**SAMSUNG** 

# SMARTPHONE

# **User Manual**

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

**Galaxy Note8** 

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# Special Features

Learn about your mobile device's special features.

## S Pen

The S Pen  $^{\mathbb{N}}$  is a stylus that assists you in performing various functions. For more information, see "S Pen Functions" on page 36.

# 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 49.

# 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 <u>"Face Recognition" on page 53.</u>

#### 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 <u>"Fingerprint Scanner" on page 54.</u>

#### **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 56.

# Water and Dust Resistance

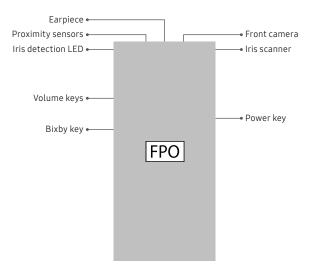
This device is rated IP68 using the Ingress Protection rating system.

For more information, see <u>"Maintaining Water and Dust</u> Resistance" on page 228.

# **Getting Started**

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

# **Front View**



#### · Proximity sensor

- Turns off the screen and disables touch functionality during a call when the device is in close proximity to the body.
- Turns the screen back on and enables touch functionality during a call 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. For more information, see Volume.
- In the camera app, press a volume key to take a photo.

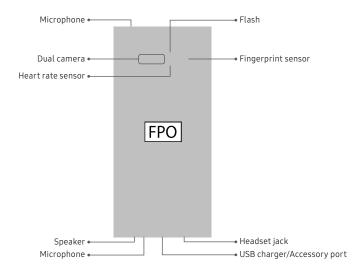
#### Bixby key

 Launch Bixby. For more information, see <u>"Bixby"</u> on page 49.

#### S Pen

 Detach the S Pen stylus for a variety of helpful functions. For more information, see <u>"S Pen</u> Functions" on page 36.

# **Back View**



# Set Up Your Device

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

# **Assemble Your Device**

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

#### Install a SIM Card and 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 install an optional microSD<sup>™</sup> 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 an internal card tray.

- Insert the removal tool into the hole on the SIM card/Memory card tray, and then push until the tray pops out.
- 2. Place the SIM card on the tray with the gold contacts facing down.
- 3. Place the memory card on the tray with the gold contacts facing down.



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 228.

#### Charge the Battery

Your device is powered by a rechargeable battery. A USB charger (charging head and USB cable) is 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 228.

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

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.

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

You can use a Micro-USB cable 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.



- Connect the Micro-USB connector to the USB cable.
- 2. Plug the Micro-USB connect into the device.
- 3. Plug the USB cable into the charging head.

# Start Using Your Device

#### Turn Your Device On or Off

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

#### To turn the device on:

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

#### To turn the device off:

- 1. Press and hold the **Power** key.
- 2. Tap **Power off**, and confirm 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 secure screen lock, see "Set a Secure Screen Lock" on page 193.

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 <sup>™</sup> Account to fully utilize its Android <sup>™</sup> features.

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

Protection" on page 189.

#### Add a Samsung Account

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

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

#### Add an Email Account

View and manage all of your email accounts.

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

#### Transfer Data from Your Old Device

Use Smart Switch<sup>™</sup> 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:

- 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 <u>samsung.com/smartswitch</u> 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, see Voicemail" on page 121.

## S Pen

The S Pen is a stylus that assists you in performing various functions. For more information, see <u>"S Pen Functions" on page 36</u>.



**Note**: To maintain the water-resistant and dust-resistant features of your device, make sure that the S Pen slot and opening are both maintained free of dust and water, and the pen is securely inserted prior to any exposure to liquids.

#### Remove S Pen

The S Pen stores inside your device for convenient access.

- 1. Push the S Pen inward and release it.
- 2. Slide the S Pen out the rest of the way using the notch on the end of the S Pen.



#### Replace the S Pen Tip

You can replace the tip of the S Pen with the included kit.

To replace the tip:

1. Use tweezers to pull out the S Pen tip.



Insert the new pen tip and press until it clicks in place.



# 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.

# **Navigation**

Learn the basics for navigating through your device.

## **Touchscreen Navigation**

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

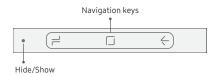
#### Common Options

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.
- III 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.



#### Full Screen 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**.
- 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.
- **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



# Customize Your Home Screen

#### Screens

Your device has 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**.
- Touch and hold an app shortcut to open the options menu.
- Tap Add shortcut to home.

#### To remove a shortcut:

- 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.
- Drag the app shortcut to a new Home screen, and then release it.

#### **Use Folders**

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

page 67.

## 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.
- Tap Wallpapers and themes to customize.
- 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

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

- 1. From a Home screen, pinch the screen.
- 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.
- 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.
  - Tap View all to see downloaded icons.
- Tap an icon, and then tap Apply to apply the selected icon set.

#### **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**.
- 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.

# 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:

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

## 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.

- 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.
- Tap Settings > Display > Easy mode >
  Standard mode.
- 3. Tap **Apply** to exit Easy mode.

# 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<sup>™</sup> 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<sup>™</sup>



New voicemail



New message



File download in progress



File upload in progress



Wi-Fi available



App updates available



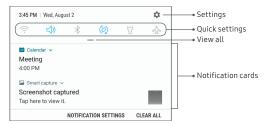
App updates complete

# **Status Bar Display**

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.

# **Notification Panel**



### View the Notification Panel

You can access the Notification panel from any screen.

- 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.
- 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 enable this feature:

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

### **Quick Settings**

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

- 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.
- Drag = View all upward to close the Quick settings.

# S Pen Functions

The S Pen provides a variety of helpful functions.

#### Air View

Hover the S Pen over the screen to preview content or view information about an item on the screen. The following Air view features are available:

- Preview an email message before opening it.
- Preview the contents of a photo album or enlarge a picture.
- Preview a video and navigate to a specific scene by hovering over the timeline.
- View the name or description of an icon or a button.

**Note**: The preview function is only available when the S Pen's on-screen pointer is a solid color.

### Direct Pen Input

When entering text, you can open a Handwriting window that allows you to write with the S Pen.

To use the Handwriting window:

- Hover the S Pen over a text field until
   Handwriting is displayed.
- 2. Tap **W** Handwriting. The Handwriting window is displayed.
- Use the space provided in the window to write an entry by hand using the S Pen. While writing, your entries are converted into text.
  - To edit the converted text, use the Space, Delete, and Enter icons.
  - To change the position of the cursor, drag the pointer below the cursor to the desired position for editing.

### **Configure S Pen Settings**

To configure S Pen settings:

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Settings > Advanced features > S Pen to configure the following settings:

#### General

- Air view: Turn Air view on or off. Select options for Air view and customize.
- **Direct pen input**: Turn the Direct pen input feature on or off.
- Pointer: Turn the pointer on or off. The pointer appears on the screen when the tip of the S Pen is near the screen, showing available actions.

 Screen off memo: Create Screen off memos by detaching the S Pen while the screen is turned off and then writing on the screen. Screen off memos are saved in Samsung Notes.

#### Air Command

- **Shortcuts**: Configure the Air command menu with S Pen features, apps, and functions.
- Floating icon: Show an Air command icon that you can move around the screen.

#### Removal

- When S Pen is removed: Choose what happens when you detach the S Pen. Choose Open Air command, Create note, or Do nothing.
- Alarm: Set your device to sound an alarm and show a pop-up when you walk away without reinserting the S Pen and the screen is off.

 Power saver: Save battery power by turning off detection of the S Pen while it is attached.

#### Feedback

- Sound: Set your device to make sounds when the S Pen is attached and detached, and writing on the screen.
- Vibration: Activate vibration feedback when the S Pen is attached and detached.

#### Other

- Learn about S Pen features: Find out how to use S Pen features.
- About S Pen: View version information for the S Pen features.

#### Air Command

To launch the Air command menu:

Tap Air command.

- or -

Hold the S Pen near the screen so that the pointer appears, and then press the **S Pen** button once.

- 2. Tap an option:
  - **(D)** Create note: Launch a new note in the Samsung Notes app.
  - (i) View all notes: Launch the Samsung
     Notes app and view a listing of the notes you have created.

  - Screen write: Capture screenshots and write or draw on them.

- Live message: Create a short animated message by drawing or writing with the S Pen.
- Translate: Hover the S Pen over a word to see it translated into another language and listen to its pronunciation.
- Add shortcuts: Add more apps or functions to the Air command menu.
- Settings: Customize Air command by configuring apps and functions, and by changing how the Air command menu appears.

#### Create Note

Launch a new note directly in the Samsung Notes app. For more information, see <u>"Samsung Notes" on page 127</u>.

#### View All Notes

Launch the Samsung Notes app and view a listing of the notes you have created.

► Tap **Air command** > **I** View all notes.

#### **Smart Select**

The Smart select feature provides a capture tool to collect content on a screen. You can then add it to your Gallery app or share it with your contacts.

To launch the Smart select tool:

Tap Air command > Smart select.

- Tap a shape at the top of the screen, and then drag a box with the S Pen to select content. The following options appear:
  - Auto select: Allow Smart select to automatically select content to extract.
  - Extracted text: Identify and extract text from the selected content.
  - **Pin to screen**: Place a shortcut to the collected content on a Home screen.
  - Bixby Vision: Use Bixby Vision on the captured content.
  - **Draw**: Draw on the captured content.
  - Share: Choose a sharing method to share your content.
  - Set as: Set the selected content as the Always On Display background.
- Tap Save.

#### Screen Write

Screen write allows you to capture screenshots and write or draw on them

#### To use Screen Write:

- 1. Tap Air command > Screen write.
- The current screen is captured, and a pen tool appears. The following editing tools are provided:
  - Pen: Draw on the screenshot. Press the Pen icon a second time to change the pen tip, size, and color, and to save presets.
  - Eraser: Erase the writing or drawings on the screenshot. Tap the Eraser icon a second time for additional options, including Erase all.
  - Undo: Reverse the last action.

- Redo: Repeat the last action that was undone.
- **Scroll capture**: Capture any scrollable areas of the screen that may be hidden.
- **Crop**: Crop the captured content.
- Share: Choose a sharing method to share your content.
- 2. Tap **Save**. The content is saved to the Gallery app.

## Live Message

Record an animated drawing or written message.
To launch the Live message tool:

- 1. Tap Air command > V Live message.
- Draw an image or write a message. Your strokes will be recorded to create an animation.

### **Translate**

Hover over words with the S Pen to translate them and listen to their pronunciation. To access Translate:

- Tap Air command > a Translate.
- 2. Tap the source and target languages to change them to the desired languages.
- 3. Hover the S Pen over a word.
  - Tap <
     <sup>(1)</sup> Sound to hear the word pronounced in the source language.
- 4. Tap X Close to close Translate.

## **Bixby Vision**

Use Bixby Vision to search for products online, discover new places nearby, translate text, and more. For more information, see "Bixby Vision" on page 95.

### Add Shortcuts

You can customize the Air command menu by adding shortcuts to apps and functions.

To use Add shortcuts:

- Tap Air command > Add shortcuts.
- Tap the apps or functions you would like to add to the Air command menu.
  - To remove an app shortcut, tap Remove.
- 3. Tap **Back** to save your selection.

# Edge Screen

The Edge screen provides a variety of useful tools for notifications, information feeds, and timekeeping.

### **Edge Panels**

Edge panels can be used to access apps, tasks, and contacts, as well as view news, sports, and other information on the Edge screen.

To view Edge panels:

From any screen, drag the Edge panel handle to the center of the screen. Swipe left or right to view other panels.

To configure Edge panels:

 From any screen, drag the Edge panel handle to the center of the screen, and then tap
 Edge panel settings.

- Tap On/Off to enable the feature. The following options are available:
  - Checkbox: Enable or disable each panel.
  - **Edit** (if available): Configure individual panels by tapping.
  - **Download**: Search for and download more Edge panels from Galaxy Apps.
  - More options > Reorder: Change the order of the panels by dragging them to the left or right.
  - More options > Uninstall: Remove an Edge panel from your device.
  - More options > Handle settings: Drag
     Edge panel handle to change the position of the Edge panel handle along the edge of the screen, and then configure the following Edge panel handle settings:

- Position: Choose either Right or Left to set which side the Edge screen appears on.
- Size: Drag the slider to adjust the size of the Edge panel handle.
- Transparency: Drag the slider to adjust the transparency of the Edge panel handle.
- Vibration: Enable vibration when the Edge panel handle is tapped.
- 3. Tap  $\leftarrow$  **Back** to save changes.

### Apps Edge

You can add up to ten apps in two columns to the Apps edge panel.

To use the Apps edge:

- From any screen, drag the Edge panel handle to the center of the screen. Swipe until the Apps edge panel is displayed.
- 2. Tap an app to open it.

To configure Apps edge:

- From any screen, drag the Edge panel handle to the center of the screen. Swipe until the Apps edge panel is displayed.
- 2. Tap (+) Add app to add other apps to the Apps edge.
  - To add an app to the Apps edge, find it on the left side of the screen and tap it to add it to an available space on the right column.

- To create a shortcut for two apps to open in Multi window<sup>™</sup>, tap Create app pair.
- To create a folder shortcut, drag an app from the left side of the screen on top of an app in the columns on the right.
- To change the order of the apps on the Edge panel, drag each app to the desired location.
- To remove an app, tap Remove.
- 3. Tap  $\leftarrow$  **Back** to save changes.

## People Edge

People edge allows you to quickly communicate with contacts in your My people list.

To use People edge:

- From any screen, drag the Edge panel handle to the center of the screen. Swipe until the People edge panel is displayed.
- 2. Tap a contact, and tap **Call** or **Message**.

#### To configure People edge:

 From any screen, drag the Edge panel handle to the center of the screen. Swipe until the People edge panel is displayed.

#### 2. Tap Add contact

- To add a contact, tap Select contact.
- To remove a contact, tap Delete.
- To change the order of the contacts on the Edge panel, drag each contact to the desired location.
- 3. Tap **Back** to save changes.

# **Edge Lighting**

Set the Edge screen to light up when you receive calls or notifications while the device is turned over.

- 1. From a Home screen, swipe up to access Apps.
- Tap Settings > Display > Edge screen >
  Edge lighting.
- 3. Tap **On/Off** to enable the feature.
- 4. Choose one of the following options:
  - When screen is on: Show Edge lighting only when the screen is on.
  - When screen is off: Show Edge lighting only when the screen is off.
  - Always: Show Edge lighting at all times.

### Manage Edge Lighting Notifications

Choose which notifications will light up the Edge screen.

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Settings > Display > Edge screen > Edge lighting.
- Tap Manage notifications to choose the apps that can activate Edge lighting when a notification is received.

#### Edge Lighting Advanced Settings

Customize the color, width, and transparency of the Edge lighting feature.

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Settings > Display > Edge screen >
  Edge lighting.
- 3. Tap **Advanced settings** to customize:
  - Color: Choose between Basic color, App color, or a Custom color.
  - Width: Drag the Width slider to adjust the width of the Edge lighting.
  - Transparency: Drag the Transparency slider to adjust the transparency of the Edge lighting.

## Quick Reply

Reject an incoming phone call with a text message by placing your finger on the heart rate sensor for two seconds. The call is rejected, and a preset message is sent to the caller.

- 1. From a Home screen, swipe up to access **Apps**.
- 2. Tap 🚳 Settings > Display > Edge screen.
- Tap Edge lighting > More options > Quick reply.
  - To edit the text reply, tap the default message.

# About Edge Screen

You can view the current software version and license information for the Edge screen feature.

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Settings > Display > Edge screen > About Edge screen.

# **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.

To view the Bixby webpage:

Press the Bixby key, and then tap Internet.

## **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.

#### Disable the Bixby Key

You can disable the Bixby key. When disabled, you can still press and hold the Bixby key to launch Bixby Voice Assistant (if it is enabled).

- 1. Press the **Bixby** key.
- 2. Tap Settings > On/Off to disable.

### **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:
  - My Bixby: View your Bixby information, and customize quick commands and chat responses.
  - Voice apps and services: View the list of apps and services that Bixby can use.

- Tutorials: View resources to help you learn the best way to use Bixby.
- **Settings**: Customize your Bixby cards and voice settings.
- Promotions: View available promotions from Samsung.
- Notices: View updates from Samsung about Bixby.
- 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.

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

#### Voice Wake-Up

Activate Bixby at any time by saying "Hi Bixby" when this feature is enabled.

- 1. Press the **Bixby** key.
- 2. Tap **More options > Settings > Voice wake-up**.
- 3. Tap **On/Off**, and then follow the prompts.

### Change Bixby's Language

You can customize the language Bixby uses.

- 1. Press the **Bixby** key.
- Tap More options > Settings > Language and speaking style.
- Tap Languages and select the language you want Bixby to use. This will not change the language of the device.

### **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**.
- 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.

#### Internet

Bixby Vision can help you find out more about an image you find in the Internet app.

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Internet.
- Touch and hold an image until a pop-up menu is displayed.
- 4. Tap **Bixby Vision** and follow the prompts.

# Always On Display

View missed calls and message alerts, check the time and date, and view other customized information without unlocking your device.

- 1. From a Home screen, swipe up to access **Apps**.
- 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 Always On Display at all times.
  - Set schedule: If you disable Show always, then set a schedule for when to start and end Always On Display.
- About Always On Display: View the current software version and license information.

Some display settings can appear on both the Lock screen and Always on Display (AOD). For more information, see "Lock Screen and AOD Settings" on page 194.

#### **AOD Themes**

Apply custom themes for Always On Display.

- 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.
- 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 apps. 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**.
- Tap Settings > Lock screen and security > Face recognition.
- 3. Follow the prompts to register your face.

### **Face Recognition**

 $\label{lem:customize} \textbf{Customize how face recognition works.}$ 

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Settings > Lock screen and security > Face recognition for the following options:
  - Remove face data: Delete existing faces.
  - Samsung Pass: Access your online accounts using face recognition.
  - Face unlock: Tap On/Off to enable or disable face recognition security.
  - Face unlock when screen turns on: Unlock your device with face recognition as soon as the screen turns on.
  - Faster recognition: Turn on for faster face recognition. Turn off to increase security and make it harder to unlock using an image or video of your likeness.

# 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**.
- 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**.
- 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 register a fingerprint.
  - 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**.
- 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.
  - 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 <u>samsung.com/us/irisscanner</u>.

### **Register Irises**

 $Register your \, ir is es \, for \, identity \, verification.$ 

- 1. From a Home screen, swipe up to access **Apps**.
- 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**.
- Tap Settings > Lock screen and security > Iris scanner for the following options:

- Remove iris data: Delete existing irises.
- Preview screen mask: Choose a mask to display when using the iris scanner.
- Samsung Pass: Use your irises to verify your identity using Internet and other supported apps.
- Samsung account: Use your irises for identification when logging into your Samsung account.
- Iris unlock: Enable to unlock the device using your irises.
- Iris unlock when screen turns on: Unlock your device with your irises 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  $\rightleftharpoons$  **Recent apps**.
- 2. Tap Aulti 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/App list.
- 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 for 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.
  - X 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**.
- 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 an on-screen keyboard or your voice.



- ► Tap a field to display the Samsung keyboard.
  - Tap Symbol to insert symbols.

### **Option Keys**

Use these special keys when entering text.

- From the Samsung keyboard, touch and hold the Options key for the following:
  - Uvoice input: Use Samsung voice input.
  - Handwriting: Use your handwriting to enter text.
  - Live message: Record an animated drawing or written message.
  - Clipboard: Access the clipboard.
  - $\bigcirc$  **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.

Learn About Your Device

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## Configure the Samsung Keyboard

Set customized options for the Samsung keyboard.

From the Samsung keyboard, touch and hold Options.



- Tap Keyboard settings for options.
  - Languages and types: Set the keyboard type and choose which languages are available on the keyboard.
    - To switch between languages, slide the Space bar sideways.
  - Smart typing: Use predictive text and auto-correction features to prevent common typing mistakes. Type by swiping between letters
  - **Customization**: Use alternative characters. text shortcuts, change the keyboard size, or use a high contrast keyboard.

Other settings: Reset keyboard settings, clear personalized data, and view information about the Samsung keyboard.

## Use Samsung Voice Input

Instead of typing, enter text by speaking.



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

### Configure Samsung Voice Input

Set customized options for Samsung voice input.

- 1. From a Home screen, tap Voice input.
- 2. Tap 🔯 **Settings** for options.
  - Keyboard language: Choose the language for the keyboard.
  - Voice input language: Select the language for Samsung voice input.
  - Hide offensive words: Hide potentially offensive words with asterisks.

# **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.
- 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<sup>™</sup>.
- 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.  $% \label{eq:control_standard}%$ 

- 1. Press and hold the **Power** key.
- 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 "Location" on page 150.

# **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 apps from the Apps list.

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

## Add an Apps Shortcut

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

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

3. Tap Show Apps button > Apply.

## **Galaxy Essentials**

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

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

## **Uninstall or Disable Apps**

Uninstall or disable apps you have download.

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

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

## Sort Apps

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

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

### Create and Use Folders

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

- 1. From a Home screen, swipe up to access **Apps**.
- 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 the 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.
- 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.
- 3. Tap **Delete**, and confirm when prompted.

## App Settings

Manage your downloaded and preloaded apps.

- 1. From a Home screen, swipe up to access **Apps**.
- 2. Tap **Settings** > Apps.
- Tap Menu to set which apps to view, and then choose All apps, Enabled, or Disabled.
- 4. Tap More options for the following options:
  - Sort by size/name: Sort the apps by size or name.
    - Default apps: Choose or change apps that are used by default for certain features, like email or browsing the Internet.
  - App permissions: Control which apps have permissions to use certain features of your device.

- 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.
- Default app selection: Set default apps automatically, or receive an alert before the default app changes.
- Set as default: Set the app as a default for a certain category of apps.

**Note**: Options vary by application.

## Calculator

The Calculator provides basic and advanced arithmetic functions.

- 1. From a Home screen, swipe up to access **Apps**.
- Tap an arithmetic function key, and enter the next number.
- 4. Tap = Equals to view the result.
- 5. Tap Clear to clear the results.

## View Calculator History

View and clear your Calculator history.

- 1. From a Home screen, swipe up to access **Apps**.
- 2. Tap **Samsung** folder > 📒 **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**.
- Tap Samsung folder > (alculator > )
   Unit converter.
- Select a category and use the drop-down menus to choose units of measurement.
- 4. Enter a 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**.
- Tap Samsung folder > 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 (iii) Calendar > : More options.
- 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 (iii) 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**.
- Tap a Calendar, tap an event, and tap again to edit it.
- 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 (a) Calendar, tap an event, and tap again to edit it.
- 3. Tap **Delete**, and confirm when prompted.

### Create a Task

Use your Calendar to create tasks. Tasks are items you add to the calendar to be accomplished on a certain day. A task appears 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 (a) Calendar > View > Tasks.
- 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**.
- Tap Calendar, and tap a day on the calendar to view the tasks for the day, or tap View > Tasks.
- 3. Tap the Checkbox by the task to mark it as complete and remove it from the calendar.
  - To delete a task, tap the task to open it, tap **Delete**, and confirm when prompted.

## **Calendar Settings**

Use Calendar settings to customize your calendar.

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

## Camera and Video



### 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.
- Use the display screen as a viewfinder by aiming the camera at the subject. While composing your picture, use these available options and 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.

## **Bixby Vision**

Turn on Bixby Vision and point your camera at an object or location to search for products online, discover new places nearby, translate text, and more.

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

### Record Videos

Record high-quality videos using your device.

- 1. From a Home screen, swipe up to access **Apps**.
- 2. Tap **area** 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 for 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.

 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.

### Common

- 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 (iii) Camera > (iii) 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.
- Timer: Take time-delayed pictures or videos.
- HDR (rich tone): Enables the light sensitivity and color depth features of the device to produce a brighter and richer picture.

#### 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 your hand out with your palm facing 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.
- HDR (rich tone): Enables the light sensitivity and color depth features of the device to produce a brighter and richer picture.

#### 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 a SIM Card and Memory Card" on page 10.
- 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 ② **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 Oclock > 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**, or swipe
   Dismiss to the left or right.
- 2. To postpone the alarm, tap **Snooze**.

## Delete an Alarm

You can delete an alarm that you created.

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Oclock, 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 current time in multiple cities around the globe.

To list a city on the main World clock screen:

- 1. From a Home screen, swipe up to access **Apps**.
- 2. Tap ② Clock > World clock.
- Tap Add city.
- 4. Tap **Search** and enter the name of the city.
- 5. Tap the city name in the list, and then tap **Add**.

To remove a city from the main World clock screen:

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

## Stopwatch

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

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

## Timer

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

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

## 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 206.

**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**.
- Tap Ocean Contacts > Create contact, and then tap contact fields to enter information.
  - Choose a storage account for the contact. You can store the contact on the device or sync it with an account.
  - Tap 
     Contact photo to assign a picture or an 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 to import contact information from a business card through the device's camera.
- 3. Tap Save.

## Edit a Contact

When editing a contact, you can tap a field and change or delete 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.
- Tap (i) Details > Edit.
- Tap any of the fields to add, change, or delete information.
- 5. Tap Save.

## Share a Contacts

Share a contact by using various sharing methods.

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

## Import Contacts

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

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Ocean Contacts > More options > Manage contacts.
- 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**.
- Tap Ocentacts > More options > Manage contacts.
- 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**.
- Tap Ochtacts, and then tap the contact to select it.
- 3. Tap (i) **Details** > **More options** > **Link contacts**.
- 4. Tap contacts to choose them.
- 5. Tap **Link**.

## **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 (i) **Details**.
- 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 
    .

## Delete Contacts

Delete a single contact or multiple contacts.

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

## Groups

You can 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 O 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.
- 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**.
- Tap (Q) 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 Ocontacts > 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 Ocontacts > More options > Groups, and then tap a group.
- 3. Tap More options > Send email.
- 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 have created.

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

## Contacts Settings

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

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

## **Email**

View and manage all of your email accounts in one app. To add an email account, see <u>"Add an Email Account"</u> on page 15.

### 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.
- Tap the To field to manually add an email address or tap Add from Contacts to select a recipient 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 files, images, audio, and more 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 inhox
  - Tap Edit for additional message options.
  - Tap **Sort by** to customize how messages display.

## View Multiple Email Accounts

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

- 1. From a Home screen, swipe up to access **Apps**.
- 2. Tap 🔯 Email.
- 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 Email Accounts

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 <mark>छ Email</mark>.
- Tap Mailbox > Settings.
  - Under General, tap an option, and then follow the prompts.
  - Tap an account to configure specific settings for only that account.

## **Galaxy Apps**

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

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



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

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

### **View Pictures**

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

- 1. From a Home screen, swipe up to access **Apps**.
- Tap (3) Gallery > Pictures.

- 3. Tap a picture to view it. Swipe left or right to view other pictures or videos.
  - To tag a picture as someone in your Contacts list, tap People.

  - To use Bixby Vision on the current picture, tap
     Bixby Vision. For more information, see
     "Bixby Vision" on the next page.
  - To access the following features, tap

    More options:
    - Slideshow: Start a slideshow of your pictures and videos.
    - Set as profile picture: Set the picture as the profile photo for a contact.

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

## **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**.
- Tap Gallery, and tap Pictures, Albums, or Stories to choose the way items are displayed.
- Tap a picture to view it, or first tap an album or folder, and then tap a picture.
- Tap ♥ Bixby Vision and follow the prompts.

### **Edit Pictures**

Edit pictures stored on your device.

- 1. From a Home screen, swipe up to access **Apps**.
- 2. Tap 🝪 Gallery > Pictures.
- 3. Tap a picture to view it.
  - i Details: View and edit information about the picture, including the date created, location, and properties.
  - Auto adjust: Apply adjustments using built-in correction software. This option is available for pictures taken with the camera.
  - Edit: Use the following tools to edit the picture:
    - Transform: Rotate, flip, crop, or make other changes to the overall appearance of the picture.

- Tone: Adjust the brightness, exposure, contrast, saturation, hue, or white balance.
- Advanced: Adjust the tone curve, color, or backlight.
- Effects: Add color effects.
- Decoration: Overlay images, stickers, labels, or draw on the picture.
- More options > Rotate left or Rotate right to rotate the picture. This option is available for pictures taken with the camera.

## Play Video

Play videos stored on your device.

- 1. From a Home screen, swipe up to access Apps.
- 2. Tap 🝪 **Gallery > Pictures**.
- Tap a video to view it. Swipe left or right to view other pictures or videos.

  - To start a slideshow of your pictures and videos, tap \* More options > Slideshow.
- 4. Tap Play video to play the video.

## Video Enhancer

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

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

### Edit Video

Edit videos stored on your device.

- 1. From a Home screen, swipe up to access **Apps**.
- 2. Tap 🝪 Gallery > Pictures.
- Tap a video to view it.
  - i Details: View and edit information about the video, including the date created, location, and properties.
  - Edit:use the following tools to edit the video:
    - X 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.

## Share Pictures and Videos

Share pictures and videos from the Gallery app.

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

## Delete Pictures and Videos

elete pictures and videos stored on your device.

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

## Take a Screenshot

Capture an image of your screen. 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.

## Android Pay

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

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Android Pay.

Visit <u>support.google.com/androidpay</u> to learn more about Android Pay<sup>™</sup>.

#### 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  $\sup$  or  $\log$  com/chrome to learn more about Chrome  $^{\infty}$ .

#### Drive

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

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

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

# Duo

Make one-to-one video calls.

- 1. From a Home screen, swipe up to access **Apps**.
- 2. Tap 💿 **Duo**.

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

#### **Gmail**

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

- 1. From a Home screen, swipe up to access **Apps**.
- 2. Tap M Gmail.

Visit <u>support.google.com/mail</u> to learn more.

# Google

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

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

# Maps

Get directions and other location-based information. You must enable location services to use Google Maps. For more information, see "Location" on page 150.

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

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

# **Photos**

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

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

Visit <u>support.google.com/photos</u> to learn more about Google Photos $^{\infty}$ .

# Play Movies & TV

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

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

Visit <u>play.google.com/store/movies</u> 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.

 $\label{eq:Visit} \textbf{Visit} \\ \underline{\textbf{support.google.com/music}} \\ \text{to learn more}.$ 

# **Play Store**

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

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

Visit <a href="mailto:support.google.com/play">support.google.com/play</a> to learn more.

# YouTube

View and upload YouTube  $^{\text{\tiny M}}$  videos right from your device.

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

 $\label{total visit} \textbf{Visit} \\ \underline{\textbf{support.google.com/youtube}} \\ \textbf{to learn more.} \\$ 

# Internet

Access the Internet with a fully-featured web browser.

- 1. From a Home screen, swipe up to access **Apps**.
- 2. Tap **Samsung** folder > <mark> Internet</mark>.
- Tap the address field, enter the web address, and then tap Go on the keyboard.
  - Add to Bookmarks: Add the current web page to bookmarks.
  - Refresh: Refresh or reload the current web page.
  - Back or Back: Return to the previous page.
  - > Forward: Go forward to a recent page.
  - \widehat Home: Display your Internet Home screen.
  - Bookmarks: Manage bookmarked pages, saved pages, and history.

 Tabs: Manage open tabs. The number on the icon indicates the number of tabs that are currently open.

## Quick Menu

Access common features of your browser.

- ► Tap **① Quick menu** for the following options:
  - Share: Share the web page with others.
  - Dew tab: Open a new tab.
  - Web page text size: Change the text size.
  - **(II)** Web page text size: Change the text size.
  - 🗊 **Web page text size**: Change the text size.

# Browser Tabs

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

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

#### **Bookmarks**

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

#### Save a Bookmark

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

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

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## Open a Bookmark

Quickly launch a web page from the Bookmarks page.

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

#### Save a Web Page

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

- 1. From a Home screen, swipe up to access **Apps**.
- 2. Tap **Samsung** folder > **OInternet**.
- 3. Tap More options > Save webpage.
- 4. Tap a bookmark entry.

# Share Pages

Web pages can be shared with your contacts.

- 1. From a Home screen, swipe up to access **Apps**.
- 2. Tap **Samsung** folder > Internet.
- 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 turn on Secret mode:

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

- Tap **Tabs**.
- 4. Tap Turn on secret mode.
- 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.
- Tap More options > Settings.
- 4. Tap an option and follow the prompts.

# Messages

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

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

- Attach: Add an attachmentto your message.
- Emoticon: Choose an available emoticon from the list and add it into your message at the cursor location.
- 5. Review the message and tap Send.

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

## 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**.
- Tap 
   Settings > Advanced features > Send SOS
   messages, and then tap On/Off to enable this
   feature.

- 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 five-second audio recording in your SOS message, tap Attach audio recording.
- Press the **Power** key quickly three times to send an SOS message.

# View Messages

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Messages, and then tap a message to view it.
  - To play an audio or video attachment, 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.
- 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.

Apps

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## Message Search

Search through your messages by using the search feature.

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

# **Messages Settings**

Configure the settings for text and multimedia messages.

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

## **Emergency Alerts**

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

- 1. From a Home screen, swipe up to access **Apps**.
- 3. Tap **Emergency alerts**.
  - · All alerts are enabled by default.
- 4. Tap an alert option to disable it.

**Note**: Alerts issued by the President cannot be disabled.

# My Files

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

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

## File Groups

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

- Recent files: View recently accessed files.
  - This option appears if one or more files have been accessed recently.
- Categories: View your files based on the file type.

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

#### Cloud

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

## My Files Options

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

- From a Home screen, swipe up to access Apps.
- 2. Tap **Samsung** folder > My Files. The following options are available:
  - Q Search: Search for a file or folder.
  - More 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.

# PEN.UP

Share photos, comment on other creations, or just browse through the pages for something to add to your personal collection. This community brings together anyone that uses the S Pen to draw, sketch, scribble or paint.

- 1. From a Home screen, swipe up to access **Apps**.
- 2. Tap **Samsung** folder > **(A) PEN.UP**.

# Phone



Devices and software are constantly evolving — the illustrations you see here are for reference only. 113

#### Make a Call

Make a call from a Home screen.

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

#### **Enable Swipe to Call**

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

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

#### Make a Call from Recents

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

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

#### Make a Call from Contacts

Call a contact from the Contacts app.

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

#### Direct Calls

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

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

#### Answer a Call

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

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

– or –

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

#### Decline a Call

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

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

- or -

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

#### Decline with Message

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

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

- or -

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

#### End a Call

Tap End when you are ready to end your call.

#### Actions While On a Call

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

#### Adjust the Call Volume

 Press the Volume keys to increase or decrease the volume.

- or -

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

#### Switch to Headset or Speaker

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

► Tap <\( \int \) **Speaker** to hear the caller using the speaker.

- or -

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

#### Multitask

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

To return to the call screen:

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

To end a call while multitasking:

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

# Call Log

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

- 1. From a Home screen, tap 🕓 Phone.
- 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.
- Tap the call that contains the information that you want to save to your Contacts list.
- 4. Tap i 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**.
- 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.
- Tap Recents.
- 3. Tap the caller you want to add to the Block list.
- Tap (i) Details > More options > Block number, and confirm when prompted.

You can also modify your 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 Assignment

You can assign 999 speed dial numbers.

- 1. From a Home screen, tap 🕓 **Phone**.
  - Tap Keypad if the keypad is not displayed.
- 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.

- 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 **(III) 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 **S** Phone.
- Tap More options > Speed dial.
- 3. Find the contact to remove from Speed dial.
- 4. Tap Remove.

# **Emergency Calls**

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

- 1. From a Home screen, tap 🕓 Phone.
- 2. Enter the emergency telephone number (911 in North America) and tap **Call**.
- 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 Sphone upward to open the call screen.
- Tap Emergency call to display the Emergency dialer.
- 3. Enter the emergency telephone number (911 in North America) and tap Call.
- 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 <u>"Set Up</u> Your Voicemail" on page 17.

- 1. From a Home screen, tap 🌑 Phone > Voicemail.
  - -or-

From a Home screen, swipe up to access **Apps**, and then tap **T-Mobile** folder > **Visual Voicemail**.

- 2. You may be prompted to enter a password.
- 3. Follow the voice prompts from the voicemail center.

# **Optional Calling Services**

#### Place a Multi-Party Call

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

- From the active call, tap + Add call to dial the second call.
- 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 **S** 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.

#### Wi-Fi Calling

Make calls over Wi-Fi when you are connected to a Wi-Fi network. Wi-Fi Calling is a service provided by your wireless service provider. Please contact your wireless service provider for details.

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Settings > Connections > More connection settings > Wi-Fi calling.
- 3. Tap **On/Off** to enable this feature.
- 4. Follow the prompts to set up and configure Wi-Fi Calling.

# Phone Settings

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

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

# Samsung Connect

Control 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**.
- Tap Samsung folder > Samsung Connect, and sign in with your Samsung account.
- 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<sup>™</sup> 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**.
- Tap Samsung folder > Samsung Health, and read and accept the terms and conditions.
- 3. Set up your health profile and goals.

# **Before You Start Exercising**

Although the Samsung Health application is a great companion to your exercise routine, it is always best to make sure you consult with your physician before beginning any exercise regimen. While moderate physical activity, such as brisk walking, is safe for most people, health experts suggest that you talk with your doctor before you start an exercise program, particularly if you have any of the following conditions:

 Heart disease; asthma or lung disease; diabetes, or liver or kidney disease; arthritis.

Before beginning your exercise regimen check with your doctor if you have symptoms suggestive of heart, lung, or other serious disease, such as:

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

It is recommended that before engaging in an exercise routine, you consult with your doctor or medical practitioner. If you are unsure of your health status, have several health problems, or are pregnant, you should speak with your doctor before starting a new exercise program.

# Samsung Notes

Use Samsung Notes to write and save notes.

- 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 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**

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. Tap Save.

#### **Browse Notes**

Browse notes you create.

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

## **Notes Options**

You can edit, share, or manage notes.

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

# Samsung Pay

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

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

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

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

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

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

## **Use Samsung Pay**

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

**Note**: Make sure the NFC feature is enabled on your device. For more information, see "NFC and Payment" on page 145.

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

# Simple Pay

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

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

To use Simple Pay:

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

# **Use Gift Cards with Samsung Pay**

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

To view the list of supported retailers:

- 1. Visit samsung.com/us/samsung-pay.
- 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 195.

For more information about Samsung Pay, visit samsung.com/us/samsung-pay.

# Samsung+

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

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

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

# Secure Folder

Lock your private content and apps to enhance security.

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

For more information, see <u>"Secure Folder" on page 197</u>.

# **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.
- Tap Samsung folder > Smart Switch.

For more information, see <u>"Transfer Data from Your Old</u> Device" on page 16.

# T-Mobile Apps

Certain apps require a data plan or paid subscription. Visit <u>t-mobile.com</u> to learn more or contact your service provider for additional information.

#### **Device Unlock**

Your device is network locked. Use Device Unlock to inquire about your device's unlock eligibility.

 From a Home screen, swipe up to access Apps, and then tap T-Mobile folder > Device Unlock.

#### **Facebook**

Keep up with friends and family with the Facebook  $^{\bowtie}$  app. Share updates, photos, and videos, as well as text, chat, and play games.

From a Home screen, swipe up to access **Apps**, and then tap **f Facebook**.

#### NAME ID

Modify Caller ID information. Name ID identifies unknown callers by Name, City, and State.

From a Home screen, swipe up to access Apps, and then tap T-Mobile folder > MAME ID.

#### T-Mobile

Get online access to account information such as your current activity, billing information, service plans, downloads, and more.

► From a Home screen, swipe up to access Apps, and then tap T-Mobile folder > ⊕ T-Mobile.

## T-Mobile TV

Watch live TV and Video On Demand.

**Note**: A data plan is required to use this feature. Charges may apply. Please contact your service provider for further details.

From a Home screen, swipe up to access Apps, and then tap T-Mobile folder > T-Mobile TV.

#### Visual Voicemail

Easily manage your inbox without ever dialing into your voicemail.

 From a Home screen, swipe up to access Apps, and then tap T-Mobile folder > Visual
 Voicemail.

# Settings

Configure your device's connections and 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.

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

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# Connections

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

#### Wi-Fi

Connect your device to a Wi-Fi network.

- 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

Connect your device to a Wi-Fi network that is hidden.

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

- Tap Settings > Connections > Wi-Fi, and then tap On/Off to turn on Wi-Fi.
- Tap (+) Add network at the bottom of the list.
- 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.
- Tap Connect to store the new information and connect to your target wireless Access Point.

#### Wi-Fi Preferences

Customize 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:
  - Adaptive Wi-Fi: Automatically switch between Wi-Fi and mobile data, and save frequently used Wi-Fi networks.
  - Smart network switch: Connect automatically to a mobile network connection when the Wi-Fi connection is unstable. When the Wi-Fi signal is strong, it will switch back to Wi-Fi connection.
  - **Secure Wi-Fi**: Set extra privacy protection while using unsecured Wi-Fi networks.

- Network notification: Receive notifications when open networks in range are detected.
- Hotspot 2.0: Connect automatically to Wi-Fi access points that support Hotspot 2.0.
- Manage networks: View your saved Wi-Fi networks.
- WPS push button: Connect to a Wi-Fi network by pressing the WPS button on a router.
- WPS PIN entry: Connect to a Wi-Fi network by entering your WPS PIN.
- Keep Wi-Fi on during sleep: Specify whether to disconnect from Wi-Fi when the device is asleep.
- 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 uses Wi-Fi capability to share data between devices. A Wi-Fi network connection is not required.

- 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 Wi-Fi Direct.

- Your device scans for discoverable Wi-Fi Direct devices. To scan again, tap Scan.
- 4. Tap a device, and then follow the prompts to connect.

#### Share Data with Wi-Fi Direct

Share data with another device using Wi-Fi Direct.

- From an app, tap 

  Share or More options 

  Share.
- 2. Tap **Wi-Fi Direct** and follow the prompts.

#### Receive Data with Wi-Fi Direct

When another device attempts to send a file to your device using Wi-Fi Direct, you will see a request to accept the file.

- 1. Tap Accept.
- To open the file, drag down the Notification panel and tap File received.

#### Disconnect from Wi-Fi Direct

Disconnect your device from a Wi-Fi Direct device.

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

#### Bluetooth

Bluetooth allows you to pair your device to another Bluetooth-enabled device. 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**.
- Tap Settings > Connections > Bluetooth, and then tap On/Off to turn on Bluetooth.
  - Your device scans for discoverable Bluetooth devices. To scan again, tap Scan.
- 3. Tap a device, and follow the prompts to connect.

#### Rename a Paired Device

Rename a paired device to make it easier to recognize.

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

- From an app, tap 

  Share or More options 

  Share.
- 2. Tap **Bluetooth** and follow the prompts.

#### Receive Data with Bluetooth

When another device attempts to send a file to your device using Bluetooth, you will see a request to accept the file.

- Tap Accept.
- 2. To open the file, drag down the Notification panel and tap **File received**.

#### 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**.
- Tap Settings > Connections > Bluetooth, and then tap On/Off to turn on Bluetooth.
- 3. Tap Settings next to the paired device, and then tap Unpair to delete the paired device.

## Phone Visibility

Allow other devices to find your mobile device and transfer files

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

## Data Usage

View your current mobile and Wi-Fi data usage.

- 1. From a Home screen, swipe up to access **Apps**.
- 2. Tap ( Settings > Connections > Data usage.

#### **Enable Data Saver**

Prevent selected apps from sending or receiving data in the background.

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Settings > Connections > Data usage > Data saver.
- 3. Tap **On/Off** to turn Data saver on.
  - To allow some apps to have unrestricted data usage, tap Allow app while Data saver on, and tap On/Off next to each app to specify restrictions.

#### Monitor Mobile Data

Enable mobile data to access the Internet through your mobile network.

- 1. From a Home screen, swipe up to access **Apps**.
- 2. Tap 🧐 **Settings > Connections > Data usage**.
- Tap Mobile data to enable. The following options are available:
  - Alert me about data usage: Receive alerts when mobile data use reaches a warning amount you set.
  - Mobile data usage: Monitor mobile data usage by app.
  - Billing cycle and data warning: Set the day of the month to start the bill cycle for your device.

#### Monitor Wi-Fi Data

View your Wi-Fi data usage and set restrictions for Wi-Fi networks.

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

- 1. From a Home screen, swipe up to access **Apps**.
- 2. Tap ( Settings > Connections > Airplane mode.
- 3. Tap **On/Off** to enable these feature.

### NFC and Payment

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

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Settings > Connections > NFC and payment.
- 3. Tap **On/Off** to enable this feature.

#### Android Beam

Share content to another NFC-capable device by touching the backs of the devices.

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Settings > Connections > NFC and payment, and then tap On/Off to enable NFC.
- Tap Android Beam, and then tap On/Off to enable this feature.

#### Share Data with Android Beam

Use Android Beam to transfer information to another NFC-capable device.

- From an app, tap Share or More options > Share.
- 2. Tap **Android Beam** and follow the prompts.

#### Tap and Pay

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

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Settings > Connections > NFC and payment, and then tap On/Off to enable NFC.
- Tap Tap and pay, and tap an app to set it as the default payment method.
  - To specify when to use the default app, tap
     If open app supports Tap and pay.

## Mobile Hotspot

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

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

## Connect a Device to Your Mobile Hotspot

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

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Settings > Connections > Mobile hotspot and tethering > Mobile hotspot.
- Tap On/Off to turn on Mobile hotspot.
- 4. Activate Wi-Fi on the target device.

- Scan for Wi-Fi hotspots and select your device's Mobile hotspot.
- Enter your device's Mobile hotspot password on the target device.

## Change the Mobile Hotspot Password

Change your Mobile Hotspot password.

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Settings > Connections > Mobile hotspot and tethering > Mobile hotspot.
- 3. Tap the password and enter a new password.
- Tap Save.

#### Allowed Devices List

Control which devices can connect to your Mobile hotspot.

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Settings > Connections > Mobile hotspot and tethering > Mobile hotspot.
- 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**.
- Tap Settings > Connections > Mobile hotspot and tethering > Mobile hotspot.
- 3. Tap More options > Configure mobile hotspot for the following settings:
  - Network name: View and change the name of your Mobile hotspot.
  - Hide my device: Prevent your Mobile hotspot from being discoverable by other devices.
  - Broadcast network name (SSID): Make your device visible to others.
  - Security: Choose the security level for your Mobile hotspot.

- Password: If you choose a security level that uses a password, you can view or change it.
- Show advanced options: Configure additional Mobile hotspot settings, including channels and frequency.

#### Wi-Fi Sharing

Share your device's Wi-Fi network with other devices, without having to enter the Wi-Fi password.

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

## **Tethering**

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

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Settings > Connections > Mobile hotspot and tethering.
- 3. Connect the computer to the device using a USB cable, and then tap **USB tethering**.

#### Mobile Networks

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

- 1. From a Home screen, swipe up to access Apps.
- Tap Settings > Connections > Mobile networks
  for options:
  - Data roaming: Enable or disable data while roaming on other mobile networks.
  - 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.

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

## 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.

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

#### Connect to a Printer

Connect your device to a printer on the same Wi-Fi network.

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

#### MirrorLink

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

To use this feature, your car system must support MirrorLink. For more information, visit <u>mirrorlink.com</u>.

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

#### **Download Booster**

Download booster improves download speed by using both Wi-Fi and 4G LTE networks at the same time when downloading files over 30 MB in size.

Note: Download booster uses mobile data services.

To turn on Download booster:

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Settings > Connections > More connection settings > Download booster.
- 3. Tap **On/Off** to enable Download booster.

## Virtual Private Networks (VPN)

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 <u>"Set a Secure Screen Lock" on page 193</u>.

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

#### Manage a VPN

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

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Settings > Connections > More connection settings > VPN.
- Tap Settings next to a VPN.
- 4. Edit the VPN and tap Save.

- or -

Tap **Delete** to delete the VPN.

#### Connect to a VPN

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

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

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#### 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**.
- Tap Settings > Connections > More connection settings > VPN.
- 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**.
- Tap Settings > Connections > More connection settings > VPN.
- 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.

#### Ethernet

 $Connect \ to \ a \ network \ using \ an \ Ethernet \ connection.$ 

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

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: Use vibration only for notifications and alerts
  - Mute: Set your device to make no sounds.
    - Temporary mute: Set a time limit for muting the device.

## Easy Mute

Mute sounds and videos 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.

- 1. From a Home screen, swipe up to access **Apps**.
- 2. Tap **Settings** > Sounds and vibration.
- 3. Tap options to customize:
  - Vibrate while ringing: Set your device to vibrate in addition to ringing when you receive a call.
  - Vibration intensity: Set vibration intensity levels for calls, notifications, and feedback by dragging the sliders.
  - Vibration pattern: Choose from preset vibration patterns or create your own pattern.

#### Volume

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

- 1. From a Home screen, swipe up to access **Apps**.
- 2. Tap Settings > Sounds and vibration > Volume, and drag the sliders.

**Note**: You can also use the **Volume key** to adjust the volume. Tap **More** to customize all volume options.

#### Use Volume Keys for Media

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

- 1. From a Home screen, swipe up to access **Apps**.
- 2. Tap 🚳 Settings > Sounds and vibration.

- Tap Use Volume keys for media to enable this feature.
- 4. Tap **On/Off** to enable this feature.

#### Media Volume Limiter

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

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

#### Set the Volume

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

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

### Ringtone

 $Choose \ from \ preset \ ringtones \ or \ add \ your \ own.$ 

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

Customize notification sounds for certain apps or choose a default for all notifications.

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Settings > Sounds and vibration >
   Notification sounds and tap an option to customize notifications.

#### Do Not Disturb

Set your device to mute all or some notifications and sounds during specific time periods.

- From a Home screen, swipe up to access Apps.
- 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.
  - App rules: Manage rules set by apps.
  - 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.
- 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.
  - Keyboard vibration: Enable vibrations when the Samsung keyboard is tapped.

## Sound Quality and Effects

Choose from advanced sound options to customize your audio experience.

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Settings > Sounds and vibration > Sound quality and effects. The following options are available:
  - **Equalizer**: Choose an audio preset that is customized to different genres of music.
  - Advanced/Basic: Manually adjust various sound qualities.
  - 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.
- Adapt sound: 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 device.

- 1. From a Home screen, swipe up to access Apps.
- 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.
- Tap On/Off next to an app or All apps to enable or disable notifications.

## 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 193.

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 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**.
- Tap Settings > Advanced features > Smart alert, and tap On/Off to enable.

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## Display

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

## Screen Off Settings

Customize when the screen turns off.

- 1. From a Home screen, swipe up to access **Apps**.
- 2. Tap **Settings** > **Display**.
- 3. Tap an option to customize:
  - Screen timeout: Turn the screen off after a set amount of time.
  - 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.
  - Screen saver: Display colors or images after the screen has turned off or while charging.

## 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.
- 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:
  - Tap **Turn on now** to enable this feature.
  - Tap Turn on as scheduled to set a schedule for when Blue light filter should be enabled. You can choose Sunset to sunrise or Custom schedule.
- Drag the **Opacity** slider to set the opacity of the filter.

## Screen Quality

Customize the screen mode and resolution to match your viewing preferences.

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Settings > Display.
- 3. Tap an option to customize:
  - Screen mode: Choose Adaptive display or 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.

#### 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**.
- Tap Settings > Display > Full screen apps and tap apps to enable this feature.

### **LED Indicator**

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

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Settings > Display > LED indicator to enable the feature.

## Block Accidental Touches

Prevent the screen from detecting touch input 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 > Block accidental touches to enable or disable the feature

## Screen Off Settings

Customize when the screen turns off

- 1. From a Home screen, swipe up to access Apps.
- 2. Tap 
  Settings > Display.
- 3. Tap an option to customize:
  - Screen timeout: Turn the screen off after a set amount of time.
  - 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.
  - Screen saver: Display colors or images after the screen has turned off or while charging.

# **Smart Stay**

Smart stay uses the front camera to detect your face so that the screen stays on while you are looking at it.

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

# 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**.
- Tap 
   Settings > Advanced features >
   One-handed mode.
- 3. Tap **On/Off** to enable 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.

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# 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**.
- Tap Optimize now.

# **Battery**

View how battery power is used for device activities.

- 1. From a Home screen, swipe up to access Apps.
- Tap Settings > Device maintenance > Battery for options:
  - Battery usage: View details of battery usage by item.
  - Battery usage: View details of battery usage by item.
  - **Battery usage**: View details of battery usage by item. 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.
- 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 a SIM Card and Memory Card" on page 10.

### **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

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

- 1. From a Home screen, 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

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

- 1. From a Home screen, swipe up to access **Apps**.
- 2. Tap (iii) 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.
- 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.
- Tap (+) Add language, and select a language from the list.
- Touch and hold \$\sigma\$ 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**.
- 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<sup>™</sup> typing.

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

## **Handwriting Recognition**

Change the language used for handwriting recognition in Samsung Notes.

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Settings > General management >
   Language and input > Language (under
   Handwriting recognition).
- 3. Tap a language to set it.
  - To load more languages, tap Select input languages.

### **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**.
- 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**.
- Tap Settings > General management > Language and input.
- 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.

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

### Collect Diagnostics

Collect diagnostic data for troubleshooting.

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Settings > General management > Reset >
   Collect diagnostics. The following options are
   available to choose:
  - Diagnostics: Help T-Mobile troubleshoot your device issues.
  - **Issue assist**: Optimized Wi-Fi connectivity and diagnose network issues.
  - Personalized offers: Receive T-Mobile offers that will improve your experience.

### **Auto Restart**

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

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Settings > General management > Reset >
  Auto restart.
- 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.

# Factory Data Reset

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

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

**Note**: When you sign in to a Google Account on your device, Factory Reset Protection is activated. This protects your device in the event it is lost or stolen.

For more information, see <u>"Factory Reset Protection" on</u> the next page.

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

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

### Before resetting your device:

- 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.
- Tap Settings > General management > Reset > Factory data reset.
- 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.

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 188.

Caution: Before shipping your device back to Samsung or taking it to your nearest Samsung-authorized service center, you should remove your Google Account before resetting the device back to factory settings. For more information, visit samsung.com/us/support/frp.

### **Enable Factory Reset Protection**

Adding a Google Account to your device automatically activates the FRP security feature.

### Disable Factory Reset Protection

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

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Settings > Cloud and accounts > Accounts
   Google.
- 3. Tap More options > Remove account.

# Software Update

Check for and install available software updates for your device.

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Settings > Software update for the following options:
  - Download updates manually: Check for software updates.
  - Scheduled software updates: Resume an update that was interrupted.

# 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**.
- Tap Settings > Lock screen and security >
   Screen lock type and tap a secure screen lock (Pattern, PIN, or Password).

- 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 <u>"Face</u> Recognition" on page 53.
- Fingerprint scanner: Use fingerprint recognition to unlock the screen. For more information, see "Fingerprint Scanner" on page 54.
- Iris scanner: Use iris recognition to unlock the screen. For more information, see "Iris Scanner" on page 56.

# Lock Screen and AOD Settings

Configure display settings for the Lock screen.

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

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

# Secure Folder

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

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

# App Permission Monitor

Get notified when permissions you select are being used by apps running in the background.

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Settings > Lock screen and security > App permission monitor.
- Tap On/Off next to the apps you want to be notified about when they use certain permissions.

# 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.
- 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**.
- Tap Settings > Lock screen and security > Encrypt SD card.
- Tap Encrypt SD card and follow the prompts to encrypt all data on your memory card.

Factory Data Reset Password

# Set Up SIM Card Lock

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

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

# View Passwords

Display password characters briefly as you type them.

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

- 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**.
- 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 193.
  - 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**.
- Tap Settings > Cloud and accounts > Samsung Cloud.
  - If a Samsung account has not been added, follow the prompts to add one.
- 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.
- 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**.
- 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**.
- Tap Settings > Cloud and accounts > Accounts > [Account type].
- Tap an account to view the sync settings for that account.
- 4. Tap individual data items to sync.
- 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**.
- Tap Settings > Cloud and accounts > Accounts > [Account type].
- 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**.
- Tap Settings > Cloud and accounts > Accounts > [Account type].
- 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**.
- 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.
- 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 <a href="mailto:accessibility@sea.samsung.com">accessibility@sea.samsung.com</a>.

### 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 then 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.

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## 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: Automatically click on an item after the pointer stops over it.
- Interaction control: Customize interactable or non-interactable areas, hardkeys, and the keyboard.

# More Accessibility Settings

Customize additional accessibility features for your device.

- 1. From a Home screen, swipe up to access **Apps**.
- 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 184.
  - 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.
- Accessibility settings backup: 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**.
- 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**.
- Tap Settings > Advanced features > Games > Game launcher.

## Device Assistance App

Device assistance apps help you by gathering information from the screen currently shown.

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

### **Dual Messenger**

Use two separate accounts for the same app.

- 1. From a Home screen, swipe up to access **Apps**.
- Tap Settings > Advanced features > Dual messenger.
- Tap On/Off next to supported apps to enable the feature for each app.

#### **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**.
- 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: <a href="mailto:samsung.com/us/Legal/Phone-HSGuide">samsung.com/us/Legal/Phone-HSGuide</a>
- Spanish: <a href="mailto:samsung.com/us/Legal/Phone-HSGuide-SP">samsung.com/us/Legal/Phone-HSGuide-SP</a>

#### Tablet:

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

#### End User License Agreement:

- English: <a href="mailto:samsung.com/us/Legal/SamsungLegal-EULA4">samsung.com/us/Legal/SamsungLegal-EULA4</a>
- Spanish: samsung.com/us/Legal/SamsungLegal-EULA4/#SPANISH

#### Find Legal Information on the Mobile Device

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

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

#### **Intellectual Property**

All Intellectual Property, as defined below, owned by or which is otherwise the property of Samsung or its respective suppliers relating to the Product, including but not limited to, accessories, parts, or software relating thereto, is proprietary to Samsung and protected under federal laws, state laws, and international treaty provisions. Intellectual Property includes, but is not limited to, inventions (patentable or unpatentable), patents, trade secrets, copyrights, software, computer programs, and related documentation and other works of authorship.

You may not infringe or otherwise violate the rights secured by the Intellectual Property. Moreover, you agree that you will not (and will not attempt to) modify, prepare derivative works of, reverse engineer, decompile, disassemble, or otherwise attempt to create source code from the software. No title to or ownership in the Intellectual Property is transferred to you. All applicable rights of the Intellectual Property shall remain with Samsung and its suppliers.

#### **Open Source Software**

Some software components of this product, including but not limited to 'PowerTOP' and 'e2fsprogs', incorporate source code covered under GNU General Public License (GPL), GNU Lesser General Public License (LGPL), OpenSSL License, BSD License and other open source licenses. To obtain the source code covered under the open source licenses, please visit: opensource.samsung.com

#### **HEVC Patents**



**Covered by Patents at** patentlist.hevcadvance.com

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YOUR USE OF THIS PRODUCT IN CONNECTION WITH HEVC ENCODED CONTENT IS DEEMED ACCEPTANCE OF THE LIMITED AUTHORITY TO USE AS NOTED ABOVE.

## Disclaimer of Warranties; Exclusion of Liability

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

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

- merchantability of the product or its fitness for any particular purpose or use;
- design, condition or quality of the product;
- · performance of the product;
- workmanship of the product or the components contained therein; or
- compliance of the product with the requirements of any law, rule, specification or contract pertaining thereto.

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

#### Modification of Software

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

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

#### Samsung Knox

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

## 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.

## 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.

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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.