User manual
# Table of contents

**Features**

Meet Bixby 1

Camera 1

Night mode 1

Expandable storage 1

Security 1

**Getting started**

Device layout 2

Assemble your device 3

Start using your device 5

Use the Setup Wizard 6

Lock or unlock your device 7

Accounts 8

Transfer data from an old device 9

Navigation 10

Navigation bar 15

Customize your home screen 17

Bixby 23
Table of contents

Digital wellbeing 24
Flexible security 25
Multi window 28
Enter text 29

Apps 33

Using apps 34
Uninstall or disable apps 34
Search for apps 34
Sort apps 34
Create and use folders 35

Samsung apps 35
Galaxy Essentials 35
Galaxy Apps 36
Samsung Flow 36
Samsung Notes 37
SmartThings 39
Calculator 40
Calendar 41
Camera 43
<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clock</td>
<td>47</td>
</tr>
<tr>
<td>Contacts</td>
<td>51</td>
</tr>
<tr>
<td>Email</td>
<td>56</td>
</tr>
<tr>
<td>Gallery</td>
<td>59</td>
</tr>
<tr>
<td>Internet</td>
<td>63</td>
</tr>
<tr>
<td>Messages</td>
<td>66</td>
</tr>
<tr>
<td>My Files</td>
<td>68</td>
</tr>
<tr>
<td>Phone</td>
<td>70</td>
</tr>
<tr>
<td>Google apps</td>
<td>73</td>
</tr>
<tr>
<td>Chrome</td>
<td>73</td>
</tr>
<tr>
<td>Drive</td>
<td>74</td>
</tr>
<tr>
<td>Duo</td>
<td>74</td>
</tr>
<tr>
<td>Gmail</td>
<td>74</td>
</tr>
<tr>
<td>Google</td>
<td>74</td>
</tr>
<tr>
<td>Maps</td>
<td>74</td>
</tr>
<tr>
<td>Photos</td>
<td>74</td>
</tr>
<tr>
<td>Play Movies &amp; TV</td>
<td>75</td>
</tr>
<tr>
<td>Play Music</td>
<td>75</td>
</tr>
<tr>
<td>Play Store</td>
<td>75</td>
</tr>
</tbody>
</table>
## YouTube

75

**Settings**

### Access Settings

77

### Search for Settings

77

### Connections

77

#### Wi-Fi

77

#### Bluetooth

79

#### Tablet visibility

80

#### Airplane mode

80

#### Data usage

81

#### Call and message continuity

81

#### Nearby device scanning

81

#### Connect to a printer

82

#### Virtual Private Networks

82

#### Private DNS

83

#### Ethernet

83

### Sound

83

#### Sound mode

83

#### Notification sounds

84
<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume</td>
<td>84</td>
</tr>
<tr>
<td>System sounds</td>
<td>84</td>
</tr>
<tr>
<td>Dolby Atmos</td>
<td>85</td>
</tr>
<tr>
<td>Equalizer</td>
<td>85</td>
</tr>
<tr>
<td>Headset audio options</td>
<td>85</td>
</tr>
<tr>
<td>Adapt sound</td>
<td>85</td>
</tr>
<tr>
<td>Separate app sound</td>
<td>86</td>
</tr>
<tr>
<td>Notifications</td>
<td>86</td>
</tr>
<tr>
<td>Manage notifications</td>
<td>86</td>
</tr>
<tr>
<td>Customize app notifications</td>
<td>87</td>
</tr>
<tr>
<td>Smart pop-up view</td>
<td>87</td>
</tr>
<tr>
<td>Display</td>
<td>87</td>
</tr>
<tr>
<td>Screen brightness</td>
<td>87</td>
</tr>
<tr>
<td>Blue light filter</td>
<td>88</td>
</tr>
<tr>
<td>Night mode</td>
<td>88</td>
</tr>
<tr>
<td>Screen mode</td>
<td>88</td>
</tr>
<tr>
<td>Font size and style</td>
<td>89</td>
</tr>
<tr>
<td>Screen zoom</td>
<td>89</td>
</tr>
<tr>
<td>Screen timeout</td>
<td>89</td>
</tr>
<tr>
<td>Section</td>
<td>Page</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>------</td>
</tr>
<tr>
<td>Screen saver</td>
<td>89</td>
</tr>
<tr>
<td>Reduce animations</td>
<td>90</td>
</tr>
<tr>
<td>Double tap to wake up</td>
<td>90</td>
</tr>
<tr>
<td>Smart stay</td>
<td>90</td>
</tr>
<tr>
<td>Device maintenance</td>
<td>90</td>
</tr>
<tr>
<td>Quick optimization</td>
<td>90</td>
</tr>
<tr>
<td>Battery</td>
<td>91</td>
</tr>
<tr>
<td>Storage and memory card</td>
<td>91</td>
</tr>
<tr>
<td>Memory</td>
<td>92</td>
</tr>
<tr>
<td>Security</td>
<td>92</td>
</tr>
<tr>
<td>Language and input</td>
<td>93</td>
</tr>
<tr>
<td>Date and time</td>
<td>95</td>
</tr>
<tr>
<td>Troubleshooting</td>
<td>96</td>
</tr>
<tr>
<td>Lock screen and security</td>
<td>99</td>
</tr>
<tr>
<td>Screen lock types</td>
<td>99</td>
</tr>
<tr>
<td>Clock and information</td>
<td>100</td>
</tr>
<tr>
<td>Google Play Protect</td>
<td>100</td>
</tr>
<tr>
<td>Find My Mobile</td>
<td>100</td>
</tr>
<tr>
<td>Security update</td>
<td>101</td>
</tr>
<tr>
<td>Section</td>
<td>Page</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>------</td>
</tr>
<tr>
<td>Remove an account</td>
<td>108</td>
</tr>
<tr>
<td>Users</td>
<td>108</td>
</tr>
<tr>
<td>Backup and restore</td>
<td>109</td>
</tr>
<tr>
<td>Google settings</td>
<td>110</td>
</tr>
<tr>
<td>Accessibility</td>
<td>110</td>
</tr>
<tr>
<td>Screen Reader</td>
<td>110</td>
</tr>
<tr>
<td>Visibility enhancements</td>
<td>111</td>
</tr>
<tr>
<td>Hearing Enhancements</td>
<td>112</td>
</tr>
<tr>
<td>Interaction and dexterity</td>
<td>113</td>
</tr>
<tr>
<td>Advanced settings</td>
<td>114</td>
</tr>
<tr>
<td>Installed services</td>
<td>115</td>
</tr>
<tr>
<td>Other settings</td>
<td>115</td>
</tr>
<tr>
<td>User manual</td>
<td>115</td>
</tr>
<tr>
<td>Samsung DeX</td>
<td>115</td>
</tr>
<tr>
<td>Automatic unlock</td>
<td>115</td>
</tr>
<tr>
<td>Manage game features</td>
<td>116</td>
</tr>
<tr>
<td>Daily Board</td>
<td>116</td>
</tr>
<tr>
<td>About tablet</td>
<td>116</td>
</tr>
</tbody>
</table>
Table of contents

Learn more 117

Videos 117

Smart Simulator 117

Tips 117

Samsung Care 117

Talk to an agent 117

Legal information 118

Intellectual property 119

Open source software 119

Disclaimer of warranties; exclusion of liability 120

Modification of software 120

Samsung Knox 121

Restricting children’s access to your mobile device 121

Samsung Electronics America, Inc. 121
Meet Bixby
Bixby learns what you like to do and works with your favorite apps and services to help you get more done. See Bixby on page 23.

Camera
The camera on your device has several unique features. See Camera on page 43.

Night mode
Use a darker theme to keep your eyes comfortable at night. See Night mode on page 88.

Expandable storage
Expand storage with a supported microSD card. See Memory card on page 91.

Security
Use your face, fingerprint to unlock your device. For more information, see Flexible security on page 25.
Getting started

Device layout

Assemble your device

Start using your device
Devices and software are constantly evolving — the illustrations you see here are for reference only.
Devices and software are constantly evolving — the illustrations you see here are for reference only.
Assemble your device

Install microSD card
Slide the optional microSD™ card (sold separately) into the tray with the gold contacts facing down.

Charge your device
Before turning on your device, charge it fully.

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

**NOTE** 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 normal range of operation. Remove the device from the charger and wait for the device to cool down. For more information, visit samsung.com/us/support/answer/ANS00076952/.

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

Use the Power key to turn your device on or off. 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 Power key.
  - To turn the device off, press and hold the Power key, and tap ☑️ Power off. Confirm when prompted.
  - To restart your device, press and hold the Power key, and tap ☐️ Restart.

Use the Setup Wizard

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

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

Use your device’s screen lock features to secure your device. By default, the device locks automatically when the screen times out. For more information about screen locks, see Lock screen and security on page 99.
Accounts

Set up and manage your email accounts, your Google™ Account, and Samsung account.

💡 TIP Accounts may support email, calendars, contacts, and other features. See 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 > 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 on page 98.

Add a Samsung account

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

1. From Settings, tap Accounts and backup > Accounts.
2. Tap + Add account > Samsung account.

💡 TIP To quickly access your Samsung account, from Settings tap Samsung account.

Add an email account

Sign in to one or more of your email accounts to view and manage email messages.

1. From Settings, tap Accounts and backup > Accounts.
2. Tap + Add account > Email.
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 to learn more.

1. From Settings, tap Accounts and backup > Smart Switch.
2. Follow the prompts and select the content to transfer.

Visit samsung.com/smartswitch for more information.
Getting started

**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 tempered glass surface and void 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.

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

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.

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

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

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

- Bring 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

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

To make more space on the screen, you can hide the navigation keys, and instead use gestures to navigate the device. Simply swipe up on the screen where the navigation buttons used to display to navigate the device.

- From Settings, tap ☀ Display > Navigation bar > Full screen gestures.
  - Tap Gesture hints to display lines at the bottom of the screen where gestures must be done for each navigation button.

💡 TIP You can also quickly switch between navigation gestures and navigation buttons using the Quick settings menu.

Button order

Personalize your device by changing where the Recent apps and Back buttons display on the Navigation bar.

- From Settings, tap ☀ Display > Navigation bar, and tap an option under Button order.
Customize your home screen

The Home screen is the starting point for navigating your device. You can place your favorite apps and widgets here. You can set up additional Home screens, remove screens, change the order of screens, and choose a main Home screen.

App icons

You can 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:

● Touch and hold an app icon, and tap Remove from Home.

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

Use folders

Organize App shortcuts in folders on an Apps screen or Home screen.

For more information, see Create and use folders on page 35.

Wallpapers

You can change the look of the Home and Lock screens by choosing a favorite picture or preloaded wallpaper.

1. From a Home screen, touch and hold the screen.
2. Tap Wallpapers.
3. Tap an image to choose it.
4. Tap Set as wallpaper, and confirm when prompted.
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 touch and hold a widget, drag it to a Home screen, and release it.

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 from Home: Delete a widget from your screen.
  - Widget 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 📱 Home screen 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.
   • **Apps button**: Add a button to the Home screen for easy access to the Apps screen.
   • **App icon badges**: Enable to show badges on apps with active notifications. You can also choose the badge style.
   • **Lock Home screen layout**: Prevent items on the Home screen from being removed or repositioned.
   • **Add apps to Home screen**: Automatically add newly-downloaded apps to the Home screen.
   • **Quick-open notification panel**: Enable this feature to open the Notification panel by swiping down anywhere on 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.
   • **About Home screen**: View version information.
Status bar
The Status bar provides device information on the right side and notification alerts on the left.

Status icons

- Battery full
- Battery low
- Charging
- Mute
- Airplane mode
- Bluetooth active
- Wi-Fi active
- Location active

Notification icons

- New email
- Download
- Upload
- Wi-Fi available
- 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.

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

You can access the Notification panel from any screen.

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

Quick settings

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

1. Drag the Status bar down to display the Notification panel.
2. Drag — View all downward.
   • Tap a quick setting icon to turn it on or off.
   • Touch and hold a quick setting icon to open the setting.
   • Tap Search to search the device.
   • Tap Settings to quickly access the device's settings menu.
   • Tap More options to reorder Quick settings or to change the button layout.
3. Drag — View all upward to close Quick settings.
Getting started

**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 for more information.

**Bixby Home**

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

- From a Home screen, swipe right.

**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 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 Bixby Vision and follow the prompts.
Digital wellbeing

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 for the following features:
  - **Screen time**: Tap the time value in the dashboard circle for details on how long each app has been opened and used today.
  - **Times opened**: Tap the Unlocks number to see how many times each app has been opened today.
  - **Notifications received**: Tap the Notifications number to see how many notifications have been received from each app today.
  - **Dashboard**: View all dashboard information shown above. Each app can have a timer set to limit usage throughout the day.
  - **Wind down**: Enable to turn the screen to grayscale and limit notifications before going to bed.
  - **Notifications**: Configure notification settings for each app.
Flexible security

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

Face recognition

You can enable Face Recognition to unlock your screen.

- 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.

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

Face recognition management

Customize how face recognition works.

🔹 From Settings, tap Biometrics and security > Face recognition.
  - **Remove face data**: Delete existing faces.
  - **Face unlock**: Enable or disable face recognition security.
  - **Stay on Lock screen**: 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.
  - **Brighten screen**: Increase the screen brightness temporarily so that your face can be recognized in dark conditions.
  - **Samsung Pass**: Access your online accounts using face recognition.
Fingerprint scanner
Use fingerprint recognition as an alternative to entering passwords in certain apps. You can also use your fingerprint to verify your identity when logging in to your Samsung account.

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

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

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 touch and hold 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: Wake and unlock your phone by just touching the Power key.
  • Samsung Pass: Use your fingerprint for identification when using supported apps.
Biometrics Preferences
Configure your preferences for biometric security options.

- From Settings, tap Biometrics and security > Biometrics preferences for the following options:
  - Preferred biometric: Choose your preferred biometric. Only biometrics that have already been set up are listed.
  - Screen transition effect: Show a transition effect when you use biometrics to unlock your device.
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 lower window to add it to the split screen view.
   • Drag the middle of the window border to adjust the window size.

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

Text can be entered using a keyboard or your voice.

- Tap a field to display the Samsung keyboard.
  - Tap ![1] Show predictive text to view suggested words while you type.
  - Tap ![2] Show toolbar functions to view all keyboard options.
Getting started

Toolbar functions
The toolbar provides additional helpful functions.

- From the Samsung keyboard, tap ... Expand toolbar for the following options:
  - Clipboard: Access the clipboard.
  - Emojis: Insert an emoji.
  - GIF keyboard: Add animated GIFs.
  - Handwriting: Use your handwriting to enter text.
  - Modes: Select a keyboard layout.
  - Settings: Access keyboard settings.
  - Stickers: Add illustrated stickers.
  - Text editing panel: Use an editing panel to help pinpoint text that you want to cut, copy, and paste.
  - Voice input: Use Google Voice™ typing.

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, slide the Space bar sideways.
  - Smart typing: Use predictive text and auto-correction features to prevent common typing mistakes. Type by swiping between letters.
  - Keyboard layout and feedback: Customize the appearance and function of the keyboard.
  - 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.
Use Google Voice typing
Instead of typing, enter text by speaking.

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

Set customized options for Google voice typing.

1. From the Samsung keyboard, tap Voice input.
2. Tap Settings for options.

- **Languages**: Choose the language for the keyboard.
- **Offline speech recognition**: Download languages for offline Google voice typing.
- **Hide offensive words**: Hide potentially offensive words with asterisks.
Apps

Using apps

Samsung apps

Google apps
Using apps

The Apps list displays all preloaded and downloaded apps. Apps can be downloaded from Galaxy Apps 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 Finder 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 > Finder 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.
   - **Enter folder name**: Name the folder.
   - **Palette**: Change the folder color.
   - **Add apps**: Place more apps in the folder. Tap apps to select them, and then tap Add.
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.

Samsung apps

The following apps are either preloaded or downloaded over-the-air to your device during setup.

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.
Galaxy Apps

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

- From Apps, tap Samsung folder > Galaxy Apps.

Samsung Flow

Connect your phone and tablet with Samsung Flow. You can then view notifications and reply to messages from your phone on your connected tablet. You can also use Mobile hotspot to access the Internet on your tablet through your phone’s network connection when other networks are not available.

For more information, visit samsung.com/us/support/owners/app/samsung-flow.

- From Apps, tap Samsung folder > Samsung Flow.
Use Samsung Notes to create notes containing text, images with footnotes, voice recordings, and music. You can share your notes easily using social networking services.

Visit samsung.com/us/support/owners/app/samsung-notes to learn more.

- From Apps, tap Samsung Notes > Create.
Edit notes

Make edits to notes you create.

1. From Samsung Notes, tap a note to view it.
2. Tap Edit, and make changes. When you are finished, tap Save.

Notes options

You can edit, share, or manage notes.

○ From Samsung Notes, tap More options for the following options:
  • Edit: Select notes to share, delete, or move.
  • Sort by: Change the way notes are organized.
  • View by: Switch between Grid, List, or Simple list.

Notes menu

You can view your notes by category.

○ From Samsung Notes, tap Menu for the following options:
  • All notes: View all notes.
  • Frequently used: Quick access to commonly used notes.
  • Trash: View deleted notes.
  • Categories: View notes by category.
  • Settings: View settings for the Samsung Notes app.
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.

- From Apps, tap Samsung folder > SmartThings, and sign in with your Samsung account.

💡 NOTE Non-Samsung connected device errors or defects are not covered by the Samsung warranty; contact the non-Samsung device manufacturer for support.
The Calculator app features both basic and scientific math functions, as well as a unit converter.

- From Apps, tap Calculator.
The Calendar app can be connected to your various online accounts to consolidate all your calendars in one place.

- From Apps, tap **Calendar**.

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

Add your accounts to the Calendar app.

1. From 📅 Calendar, tap ⬛️ Menu.
2. Tap 🌐 Settings > Add new 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.

Create an event

Use your Calendar to create events.

1. From 📅 Calendar, tap + Add 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.
You can capture high-quality pictures and videos using the Camera app.

- From Apps, tap Camera.
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 light bulb 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.

Record videos

Record high-quality videos using your device.

1. From 📷 Camera, swipe right or left to change the shooting mode to Video.
2. Tap 📷 Capture 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.

Change shooting modes

The Camera is equipped with a variety of shooting modes to capture pictures and videos in specific scenarios.

○ From 📷 Camera, the shooting modes are located in a row near the bottom of the screen.
  • To change the shooting mode, swipe the screen right or left.
  • To view the entire list of shooting modes and each mode’s description, touch and hold a shooting mode.
Configure shooting mode

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

- From (Camera, swipe to the right or left to see the available shooting modes. To view and reorganize all available shooting modes, touch and hold a shooting mode.
  - **Panorama**: Create a linear image by taking pictures in either a horizontal or vertical direction.
  - **Pro**: Manually adjust the ISO sensitivity, exposure value, white balance, and color tone while taking pictures.
  - **Live focus**: Take artistic pictures by adjusting the depth of field.
  - **Photo**: Allow the camera to determine the ideal mode for the picture.
  - **Video**: Allow the camera to determine the ideal mode for the video.
  - **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.

Camera settings

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

- From (Camera, tap  for the following options:
  
  Intelligent features
  - **Scene optimizer**: Automatically adjust the color settings of your pictures to match the subject matter.
  
  Pictures
  - **Hold shutter button to**: Choose whether to take a picture, take a burst shot, or create a GIF when holding the shutter button down.
  - **Save options**: Choose picture format and whether to flip your selfies.
Videos

- **Rear video size**: Select a resolution. Selecting a higher resolution for higher quality requires more memory.
- **Front video size**: Select a resolution. Selecting a higher resolution for higher quality requires more memory.
- **High efficiency video**: Record videos in HEVC format to save space.

Useful features

- **HDR (rich tone)**: Enables the light sensitivity and color depth features of the device to produce a brighter and richer picture.
- **Grid lines**: Display viewfinder grid lines to help compose a picture or video.
- **Location tags**: Attach a GPS location tag to the picture.
- **Camera modes**: Set the default camera mode. You can also reorder or hide your shooting modes.
- **Shooting methods**:
  - **Press Volume key to**: Use the Volume key to take pictures, record video, zoom, or control system volume.
  - **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.
- **Storage location**: Select a memory location.
  - A memory card (not included) must be installed to view Storage location.
- **Reset settings**: Reset the camera settings.
- **About Camera**: View app and software information.
The Clock app offers features for keeping track of time and setting alarms.

- From Apps, tap Clock, and tap a tab to use a feature.
**Alarm**

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

1. From 🕒 Clock, tap ➕ Add alarm.
2. Tap the following items to configure an alarm:
   - **Time**: Set a time for the alarm.
   - **Day**: Choose the day 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.
   - **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.
World clock

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

1. From 🕒 Clock, tap World clock.
2. Tap ➡️ Add city > Search for city, and enter the name of the city.
3. Tap the city name in the list, and then tap Add.
   • To remove a city, touch and hold it, and tap 🗑️ Delete.
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.

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.
   - To save a preset timer, tap Add preset timer.
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.

○ From Apps, tap Contacts > + Create contact.

Add contact’s photo
You can take a new photo or select one from the Gallery

Choose where to store the contact

Add, delete, and expand additional fields

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

**Call or message a contact**

You can quickly call or message a contact using their default phone number.

1. From 📞 Contacts, tap a contact.
2. Tap Call or Message.

**Direct share**

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 > Direct share, and tap 📣 to enable the feature.

**Favorites**

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

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

**Share a contact**

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

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

Groups
You can use groups to organize your contacts.

Create a group
Create your own contact groups.

1. From Contacts, tap Menu > Groups.
2. Tap Create group, and then tap fields to enter information about the group:
   • Group name: Enter a name for the new group.
   • Add member: Select contacts to add to the new group, and then tap Done.
3. Tap Save.

Add or remove group contacts
Add more contacts to a group, or remove contacts.

○ From Contacts, tap Menu > Groups, and then tap a group.
   • To remove a contact, touch and hold a contact to select it, and then tap Delete.
   • To add a contact, tap More options > Edit group > 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.

1. From Contacts, tap Menu > Groups, and then tap a group.
2. Tap More options > Send message.
Send an email to a group

Send an email to members of a group.

1. From 📞Contacts, tap Menu > 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 Menu > Groups, and then tap a group.
2. Tap More options > Delete group.
   • 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.

Import contacts

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

1. From 📞Contacts, tap Menu > Manage contacts.
2. Tap Import/Export contacts.
3. Tap Import and follow the prompts.
Export contacts
Manually back up contacts to an installed memory card (not included).

1. From Contacts tap Menu > Manage contacts.
2. Tap Import/Export contacts.
3. Tap Export and follow the prompts.

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

1. From Contacts, tap the contact to select it.
2. Tap More options > Link to another contact.
3. Tap contacts to choose them.
4. Tap Link.

To unlink contacts:

1. From Contacts, tap the contact to select it.
2. Tap More options > Add/remove linked contacts.
3. Tap Unlink beside contacts to unlink them from the main contact.

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.
View and manage multiple email accounts in one app. To add an email account, see Add an email account on page 8.

- From Apps, tap Samsung folder > Email.

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

Compose and send email messages from your device.

1. From 📧 Email, tap 📧 Compose new email.
   • Different email account may have additional steps and options.
2. Tap the To field to add an email address or tap 📘 Add from Contacts to select a recipient from your contacts.
   • When adding multiple recipients, separate them with a semicolon (;). More recipients can be added at any time before the message is sent.
   • If adding a recipient from your Contacts, tap the contact to place a checkmark, and then tap Done. The contact is displayed in the recipients field.
   • Tap ✔️ Show additional fields to add Cc and Bcc fields.
3. Tap the Subject and Message fields to enter text.
   • Tap 📦 Attach to add files, images, audio, and more to your email.
   • Tap More options for additional email options.
4. Review your message and tap ✔️ Send.

Manage the inbox

Organize and search your inbox.

- From 📧 Email:
  • Tap a message to read and reply or forward it.
  • Tap 🔍 to search for key words in your email inbox.
  • Tap More options > Edit for additional message options.
  • Tap More options > Sort to customize how messages display.
View multiple email accounts
You can view email you receive for multiple accounts, or you can view email accounts individually.

○ From Email, tap for the following options:
  • [Account name]: View email for only one email account.
  • All accounts: View all email in a combined inbox.

💡 TIP Accounts may also support calendars, contacts, and other features.

Email settings
Modify settings associated with using the Email app.

○ From Email, tap > Settings.
  • Under General, tap an option, and then follow the prompts.
  • Tap an account to configure specific settings for only that account.

Remove email accounts
Should you need to remove an email account from your device, you can do so through the Settings menu.

1. From Email, tap > Settings.
2. Tap the account you want to remove.
3. Tap Remove, and confirm when prompted.
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.
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 mark the picture as a favorite, tap ♥ Favorite. The picture is added to Favorites under the Albums tab.
   • To use Bixby Vision on the current picture, tap 🕵️ Bixby Vision. For more information, see Bixby on page 23.
   • To access the following features, tap ☰ More options:
     – Details: View and edit information about the picture.
     – Set as wallpaper: Set the picture as wallpaper.
     – Move to Secure Folder: Move the picture to a Secure Folder.
     – Print: Send the picture to a connected printer.

Edit pictures

Enhance your pictures using the Gallery's editing tools.

1. From 🌟 Gallery, tap Pictures.

2. Tap a picture to 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.
   • 🎨 Effects: Add color effects.
   • 🌟 Stickers: Overlay illustrated or animated stickers.
   • 📜 Text: Add text to the picture.
   • 🖋 Draw: Add handwritten text or hand drawn content.
   • ☀️ Brightness: Adjust brightness image controls.
**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 ❤️ Favorite. 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.
     - **Move to Secure Folder:** Add this video to your Secure Folder.
3. Tap ➤ Play video to play the video.

**Edit video**

Edit videos stored on your device.

1. From ✽ Gallery, tap Pictures.
2. Tap a video to view it.
3. Tap ✎ Edit to cut segments of 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 > Share, and then tap pictures and videos to select them.
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, or tap the All checkbox at the top of the screen to select all pictures and videos.
3. Tap Delete, and confirm when prompted.

Take a screenshot
When you capture an image of your screen, your device will automatically create a Screenshots album in the Gallery app.

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

Enable Smart capture
When taking a screen shot, capture an image of any scrollable areas of the screen that are currently hidden, as well as the area that is visible, and crop and share the screenshot immediately.

1. From Settings, tap Advanced features > Smart capture.
2. Tap to enable this feature.

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.
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.

- From Apps, tap Samsung folder > Internet.

![Internet browser interface with Google search bar and icons for Add to bookmarks, Quick menu, and Refresh webpage.]


Devices and software are constantly evolving — the illustrations you see here are for reference only.
Browser tabs
Use tabs to view multiple web pages at the same time.

- From 🌐 Internet, tap 📖 New tab.
  - To close a tab, tap ✗ Close tab.

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

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

- From 🌐 Internet, tap 📖 > Add page to > Saved pages.

💡 NOTE To view saved web pages, tap 📖 > Saved pages.

View history
To view a list of recently visited web pages:

- From 🌐 Internet, tap 📖 > 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 📖 > 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 ⬤ ⬤ ⬤ > Turn on Secret mode.
2. Tap Set password to protect your Secret mode data with a password.

To turn off Secret mode:

○ From 🌐Internet, tap ⬤ ⬤ ⬤ > Turn off Secret mode.

**Internet settings**

Modify settings associated with using the Internet app.

○ From 🌐Internet, tap ⬤ ⬤ ⬤ > Settings.
Keep in touch with your contacts by using the Messages app to share photos, send emojis, or just say a quick hello.

- From Apps, tap Messages > Compose.
Message search
To quickly locate a message, use the search feature.

1. From Messages, tap Search.
2. Enter keywords in the Search field, and then tap Search on the keyboard.

Delete conversations
You can remove your conversion history by deleting conversations.

1. From Messages, tap More options > Edit.
2. Tap each conversation you want to delete.
3. Tap Delete, and confirm when prompted.

Message settings
Configure the settings for text and multimedia messages.

○ From Messages, tap More options > Settings.
View and manage files stored on your device, including images, videos, music, and sound clips.

- From Apps, tap Samsung folder > My Files.
Apps

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

- **Recent files**: View recently accessed files.
  - This option displays if one or more files have been accessed recently.
- **Categories**: View your files based on the file type.
- **Storage**: View files saved on your device, optional SD card, and cloud accounts.
  - Cloud drives vary depending on the services you sign in to.
- **Storage analysis**: See what’s taking up space in your storage.

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

- From **My Files**, the following options are available:
  - **Search**: Search for a file or folder.
  - **More options**:
    - **Clear recent files**: Remove the list of recently accessed files. This option is only available after a file has been opened through My Files.
    - **Storage analysis**: See what’s taking up space in your storage.
    - **Settings**: View settings for the app.
The Phone app does more than just make telephone calls. Explore the advanced calling features. See your carrier for more information.

- From a Home screen, tap 📞 Phone.
Calls

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

Make a call

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

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

Enable swipe to call

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

1. From Settings, tap Advanced features > Motions and gestures > Swipe to call or send messages.
2. Tap to enable this feature.

Make a call from Recents

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

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

Make a call from Contacts

Call a contact from the Contacts app.

- From Contacts, swipe your finger across a contact to the right to call the contact.

Answer a call

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

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

💡 TIP  On the incoming call pop-up screen, tap Answer to answer the call.
Decline a call
You can choose to decline an incoming call. If you are using an app, a pop-up screen is displayed for the incoming call.

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

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

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

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

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

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

- Tap Speaker to hear the caller using the speaker or tap Bluetooth to hear the caller using a Bluetooth headset.

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

To return to the call screen:
- Drag the Status bar down to display the Notification panel and tap the call.

To end a call while multitasking:
- Drag the Status bar down to display the Notification panel, and then tap End call.
Apps

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

1. From ☑ Phone, tap Keypad › More options › Speed dial numbers. The Speed dial numbers screen displays the reserved speed dial numbers.
2. Tap an unassigned number.
   • Tap ▾ Menu to select a different Speed dial number than the next one in sequence.
   • Number 1 is reserved for Voicemail.
3. Type in a name or number, or tap 🧑 Add from Contacts to assign a contact to the number.
   • The selected contact is displayed in the Speed dial number box.

Make a call with Speed dial
You can make a call using Speed dial.

○ From ☑ Phone, touch and hold the Speed dial number.
  • If the Speed dial number is more than one digit long, enter the first digits, and then hold the last digit.

Remove a Speed dial number
You can remove an assigned Speed dial number.

1. From ☑ Phone, tap ☑ More options › Speed dial numbers.
2. Tap — Remove by the contact you want to remove from Speed dial.

Google apps
Enjoy these apps from Google.

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

Visit support.google.com/chrome to learn more.
Drive
Open, view, rename, and share files saved to your Google Drive™ cloud account.
Visit support.google.com/drive to learn more.

Duo
Make one-to-one video calls.
Visit support.google.com/duo to learn more.

Gmail
Send and receive email with Google’s web-based email service.
Visit support.google.com/mail to learn more.

Google
Find online content with tools that learn what interests you. Turn on your personalized feed to receive customized content.
Visit support.google.com/websearch to learn more.

Maps
Get directions and other location-based information. You must enable location services to use Google Maps. For more information, see Location on page 105.
Visit support.google.com/maps to learn more.

Photos
Store and back up your photos and videos automatically to your Google Account with Google Photos™.
Visit support.google.com/photos to learn more.
Play Movies & TV
Watch movies and TV shows purchased from Google Play. You can also view videos saved on your device.
Visit play.google.com/store/movies to learn more.

Play Music
Play music and audio files on your device.
Visit support.google.com/music to learn more.

Play Store
Find new apps, movies and TV shows, music, books, magazines, and games in the Google Play™ store.
Visit support.google.com/play to learn more.

YouTube
Watch and upload YouTube™ videos right from your device.
Visit support.google.com/youtube to learn more.
Settings

Access Settings

Connections

Sound

Notifications

Display

Device maintenance

Lock screen and security

Accounts

Accessibility

Other settings
Access Settings

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

• Drag down the Status bar, and then tap ☰ Settings.
• From Apps, tap ☰ Settings.

Search for Settings

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

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

Connections

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

Wi-Fi

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

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

Manually connect to a Wi-Fi network

If the Wi-Fi network you want is not listed after a scan, you can still connect to it by entering the information manually.

Ask the Wi-Fi network administrator for the name and password before you begin.

1. From Settings, tap ☰ Connections > Wi-Fi, and then tap ☑️ to turn on Wi-Fi.
2. Tap + Add network at the bottom of the list.
3. Enter information about the Wi-Fi network:
   - **Network name**: Type the exact name of the network.
   - **Security**: Select a security option from the list, and enter the password if required.
   - **Auto reconnect**: Choose this option if you want to automatically reconnect to this network whenever you are in range.
   - **Advanced**: Add any advanced options, such as IP and Proxy settings.

4. Tap Save.

**Advanced Wi-Fi settings**

You can configure connections to various types of Wi-Fi networks and hotspots, manage saved networks and look up your device’s network addresses.

1. From Settings, tap 📱 Connections > Wi-Fi, and then tap ⬜️ to turn on Wi-Fi.
2. Tap Advanced.
   - **Manage networks**: View saved Wi-Fi networks and configure whether to auto reconnect to or forget individual networks.
   - **Wi-Fi control history**: View apps that have recently turned your Wi-Fi on or off.
   - **Hotspot 2.0**: Connect automatically to Wi-Fi networks that support Hotspot 2.0.
   - **Install network certificates**: Install authentication certificates.
   - **MAC address**: View your device’s MAC address, which is required when connecting to some secured networks (not configurable).
   - **IP address**: View your device’s IP address (not configurable).
**Wi-Fi Direct**

Wi-Fi Direct uses Wi-Fi to share data between devices.

1. From Settings, tap 📱 Connections > Wi-Fi, and then tap ☑️ to turn on Wi-Fi.
2. Tap Wi-Fi Direct.
3. Tap a device, and then follow the prompts to connect.

💡 TIP When sharing a file, tap 📱 Wi-Fi Direct to use this feature.

**Disconnect from Wi-Fi Direct**

Disconnect your device from a Wi-Fi Direct device.

- From Settings, tap 📱 Connections > Wi-Fi > Wi-Fi Direct. Tap a device to disconnect it.

**Bluetooth**

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

1. From Settings, tap 📱 Connections > Bluetooth, and then tap ☑️ to turn on Bluetooth.
2. Tap a device and follow the prompts to connect.

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

**Rename a paired device**

You can rename a paired device to make it easier to recognize.

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

When you unpair from a Bluetooth device, the two devices no longer recognize each other.

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

💡 TIP You will need to pair with the device again in order to connect to it.

Advanced options

Additional Bluetooth features are available in the Advanced menu.

1. From Settings, tap Settings > Connections > Bluetooth.
2. Tap Advanced for the following options:
   - Media volume sync: Sync the volume level set on the connected Bluetooth devices to your device.
   - Bluetooth control history: View apps that have used Bluetooth recently.

Tablet visibility

Turn on visibility to allow other Bluetooth devices to find your device.

⊙ From Settings, tap Settings > Connections > Tablet visibility, and then tap to make your device visible.

Airplane mode

Airplane mode disconnects your device from all networks and turns off connectivity features.

1. From Settings, tap Connections > Airplane mode.
2. Tap to enable this feature.
Data usage
Check your current mobile and Wi-Fi data usage. You can also customize warnings and limits.

From Settings, tap Connections > Data usage.

Monitor Wi-Fi data
You can restrict Wi-Fi data access by customizing usage limits and networks.

1. From Settings, tap Connections > Data usage.
2. Tap Wi-Fi data usage to view data usage over Wi-Fi connections over a period of time. You can view total usage as well as usage by app.

Call and message continuity
You can make and answer calls and text from other devices that are signed in to your Samsung account.

1. From Settings, tap Connections > Call and message continuity.
2. Tap to turn on the feature.

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

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

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

1. From Settings, tap Connections > More connection settings > Printing.
2. Tap Download plugin and follow the prompts to add a print service.
3. Tap the print service, and then tap More options > Add printer.

☀️ TIP Make sure the app you want to print from supports printing.

Virtual Private Networks

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

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

☀️ TIP A secured screen lock is required to set up a VPN.

Manage a VPN

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

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

Connect to a VPN

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

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

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

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

Ethernet

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

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

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

Sound

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

Sound mode

You can change the sound mode on your device without using the volume keys.

円 From Settings, tap Sound > Sound mode, and then choose a mode:

- Sound: Use the sounds, vibrations, and volume levels you have chosen in Sound settings for notifications and alerts.
- Vibrate: Use vibration only for notifications and alerts.
- Mute: Set your device to make no sounds.
  - Temporary mute: Set a time limit for muting the device.

💡 TIP Use the sound mode setting instead of the volume keys to change the sound mode without losing your customized sound levels.
Easy mute

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

- From Settings, tap ☰ Advanced features > Motions and gestures > Easy mute, and tap ☑ to enable.

Notification sounds

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

- From Settings, tap 🎧 Sound > Notification sounds and tap a sound to choose it.

Volume

Set the volume level for notifications and other audio.

- From Settings, tap 🎧 Sound > Volume, and drag the sliders.

💡 TIP  You can also use the Volume key to adjust the volume. Slide the volume controls to customize all volume options.

Use Volume keys for media

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

1. From Settings, tap 🎧 Sound.
2. Tap Use Volume keys for media to enable this feature.

System sounds

Customize your device’s sounds and vibrations for actions like tapping the screen and charging the device.

- From Settings, tap 🎧 Sound > System sounds for the following options:
  - Touch sound: Play tones when you touch or tap the screen to make selections.
  - Screen lock sound: Play a sound when you unlock the screen.
  - Charging sound: Play a sound when a charger is connected.
  - Keyboard sound: Play a sound when typing with the Samsung keyboard.
Dolby Atmos

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

1. From Settings, tap \(\text{Sound} \to \text{Advanced sound settings} \to \text{Sound quality and effects}.\)
2. Tap Dolby Atmos to experience breakthrough audio that flows above and around you.

Equalizer

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

1. From Settings, tap \(\text{Sound} \to \text{Advanced sound settings} \to \text{Sound quality and effects}.\)
2. Tap Equalizer to choose a music genre.

Headset audio options

Enhance the sound resolution of music and videos for a clearer listening experience. These features are only available with a headset connected.

- From Settings, tap \(\text{Sound} \to \text{Advanced sound settings} \to \text{Sound quality and effects},\) and tap an option to turn it on:
  - UHQ upscaler: Sharpens audio resolution for crisp sound.

Adapt sound

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

1. From Settings, tap \(\text{Sound} \to \text{Advanced sound settings} \to \text{Sound quality and effects} \to \text{Adapt sound}.\)
2. Tap the sound profile that fits you best, and tap \(\text{Settings}\) to customize.

TIP Tap \(\text{Add personalized sound profile}\) to take a hearing test and let your device identify the best sound for you.
Separate app sound

You can play media sound on a speaker or headphones separate from the rest of the sounds on your device.

1. From Settings, tap 🎧 Sound > Advanced sound settings > Separate app sound.
2. Tap ⏰ to enable Separate app sound, and then set the following options:
   • App: Choose an app to play its sound on a separate audio device.
   • Audio device: Choose the audio device that you want the app’s sound to be played on.

💡 TIP You need to connect to a Bluetooth device to make this option available in the Audio device menu.

Notifications

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

Manage notifications

You can configure notifications from apps and services.

○ From Settings, tap 📲 Notifications.
  • App icon badges: Identify which apps have active notifications with badges that appear on their icons. Tap to choose whether or not badges indicate the number of unread notifications.
  • Do not disturb: Allow notifications from this app even when Do not disturb is turned on.
  • Status bar: Modify how many notifications appear on the Status bar.
  • To block notifications from an app, tap ⏰ next to the app. Tap See all to open the complete list of apps.
**Customize app notifications**

You can change notification settings for each app.

1. From Settings, tap 📢 Notifications > See all.
2. Tap an app for the following options:
   - **Show notifications**: Receive notifications from this app.
   - **App icon badges**: Show a badge on the icon when there are notifications.
   - **Categories**: Configure notification options that are specific to this app.

**Smart pop-up view**

Receive notifications as icons that can be tapped and expanded in pop-up view.

- From Settings, tap 🌟 Advanced features > Smart pop-up view, and tap ⏳ to enable.

**Display**

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

**Screen brightness**

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

1. From Settings, tap ☀ Display.
2. Customize options under Brightness:
   - Drag the **Brightness** slider to set a custom brightness level.
   - Tap **Adaptive brightness** to automatically adjust the screen brightness based on the lighting conditions.
     - **Reset usage patterns**: Clear your brightness adjustment history. Your device begins learning your preferences again after the reset.
Blue light filter

The Blue light filter can help you sleep better if you use your device at night. You can set a schedule to automatically turn this feature on and off.

- From Settings, tap ☀ Display > Blue light filter, and then choose one of the following options:
  - Drag the Opacity slider to set the opacity of the filter.
  - Tap Turn on now to enable this feature.
  - Tap Turn on as scheduled to set a schedule for when Blue light filter should be enabled. You can choose Sunset to sunrise or Custom schedule.

Night mode

Night mode allows you to switch to a darker theme to keep your eyes more comfortable at night.

- From Settings, tap ☀ Display > Night mode for the following options:
  - Turn on now: Put your device in Night mode.
  - Turn on as scheduled: Configure Night mode for either Sunset to sunrise or Custom schedule.

Screen mode

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

1. From Settings, tap ☀ Display > Screen mode.
2. Tap an option to set a different screen mode.
Font size and style
You can change the font size and style to customize your device.

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

Screen zoom
Adjust the zoom level to increase or decrease the size of content on the screen.

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

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

- From Settings, tap ☀ Display > Screen timeout, and tap a time limit to set it.

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

1. From Settings, tap ☀ Display > Screen saver.
2. Tap to enable the feature and configure the following options:
   - Colors: Tap the selector to display a changing screen of colors.
   - Photo table: Display pictures in a photo table.
   - Photo frame: Display pictures in a photo frame.
   - Photos: Display pictures from your Google Photos account.
3. Tap Preview for a demonstration of the selected Screen saver.

TIP Tap ☀ Settings next to a feature for additional options.
Reduce animations
Decrease certain motion effects, such as when opening apps.

- From Settings, tap Advanced features > Reduce animations, and tap to enable the feature.

Double tap to wake up
Turn on the screen by double-tapping instead of using the Power button.

- From Settings, tap Advanced features > Motions and gestures > Double tap to wake up, and tap to enable.

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

- From Settings, tap Advanced features > Motions and gestures > Smart stay, and tap to enable the feature.

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

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

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

To use the quick optimization feature:

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

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

- From Settings, tap 📦 **Device care > Battery** for options:
  - **Battery usage**: View power usage by app and service.
  - **Power mode**: Select a power mode to extend battery life.
  - **Usage by apps**: View power usage by app today or over the past week.
  - **More options > Settings**: Configure advanced battery settings and notifications.

**Storage and memory card**

View the device memory and usage. You can also mount, unmount, or format an optional memory card (not included).

**Device storage**

Quickly optimize your device’s memory, increasing available memory.

- From Settings, tap 📦 **Device care > Storage > Clean now.**

**Memory card**

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

For more information, see Assemble your device on page 5.

**Mount a memory card**

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

1. From Settings, tap 📦 **Device care > Storage.**
2. Tap 📦 **More options > Storage settings.**
3. Under **Portable storage**, tap your SD card, and then tap **Mount**.
Remove a memory card
To prevent damage to information stored on the memory card, unmount the card before removing it from the device.

1. From Settings, tap Device care > Storage.
2. Tap More options > Storage settings.
3. Under Portable storage, tap your SD card, and then tap Unmount.
4. Remove your memory card from the device.

Format a memory card
When formatting an SD card, you should back up your music and photo files that are stored on the card because formatting the SD card deletes ALL stored files.

1. From Settings, tap Device care > Storage.
2. Tap More options > Storage settings.
3. Under Portable storage, tap your SD card, tap Format, and then follow the prompts.

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

1. From Settings, tap Device care > Memory.
   - The used and available memory are shown.
2. To free up as much memory as possible, tap Clean now and follow the prompts.
   - The selected apps and services in the list will be closed.

Security
Scan your device with anti-malware to keep it secure and protected from suspicious activities.

1. From Settings, tap Device care > Security.
2. Tap Activate to scan your device.
Language and input
Configure your device’s language and input settings.

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

1. From Settings, tap General management > Language and input > Language.
2. Tap + Add language, and select a language from the list.
3. Tap Set as default to change the device language.
   • To switch to another language on the list, drag Move next to the desired language to the top of the list, and then tap Apply.

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

1. From Settings, tap General management > Language and input.
2. Tap Default keyboard, and select a keyboard.

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

1. From Settings, tap General management > Language and input.
2. Tap On-screen keyboard > Google voice typing to customize settings.

Manage on-screen keyboards
Enable or disable on-screen keyboards.

1. From Settings, tap General management > Language and input.
2. Tap On-screen keyboard > + Manage keyboards.
3. Tap each keyboard to enable or disable.
Physical keyboards
Customize options when you have a physical keyboard connected to your device (sold separately).

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

Show keyboard button
Show a button on the Navigation bar to quickly switch between keyboards.

1. From Settings, tap General management > Language and input.
2. Tap Show keyboard button to enable this feature.

Autofill service
Save time entering information using autofill services.

1. From Settings, tap General Management > Language and input.
2. Tap Autofill service and select your preferred service.

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

- From Settings, tap General management > Language and input > Text-to-speech for options:
  - Preferred engine: Choose either the Samsung or Google Text-to-speech engine. Tap Settings for options.
  - Language: Set the default speech language.
  - Speech rate: Set the speed at which the text is spoken.
  - Pitch: Set the pitch of the speech.
• **Play**: Tap to play a short demonstration of speech synthesis.
• **Reset**: Reset the speech rate and pitch.

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

1. From Settings, tap **General management > Language and input**.
2. Under **Pointer speed**, drag the slider to the right to go faster or to the left to go slower.

**Primary mouse button**
You can define which mouse button that you favor as primary.

1. From Settings, tap **General management > Language and input**.
2. Tap **Primary mouse button**, and choose either **Left** or **Right**.

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

○ From Settings, tap **General management > Date and time**. The following options are available:
  • **Automatic date and time**: Receive date and time updates from your wireless network. When Automatic date and time is disabled, the following options are available:
    – **Select time zone**: Choose a new time zone.
    – **Set date**: Enter the current date.
    – **Set time**: Enter the current time.
  • **Use 24-hour format**: Set the format for displaying time.
Troubleshooting

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

Software update

Check for and install available software updates for your device.

- From Settings, tap Software update for the following options:
  - Download and install: Check for software updates and install if any are available.
  - Auto download over Wi-Fi: Automatically download software updates when the device is connected to a Wi-Fi network.
  - Last update: View information about the installation of the current software.

Reset

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

Reset settings

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

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

Reset network settings

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

1. From Settings, tap General management > Reset > Reset network settings.
2. Tap Reset settings, and confirm when prompted.
Reset accessibility settings
You can reset device accessibility settings. Accessibility settings in downloaded apps and your personal data are not affected.

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

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

1. From Settings, tap General management > Reset > Auto restart.
2. Tap ☑️ to activate Auto restart, and then set the following parameters:
   - Day: Select the day of the week to automatically restart your device.
   - Time: Set the time of day to restart your device.

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

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

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

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

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

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

To reset your device:

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

Factory reset protection

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

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

⚠️ CAUTION  Before sending your device to Samsung or taking it to a Samsung-authorized service center, remove your Google Account and then perform a factory data reset. For more information, visit samsung.com/us/support/frp.

Enable factory reset protection

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

Disable factory reset protection

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

1. From Settings, tap Accounts and backup > Accounts > [Google Account].
2. Tap Remove account.
Lock screen and security

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

Screen lock types

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

NOTE Biometric locks are also available to protect access to your device and sensitive data on your device. For more information, see Flexible security on page 25.

Set a secure screen lock

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

1. From Settings, tap Lock screen > Screen lock type and tap a secure screen lock (Pattern, PIN, or Password).
2. Tap to enable showing notifications on the lock screen. The following options are available:
   • View style: Display notification details or hide them and show only an icon.
   • Hide content: Do not show notifications in the notification panel.
3. Tap Done when finished.
4. Configure the following screen lock options:
   • Smart Lock: Unlock your device automatically when trusted locations or other devices have been detected. A secure screen lock is required for this feature.
   • Secure lock settings: Customize your secure lock settings. A secure screen lock is required for this feature.
Clock and information

You can configure features that appear on the Lock screen, like the clock and other useful information.

From Settings, tap Lock screen for the following options:

- **Clock style**: Set the type and color of the clock on the Lock screen.
- **FaceWidgets**: Enable widgets on the Lock screen to get quick access to useful information.
- **Contact information**: Show your contact information, such as your phone number or email address.
- **Notifications**: Select which notifications to display on the Lock screen.
- **App shortcuts**: Select which apps to open from the Lock screen.
- **About Lock screen**: Update the Lock screen’s software.

Google Play Protect

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

1. From Settings, tap Biometrics and security > Google Play Protect.
2. Tap options to customize security features.

Find My Mobile

You can protect your device from loss or theft by allowing your device to be locked, tracked online, and for your data to be deleted remotely. For more information, visit samsung.com/us/support/owners/app/find-my-mobile.

**TIP** A Samsung account is required, and Google location service must be turned on in order to use Find My Mobile.
Turn on Find My Mobile

Before you can use the Find My Mobile feature, you must turn it on and customize the options. To access your device remotely, visit findmymobile.samsung.com.

1. From Settings, tap Biometrics and security > Find My Mobile.
2. Tap Add Samsung account and follow the prompts. The following options are available:
   - Remote controls: Turn on to access your device remotely.
   - Google location service: Turn on to enable Google location service to find your device.
   - Remote unlock: Allow Samsung to store your PIN, pattern, or password, allowing you to unlock and control your device remotely.
   - Send last location: Allow your device to send its last location to the Find My Mobile server when the remaining battery charge falls below a certain level.

Security update

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

- From Settings, tap Biometrics and security > Security update to see the latest security update installed and check if a newer update is available.

Samsung Pass

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

Visit samsung.com/us/support/owners/app/samsung-pass to learn more.

1. From Settings, tap Biometrics and security > Samsung Pass.
2. Sign in to your Samsung account and add your biometric data.
**Install unknown apps**

You can allow installation of unknown third-party apps from selected apps or sources.

1. From Settings, tap Biometrics and security > Install unknown apps.
2. Tap an app or source, and then tap Allow from this source.

💡 **TIP** Installing unknown third-party apps could make your device and personal data more vulnerable to security risks.

**Secure Folder**

You can create a secure folder on your device to protect private content and apps from anyone who may be using your device.

- From Settings, tap Biometrics and security > Secure Folder and follow the prompts to secure content on your device.

💡 **TIP** You must sign in to your Samsung account, and use secured lock on your device to set up and use Secure Folder.

**Encrypt SD card**

You can encrypt your optional memory card (not included) to protect its data. This only allows the SD card information to be accessed from your device with a password.

1. From Settings, tap Biometrics and security > Encrypt SD card.
2. Tap Encrypt SD card and follow the prompts to encrypt all data on your memory card.

💡 **NOTE** Performing a Factory data reset on your device prevents it from accessing an encrypted SD card. Before initiating a Factory data reset, make sure to decrypt the installed SD card first.
Decrypt SD card

You can decrypt an optional memory card (not included) if it was encrypted by this device. You may want to decrypt the memory card if you plan to use it with another device or before performing a Factory data reset.

1. From Settings, tap Biometrics and security > Decrypt SD card.
2. Tap Decrypt SD card and follow the prompts to decrypt all data on your memory card.

View passwords

You can have characters displayed briefly in password fields as you type them.

- From Settings, tap Biometrics and security > Other security settings > Make passwords visible to turn on the feature.

Security update service

You can set your device to automatically check for security updates.

- From Settings, tap Biometrics and security > Other security settings, and then tap Security policy updates to check for security updates.

Device administration

You can authorize security features and apps (like ) to have administrative access to your device.

1. From Settings, tap Biometrics and security > Other security settings > Device admin apps.
2. Tap an option to turn it on as a device administrator.
Credential storage

You can manage the trusted security certificates installed on your device, which verify the identity of servers for secure connections.

- From Settings, tap Biometrics and security > Other security settings for the following options:
  - **Storage type**: Select a storage location for credential contents.
  - **View security certificates**: Display certificates in your device’s ROM and other certificates you have installed.
  - **User certificates**: View user certificates that identify your device.
  - **Install from device storage**: Install a new certificate from storage.
  - **Clear credentials**: Erase credential contents from the device and reset the password.

Strong Protection

Better protect your device by encrypting it using a secure lock type.

- From Settings, tap Biometrics and security > Other security settings > Strong protection, and then tap to enable this feature.

Advanced security settings

You can use these options to configure advanced security settings to better protect your device.

- From Settings, tap Biometrics and security > Other security settings
  - **Trust agents**: Allow trusted devices to perform selected actions when connected.
    - This option is only displayed when a lock screen is turned on. For more information, see Set a secure screen lock on page 99.
  - **Pin windows**: Pin an app on your device screen, which prevents access to other features of your device.
Location

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

1. From Settings, tap Biometrics and security > Location.
2. Tap to turn on Location services.
3. Tap Improve accuracy to use other connections for determining your location:
   - **Wi-Fi scanning**: Allow apps and services to scan for Wi-Fi networks automatically, even when Wi-Fi is turned off.
   - **Bluetooth scanning**: Allow apps to scan for and connect to nearby devices automatically through Bluetooth, even when Bluetooth is turned off.

💡 TIP Some apps require location services be turned on for full functionality.

Recent location requests

View a list of apps that have requested your location.

1. From Settings, tap Biometrics and security > Location.
2. Tap to turn on Location services.
3. Tap an entry under Recent location requests to view the app’s settings.

Location services

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

1. From Settings, tap Biometrics and security > Location.
2. Tap an entry under Location services to see how your location information is used.
App permissions
Apps might access features of your device that you permit them to (like the camera, microphone, or location) when they are running in the background, not just when you are using the app. You can set your device to notify you when this happens.

1. From Settings, tap Biometrics and security > App permissions.
2. Tap a category, and tap next to the apps you want to be notified about.
   - Tap an app to select which permissions you want to be notified about.

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

1. From Settings, tap Biometrics and security > Send diagnostic data.
2. Read and accept the consent information to enable this feature.

Receive marketing information
Enable this option to receive marketing communications and information about products, services, and promotions from Samsung and its partners.

- From Settings, tap Biometrics and security > Receive marketing information, and then tap to enable this feature.
Accounts

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

Samsung Cloud

You can keep your data safe by backing up and restoring your device. You can also sync your data from multiple devices. For more information, visit samsung.com/us/support/owners/app/samsung-cloud.

1. From Settings, tap Accounts and backup > Samsung Cloud.
   - If a Samsung account has not been added, the screens explain how to create or sign in to your account.
2. Once a Samsung account is configured, you can view and manage items stored in the Samsung Cloud.

Add an account

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

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

Account settings

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

1. From Settings, tap Accounts and backup > Accounts > [Account type].
2. Tap an account to configure that account’s sync settings.
3. Tap other available options for the account type.