providers, Samsung, and other third-parties providing services.

Use of AGPS in Emergency Calls

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

AGPS has limitations and **might not work in your area.**

Therefore:

- Always tell the emergency responder your location to the best of your ability; and
- Remain on the mobile device for as long as the emergency responder instructs you.

Navigation

Maps, directions, and other navigation data, including data relating to your current location, may contain inaccurate or incomplete data, and circumstances can and do change over time. In some areas, complete information may not be available. **Therefore, you should always visually confirm that the navigational instructions are consistent with what you see before following them. All users should pay attention to road conditions, closures, traffic, and all other factors that may impact safe driving or walking.**

SM-G892U SPR S8 Active.indd 26 10/17/2017 11:30:48 AM

Always obey posted road signs.

Commercial Mobile Alerting System (CMAS)

This device is designed to receive wireless emergency alerts from the CMAS; also known as Personal Localized Alerting Network (“PLAN”) alerts. If your wireless provider has chosen to participate in CMAS/PLAN, alerts may be available while in the provider’s coverage area. If you travel outside your provider’s coverage area, alerts may not be available. For more information, please contact your wireless provider.

Emergency Calls

This device, like any wireless mobile device, operates using radio signals, wireless and landline networks, as well as user-programmed functions, which cannot guarantee connection in all conditions, areas, or circumstances. Therefore, you should never rely solely on any wireless mobile device for essential communications (medical emergencies, for example). Before traveling in remote or underdeveloped areas, plan an alternate method of contacting emergency services personnel. Remember, to make or receive any calls, the mobile device must be switched on and in a service area with adequate signal strength.

Emergency calls may not be possible on all wireless mobile device networks or when certain network services and/or mobile device features

SM-G892U SPR S8 Active.indd 27 10/17/2017 11:30:48 AM

are in use. Check with local service providers. If certain features are in use (call blocking, for example), you may first need to deactivate those features before you can make an emergency call. Consult your User Manual and your local cellular service provider. When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your mobile device may be the only means of communication at the scene of an accident; do not end the call until given permission to do so.

To make an emergency call:

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

FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices

The U.S. Federal Communications Commission (FCC) has established requirements for digital wireless mobile devices to be compatible with hearing aids and other assistive hearing devices.

When individuals employing some assistive hearing devices (hearing aids and cochlear implants) use wireless mobile devices, they may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and mobile

SM-G892U SPR S8 Active.indd 28 10/17/2017 11:30:48 AM

devices also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless mobile devices to assist hearing device users find mobile devices that may be compatible with their hearing devices. Not all mobile devices have been rated. Mobile devices that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated mobile device successfully. Trying out the mobile device with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Wireless mobile devices rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. M4 is the better/higher of the two ratings. M-ratings refer to enabling acoustic coupling with hearing aids that do not operate in telecoil mode.

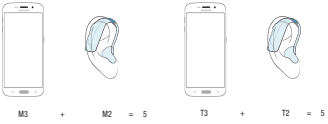
T-Ratings: Mobile devices rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. T4 is the better/higher of the two ratings. T-ratings refer to enabling inductive coupling with hearing aids operating in telecoil mode.

SM-G892U SPR S8 Active.indd 29 10/17/2017 11:30:48 AM

Hearing devices may also be rated. Your hearing aid manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise. Under the current industry standard, American National Standards Institute (ANSI) C63.19, the hearing aid and wireless mobile device rating values are added together to indicate how usable they are together. For example, if a hearing aid meets the M2 level rating and the wireless mobile device meets the M3 level rating, the sum of the two values equals M5.

Under the standard, this should provide the hearing aid user with normal use while using the hearing aid with the particular wireless mobile device. A sum of M6 or more would indicate excellent performance.

However, these are not guarantees that all users will be satisfied. T-ratings work similarly.



The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

HAC for Newer Technologies

This device has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be

SM-G892U SPR S8 Active.indd 30 10/17/2017 11:30:48 AM

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.

Card Tray Removal Tool

Caution! Exercise care when using the card tray removal tool to eject the internal card tray.

Device Temperature

Caution! Some applications or prolonged usage may increase device temperature. Prolonged skin contact with a device that is hot to the touch may produce skin discomfort or redness, or low temperature burns. If the device feels hot to the touch, discontinue use and close all applications or turn off the device until it cools.

Always ensure that the device has adequate ventilation and air flow. Covering the device can significantly affect air flow, may affect the performance of the device, and poses a possible

SM-G892U SPR S8 Active.indd 31 10/17/2017 11:30:48 AM

risk of fire or explosion, which could lead to serious bodily injuries or damage to property. Covering the device can trap any dissipating heat and redirect it back to the device while it's active. Although the device might not currently be in full use, background applications and functions can generate heat that can accidentally be trapped when covered.

Sound and Hearing

Caution! Avoid potential hearing loss by not exposing yourself to loud sounds for a prolonged period of time. The risk of hearing loss increases as sound is played louder and for longer durations. The amount of sound produced by a portable audio device (including headsets, earbuds, and Bluetooth® or other wireless devices) varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings and equipment.

SM-G892U SPR S8 Active.indd 32 10/17/2017 11:30:48 AM

Restricting Children's Access to Your Mobile Device

Your device is not a toy. Do not allow children to play with it because they could hurt themselves and others, damage the device, or make calls that increase your mobile device bill.

Keep the device and all its parts and accessories out of the reach of small children.

SM-G892U SPR S8 Active.indd 33 10/17/2017 11:30:49 AM

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