

**SAMSUNG**  
**Galaxy S21 5G**  
**Galaxy S21+ 5G**  
**Galaxy S21 Ultra 5G**



**User manual**

# Contents

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## Features

[S Pen](#) | [Mobile continuity](#) | [Bixby](#) | [Biometric security](#) | [Dark mode](#)

## Getting started

**Device layout:** [Galaxy S21 5G](#) | [Galaxy S21+ 5G](#) | [Galaxy S21 Ultra 5G](#)

**Set up your device:** Charge the battery | Wireless power sharing

**Start using your device:** Turn on your device | Use the Setup Wizard | Transfer data from an old device | Lock or unlock your device | Side key settings | Accounts | Set up voicemail | Navigation | Navigation bar | Customize your home screen | [S Pen](#) | [Bixby](#) | Digital wellbeing and parental controls | Always On Display | Biometric security | Mobile continuity | Multi window | Edge panels | Enter text | Emergency mode

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

## Camera and Gallery

**Camera:** Navigate the camera screen | Configure shooting mode | AR Zone | Scene optimizer | Single take | Space Zoom | Record videos | Director's view | Zoom-in mic | Camera settings

**Gallery:** View pictures | Edit pictures | Play video | Video enhancer | Edit video | Share pictures and videos | Delete pictures and videos | Group similar images | Take a screenshot | Screen recorder

## Mobile continuity

[Link to Windows](#) | [Samsung DeX](#) | Continue apps on other devices

## Samsung apps

[Galaxy Essentials](#) | [AR Zone](#) | [Bixby](#) | [Galaxy Shop](#) | [Galaxy Store](#) | [Galaxy Wearable](#) |  
[Game Launcher](#) | [PENUP](#) | [Samsung Free](#) | [Samsung Global Goals](#) | [Samsung Members](#) |  
[Samsung TV Plus](#) | [SmartThings](#) | [Tips](#) | [Calculator](#) | [Calendar](#) | [Clock](#) | [Contacts](#) |  
[Internet](#) | [Messages](#) | [My Files](#) | [Phone](#) | [Samsung Health](#) | [Samsung Notes](#) | [Samsung Pay](#)

## Google apps

[Chrome](#) | [Drive](#) | [Duo](#) | [Gmail](#) | [Google](#) | [Google Pay](#) | [Maps](#) | [Photos](#) | [Play Movies & TV](#) |  
[Play Store](#) | [YouTube](#) | [YT Music](#)

## Microsoft apps

[Outlook](#) | [LinkedIn](#) | [Office](#) | [OneDrive](#)

## Settings

**Connections:** [Wi-Fi](#) | [Bluetooth](#) | [NFC and payment](#) | [Airplane mode](#) | [Mobile networks](#) |  
[Data usage](#) | [Mobile hotspot](#) | [Tethering](#) | [Nearby device scanning](#) | [Connect to a printer](#) |  
[Virtual Private Networks](#) | [Private DNS](#) | [Ethernet](#) | [Network unlock](#)

**Customization:** [Display](#) | [Notifications](#) | [Sounds and vibration](#)

**Security:** [Lock screen and security](#) | [Face recognition](#) | [Fingerprint scanner](#)

**Accounts:** [Add an account](#) | [Account settings](#) | [Remove an account](#) | [Backup and restore](#) |  
[Google settings](#)

**Backup:** [Samsung account](#) | [Google Account](#) | [External storage transfer](#)

**Accessibility:** [Recommended for you](#) | [TalkBack](#) | [Visibility enhancements](#) | [Hearing](#)  
[enhancements](#) | [Interaction and dexterity](#) | [Advanced settings](#) | [Installed services](#) | [About](#)  
[Accessibility](#)

**Other:** [Android Auto](#) | [Tips and help](#) | [Dual Messenger](#) | [About phone](#)

[Learn more](#)

[Legal information](#)

# Getting started

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Galaxy S21 5G

Galaxy S21+ 5G

Galaxy S21 Ultra 5G

Set up your device

Start using your device



# Galaxy S21 5G



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

# Galaxy S21+ 5G



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

# Galaxy S21 Ultra 5G



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# Set up your device

[Charge the battery](#) | [Wireless power sharing](#)

Your device uses a nano-SIM card. A SIM card may be preinstalled, or you may be able to use your previous SIM card. Contact your carrier for more details.



 **NOTE** The use of mobile devices on an aircraft or a ship may be subject to federal and local guidelines and restrictions. Check with appropriate authorities and always follow crew instructions regarding when and how you may use your device.

 **NOTE** Wall charger sold separately; use only Samsung-approved chargers and cables. To avoid injury or damage to your device, do not use incompatible, worn or damaged batteries, chargers or cables. Using other charging devices and batteries may void your warranty and may cause damage. For more information on your device, including charging compatibility, please visit [samsung.com](http://samsung.com).

 **NOTE** Your device is IP68 rated for dust and water resistance. To maintain the water-resistant and dust-resistant features of your device, make sure that the SIM card tray openings are maintained free of dust and water, and the tray is securely inserted prior to any exposure to liquids. For more information, see [Maintaining water and dust resistance](#).

## Charge the battery

Your device is powered by a rechargeable battery. A compatible, reversible USB Type-C cable is included with the device. The USB Type-C cable can use a USB Type-C travel adapter, portable charging devices, smartphones, laptops, wireless charging and other devices that offer USB-C ports, both for charging and data transfer.

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

## Wireless power sharing

Wirelessly charge your compatible Samsung devices using your phone. Some features are not available while sharing power.



1. From Settings, tap Battery and device care > Battery > Wireless power sharing.
2. Tap **Battery limit** and choose a percentage. Once the device you are charging has reached this level of charge, wireless power sharing automatically turns off.
3. Tap to turn on the charging feature.
4. With the phone face down, place the compatible device on the back of the phone to charge. A notification sound or vibration occurs when charging begins.

**NOTE** Wireless power sharing works with most Qi-Certified devices. Requires minimum 30% battery to share. Speed and power efficiency of charge varies by device. May not work with some accessories, covers, or other manufacturer's devices. If you have trouble connecting or charging is slow, remove any cover from each device.

For best results when using Wireless power sharing, please note:

- Remove any accessories or cover before using the feature. Depending on the type of accessory or cover, Wireless power sharing may not work properly.
- The location of the wireless charging coil may vary by device, so you may need to adjust the placement to make a connection. When charging starts, a notification or vibration will occur, so the notification will help you know you've made a connection.
- Call reception or data services may be affected, depending on your network environment.
- Charging speed or efficiency can vary depending on device condition or surrounding environment.
- Do not use headphones while charging with Wireless power sharing.

# Start using your device

[Turn on your device](#) | [Use the Setup Wizard](#) | [Transfer data from an old device](#) | [Lock or unlock your device](#) | [Side key settings](#) | [Accounts](#) | [Set up voicemail](#) | [Navigation](#) | [Navigation bar](#) | [Customize your home screen](#) | [S Pen](#) | [Bixby](#) | [Digital wellbeing and parental controls](#) | [Always On Display](#) | [Biometric security](#) | [Mobile continuity](#) | [Multi window](#) | [Edge panels](#) | [Enter text](#) | [Emergency mode](#)

## Turn on your device

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

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

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

## Use the Setup Wizard

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

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

## Transfer data from an old device

Use Smart Switch™ to transfer contacts, photos, music, videos, messages, notes, calendars, and more from your old device. Smart Switch can transfer your data via USB cable, Wi-Fi, or computer.

Visit [samsung.com/us/support/owners/app/smart-switch](http://samsung.com/us/support/owners/app/smart-switch) to learn more.

1. From Settings, tap  Accounts and backup > Bring data from old device.
2. Follow the prompts and select the content to transfer.



Visit [samsung.com/smartsswitch](http://samsung.com/smartsswitch) for more information.

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## 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. For more information about screen locks, see [Lock screen and security](#).



### Side key

Press to lock.

Press to turn on the screen, and then swipe the screen to unlock it.

## Side key settings

You can customize the shortcuts assigned to the Side key.

### Double press

Choose which feature is launched when the Side key is pressed twice.

1. From Settings, tap  Advanced features > Side key.
2. Tap Double press to enable this feature, and tap an option:
  - Quick launch camera (default)
  - Open Bixby
  - Open app

### Press and hold

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

1. From Settings, tap  Advanced features > Side key.
2. Under the Press and hold heading, tap an option:
  - Wake Bixby (default)
  - Power off menu

## Accounts

Set up and manage your accounts.

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

### Add a Google Account

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

1. From Settings, tap  Accounts and backup > Manage accounts.
2. 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](#).

## Add a Samsung account

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

- From Settings, tap **Samsung account**.

## Add an Outlook account

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

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

## Set up voicemail

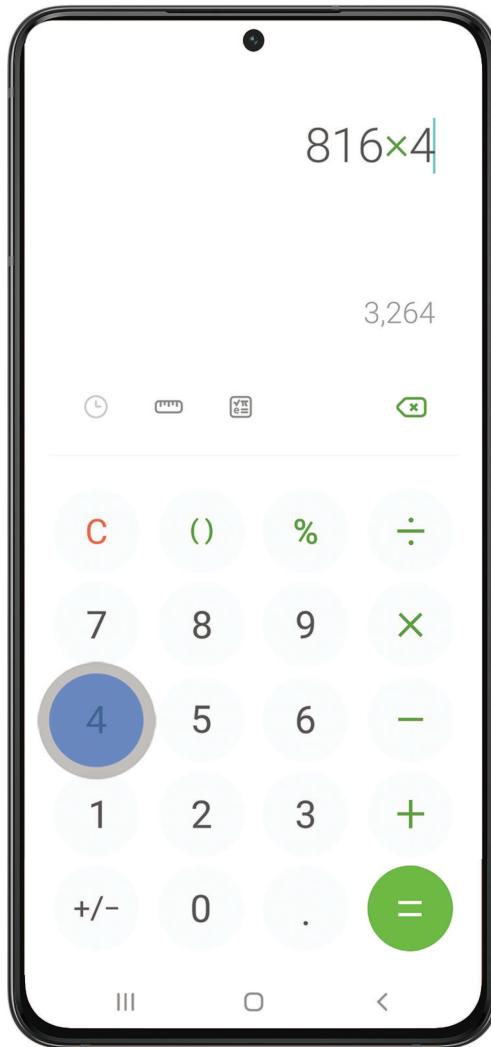
You can set up your voicemail service when you access it for the first time. You can access voicemail through the Phone app. Options vary by carrier.

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

## Navigation

A touch screen responds best to a light touch from the pad of your finger or a capacitive stylus. Using excessive force or a metallic object on the touch screen may damage the surface of the screen and the damage will not be covered by the warranty.

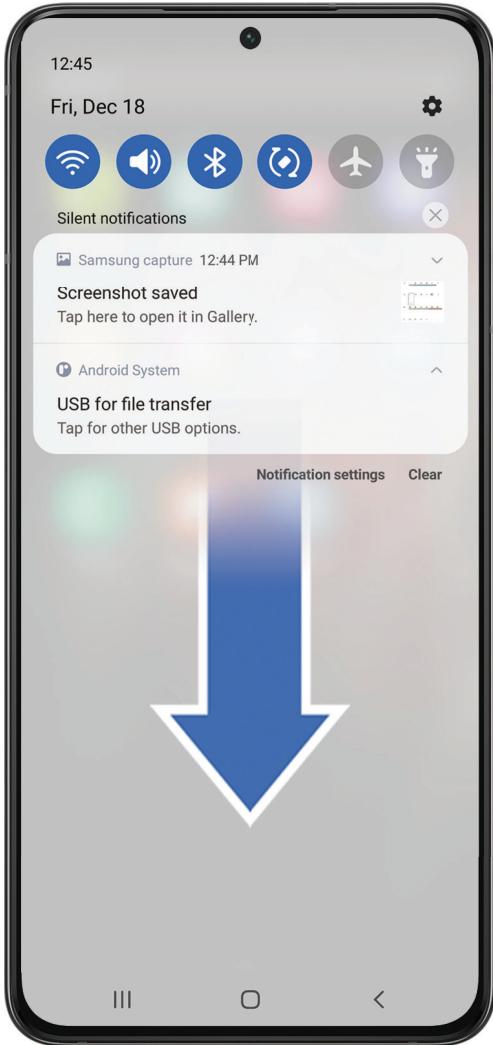
### Tap



Lightly touch items to select or launch them.

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

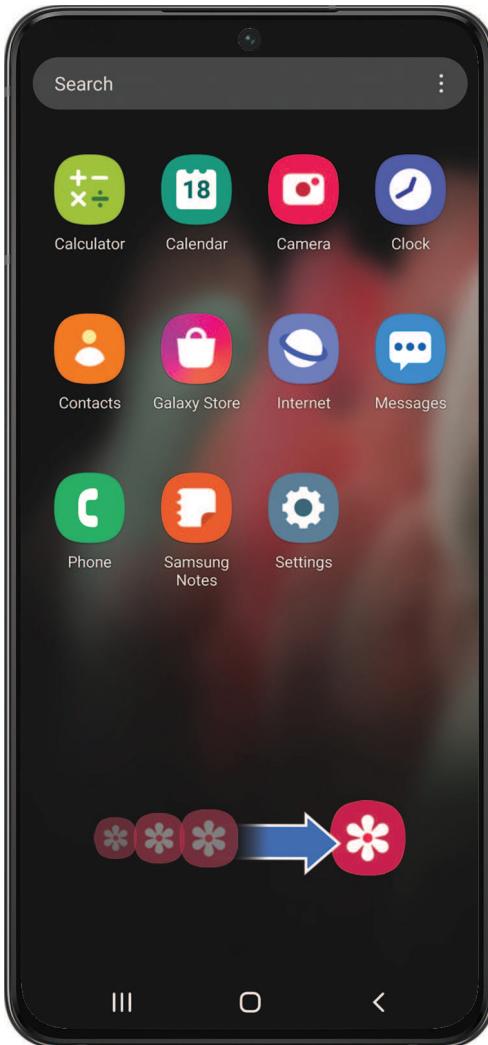
## Swipe



Lightly drag your finger across the screen.

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

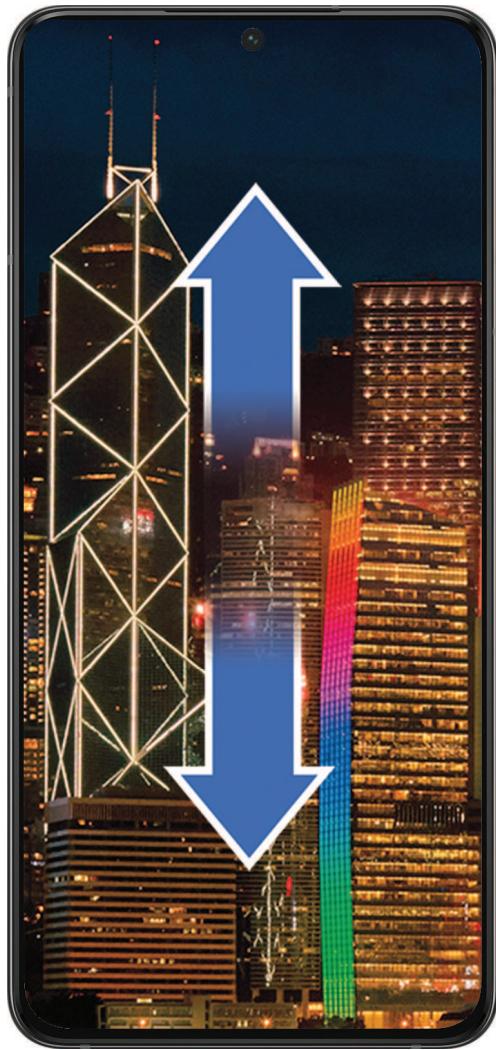
## Drag and drop



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

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

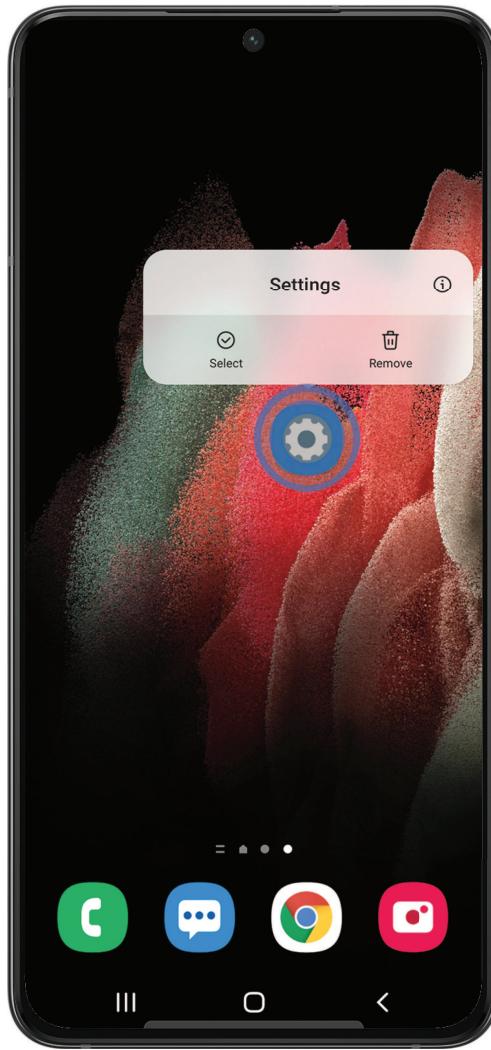
## Zoom in and out



Bring your thumb and forefinger together or apart on the screen to zoom in and out.

- Move your thumb and forefinger together on the screen to zoom out.
- Move your thumb and forefinger apart on the screen to zoom in.

## Touch and hold

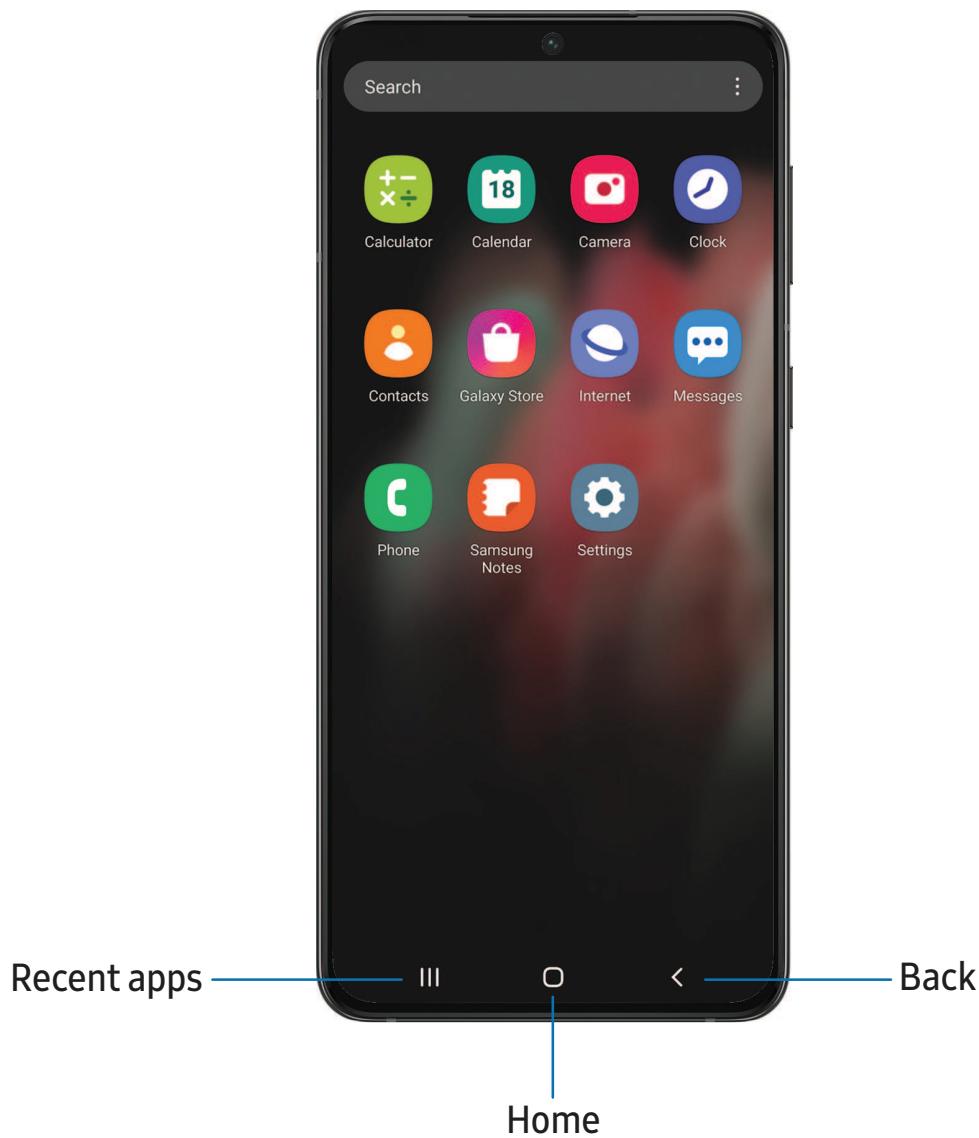


Touch and hold items to activate them.

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

## Navigation bar

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



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## Navigation buttons

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

1. From Settings, tap  Display > Navigation bar > Buttons.
2. Tap an option under **Button order** to choose which side of the screen the Back and Recent apps icons display.

## Navigation gestures

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

1. From Settings, tap  Display > Navigation bar > Swipe gestures to enable the feature.
2. Tap an option to customize:
  - **More options:** Choose a gesture type and sensitivity.
  - **Gesture hints:** Display lines at the bottom of the screen where each screen gesture is located.
  - **Show button to hide keyboard:** Show an icon on the bottom right corner of the screen to hide the keyboard when the device is in portrait mode.
  - **Block gestures with S Pen:** Prevent the S Pen from making navigation gestures (Galaxy S21 Ultra 5G only).

## Customize your home screen

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

[App icons](#) | [Wallpaper](#) | [Themes](#) | [Icons](#) | [Widgets](#) | [Home screen settings](#) | [Easy mode](#) | [Status bar](#) | [Notification panel](#)

### App icons

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

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

To remove an icon:

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

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

### Wallpaper

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

1. From a Home screen, touch and hold the screen, and then tap  Wallpapers.
2. Tap one of the following menus for available wallpapers:
  - **My wallpapers:** Choose from featured and downloaded wallpapers.
  - **Gallery:** Choose pictures and videos saved in the Gallery app.
  - **Wallpaper services:** Enable additional features including guide page and Dynamic Lock screen.
  - **Apply Dark mode to Wallpaper:** Enable to apply Dark mode to your wallpaper.
  - **Explore more wallpapers:** Find and download more wallpapers from Galaxy Themes.

3. Tap a picture or video to choose it.
  - If choosing a single picture, choose which screen or screens you want to apply the wallpaper to.
  - Videos and multiple pictures can only be applied to the Lock screen.
  - If choosing videos or pictures from the Gallery, tap on one or more items, and then tap **Done**.
4. Tap **Set on Home screen**, **Set on Lock screen**, or **Set on Lock and Home screens** (depending on which screens are applicable).
  - If applying a wallpaper to both the Home and Lock screens, enable **Sync my edits** if you want any edits made to that wallpaper to be applied to both screens.

## Themes

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

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

## Icons

Apply different icon sets to replace the default icons.

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

## Widgets

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

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

## Customize Widgets

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

- From a Home screen, touch and hold a widget, and tap an option:
  -  Remove: Delete a widget from your screen.
  -  Settings: Customize the function or appearance of the widget.
  -  App info: Review the widget usage, permissions, and more.

## Home screen settings

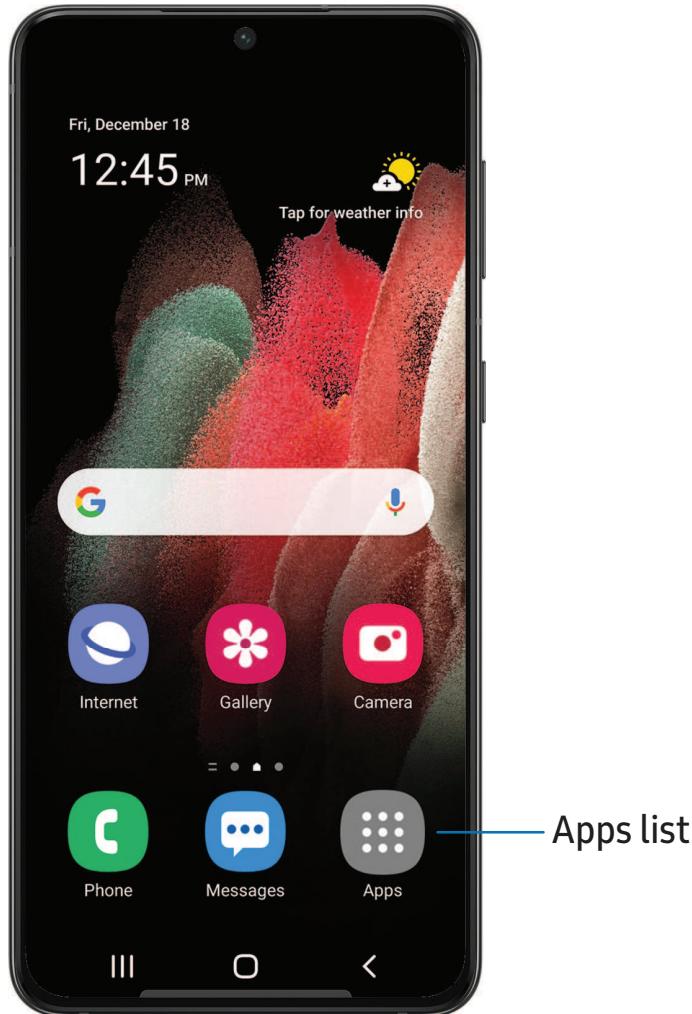
Customize your Home and Apps screens.

1. From a Home screen, touch and hold the screen.
2. Tap  Settings to customize:
  - **Home screen layout:** Set your device to have separate Home and Apps screens, or only a Home screen where all apps are located.
  - **Home screen grid:** Choose a layout to determine how icons are arranged on the Home screen.
  - **Apps screen grid:** Choose a layout to determine how icons are arranged on the Apps screen.
  - **Show Apps screen button on Home screen:** Add a button to the Home screen for easy access to the Apps screen.
  - **Lock Home screen layout:** Prevent items on the Home screen from being removed or repositioned.
  - **Add new apps to Home screen:** Automatically add newly-downloaded apps to the Home screen.

- **Hide apps:** Choose apps to hide from the Home and App screens. Return to this screen to restore hidden apps. Hidden apps are still installed and can appear as results in Finder searches.
- **App icon badges:** Enable to show badges on apps with active notifications. You can also choose the badge style.
- **Swipe down for notification panel:** Enable this feature to open the Notification panel by swiping down anywhere on the Home screen.
- **Rotate to landscape mode:** Rotate the Home screen automatically when your device's orientation is changed from portrait to landscape.
- **About Home screen:** View version information.

### Easy mode

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



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

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### Status bar

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

#### Status icons



Battery full



Charging



Mute



Vibrate



Airplane mode



Bluetooth active



Location active



Alarm

#### Notification icons



Missed calls



Call in progress



New message



Voicemail



New email



Download



Upload



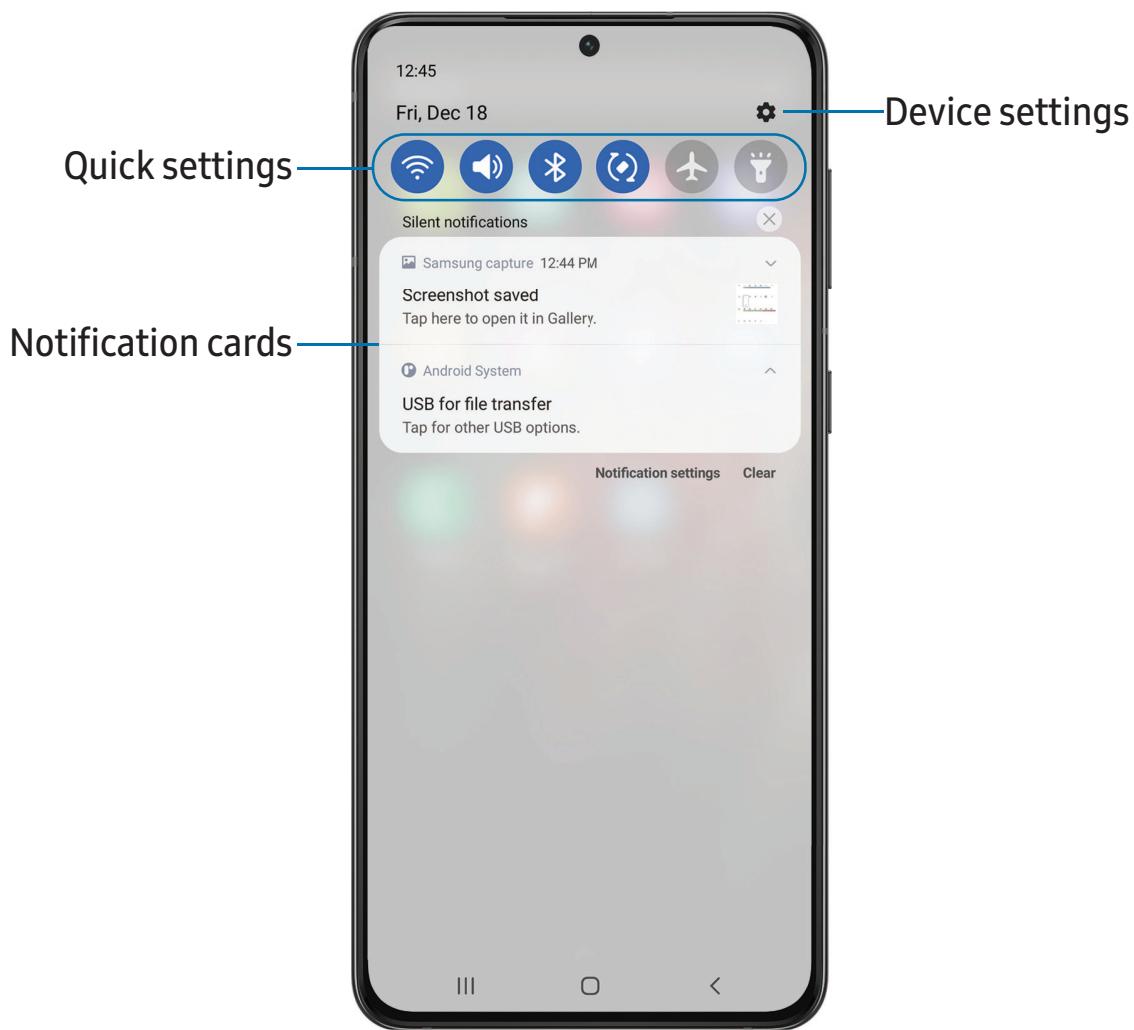
App update

Configure display options for the Status bar.

- From Quick settings, tap ⋮ More options > Status bar for the following options:
  - **Show notification icons:** Choose how to display notification icons on the Status bar.
  - **Show battery percentage:** Display the battery charge percentage next to the battery icon on the Status bar.

### Notification panel

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



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### View the Notification panel

You can access the Notification panel from any screen.

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

### Quick settings

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

- Swipe down with two fingers from the top of the screen to display Quick settings.
  - Tap  **Finder search** to search the device.
  - Tap  **Power off** for Power off, Emergency mode, and Restart options.
  - Tap  **Open settings** to quickly access the device's settings menu.
  - Tap  **More options** to reorder Quick settings or to change the button layout.
  - Tap **Devices** to control other devices when supported apps like SmartThings or Google Home are installed.
  - Tap **Media** to access the Media panel and control playback of connected audio and video devices.
  - Tap a quick setting icon to turn it on or off.
  - Touch and hold a quick setting icon to open the setting.
  - Drag the **Brightness slider** to adjust the screen brightness.

## S Pen

The Galaxy S21 Ultra 5G supports the S Pen (sold separately). The S Pen provides a variety of helpful functions. Use your S Pen to launch apps, take notes, or draw a picture. Some S Pen functions, such as tapping the touchscreen, may not work if the device is near a magnet.

### 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.

### Screen off memo

You can write memos without turning on the screen.

1. While the screen is off, press the **S Pen** button and tap the screen.
2. Tap an option to customize your memo:
  -  **Color**: Change the pen color.
  -  **Pen settings**: Tap to use the pen tool. Double tap to adjust the line thickness.
  -  **Eraser**: Tap to use the eraser tool. Double tap to erase all.
3. Tap **Save** to save your memo to the Samsung Notes app.

 **NOTE** The screen off memo setting must be enabled. For more information, see [Configure S Pen settings](#).

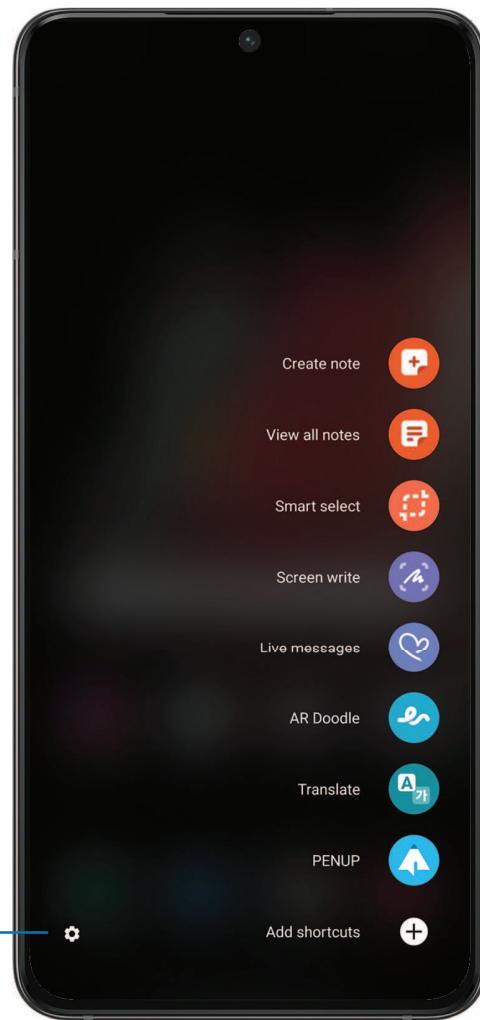
## Pin to Always On Display

You can pin or edit a memo on the Always On Display.

1. From your screen off memo, tap  Pin to Always on Display.
2. Tap Pin to Always On Display.

### Air command

Access signature S Pen features from any screen, including Smart select, Screen write, and Samsung Notes.



1. 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:
  -  **Create note**: Launch a new note in the Samsung Notes app.
  -  **View all notes**: Launch the Samsung Notes app and view a listing of the notes you have created.

-  **Smart select:** Draw around an area of the screen to collect it in the Gallery app.
-  **Screen write:** Capture screenshots and write or draw on them.
-  **Live messages:** Create a short animated message by drawing or writing with the S Pen.
-  **AR Doodle:** Draw interactive doodles using the AR camera feature.
-  **Translate:** Hover the S Pen over a word to see it translated into another language and listen to its pronunciation.
-  **PENUP:** Use the S Pen to draw, color, edit, and share live drawings.
-  **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 [Samsung Notes](#).

- Tap  Air command >  Create note.

### View all notes

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

- Tap  Air command >  View all notes.

### Smart select

The Smart select feature allows you to copy content from any screen. You can then add it to your Gallery app or share it with your contacts.

1. Tap  Air command >  Smart select.
2. Tap a shape in the menu, and then drag the S Pen to select content. The following options appear:
  - **Extract text:** Identify and extract text from the selected content.
  - **Pin to screen:** Place a shortcut to the collected content on a Home screen.
  -  **Auto select:** Allow Smart select to automatically select content to extract.

-  **Draw:** Draw on the captured content.
-  **Share:** Choose a sharing method to share your content.

### 3. Tap Save.

 **TIP** You can tap  Animation to record an animation or  Pin to screen to pin the content to your screen using Smart select.

## Screen write

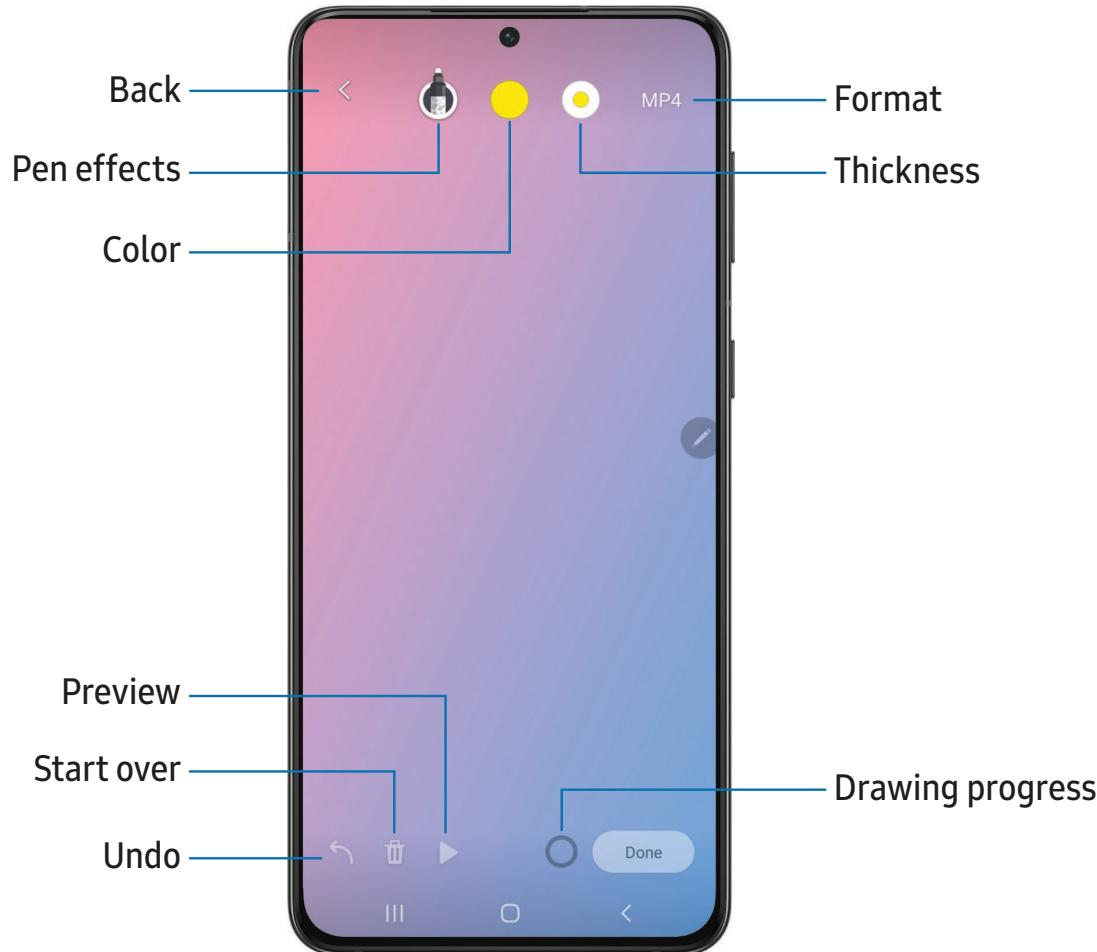
Screen write allows you to capture screenshots and write or draw on them.

1. Tap  Air command >  Screen write.
2. The current screen is captured, and a pen tool appears. The following editing tools are provided:
  - **Crop:** Drag the edges of the screen to crop the captured content.
  - **Pen type:** Draw on the screenshot. Tap the Pen icon a second time to change the pen tip, size, and color.
  - **Eraser:** Erase the writing or drawings on the screenshot.
  - **Undo:** Reverse the last action.
  - **Redo:** Repeat the last action that was undone.
  - **Share:** Choose a sharing method to share your content.
3. Tap  Save. The content is saved to the Gallery app.

 **TIP** Hold the S Pen button to erase your drawings on the screen memo.

### Live messages

Record an animated drawing or written message.

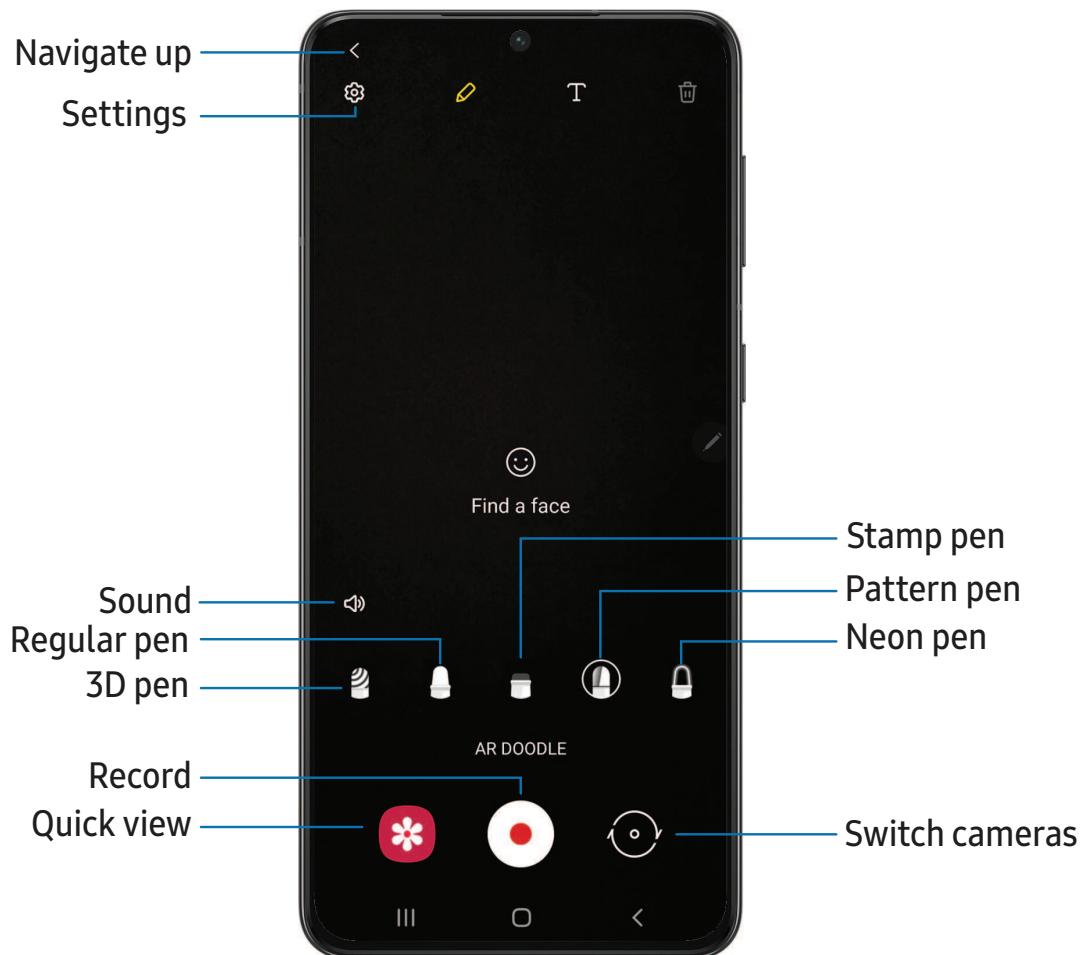


1. Tap Air command > Live messages.
2. Select one of the following background options:
  - **Collection:** See all live messages you have created.
  - **Gallery:** Pick an image or video for the background.
  - **Camera:** Capture an image to use for the background.
  - **Color:** Pick a color for the background.
3. Follow the prompts to begin creating your live message.
4. Tap **Done** to save.

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### AR Doodle

Draw interactive doodles on faces or other objects seen through the camera using augmented reality.



1. Tap Air command > AR Doodle.
2. Select either the front or rear cameras by tapping Switch cameras.
3. Position the camera so that your target is in the center of the screen.
4. Use the S Pen to draw a doodle.
  - The doodle follows the movements of the face in real-time.
5. Tap Record to save a video of your AR Doodle.

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### Translate

Hover over words with the S Pen to translate them and listen to their pronunciation.

1. Tap  Air command >  Translate.
2. Tap the source and target languages to change them to the desired languages.
3. Hover the S Pen over a word.
  - Tap  Sound to hear the word pronounced in the source language.
  - Tap  Copy to save the selected text and the translation to your clipboard.
4. Tap  Close to close Translate.

### PENUP

Use the S Pen to draw, color, edit, and share live drawings. For more information, see [PENUP](#).

- Tap  Air command >  PENUP.

### Add shortcuts

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

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

### Configure S Pen settings

To configure S Pen settings:

- From Settings, tap  Advanced features > S Pen to configure the following settings:
  - **Screen off memo:** Create memos without turning on the screen. Screen off memos are saved in Samsung Notes.
  - **Create note with Pen button:** Press and hold the S Pen button, then tap the screen twice with your S Pen to start a new note.
  - **Air view:** Turn Air view on or off.

- **Show pointer when hovering:** 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.

### Air Command

- **Shortcuts:** Configure the Air command menu with S Pen features, apps, and functions.
- **Show floating icon:** Show an Air command icon that you can move around the screen.
- **Open Air command with Pen button:** Open the Air command menu when you hover your S Pen over the screen and press the Pen button.

### Feedback

- **Sound:** Set your device to make sounds when writing on the screen.

### General

- **Tips for using your S Pen:** Find out how to use S Pen features.
- **About S Pen features:** View version information for the S Pen features.
- **Contact us:** Contact Samsung support through Samsung Members (if supported by your carrier).

## 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. Visit [samsung.com/us/support/owners/app/Bixby](http://samsung.com/us/support/owners/app/Bixby) for more information.

- From a Home screen, press and hold the **Side** key.

 **TIP** You can also access Bixby from the Apps list.

### Bixby Routines

You can use Bixby to show you information or change device settings based on where you are and what you are doing.

- From Settings, tap  **Advanced features > Bixby Routines.**

### 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.

- From  Camera, tap More > Bixby Vision and follow the prompts.

#### Gallery

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

1. From  Gallery, tap a picture to view it.
2. 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  Internet, touch and hold an image until a pop-up menu is displayed.
2. Tap Search with Bixby Vision and follow the prompts.

### Digital wellbeing and parental controls

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

- From Settings, tap  Digital Wellbeing and parental controls for the following features:
  - Tap the Dashboard to view the following:
    - Screen time: View how long an app has been opened and used each day.
    - Notifications received: View how many notifications have been received from an app each day.
    - Unlocks: View how many times an app has been opened each day.

## Your goals

- **Screen time:** Set a screen time goal and view your daily average.
- **App timers:** Set a daily limit for how long you use each app.

## Ways to disconnect

- **Focus mode:** Limit app usage for set periods of time to avoid distractions from your device.
- **Bedtime mode:** Schedule when to change the screen to grayscale and mute calls, alerts, and other sounds.

## Comfort care

- **Volume monitor:** Choose a sound source to monitor the volume and keep your ears safe.

## Check on your kids

- **Parental controls:** Supervise your children's digital life with Google's Family Link app. You can choose apps, set content filters, keep an eye on screen time, and set screen time limits.

## Always On Display

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

1. From Settings, tap  Lock screen > Always On Display.
2. Tap  to enable the feature, and then set the following options:
  - Choose when to show a clock and notifications on the screen when your device is not in use: Tap to show for 10 seconds, Show always, or Show as scheduled.
  - **Clock style:** Change the style and color options for the clock on the Lock screen and Always on Display.
  - **Show music information:** Show music details when the FaceWidgets music controller is in use.
  - **Screen orientation:** Display the AOD in portrait or landscape mode.
  - **Auto brightness:** Automatically adjust the brightness of Always On Display.
  - **About Always On Display:** View the current software version and license information.

 **NOTE** Some display settings can appear on both the Lock screen and Always On Display. For more information, see [Clock and information](#).

## AOD themes

Apply custom themes for Always On Display.

1. From a Home screen, touch and hold the screen, and tap  Themes > AODs.
  - Tap an AOD to preview and download it to My Always On Displays.
2. Tap  Navigation drawer > My stuff > AODs to see downloaded themes.
3. Tap an AOD, and then tap **Apply**.

## Biometric security

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

### Face recognition

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

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

1. From Settings, tap  Biometrics and security > Face recognition.
2. Follow the prompts to register your face.

### Face recognition management

Customize how face recognition works.

- From Settings, tap  Biometrics and security > Face recognition.
  - Remove face data: Delete existing faces.
  - Add alternative look: Enhance face recognition by adding an alternative appearance.
  - Face unlock: Enable or disable face recognition security.
  - Stay on Lock screen until swipe: When you unlock your device with face recognition, stay on the Lock screen until you swipe the screen.
  - 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.
  - Require open eyes: Facial recognition will only recognize your face when your eyes are open.

- **Brighten screen:** Increase the screen brightness temporarily so that your face can be recognized in dark conditions.
- **About unlocking with biometrics:** Learn additional information about securing your device with biometrics.

## Fingerprint scanner

Use fingerprint recognition as an alternative to entering passwords in certain apps. You can also use your fingerprint to verify your identity when logging in to your Samsung account. To use your fingerprint to unlock your device, you must set a pattern, PIN, or password.

1. From Settings, tap  Biometrics and security > Fingerprints.
2. Follow the prompts to register your fingerprint.

## Fingerprint management

Add, delete, and rename fingerprints.

- From Settings, tap  Biometrics and security > Fingerprints for the following options:
  - The list of registered fingerprints is at the top of this list. You can tap a fingerprint to remove or rename it.
  - **Add fingerprint:** Simply follow the prompts to register another fingerprint.
  - **Check added fingerprints:** Scan your fingerprint to see if it has been registered.

### Fingerprint verification settings

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

- From Settings, tap  Biometrics and security > Fingerprints.
  - **Fingerprint unlock:** Use your fingerprint for identification when unlocking your device.
  - **Fingerprint always on:** Scan your fingerprint even when the screen is off.
  - **Show icon when screen is off:** Show the fingerprint icon when the screen is off.
  - **Show animation when unlocking:** Show an animation when you use fingerprint verification.
  - **About unlocking with biometrics:** Read details on the requirements each biometric security feature has for using your pattern, PIN, or password as a backup.

### Biometrics settings

Configure your preferences for biometric security options.

- From Settings, tap  Biometrics and security > More biometrics settings for the following:
  - **Show unlock transition effect:** Show a transition effect when you use biometrics to unlock your device.
  - **Biometrics security patch:** View the software version of the biometric security features.

## Mobile continuity

Access storage and other functions of your device across compatible mobile devices and computers.

[Link to Windows](#) | [Samsung DeX](#) | [Continue apps on other devices](#)

### Link to Windows

Achieve mobile continuity between your Samsung device and Windows-based PCs. Get instant access to your device's photos, messages, and more on a PC by linking your devices.

#### Pictures

- Drag and drop pictures to Windows.
- Open and edit pictures in the Your Photos app.
- Share images with your contacts through Windows.

#### Messages (SMS/MMS)

- MMS group messaging support.
- Integration with Windows Emoji Picker.
- Get a Windows pop-up when receiving a new message.

#### Notifications

- See and manage phone notifications from your PC.
- Exclude notifications from individual phone apps.
- Get a Windows pop-up when receiving a new notification.

#### App mirroring

- Live stream your phone screen on your PC.
- Interact with your phone using the keyboard and mouse.
- Use Windows Accessibility.

### Link your device to your computer

1. From Settings, tap  Advanced features > Link to Windows.
2. Follow the prompts to connect your device to your PC.

 **TIP** You can also enable this feature from the Quick settings menu.

### Samsung DeX

Connect your device to a PC or TV for an enhanced multitasking experience.

- Send DeX to your TV and keep using your device, or turn your device into a trackpad.
- Connect to a TV or monitor either wirelessly or with an HDMI cable.
- Get DeX on your PC for quick and easy file transfers.

Visit [samsung.com/us/explore/dex](http://samsung.com/us/explore/dex) for more information.

### Enable DeX

1. From Settings, tap  Advanced features > Samsung DeX.
2. Tap  to turn on the feature.
3. Follow the instructions on your device to connect to your TV or PC.
  - If connecting to a PC, download the DeX app on to your computer at [samsungdex.com](http://samsungdex.com).

### Continue apps on other devices

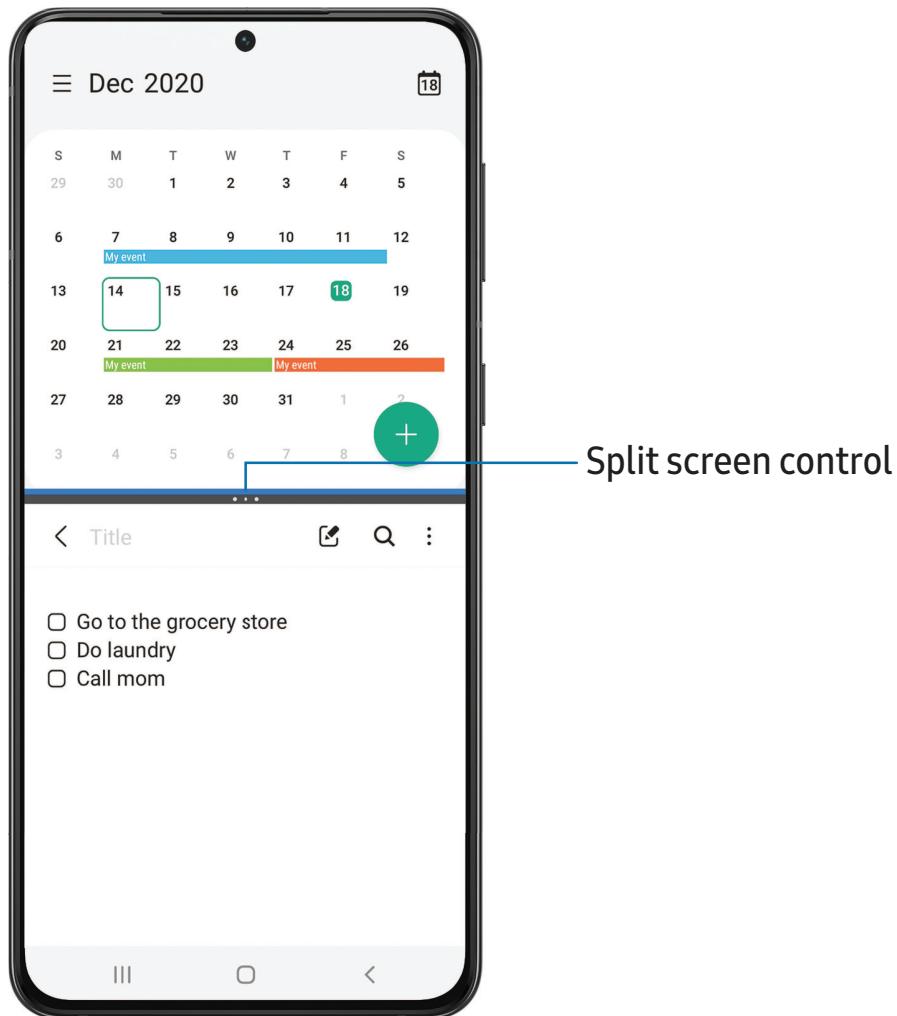
This feature allows you to make and answer calls and text messages from your Galaxy devices that are signed in to your Samsung account.

1. From Settings, tap  Advanced features > Continue apps on other devices.
2. Tap  to turn on the feature. Connection occurs automatically.
3. Sign in to your Samsung account on your Galaxy devices.

 **TIP** Move your contacts from your device to your Samsung account so you can access them on all registered devices.

## Multi window

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



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

## Window controls

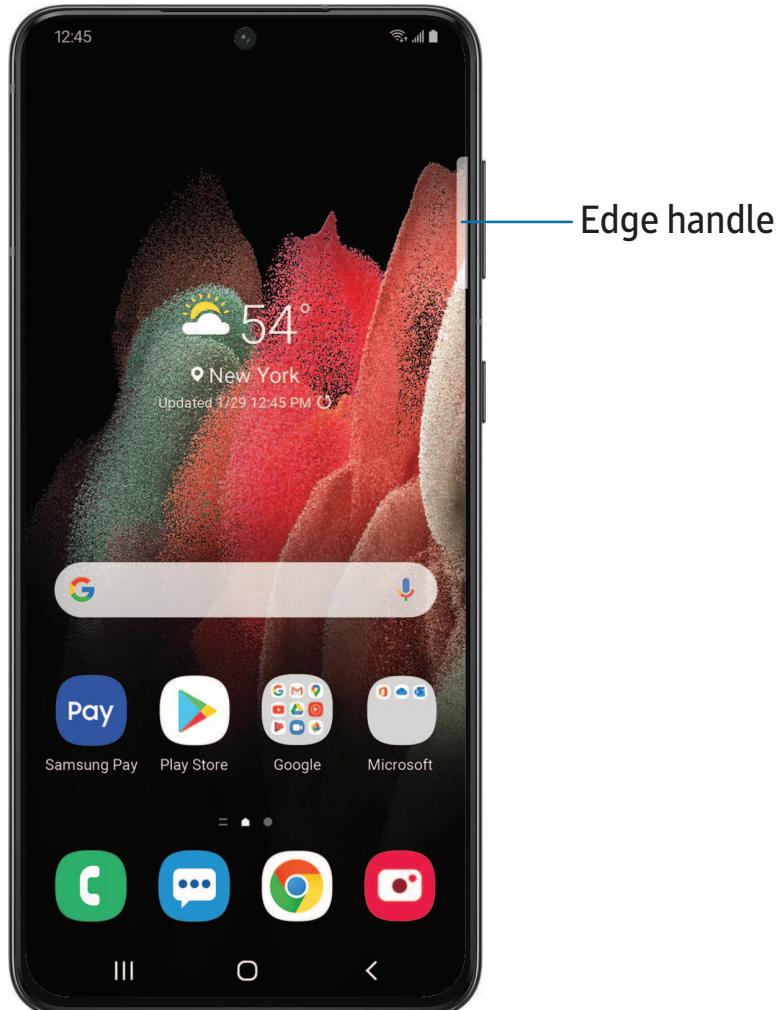
The Window controls modify the way app windows are displayed in split screen view.

1. Drag the middle of the window border to resize the windows.
2. Tap the middle of the window border for the following options:
  -  **Switch window:** Swap the two windows.
  -  **Add app combo to Edge panel:** Create and add an app pair shortcut to the Apps panel on the Edge screen.

## Edge panels

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

[Apps panel](#) | [Configure Edge panels](#) | [About Edge panels](#)



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

### Apps panel

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

1. From any screen, drag the **Edge handle** to the center of the screen. Swipe until the Apps panel is displayed.
2. Tap an app or app pair shortcut to open it. You can also tap All apps for the complete app list.
  - To open additional windows in pop-up view, drag the app icon from the Apps panel to the open screen.

To configure Apps panel:

1. From any screen, drag the **Edge handle** to the center of the screen. Swipe until the Apps panel is displayed.
2. Tap **Edit panel** to add other apps to the Apps panel.
  - To add an app to the Apps panel, 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 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 panel, drag each app to the desired location.
  - To remove an app, tap **Remove**.
3. Tap **Back** to save changes.

### Configure Edge panels

You can customize the Edge panels.

1. From the Edge screen, tap **Settings**.
2. The following options are available:
  - **Checkbox**: Enable or disable each panel.
  - **Edit** (if available): Configure individual panels.
  - **Search**: Find panels that are either installed or available to install.

- ⚙ More options:
    - **Reorder:** Change the order of the panels by dragging them to the left or right.
    - **Hide on Lock screen:** Choose panels to hide on the Lock screen when a secure screen lock is set.
  - **Galaxy Store:** Search for and download more Edge panels from Galaxy Store.
3. Tap  Back to save changes.

## Edge panel position and style

You can change the position of the Edge handle.

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

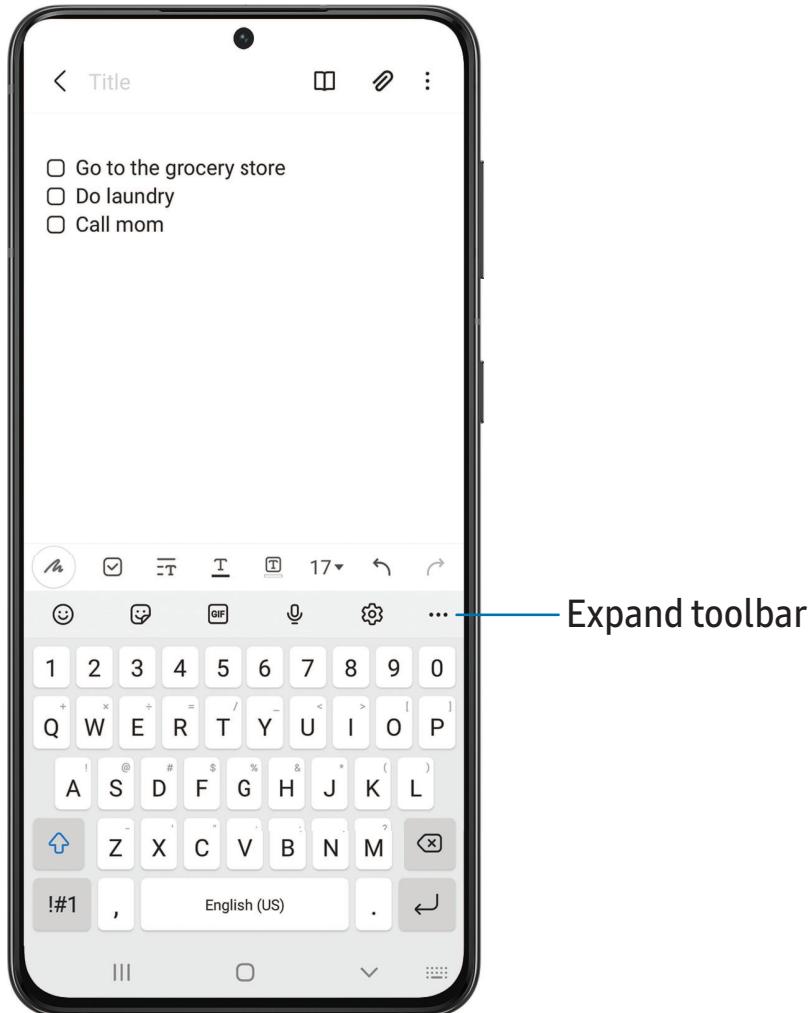
## About Edge panels

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

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

## Enter text

Text can be entered using a keyboard or your voice.



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### Toolbar

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

- From the Samsung keyboard, tap **Expand toolbar** for the following options:
  - **Emojis**: Insert an emoji.
  - **Stickers**: Add illustrated stickers.
  - **GIFs**: Add animated GIFs.
  - **Voice input**: Use Samsung voice input.
  - **Settings**: Access keyboard settings.
  - **Handwriting**: Use your handwriting to enter text (Galaxy S21 Ultra 5G only).
  - **Search**: Locate specific words or phrases in your conversations.
  - **Translate**: Type words or sentences in the keyboard to translate them into another language.
  - **Samsung Pass**: Use biometrics for secure access to apps and services.
  - **Spotify**: Add music from Spotify™.
  - **YouTube**: Add videos from YouTube.
  - **Clipboard**: Access the clipboard.
  - **Text editing**: Use an editing panel to help pinpoint text that you want to cut, copy, and paste.
  - **Modes**: Select a keyboard layout.
  - **Keyboard size**: Adjust the height and width of the keyboard.
  - **Bitmoji**: Create your own personal emoji and use it in stickers.
  - **AR Emoji**: Create your own personal emoji and use it in stickers you can share.
  - **Mojitok**: Create your own stickers or insert automatically suggested ones.

## Configure the Samsung keyboard

Set customized options for the Samsung keyboard.

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

### Smart typing

- **Predictive text:** As you type see suggested words and phrases.
- **Suggest emojis:** Include emojis when using predictive text.
- **Suggest stickers while typing:** View recommended stickers while you are typing.
- **Auto replace:** Automatically replace what you type with predictive text recommendations.
- **Auto spell check:** Underline misspelled words in red and suggest corrections.
- **More typing options:** Customize additional typing options.

### Style and layout

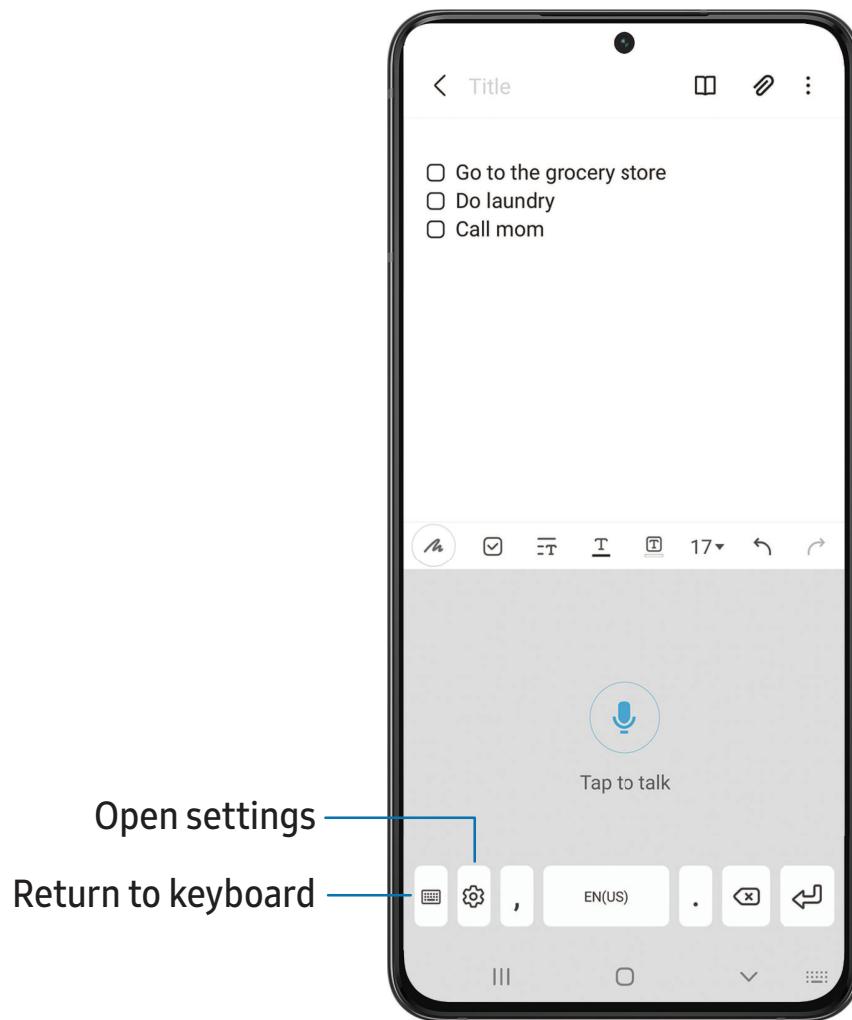
- **Keyboard toolbar:** View or hide the keyboard toolbar.
- **High contrast keyboard:** Adjust the size of the Samsung keyboard and change its colors to increase the contrast between the keys and the background.
- **Theme:** Choose a theme for your keyboard.
- **Mode:** Choose between portrait and landscape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

### Other settings

- **Swipe, touch, and feedback:** Customize gestures and feedback.
- **Handwriting:** Customize handwriting options (Galaxy S21 Ultra 5G only).
- **Select third-party content to use:** Enable third-party keyboard features.
- **Reset to default settings:** Return keyboard to original settings and clear personalized data.
- **About Samsung keyboard:** View version and legal information for the Samsung keyboard.
- **Contact us:** Contact Samsung support through Samsung Members (if supported by your carrier).

## Use Samsung voice input

Instead of typing, enter text by speaking.



- From the Samsung keyboard, tap Voice input and speak your text.

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### Configure Samsung voice input

Set customized options for Samsung voice input.

1. From the Samsung keyboard, tap  Voice input.
2. Tap  Settings for options.
  - **Keyboard language:** 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.
  - **About Samsung voice input:** View version and legal information for Samsung voice input.

### 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 Side and Volume down keys at the same time.
2. Tap  Emergency mode.
  - When accessing for the first time, read and accept the terms and conditions.
3. Tap Turn on.

## Emergency mode features

While in Emergency mode, only the following apps and features are available on the Home screen. Options may vary by carrier.

- **Estimated battery life:** Displays estimated remaining battery charge time based on current battery charge and usage.
- **Flashlight:** Use the device's flash as a steady source of light.
- **Emergency alarm:** Sound an audible siren.
- **Phone:** Launch the call screen.
- **Share/Message my location:** Send your location information to your emergency contacts.
- **Internet:** Launch the web browser.
- **Chrome:** Launch the Google web browser.
- **Emergency call:** Dial the emergency telephone number (for example, 911). This kind of call can be made even without activated service.
-  **More options:**
  - **Turn off Emergency mode:** Disable Emergency mode and return to standard mode.
  - **Edit:** Add or remove apps from the screen.
  - **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, the device returns to standard mode.

- Tap  **More options**, and tap **Turn off Emergency mode**.

# Camera and Gallery

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



## Camera

[Navigate the camera screen](#) | [Configure shooting mode](#) | [AR Zone](#) | [Scene optimizer](#) | [Single take](#) | [Space Zoom](#) | [Record videos](#) | [Director's view](#) | [Zoom-in mic](#) | [Camera settings](#)

## Gallery

[View pictures](#) | [Edit pictures](#) | [Play video](#) | [Video enhancer](#) | [Edit video](#) | [Share pictures and videos](#) | [Delete pictures and videos](#) | [Group similar images](#) | [Take a screenshot](#) | [Screen recorder](#)

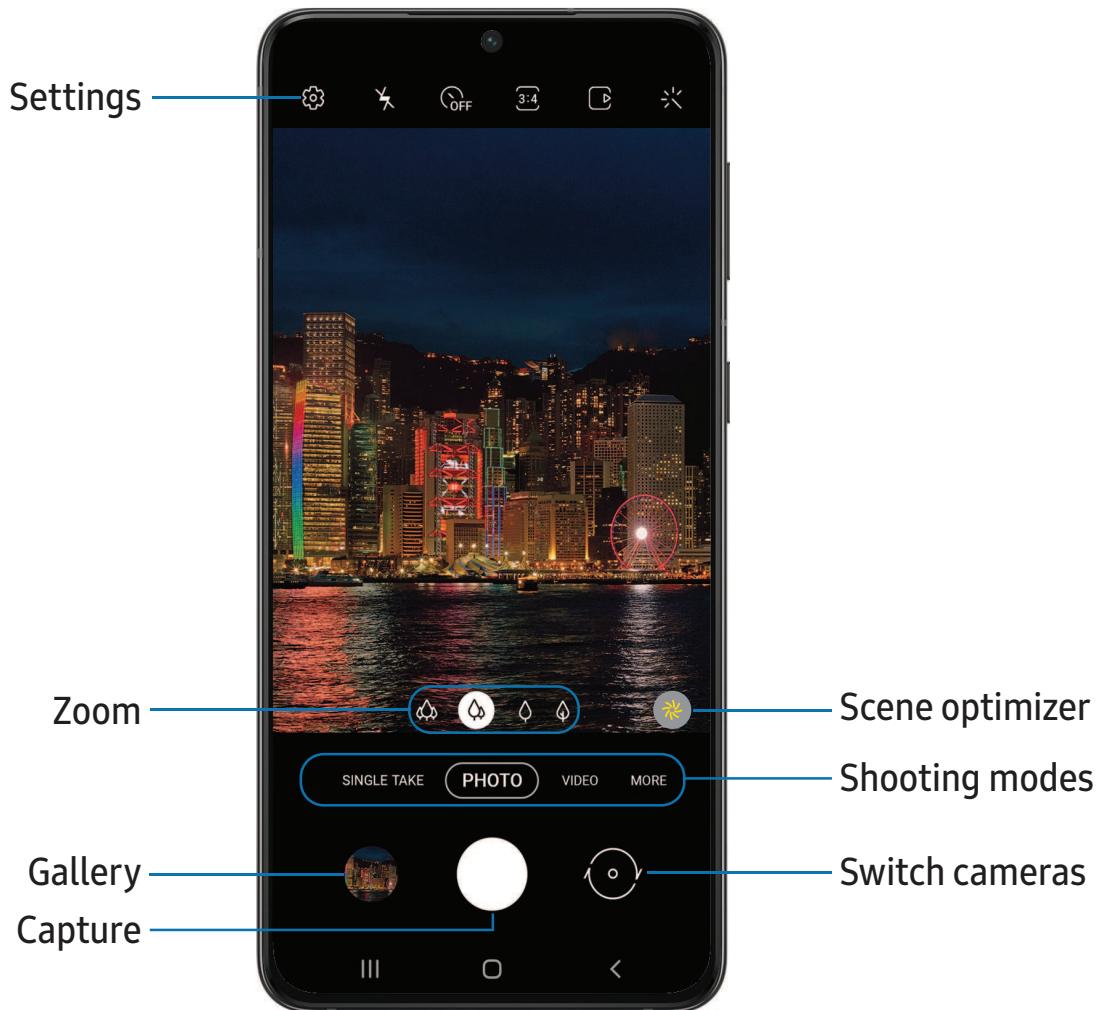
Devices and software are constantly evolving — the illustrations you see here are for reference only.

# Camera

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

- From Apps, tap  Camera.

 **TIP** If Quick launch is enabled, quickly press the **Side** key twice to open the Camera app.



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## Navigate the camera screen

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

1. From  Camera, set up your shot with the following features:
  - Tap the screen where you want the camera to focus.
    - When you tap the screen, a brightness scale appears. Drag the slider to adjust the brightness.
  - To quickly switch between the front and rear cameras, swipe the screen up or down.
  - To change to a different shooting mode, swipe the screen right or left.
  - To change camera settings, tap  Settings.
2. Tap  Capture.

## Configure shooting mode

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

- From  Camera, swipe the screen right and left to change shooting modes.
  - **Single take:** Capture multiple pictures and video clips from different angles.
  - **Photo:** Allow the camera to determine the ideal settings for pictures.
  - **Video:** Allow the camera to determine the ideal settings for videos.
  - **More:** Choose other available shooting modes. Tap  Add to drag modes into or out of the shooting modes tray at the bottom of the Camera screen.
    - **AR Doodle:** Enhance videos by adding line drawings or handwriting to your environment. AR Doodle tracks faces and space so they move with you.
    - **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.
    - **Food:** Take pictures that emphasize the vivid colors of food.

- **Night:** Use this to take photos in low-light conditions, without using the flash.
- **Portrait:** Adjust the background of your shots for portrait photos.
- **Portrait video:** Adjust the background of your shots for portrait videos.
- **Pro video:** Manually adjust the ISO sensitivity, exposure value, white balance, and color tone while recording videos.
- **Super slow-mo:** Record videos at an extremely high frame rate for viewing in high quality slow motion. You can play a specific section of each video in slow motion after recording it.
- **Slow motion:** Record videos at a high frame rate for viewing in slow motion.
- **Hyperlapse:** Create a time lapse video by recording at various frame rates. The frame rate is adjusted depending on the scene being recorded and the movement of the device.
- **Director's view:** Access advanced features such as lock onto a subject in view, change between different rear camera lenses, and more.

## AR Zone

Access all of your Augmented Reality (AR) features in one place.

- From  Camera, swipe to More, and then tap AR Zone. The following features are available:
  - **AR Emoji Camera:** Use the camera to create your My Emoji avatar.
  - **AR Doodle:** Enhance videos by adding line drawings or handwriting to your environment. AR Doodle tracks faces and space so they move with you.
  - **AR Emoji Studio:** Use AR tools to create and customize your My Emoji avatar.
  - **AR Emoji Stickers:** Add AR stickers to your My Emoji avatar.
  - **Deco Pic:** Decorate photos or videos in real time with the camera.

## Scene optimizer

Automatically adjust exposure, contrast, white balance, and more based on what is detected in the camera frame to help you capture beautiful photos.

- From  Camera, swipe to Photo, and tap  Scene optimizer.

 **NOTE** The Scene optimizer is only available when using the rear camera. The Scene optimizer icon will change automatically based on what the camera detects, such as  when taking nature photos or  when taking photos in a dark setting.

## Single take

Capture more in each shot by taking both photos and videos at the same time. This shooting mode uses AI to create high-quality images and videos from multiple angles. The number of images and videos may vary.

- From  Camera, swipe to Single take.
- Tap  10s and select a timer option.
- Tap  Record and pan around the scene to capture multiple angles and views. The videos and images will be saved as a single entry in the Gallery.

## Space Zoom

Capture photos using up to 100 times magnification with clarity and accuracy (zoom options may vary by model).

- From  Camera, tap a Zoom shortcut to select a magnification setting.
  - When capturing photos at higher magnifications, center your target in the frame, and tap  Zoom lock for fast and accurate zoom focusing (Galaxy S21 Ultra 5G only).
- Tap  Capture.

## Record videos

Record smooth lifelike videos using your device.

1. From  Camera, swipe right or left to change the shooting mode to Video.
2. Tap  Record to begin recording a video.
  - To take a picture while recording, tap  Capture.
  - To temporarily stop recording, tap  Pause. To continue recording, tap  Resume.
3. Tap  Stop when you are finished recording.

## Director's view

Produce videos with seamless transitions between multiple camera angles. Dual record from both front and rear cameras and enable multi-capture with Picture-in-picture or Split view.

1. From  Camera, swipe to More, and then tap Director's view.
2. Tap  View type to switch between Single, Picture-in-picture, and Split views.
3. Tap  Record.
  - Center the camera on your subject and tap one of the available windows to change lenses.
    - Tap  if the windows are not visible.
    - To switch between the front and rear cameras, swipe the screen up or down.
4. Tap  Stop when you are finished recording.

## Zoom-in mic

Increase the volume of the sound being recorded and minimize background noise as you zoom in on an audio source in Video mode. This feature cannot be used with other video modes or with the front camera.

1. From  Camera, tap  Settings.
2. Tap Advanced recording options > Zoom-in mic, and tap  to enable.
3. Tap  Back to return to the main Camera screen.
4. Swipe to change the shooting mode to Video.

5. Tap  **Record** to begin recording.
6. Bring your fingers together or apart on the screen to zoom in or out on the audio source. The microphone icon indicates the level of amplification being applied.

## Camera settings

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

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

### Intelligent features

- **Scene optimizer:** Automatically adjust the color settings of your pictures to match the subject matter.
- **Shot suggestions:** Get on-screen guides to help you line up great shots.
- **Scan QR codes:** Automatically detect QR codes when using the camera.

### Pictures

- **Swipe Shutter button to:** Choose to either take a burst shot or create a GIF when you swipe the shutter to the nearest edge.
- **Format and advanced options:** Choose file formats and other saving options.
  - **HEIF pictures:** Save pictures as high efficiency images to save space. Some sharing sites may not support this format.
  - **RAW copies:** Save JPEG and RAW copies of pictures taken in Pro mode.
  - **Ultra wide shape correction:** Automatically correct distortion in pictures taken with the ultra wide lens.

### Selfies

- **Use wide angle for group selfies:** Automatically switch to wide-angle when there are two or more people in the selfie.
- **Save selfies as previewed:** Save selfies as they appear in the preview without flipping them.
- **Selfie color tone:** Set the color tone for your selfies to Natural or Bright.

## Videos

- **Advanced recording options:** Enhance your videos with advanced recording formats.
  - **High efficiency videos:** Record videos in HEVC format to save space. Other devices or sharing sites may not support playback of this format.
  - **HDR10+ videos:** Optimize videos by recording in HDR10+. Playback devices must support HDR10+ video.
  - **Zoom-in mic:** Match the mic zoom to the camera zoom while recording videos.
- **Video stabilization:** Activate anti-shake to keep the focus steady when the camera is moving.

## Useful features

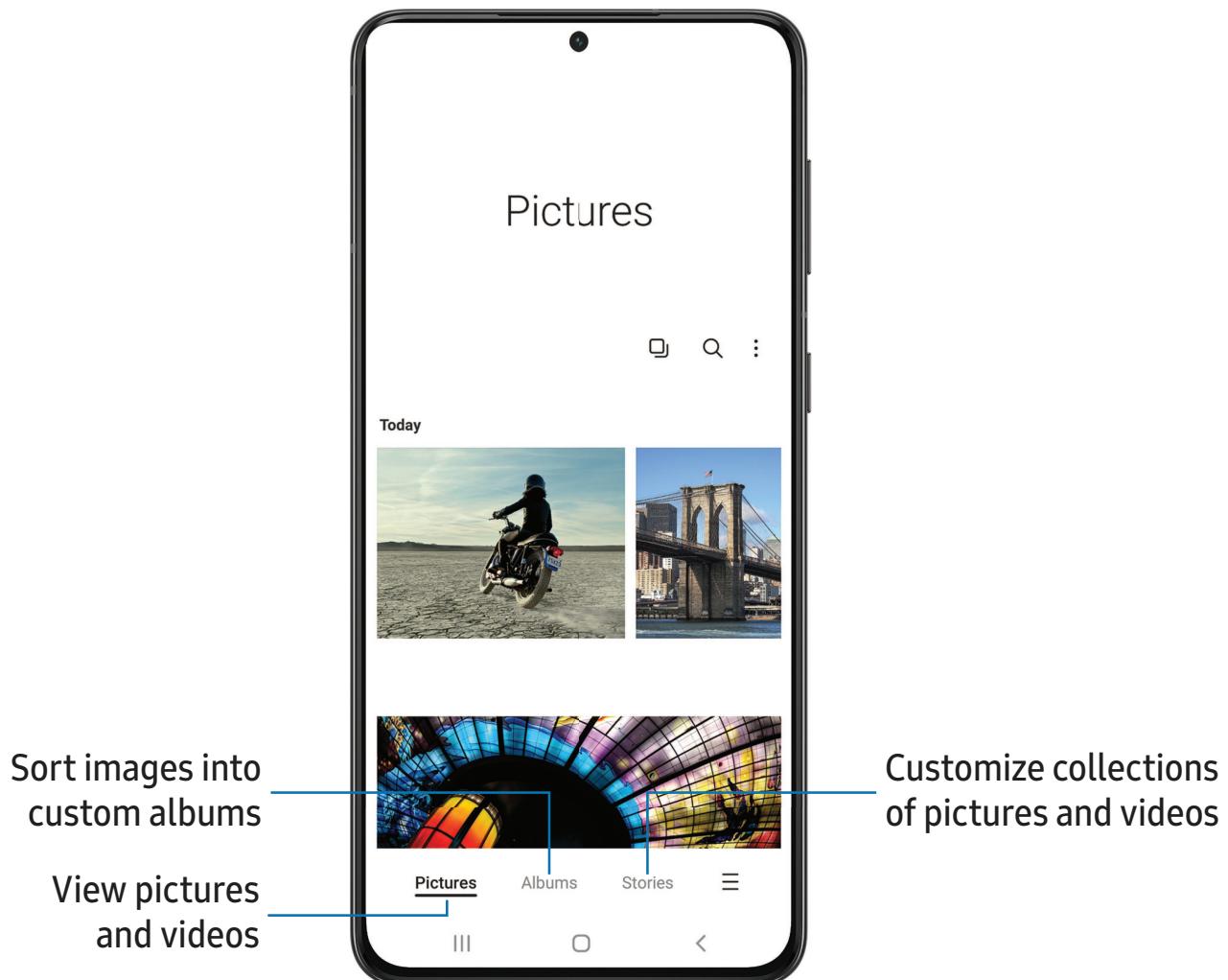
- **Auto HDR:** Capture more detail in the bright and dark areas of your shots.
- **Tracking auto-focus:** Keep a moving subject in focus.
- **Grid lines:** Display viewfinder grid lines to help compose a picture or video.
- **Location tags:** Attach a GPS location tag to your pictures and videos.
-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

- **Contact us:** Contact Samsung support through Samsung Members (if supported by your carrier).
- **About Camera:** View app and software information.

# Gallery

Go to the Gallery to look at all the visual media stored on your device. You can view, edit, and manage pictures and videos.

- From Apps, tap  **Gallery**.



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

## View pictures

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

1. From  **Gallery**, tap **Pictures**.
2. Tap a picture to view it. Swipe left or right to view other pictures or videos.
  - To use Bixby Vision on the current picture, tap **Bixby Vision**. For more information, see [Bixby](#).
  - To mark the picture as a favorite, tap  **Add to Favorites**.
  - To access the following features, tap  **More options**:
    - **Details**: View and edit information about the picture.
    - **Set as wallpaper**: Set the picture as wallpaper.
    - **Copy to clipboard**: Copy the image to paste in another app.
    - **Move to Secure Folder**: Move the picture to a Secure Folder.
    - **Print**: Send the picture to a connected printer.

## Edit pictures

Enhance your pictures using the Gallery's editing tools.

1. From  **Gallery**, tap **Pictures**.
2. Tap a picture to view it, and then tap  **Edit** for the following options:
  -  **Transform**: Rotate, flip, crop, or make other changes to the overall appearance of the picture.
  -  **Filters**: Add color effects.
  -  **Tone**: Adjust the brightness, exposure, contrast, and more.
  -  **Stickers**: Overlay illustrated or animated stickers.
  -  **Draw**: Add handwritten text or hand drawn content.
  -  **Text**: Add text to the picture.
  -  **Portrait**: Enhance skin tones, eyes, and other facial features.
  -  **Auto adjust**: Apply automatic adjustments to improve the picture.
  - **Revert**: Undo the changes applied to restore the original picture.
3. Tap **Save** when finished.

## Play video

View the videos stored on your device. You can save videos as favorites, and view video details.

1. From  **Gallery**, tap **Pictures**.
2. Tap a video to view it. Swipe left or right to view other pictures or videos.
  - To mark the video as a favorite, tap  **Add to Favorites**. The video is added to **Favorites** under the **Albums** tab.
  - To access the following features, tap  **More options**:
    - **Details**: View and edit information about the video.
    - **Set as wallpaper**: Set the video as wallpaper on the Lock screen.
    - **Move to Secure Folder**: Add this video to your Secure Folder.
3. Tap  **Play video** to play the video.

## Video enhancer

Enhance the image quality of your videos to enjoy brighter and more vivid colors.

1. From **Settings**, tap  **Advanced features** > **Video enhancer**.
2. Tap  to enable this feature.

## Edit video

Edit videos stored on your device.

1. From  **Gallery**, tap **Pictures**.
2. Tap a video to view it.
3. Tap  **Edit** to use the following tools:
  -  **Play**: Preview the edited video.
  -  **Trim**: Cut segments of the video.
  -  **Transform**: Rotate, flip, crop, or make other changes to the overall appearance of the video.
  -  **Filters**: Add visual effects to the video.
  -  **Sticker**: Overlay illustrated or animated stickers.

- **Draw:** Draw on your video.
  - **Text:** Add text to your videos.
  - **Portrait:** Enhance skin tones, eyes, and other facial features.
  - **Speed:** Adjust the play speed.
  - **Audio:** Adjust the volume levels and add background music to the video.
4. Tap **Save**, and then confirm when prompted.

## Share pictures and videos

Share pictures and videos from the Gallery app.

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

## Delete pictures and videos

Delete pictures and videos stored on your device.

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

## Group similar images

Organize pictures and videos in the Gallery by similarity.

1. From **Gallery**, tap **Group similar images**.
2. Tap **Ungroup similar images** to return to the default Gallery view.

## Take a screenshot

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

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

## Palm swipe to capture a screenshot

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

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

## Screenshot Settings

Modify screenshot settings.

- From Settings, tap Advanced features > Screenshots and screen recorder.
  - **Screenshot toolbar:** Show additional options after you take a screenshot.
  - **Hide status and navigation bars:** Do not display the status bar or navigation bars on screenshots.
  - **Delete shared screenshots:** Automatically delete screenshots after they are shared through the screenshot toolbar.
  - **Screenshot format:** Choose if you would like your screenshots to be saved as JPG or PNG files.

## Screen recorder

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

1. From Quick Settings, tap Screen recorder > Start recording.
2. A three-second countdown runs before it starts recording. You can tap **Skip countdown** to begin recording immediately.
  - Tap Draw to draw on the screen.
  - Tap Pointer to show an icon on the screen when using your S Pen (Galaxy S21 Ultra 5G only).
  - Tap Selfie video to include a recording from your front camera.
3. Tap Stop to finish recording. These are automatically saved to the Screen recordings album in the Gallery.

## Screen recorder settings

Control the sound and quality settings for the screen recorder.

- From Settings, tap  Advanced features > Screenshots and screen recorder.
  - **Sound:** Choose what sounds to record while using the screen recorder.
  - **Video quality:** Select a resolution. Selecting a higher resolution for higher quality requires more memory.
  - **Selfie video size:** Drag the slider to set the size of the video overlay.

# Apps

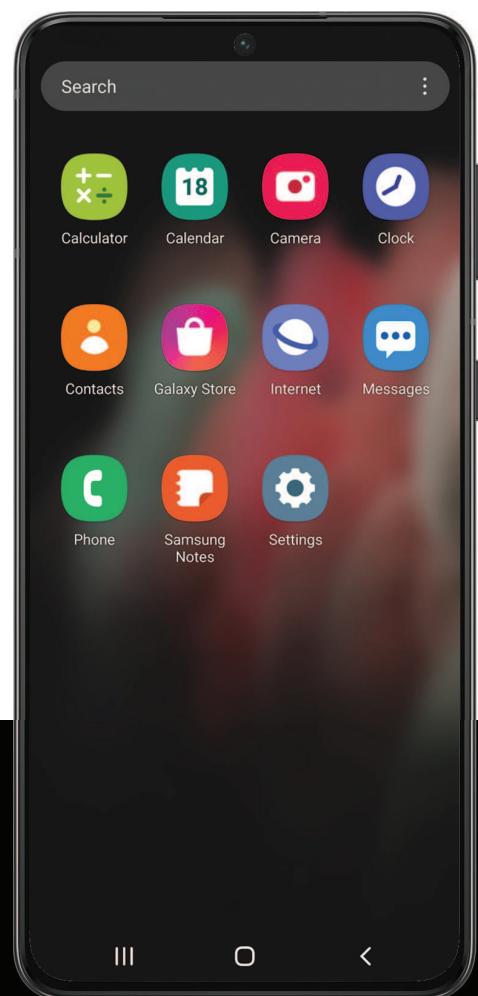
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Using apps

Samsung apps

Google apps

Microsoft apps



# Using apps

[Uninstall or disable apps](#) | [Search for apps](#) | [Sort apps](#) | [Create and use folders](#) | [Game Booster](#) | [App settings](#)

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

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

## Uninstall or disable apps

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

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

## Search for apps

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

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

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

## Sort apps

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

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

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

## Create and use folders

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

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

## Copy a folder to a Home screen

You can copy a folder to a Home screen.

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

## Delete a folder

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

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

## Game Booster

Get optimized performance while playing games based on usage. Block calls or other notifications, and enable features such as Bixby or Dolby Atmos.

- While playing a game, swipe up from the bottom of the screen to view the navigation bar. The following options are seen on the far right and left sides:
  -  **Screen touch lock:** Lock the screen to prevent accidental taps. This is the default option.
  -  **Game Booster:** Configure other options, including performance monitoring and blocking the navigation bar, screen touches, and screenshots.

## App settings

Manage your downloaded and preloaded apps.

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

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

# Samsung apps

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

[Galaxy Essentials](#) | [AR Zone](#) | [Bixby](#) | [Galaxy Shop](#) | [Galaxy Store](#) | [Galaxy Wearable](#) | [Game Launcher](#) | [PENUP](#) | [Samsung Free](#) | [Samsung Global Goals](#) | [Samsung Members](#) | [Samsung TV Plus](#) | [SmartThings](#) | [Tips](#) | [Calculator](#) | [Calendar](#) | [Clock](#) | [Contacts](#) | [Internet](#) | [Messages](#) | [My Files](#) | [Phone](#) | [Samsung Health](#) | [Samsung Notes](#) | [Samsung Pay](#)

## Galaxy Essentials

Galaxy Essentials is a collection of specially chosen applications available through Samsung apps. You can access and download a collection of premium content.

- From Apps, tap ⚙ More options > Galaxy Essentials.



## AR Zone

Access all of your Augmented Reality (AR) features in one place.

For more information, see [AR Zone](#).



## Bixby

Bixby displays customized content based on your interactions. Bixby learns from your usage patterns and suggests content you may like.

For more information, see [Bixby](#).



## Galaxy Shop

The best way to stay updated on the next Galaxy device, shop Samsung products, and unlock exclusive offers.

## Galaxy Store

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

## Galaxy Wearable

Connect your device to your Samsung Watch using this application.

For more information, visit [samsung.com/us/support/owners/app/galaxy-wearable-watch](http://samsung.com/us/support/owners/app/galaxy-wearable-watch).

## Game Launcher

Automatically arrange all your games in one place. For more information on Game Launcher, visit [samsung.com/us/support/owners/app/game-launcher](http://samsung.com/us/support/owners/app/game-launcher).

 **TIP** If Game Launcher is not seen in the Apps list, then from Settings, tap  Advanced features > Game Launcher, and then tap .

## PENUP

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.

## Samsung Free

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

## Samsung Global Goals

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

 **Samsung Members**

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

 **Samsung TV Plus**

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

 **SmartThings**

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

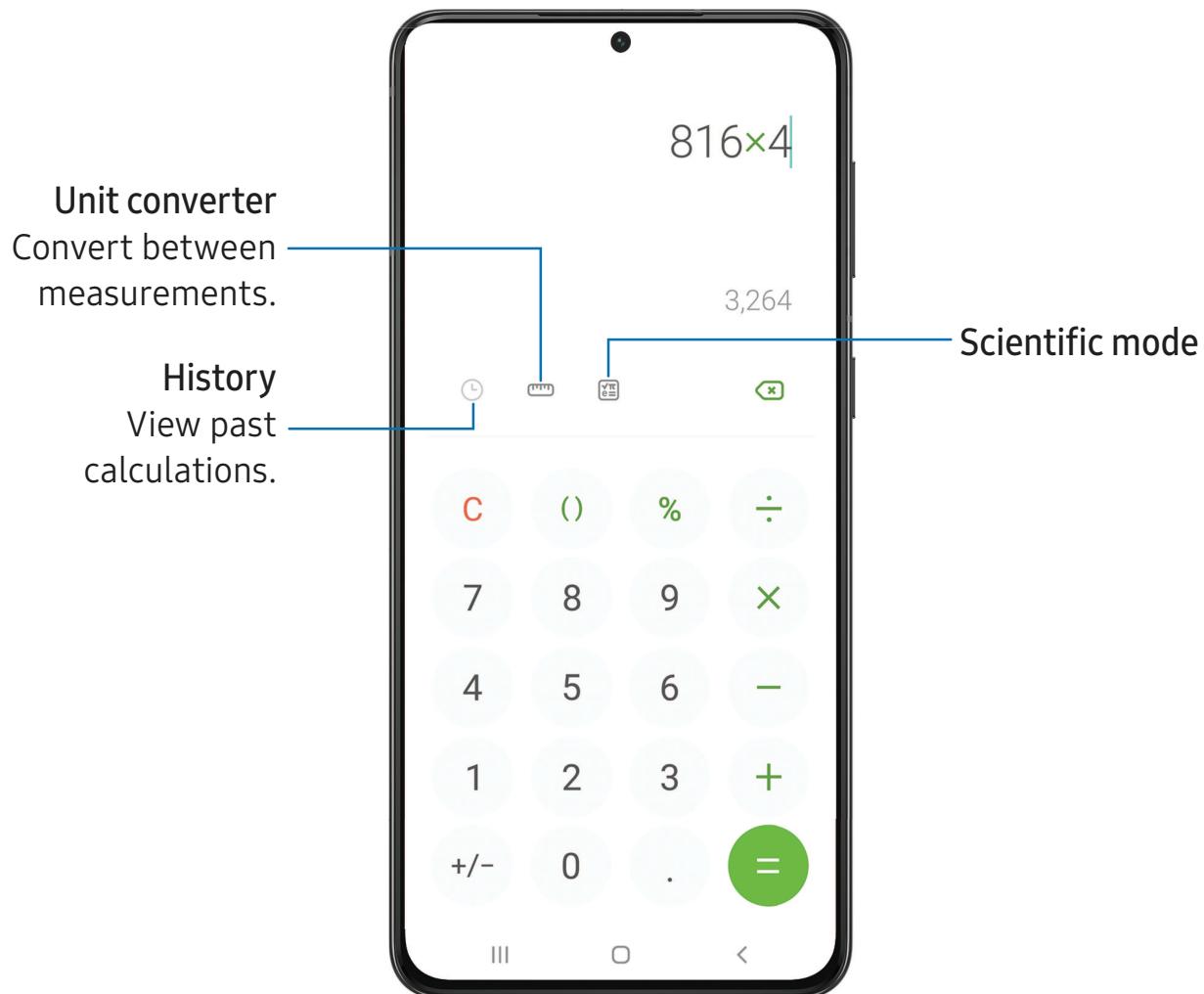
 **NOTE** Non-Samsung connected device errors or defects are not covered by the Samsung warranty; contact the non-Samsung device manufacturer for support.

 **Tips**

View tips and techniques as well as the user manual for your device.

 **Calculator**

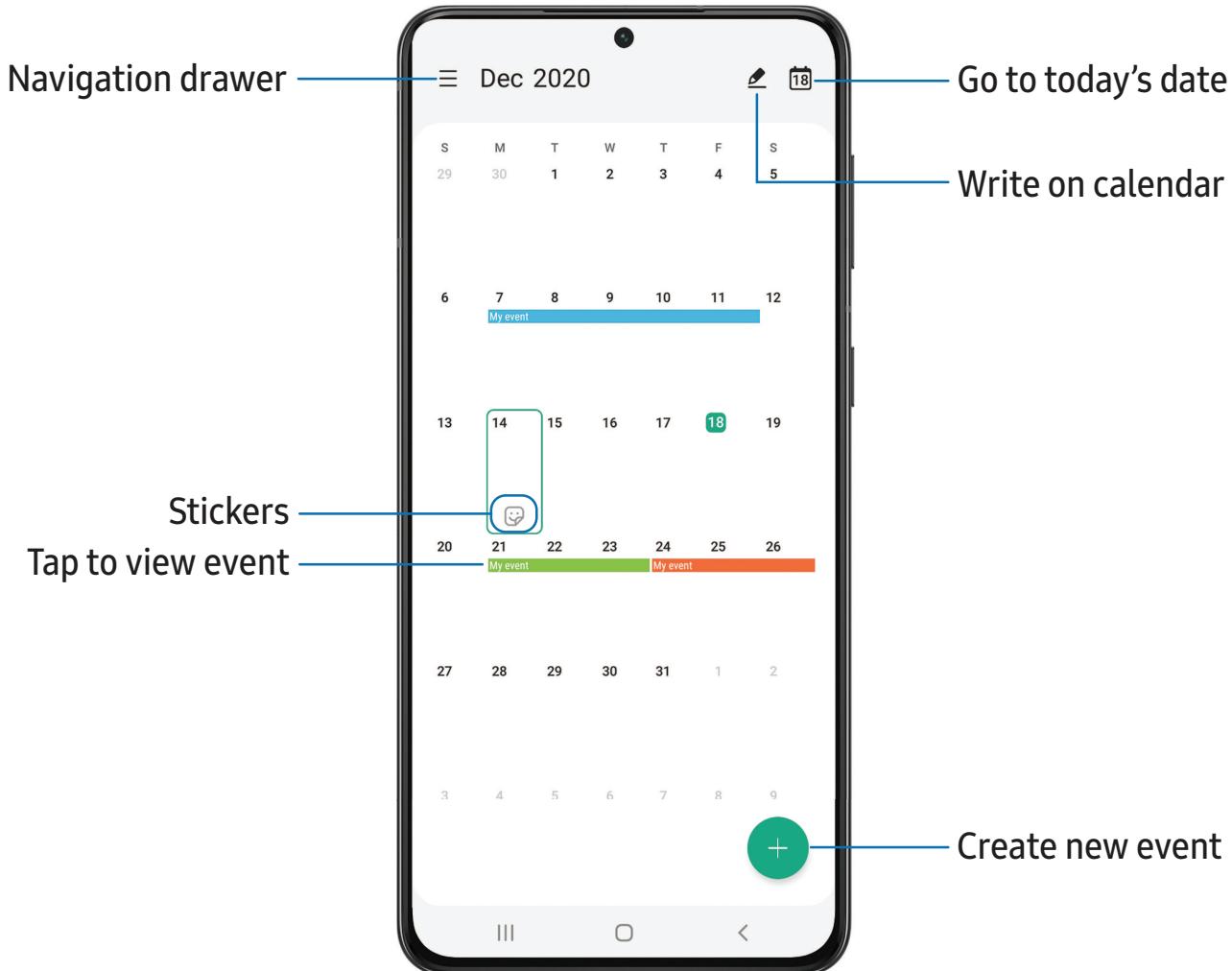
The Calculator app features both basic and scientific math functions, as well as a unit converter.



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

## 1 Calendar

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



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## Add calendars

Add your accounts to the Calendar app.

1. From  Calendar, tap  Navigation drawer.
2. Tap  Calendar settings > Add account and select an account type.
3. Enter your account information and follow the prompts.

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

## Subscription calendars

Subscribe to calendars that match your interests, you can easily find a variety of upcoming events and add them to your schedule.

1. From  Calendar, tap  Navigation drawer.
2. Tap Add your interests and follow the prompts.

## Calendar alert style

Alerts from the Calendar app can be set to different styles.

1. From  Calendar, tap  Navigation drawer >  Calendar settings > Alert style. The following options are available:
  - Light: Receive a notification and hear a short sound.
  - Medium: Get a full screen alert and hear a short sound.
  - Strong: Get a full-screen alert and ring sound that persist until dismissed.
2. Depending on the alert style selected above, the following sound options are available:
  - Ring once sound: Choose the alert sound for Light or Medium alert styles.
  - Keep ringing sound: Choose the alert sound for the Strong alert style.

## Create an event

Use your Calendar to create events.

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

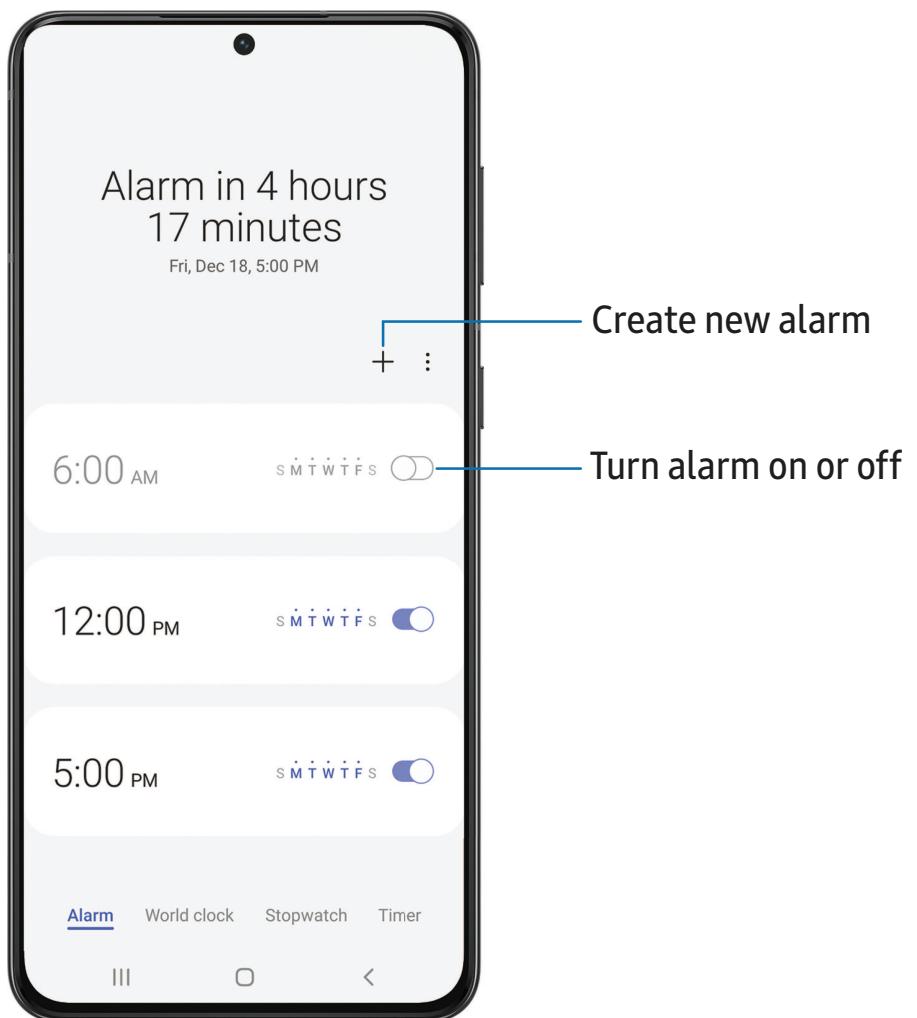
## Delete an event

Delete events from your Calendar.

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

 **Clock**

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



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## Alarm

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

1. From  Clock, tap  Add alarm.
2. Tap the following items to configure an alarm:
  - **Time:** Set a time for the alarm.
  - **Day:** Choose the days for this alarm.
  - **Alarm name:** Enter a name for the alarm.
  - **Alarm sound:** Choose a sound to play for the alarm and drag the slider to set the volume of the alarm.
  - **Vibration:** Choose whether the alarm uses vibration alert.
  - **Snooze:** Allow snoozing. Set interval and repeat values for the alarm while snoozing.
3. Tap **Save** to save the alarm.

### Delete an alarm

You can delete an alarm that you created.

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

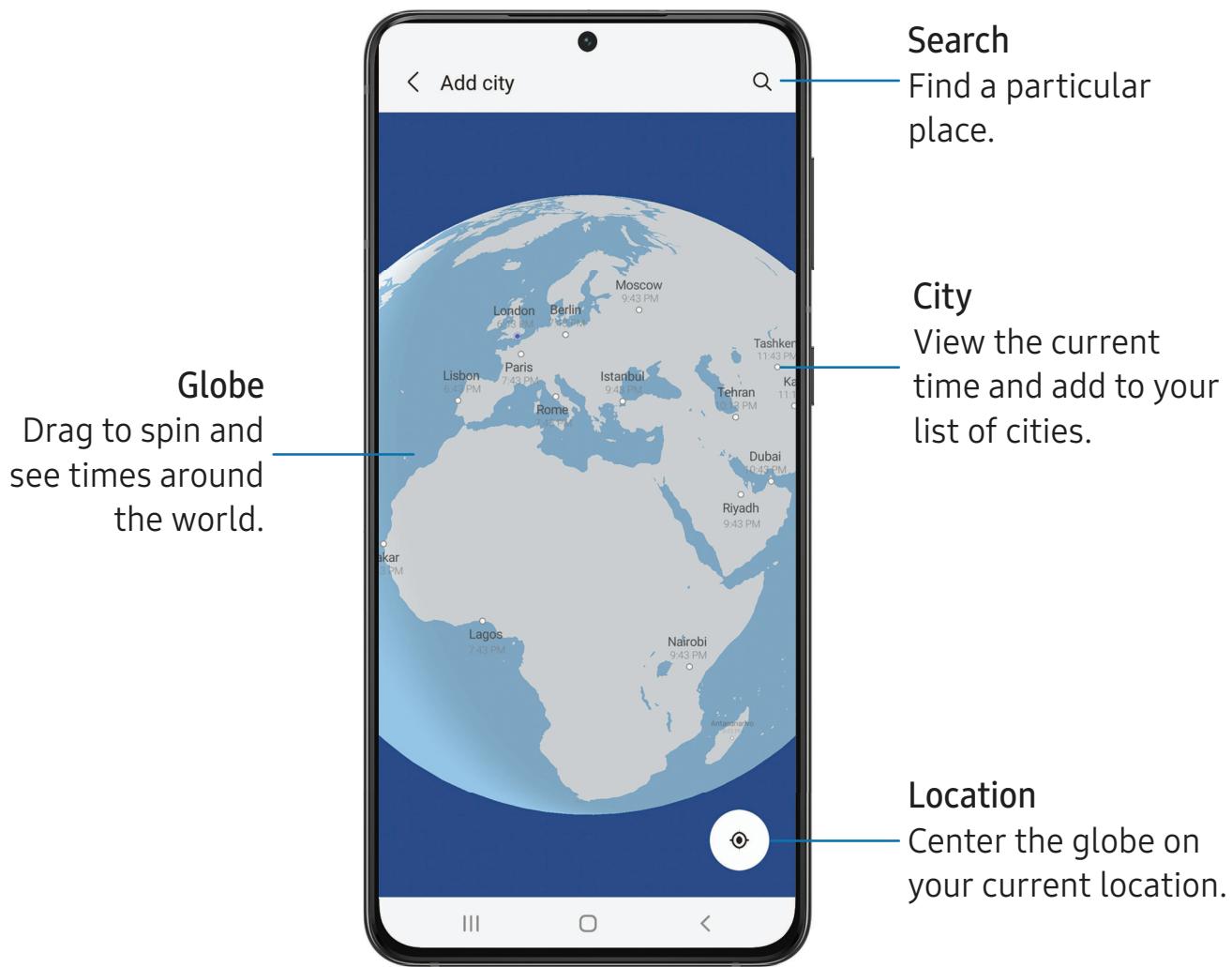
## Alert settings

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

1. From  Clock, tap  More options > Settings.
2. Tap **Vibrate for alarms and timers** to enable the feature.

## World clock

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



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

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### Time zone converter

Set a time in a city on your World clock list to see what the local times would be in the other listed cities.

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

### Weather settings

Show weather information on your World clock.

1. From  **Clock**, tap **World clock**.
2. Tap  **More options** > **Settings** > **Show weather information** to enable or disable weather information.
3. Tap **Unit** to change from Fahrenheit to Celsius.

### Stopwatch

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

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

## Timer

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

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

## Preset timer

Name and save preset timers.

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

## Timer options

You can customize the Timer options.

1. From  Clock, tap Timer.
2. Tap  More options > Settings.
  - Sound: Choose a preloaded timer sound or add your own.
  - Vibration: Enable to disable vibration for the timer.

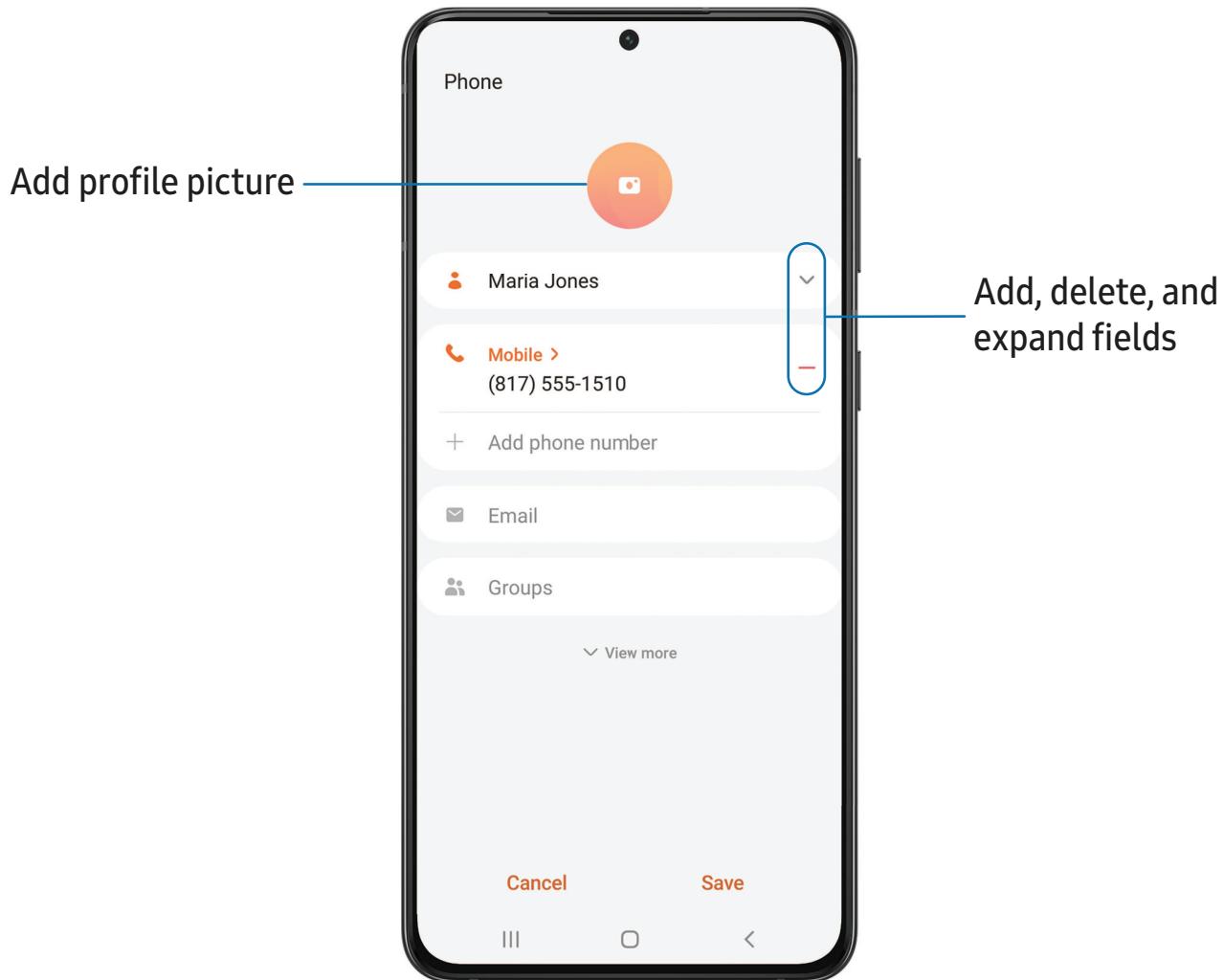
## General settings

View and configure settings for all Clock tools.

- From  Clock, tap  More options > Settings.
  - Customization Service: Sign in to your Samsung account to customize personal content in supported apps.
  - About Clock: View the current software version and check for updates.

 **Contacts**

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



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## Create a contact

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

## Edit a contact

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

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

## Favorites

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

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

## Share a contact

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

1. From  Contacts, tap a contact.
2. Tap  Share.
3. Tap either File or Text.
4. Choose a sharing method and follow the prompts.

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

### Show contacts when sharing content

Share content directly with your contacts from within any app. Once enabled, your frequent contacts are displayed in the Share window.

- From Settings, tap Advanced features > Show contacts when sharing content, and tap to enable the feature.

## Groups

You can use groups to organize your contacts.

### Create a group

Create your own contact groups.

- From Contacts, tap Open drawer > Groups.
- Tap Create group, 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.

- From Contacts, tap Open drawer > Groups, and then tap a group.
  - To remove a contact, touch and hold a contact to select it, and then tap Remove.
  - To add a contact, tap Edit > Add member, and then tap the contacts you want to add. When finished, tap Done > Save.

### Send a message to a group

Send a text message to members of a group.

- From Contacts, tap Open drawer > Groups, and then tap a group.
- Tap More options > Send message.

## Send an email to a group

Send an email to members of a group.

1. From  Contacts, tap  Open drawer > Groups, and then tap a group.
2. Tap  More options > Send email.
3. 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.
4. Choose an email account and follow the prompts.

## Delete a group

Delete a group you have created.

1. From  Contacts, tap  Open drawer > Groups, and then tap a group.
2. Tap  More options > Delete.
  - To only delete the group, tap **Group only**.
  - To delete the group and the contacts in the group, tap **Group and members**.

## Manage contacts

You can import or export contacts, as well as link multiple contacts into one contact entry.

### Merge contacts

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

1. From  Contacts, tap  Open drawer > Manage contacts.
2. Tap **Merge contacts**. Contacts with duplicate phone numbers, email addresses, and names will be listed together.
3. Tap the contacts to select them, and tap **Merge**.

## Delete duplicate contacts

Quickly remove duplicated contacts.

1. From  Contacts, tap  Open drawer > Manage contacts.
2. Tap Delete duplicate contacts. Contacts that are duplicated are listed.
3. Tap the contacts to select them, and tap Delete.

## Import contacts

Import contacts to your device as vCard files (VCF).

1. From  Contacts, tap  Open drawer > Manage contacts.
2. Tap Import or export contacts.
3. Tap Import and follow the prompts.

## Export contacts

Export contacts from your device as vCard files (VCF).

1. From  Contacts tap  Open drawer > Manage contacts.
2. Tap Import or export contacts.
3. Tap Export and follow the prompts.

## Sync contacts

Keep all of your contacts up to date in all of your accounts.

1. From  Contacts tap  Open drawer > Manage contacts.
2. Tap Sync contacts.

## Set default storage location

Automatically save new contacts to your device, SIM card, or an account.

1. From  Contacts, tap  Open drawer > Manage contacts.
2. Tap Set default storage location.
3. Tap an option or add an account to set the default.

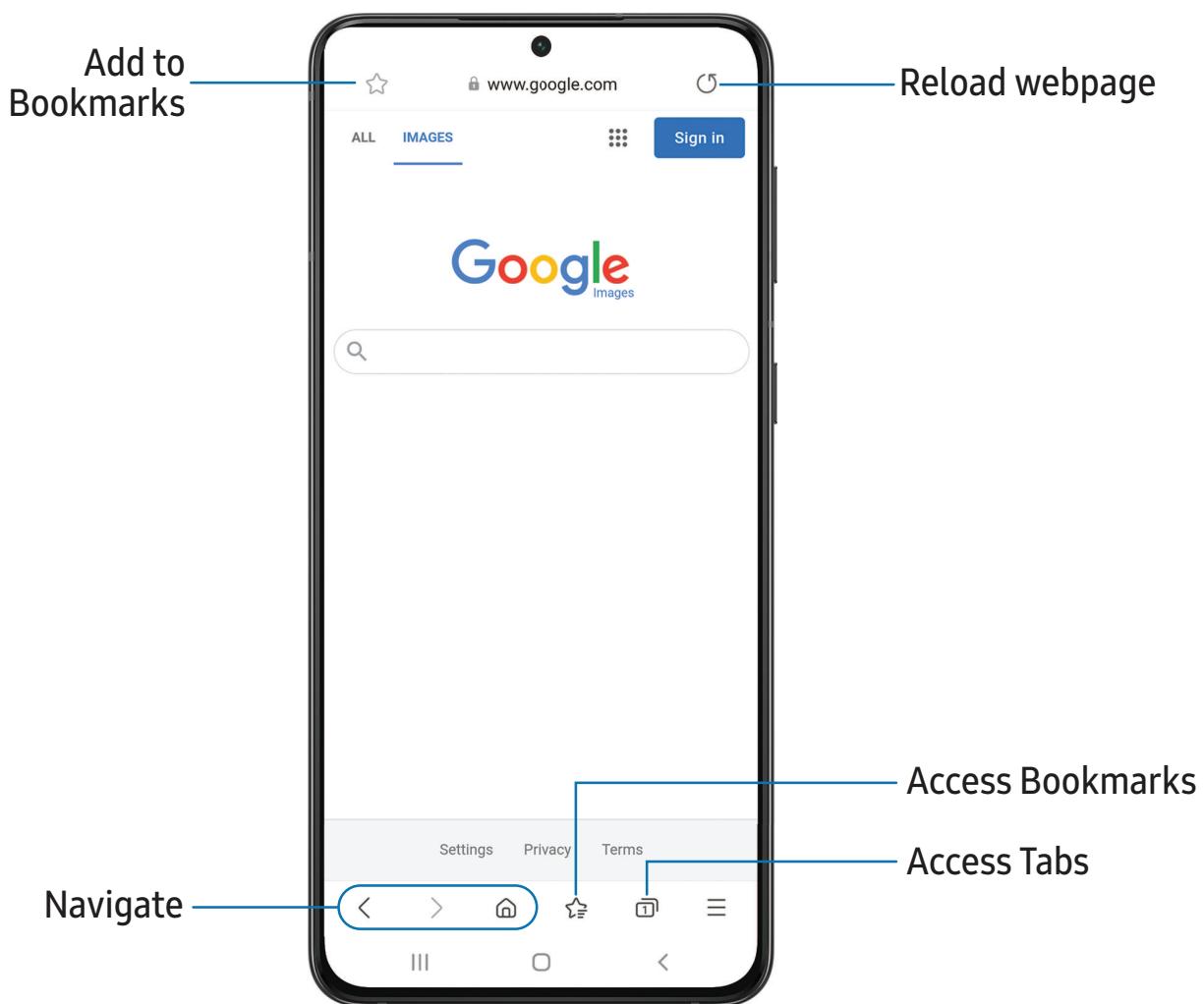
## Delete contacts

Delete a single contact or multiple contacts.

1. From  **Contacts**, touch and hold a contact to select it.
  - You can also tap other contacts to select them for deletion.
2. Tap  **Delete**, and confirm when prompted.

 **Internet**

Samsung Internet is a simple, fast, and reliable web browser for your device. Experience more secure Web browsing features with Secret Mode, Biometric Web Login, and Contents Blocker.



 **TIP** Visit [samsung.com/us/support/owners/app/samsung-internet](http://samsung.com/us/support/owners/app/samsung-internet) for more information.

## Browser tabs

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

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

## Create a Bookmark

Bookmark your favorite webpages to quickly access them.

- From  Internet, tap  Bookmark to save the open webpage.

## Open a Bookmark

Quickly launch a web page from the Bookmarks page.

1. From  Internet, tap  Bookmarks.
2. Tap a bookmark entry.

## Save a web page

There are several options to save a webpage in the Samsung Internet app.

- From  Internet, tap  Tools > Add page to for the following options:
  - **Bookmarks:** Add the webpage to your Bookmark list.
  - **Quick access:** View a list of commonly accessed or saved webpages.
  - **Home screen:** Create a shortcut to the webpage on your Home screen.
  - **Saved pages:** Save the webpage content on your device so that you can access it offline.

## View history

To view a list of recently visited web pages:

- From  Internet, tap  Tools > History.

 **TIP** To clear your browsing history, tap  More options > Clear history.

## Share pages

Web pages can be shared with your contacts.

- From  Internet, tap  Tools > Share, and follow the prompts.

## Secret mode

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

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

1. From  Internet, tap  Tabs > Turn on secret mode.
2. Tap Start to begin browsing in secret mode.

## Secret mode settings

Require a password or biometric lock to use secret mode.

1. From  Internet, tap  Tabs.
2. Tap  More options > Secret mode settings for the following options:
  - Use password: Create a password to enable secret mode.
  - Face: Use Face recognition to keep Secret mode private.
  - Fingerprints: Use Fingerprint scanner to keep Secret mode private.
  - Reset Secret mode: Erase your secret mode data and restore defaults.

## Turn off secret mode

Disable secret mode and return to normal browsing.

- From  Internet, tap  Tabs > Turn off secret mode.

## Internet settings

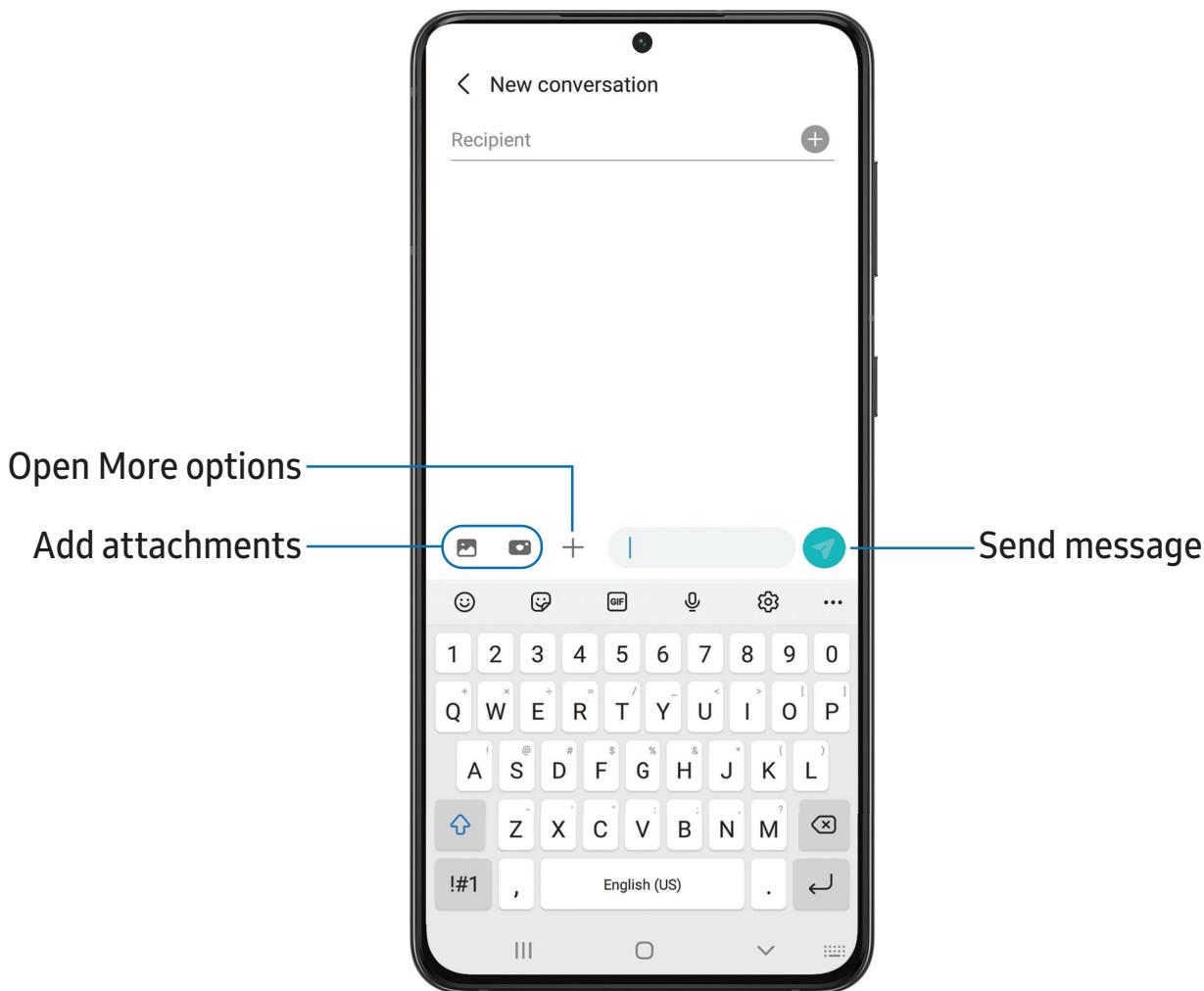
Modify settings associated with using the Internet app.

- From  Internet, tap  Tools > Settings.

## Messages

Keep in touch with your contacts by using the Messages app to share photos, send emojis, or just say a quick hello.

- From  **Messages**, tap  **Compose new message**.



## Message search

To quickly locate a message, use the search feature.

- From  **Messages**, tap  **Search**.
- Enter keywords in the **Search** field, and then tap  **Search** on the keyboard.