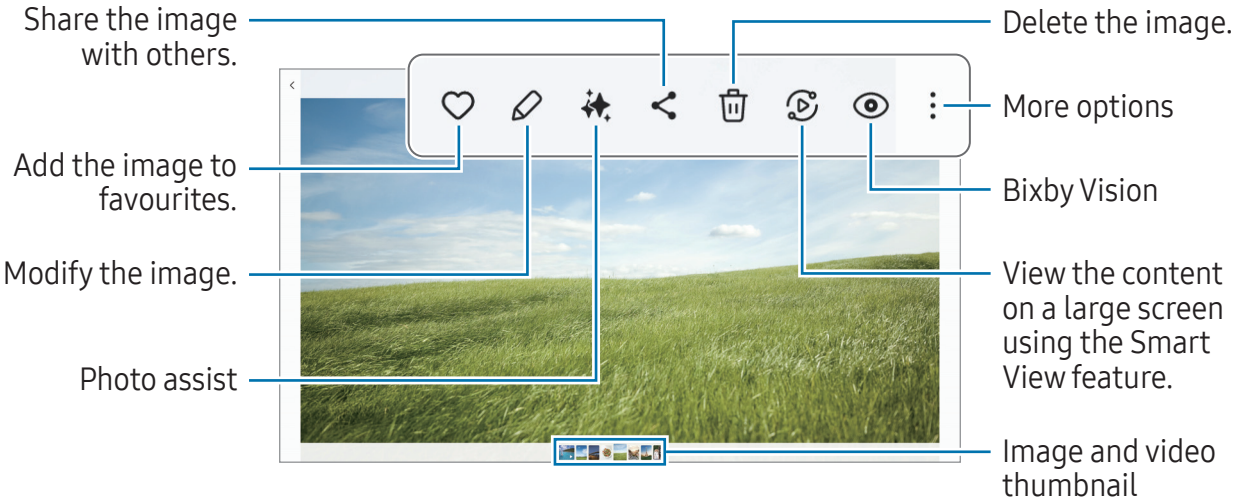
Viewing images

Open the **Gallery** app and select an image. To view other files, swipe to the left or right on the screen.



Remastering images

You can enhance the dull, blurry, and low-resolution images.

1 Open the **Gallery** app and select an image.

2 Swipe upwards on the screen and tap **Remaster**.
You can check the before and after.

3 Tap ⭳ to save the remastered image.

Extracting objects from images

Separate an object from the background and extract it. You can copy the extracted image or use it in various ways by saving it as a sticker or an image.

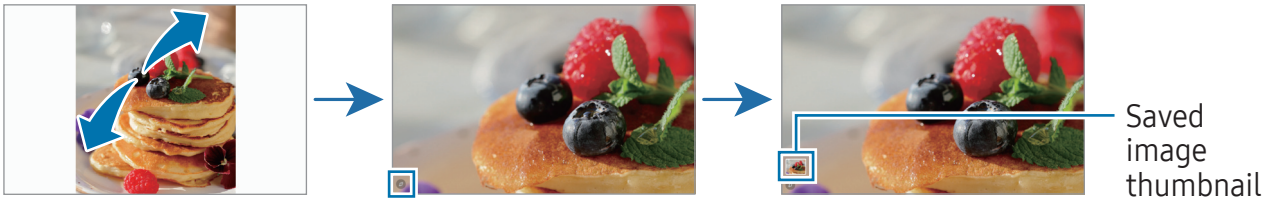
1 Open the **Gallery** app and select an image.

2 Touch and hold on the object you want extract and select an option.
When you select an image taken with the motion photo feature, the **Save as GIF** feature will appear. If you want to save the extracted image as a GIF, tap **Save as GIF**.

Cropping enlarged images

1 Open the **Gallery** app and select an image.

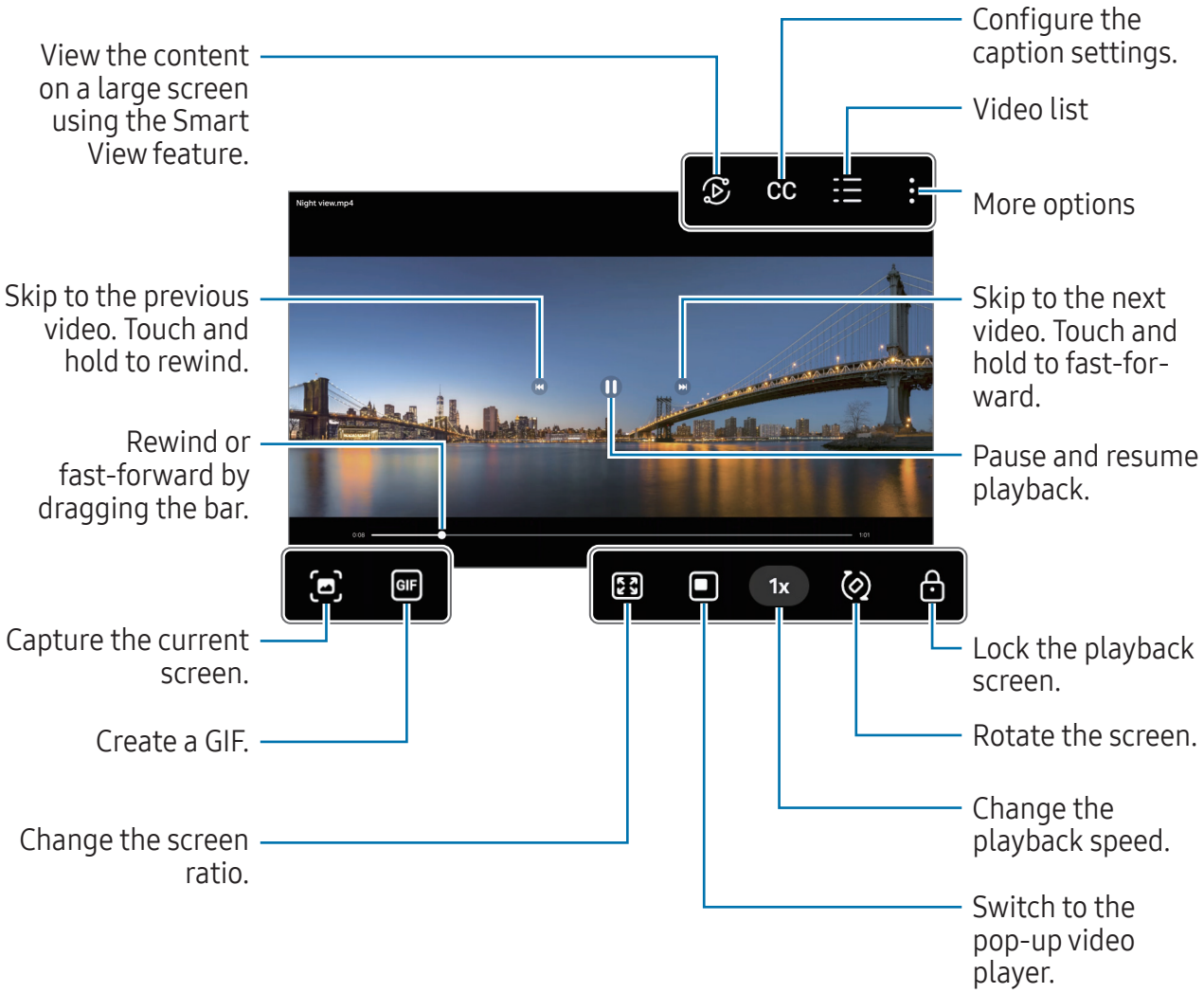
2 Spread two fingers apart on the area you want to save and tap .
The cropped area will be saved as a file.



Viewing videos

Open the **Gallery** app and select a video to play. To view other files, swipe to the left or right on the screen.

To use more options during playback, tap ⋮ → **Open in Video player**.



Drag up or down on the left side of the playback screen to adjust the brightness, or drag up or down on the right side of the playback screen to adjust the volume.

To rewind or fast-forward, swipe to the left or right on the playback screen.

Viewing brighter and clearer videos

Increase the screen brightness and make colours more vibrant when you play videos. Open **Settings** and tap **Advanced features** → **Video brightness** → **Bright**.

- This feature is only available in some apps.
- Using this feature will increase battery consumption.

Albums

Open the **Gallery** app, tap ☰ → **Albums** → +, and then select an album type.

- **Album**: Create new albums and add images and videos manually.
- **Auto-updating album**: Create albums that automatically collect images of people you select.
- **Group**: Create a group of related albums.

Stories

When you capture or save images and videos, the device will read their date and location tags, sort the images and videos, and then create stories.

Open the **Gallery** app, tap ☰ → **Stories**, and then select a story. If you tap ⋮, you can use various options, such as changing the story title.

If you tap ⋮ → **Create story** on the stories list, you can create stories manually.

Syncing images and videos

Open the **Gallery** app, tap ☁, and then follow the on-screen instructions to complete the sync. When the **Gallery** app and the cloud are synced, the icon will change to ☁.

While syncing, pictures and videos you take will also be saved in the cloud. You can access images and videos saved in the cloud in your **Gallery** app and from other devices.

When you connect your Samsung account and Microsoft account, you can set the cloud storage as Microsoft OneDrive.

Deleting images or videos

Open the **Gallery** app, touch and hold an image, a video, or a story to delete, and then tap **Delete**.

Using the recycle bin feature

Images and videos you delete will be temporarily stored in the recycle bin. The files will be deleted after a certain period.

To access files in the recycle bin, open the **Gallery** app and tap ☰ → **Recycle bin**. To restore files, tap **Edit**, select files, and then tap **Restore**.

AR Zone

Introduction

AR Zone provides you AR related features. Choose a feature and capture fun pictures or videos.

Launching AR Zone

Use the following methods to launch AR Zone:

- In the **Camera** app, tap **MORE** on the shooting modes list and tap **AR ZONE**.
- If you added the app icon to the Apps screen, open the **AR Zone** app.

Some features may not be available depending on the carrier or model.

AR Emoji Studio

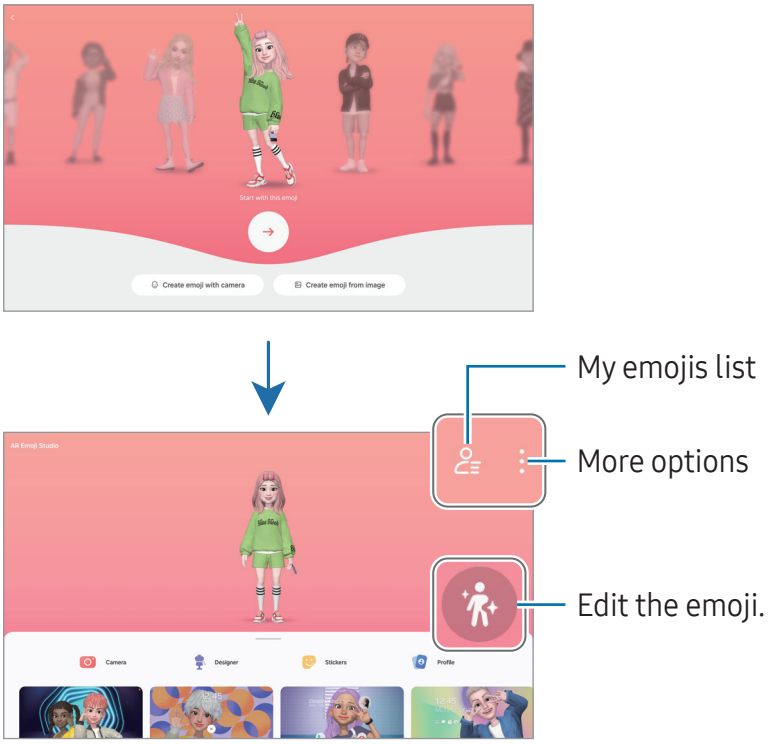
Create emojis any way you want and have fun using them in various features.

Creating an AR Emoji

1 Launch AR Zone and tap **AR Emoji Studio**.

2 You can pick a pre-made emoji. Swipe to the left or right, select an emoji, and then tap →.
If you want to make your own emoji, take a selfie or select an image.

3 Follow the on-screen instructions to create an emoji.



Selecting an AR emoji to use

On the AR Emoji Studio main screen, tap and select an emoji you want.

Deleting AR emojis

On the AR Emoji Studio main screen, tap → , tick emojis to delete, and then tap **Delete**.

Syncing AR emojis

You can get your AR emojis on all your devices when you are signed in to the same Samsung account on the devices.

On the AR Emoji Studio main screen, tap → **Settings** and tap the **Sync with Samsung Cloud** switch to turn it on.

Creating an AR emoji short video and decorating your device with it

You can create a short video with an emoji and use it as a wallpaper or call background image.

On the AR Emoji Studio main screen, select **Create video**, **Alarm background**, **Call screen**, or **Lock screen** and create a video.

You can check the saved videos in **Gallery**.

Creating a contact profile picture or card with an AR emoji

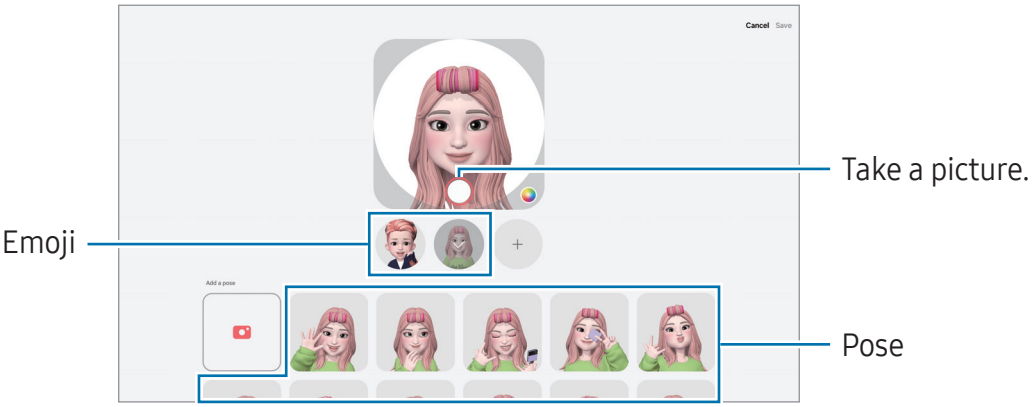
Set an emoji as your profile picture or card in the **Contacts** app. You can choose from various poses or create your own expressions.

Creating a profile picture

1 On the AR Emoji Studio main screen, tap **Profile** → **Profile picture** and select an emoji.

2 Tap ◯ to capture your expression or select a pose you want.

3 Tap **Save** → **Save**.



Creating a profile card

1 On the AR Emoji Studio main screen, tap **Profile** → **Image** and select an emoji.

To make a profile with a short AR video, tap **Video** and create a video.

2 Tap ◯ to capture your expression or select a pose you want.

3 Tap **Save**, edit the card, and then tap **Done**.

Making video calls with an AR emoji

During a video call, tap **Effects** → **Emojis** and select the emoji you want.

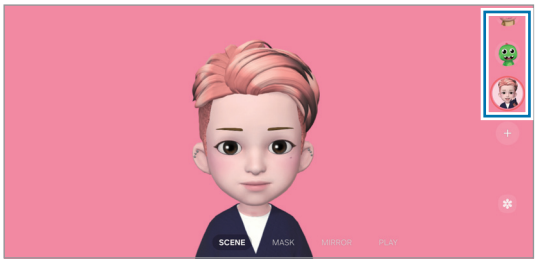
AR Emoji Camera

Create fun pictures or videos with emojis using various shooting modes.

1 Launch AR Zone and tap **AR Emoji Camera**.

2 Select the emoji and the mode you want to use. The available modes may vary depending on the emoji you select.

- **SCENE**: The emoji mimics your expressions. You can also change the background image.
- **MASK**: The emoji's face appears over your face so it looks like you are wearing a mask.
- **MIRROR**: The emoji mimics your body movements.
- **PLAY**: The emoji moves on a real background.



3 Tap the emoji icon to take a picture, or touch and hold the icon to record a video. You can check and share the pictures and videos that you have captured in **Gallery**.

AR Emoji Stickers

When you create AR emojis, stickers with emoji expressions and actions will be created automatically. You can also create your own stickers by changing the expression or background. You can use your emoji stickers when sending messages or on a social network.

Creating your own stickers

1 Launch AR Zone and tap **AR Emoji Stickers**.

2 Tap + at the top of the stickers list.

3 Edit stickers how you want and tap **Save**.
You can access the stickers you have created at the top of the stickers list.

Deleting AR emoji stickers

Launch AR Zone and tap **AR Emoji Stickers** → ⋮ → **Edit**. Select the emoji stickers to delete and tap **Delete**.

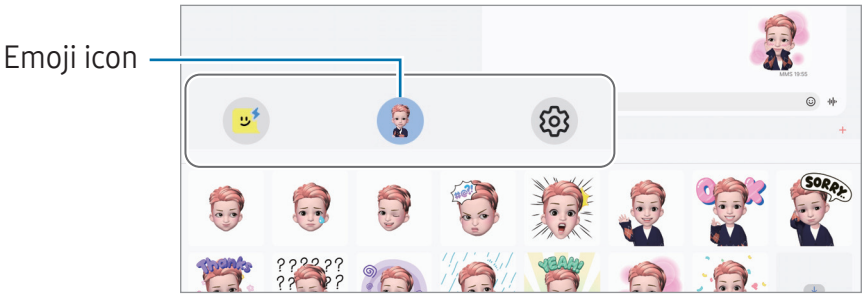
Using your AR emoji stickers in chats

You can use your emoji stickers during a conversation through messages or on a social network. The following actions are an example of using your emoji stickers in the **Messages** app.

1 While composing a message in the **Messages** app, tap ☺ on the Samsung Keyboard.

2 Tap the emoji icon.

3 Select one of your emoji stickers.
The emoji sticker will be inserted.



AR Doodle

(Record videos with the AR feature)

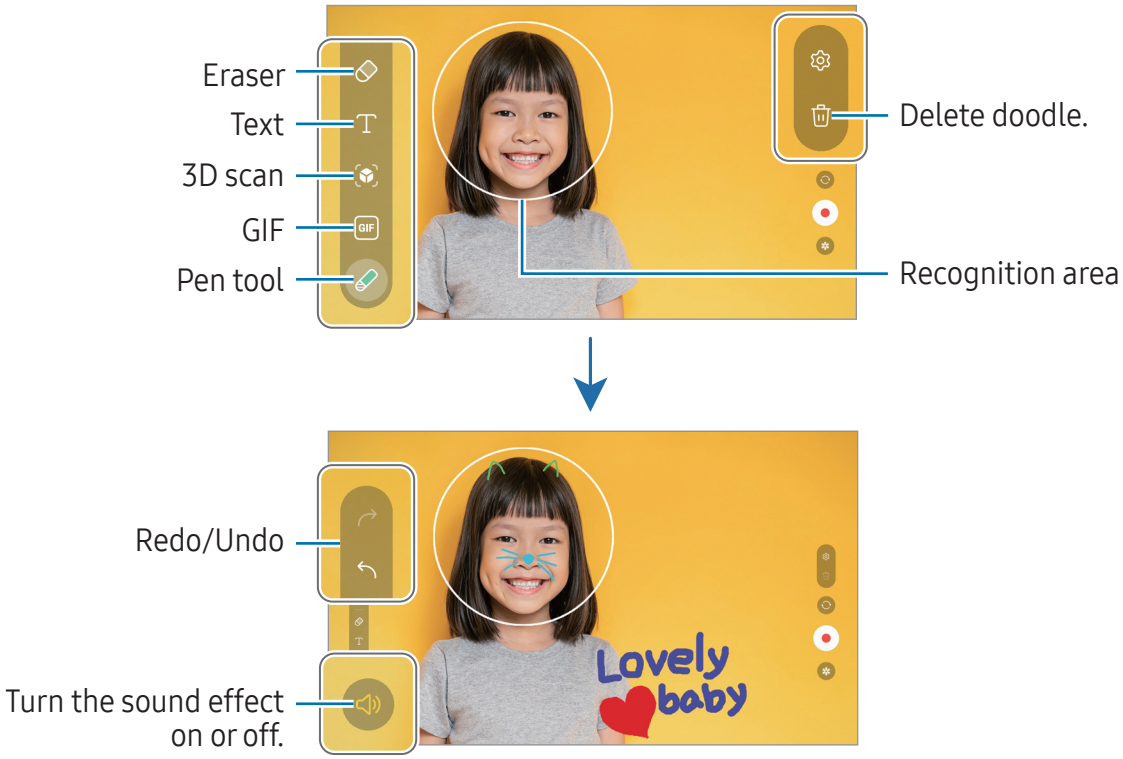
Record fun videos with virtual handwriting or drawings on faces or anywhere else. When the camera recognises a face or space, the doodles on the face will follow the face as it moves, and the doodles in the space will be fixed in the same place even if the camera moves.

1 Launch AR Zone and tap **AR Doodle**.

When the camera recognises the subject, the recognition area will appear on the screen.

2 Write or draw in the recognition area.

- If you switch to the rear camera, you can also write or draw outside the recognition area.
- If you tap ● and then begin to doodle, you can record yourself doodling.



3 Tap ● to record a video.

4 Tap ■ to stop recording the video.

You can check and share the video in **Gallery**.

The available features on the preview screen may vary depending on which camera is being used.

Bixby

Introduction

Bixby is a user interface that helps you use your device more conveniently.

You can talk to Bixby or type text. Bixby will launch a feature you request or show the information you want. Visit www.samsung.com/bixby for more information.

Bixby is only available in some languages, and it may not be available depending on the region.

Starting Bixby

Press and hold the Side button to launch Bixby. The Bixby intro page will appear. After you select the language to use with Bixby, sign in to your Samsung account, and complete the setup by following the on-screen instructions, the Bixby screen will appear.

Using Bixby

While pressing and holding the Side button, say what you want to Bixby. Alternatively, say the wake-up phrase and say what you want.

For example, while pressing and holding the Side button, say "How's the weather today?" The weather information will appear on the screen.

If you cannot find the Bixby app icon ( ) on the Apps screen, open **Settings**, tap **Advanced features** → **Bixby**, and then tap the **Show Bixby on Apps screen** switch to turn it on.

Waking up Bixby using your voice

You can start a conversation with Bixby by saying "Hi, Bixby" or "Bixby". Register your voice so that Bixby will respond to your voice.

1 Open **Settings** and tap **Advanced features** → **Bixby** → **Voice wake-up**.

2 Tap the switch to turn it on.

3 Select a wake-up phrase you want under **Wake-up phrase**.

4 Tap the **Respond to my voice** switch to turn it on.

5 Follow the on-screen instructions to complete the setup.
Now you can say the wake-up phrase and start a conversation.

Communicating by typing text

If your voice is not recognised because of noisy environments or if you are in a situation where speaking is difficult, you can communicate with Bixby through text.

Open the **Bixby** app, tap ⌨, and then type what you want.

During the communication, Bixby also will answer you through text instead of voice feedback.

Bixby Vision

Introduction

Bixby Vision is a service that provides various features based on image recognition. You can use Bixby Vision to search for information by recognising objects. Use a variety of useful Bixby Vision features.

- This feature may not be available or you might not get correct search results depending on the image size, format, or resolution.
- Samsung is not responsible for the product information provided by Bixby Vision.

Launching Bixby Vision

Launch Bixby Vision using one of these methods.

- In the **Camera** app, tap **MORE** on the shooting modes list and tap **BIXBY VISION**.
- In the **Gallery** app, select an image and tap .
- If you added the Bixby Vision app icon to the Apps screen, open the **Bixby Vision** app.

Using Bixby Vision

1 Launch Bixby Vision.

2 Select a feature you want to use.
- **TRANSLATE**: Recognise text from documents or images and translate it.
- **TEXT**: Recognise text from documents or images and extract it.
- **DISCOVER**: Search for images similar to the recognised object online and related information.

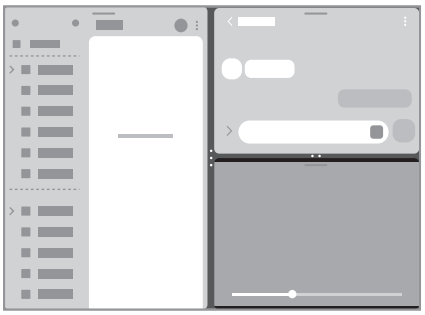
- The available features and search results may vary depending on the region or carrier.
- If some features do not appear, launch Bixby Vision, tap → **Settings**, and then tap the switches next to the features you want to turn on.

Multi window

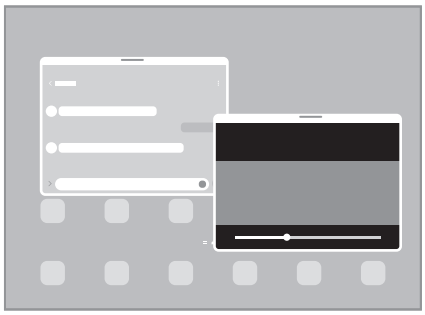
(Using multiple apps at once)

Introduction

Run up to three apps at the same time in the split screen view. You can also run multiple apps at the same time in the pop-up view.



Split screen view

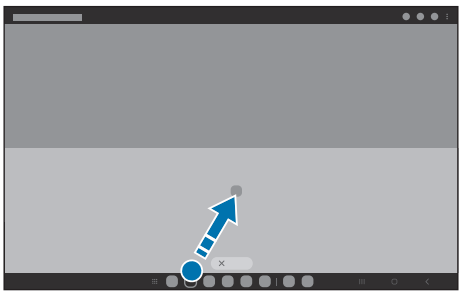


Pop-up view

Some apps may not support this feature.

Opening apps from the taskbar

While using an app, drag the app you want from the taskbar upwards and drop it wherever you want.



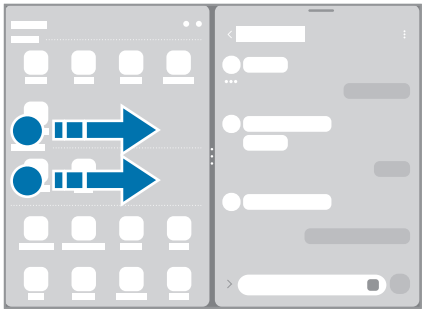
Launching Multi window by swiping the screen

You can launch Multi window by swiping the screen.

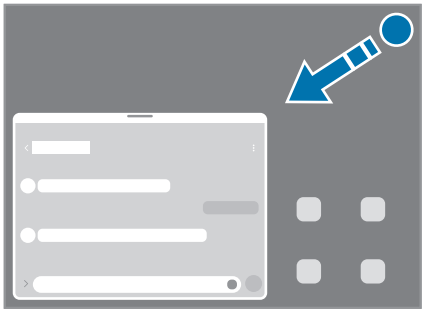
Swipe with two fingers from the side or bottom of the screen towards the middle of the screen. The screen will change to the split screen view.

To change to the pop-up view, swipe from the top corner towards the middle of the screen.

To use this feature, open **Settings**, tap **Advanced features** → **Multi window**, and then tap the **Swipe for split screen** or **Swipe for pop-up view** switch to turn it on.



Split screen view



Pop-up view

Opening apps using the Recents button

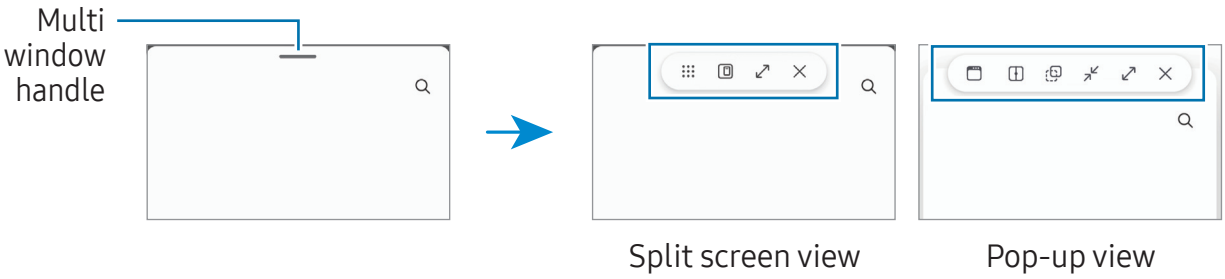
1 Tap the Recents button (|||) to open the list of recently used apps.

2 Swipe to the left or right, tap an app's icon, and then tap **Open in split screen view** or **Open in pop-up view**.

Using additional features

Using the multi window menus

When you tap the multi window handle, the available menus will appear.



Adjusting the window size

Drag the circles between the app windows to adjust the size of the windows.

When you drag the circles between the app windows to the edge of the screen, the window will be maximised.

Moving pop-up windows

To move a pop-up window, tap the multi window handle and drag it to a new location.

Saving your own split screen layout

Add frequently used apps as an app pair to open them together in the split screen view with a single tap.

1 In the split screen view, tap the circles between the app windows.

2 Tap ☆.

3 Select a location to add the app pair.
The apps you are using in the split screen view will be saved to the location you select as an app pair.

Inserting content

Drag and drop various content, such as text, links, or images, to the other app's screen.

Some apps may not support this feature.

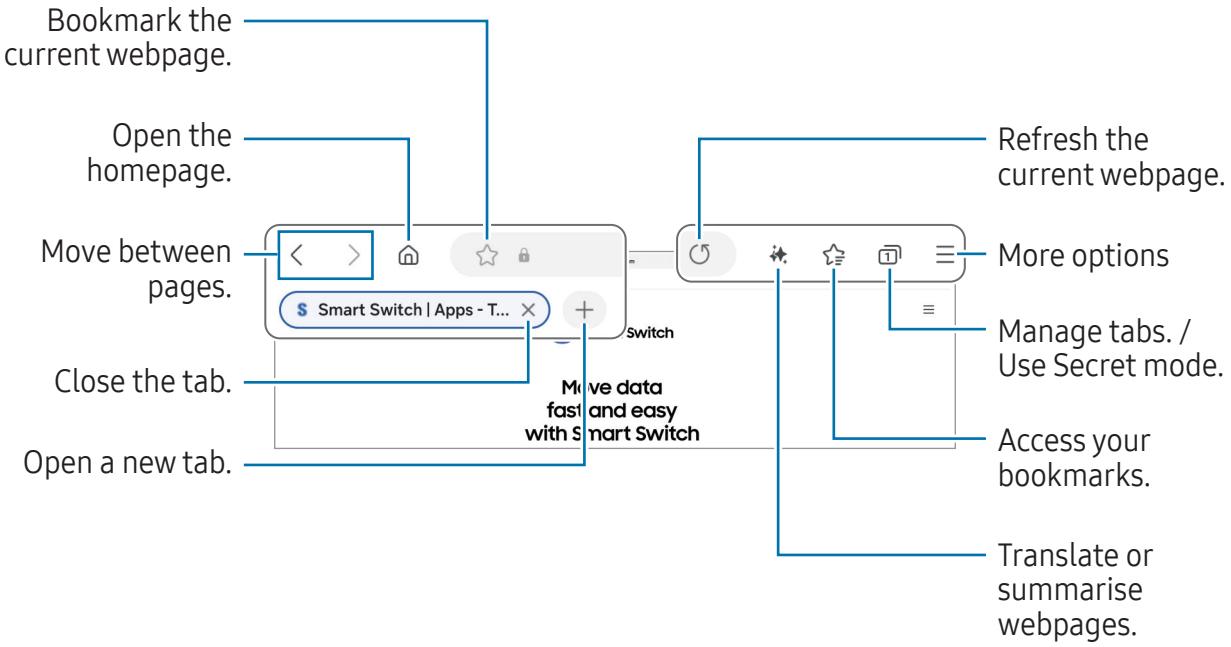
Samsung Internet

Browse the internet to search for information and bookmark your favourite webpages to access them conveniently.

1 Open the **Internet** app.

2 Enter the web address or a keyword, and then tap **Go**.

If the toolbar does not appear, swipe downwards slightly on the screen.



Using Secret mode

If you set a password for Secret mode, you can prevent others from accessing your search history, browsing history, bookmarks, and saved pages.

1 Tap → **Turn on Secret mode**.

2 Tap the **Lock Secret mode** switch to turn it on, tap **Start**, and then set a password for Secret mode.
In Secret mode, the device will change the colour of the toolbars. To turn off Secret mode, tap → **Turn off Secret mode**.

In Secret mode, you cannot use some features, such as screen capture.

Samsung Health

Introduction

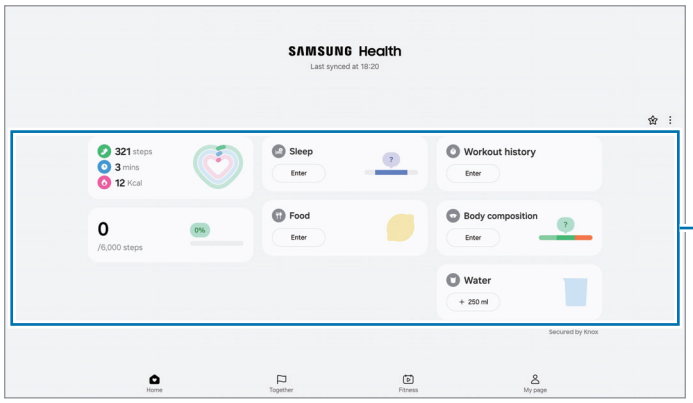
Samsung Health helps you manage your wellness and fitness. Set fitness goals, check your progress, and keep track of your overall wellness and fitness. You can also compare your step count records with other Samsung Health users and check out health tips.

Visit www.samsung.com/samsung-health for more information.

Using Samsung Health

Open the **Health** app. When running this app for the first time or restarting it after performing a data reset, follow the on-screen instructions to complete the setup.

To edit items on the Samsung Health home screen, tap ⋮ → **Edit home**.



- **Home**: Monitor your health and fitness.
- **Together**: Compare your step count records with other Samsung Health users or compete with your friends.
- **Fitness**: Check out health tips.
- **My page**: Manage your profile and check your health and fitness history.

- Some features may not be available depending on the region.
- If you use the steps card while travelling by car or train, vibration may affect your step count.

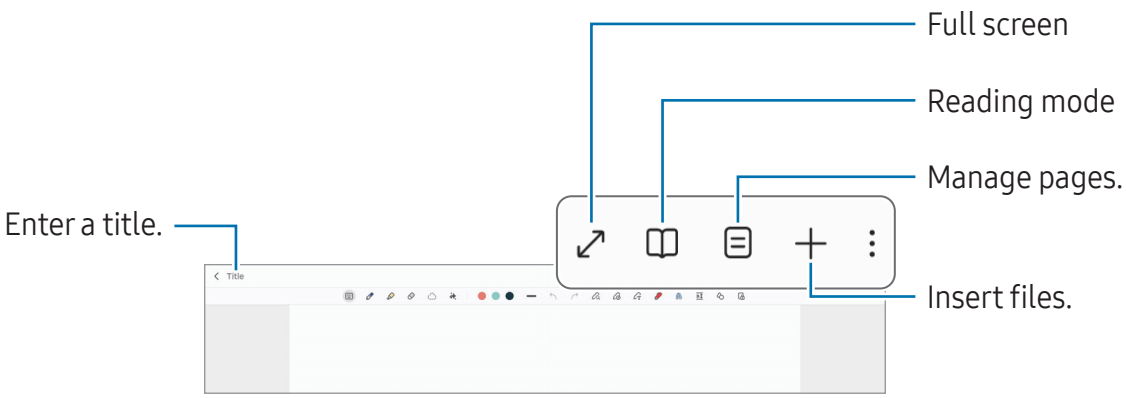
Samsung Notes

Introduction

Create notes by entering text from the keyboard or by handwriting or drawing on the screen. You can also insert images or voice recordings into your notes.

Creating notes

1 Open the **Notes** app, tap , and then create a note.



2 When you are finished composing the note, tap the Back button ( ) to save it.
If you want to save the note in another file format, tap → **Save as file**.

Deleting notes

Touch and hold a note to delete and tap **Delete**.

Syncing notes

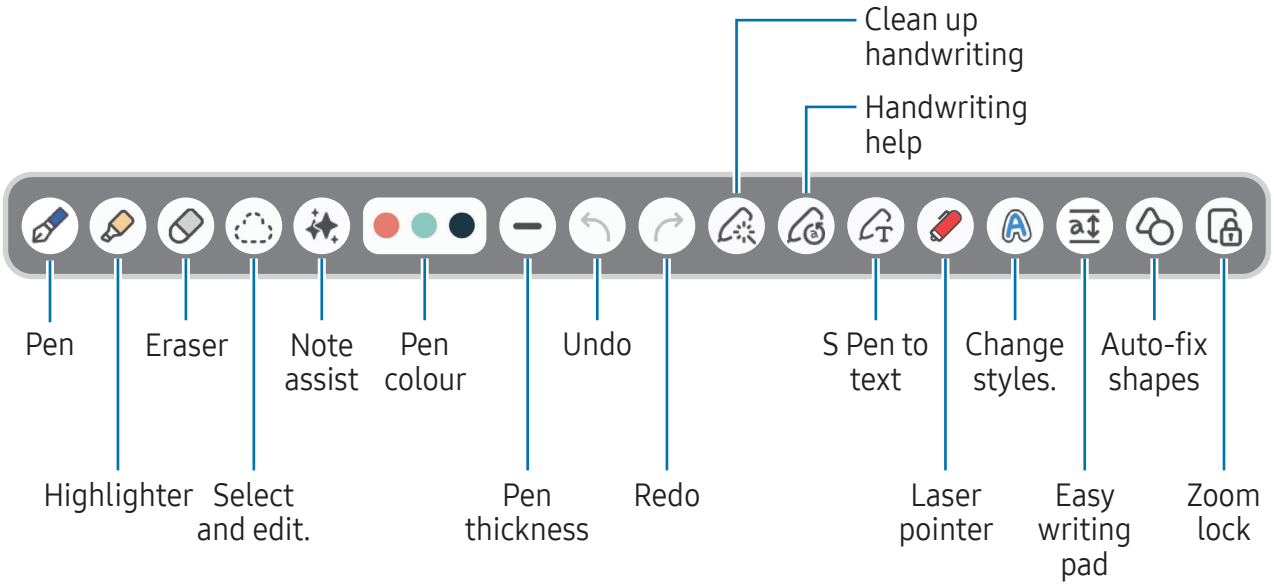
You can check and edit notes on all your devices signed in to the same Samsung account.

Open the **Notes** app, tap → , and then tap the **Sync with Samsung Cloud** switch to turn it on.

Composing notes with handwriting

On the note composer screen, draw or write in your own handwriting.

You can enter your handwriting in a larger size if you magnify the screen by spreading two fingers on it.



If finger input does not work, tap ⋮ → **Finger drawing on**.

Using favourite pens

Register frequently used pens as favourites and change them by pressing the S Pen button.

To register favourite pens, tap → → +, change the pen settings, such as the type or colour, and then tap **Done**.

On the note composer screen, press the S Pen button to change the pen. If you have registered multiple pens, press the S Pen button repeatedly to change to the desired pen.

- Pressing the S Pen button close to the screen will launch the eraser, so press the S Pen button while holding it slightly away from the screen.
- If this feature is not turn on, open **Settings**, tap **Advanced features** → **S Pen**, and then tap the **Air actions** switch to turn it on.

Using the eraser

When you want to erase handwriting from a note, tap ◇ and select an area to erase. Alternatively, select an area while pressing and holding the S Pen button.

To change the eraser type, tap ◇ once more.

- **Stroke eraser**: Erase the line you select.
- **Area eraser**: Erase only the area you select. You can adjust the size of the eraser by dragging the size adjustment bar.

Even with a smaller eraser, you may still not be able to precisely erase the intended part.

Editing handwritten notes

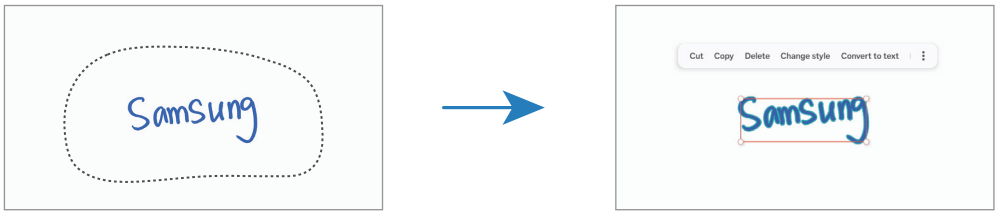
Edit handwritten notes using various editing options, such as cutting, moving, or resizing.

1 When there is handwriting on the note, tap ◌.

To change the shape of the selection, tap ◌ once more.

2 Tap or draw a line around the input to select.

- To move the input to another location, select the input, and then drag it to a new location.
- To change the size of the selection, tap the input and drag a corner of the frame that appears.



3 Edit the input using the available options.

Aligning handwriting or converting to text

To straighten your handwriting or drawings horizontally, tap → **Align handwriting**.

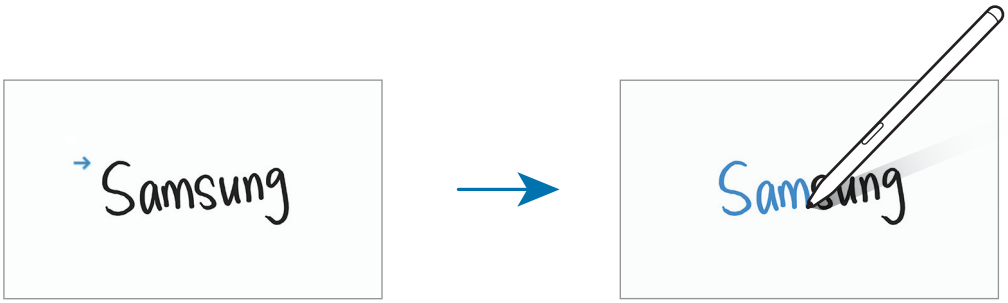
To replace your handwriting with the converted text, tap → **Convert to text**. When the preview screen appears, tap **Add to**.

If you want to replace your handwriting with text right away, tap and then write on the screen with the S Pen.

Changing styles

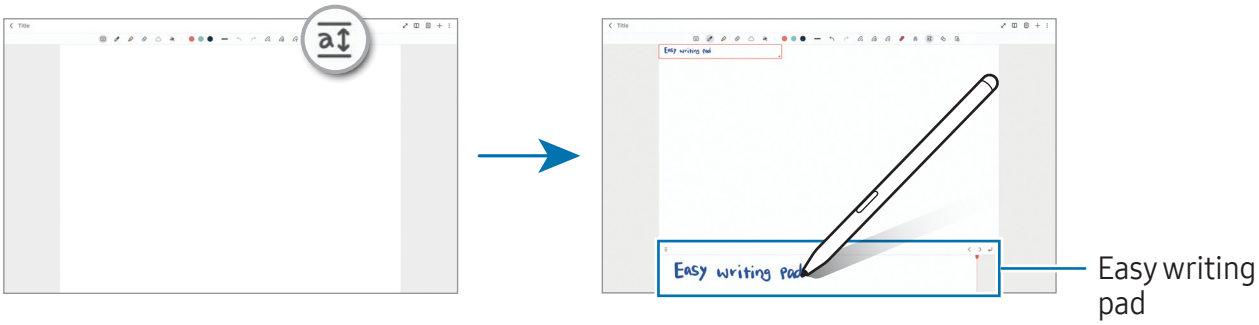
You can change the style of your handwriting and drawings.

After writing or drawing on the screen, tap Ⓐ twice and select a colour or line thickness you want. Then, point the S Pen toward where you want to apply the style. When the → icon appears, tap where you want to change the style.



Using the easy writing pad

On the note composer screen, tap a↕. The input field will be magnified and appear as the easy writing pad.



Automatically fixing shapes

Tap ⌂ and draw a shape. The shape will be fixed.

Recording voice to notes

Make a recording of your voice while creating a note, and then the content will be synchronised with the recording.

On the note composer screen, tap + → **Voice recording** and create a note.

Select a note from the list and tap ·||·· → ▶ to play the recording. Then the content you created while recording will be displayed on the screen along with the recording.

Adding memos to PDF files

Open the **Notes** app, tap PDF, and then select a PDF file. You can add memos to the PDF file.

Pinning a note to the Home screen

Pin a note to the Home screen to check it or open and edit it.

1 Open the **Notes** app.

2 Select a note and tap ⋮ → **Add to** → **Home screen**.
The note will be added to the Home screen.

Clipping content

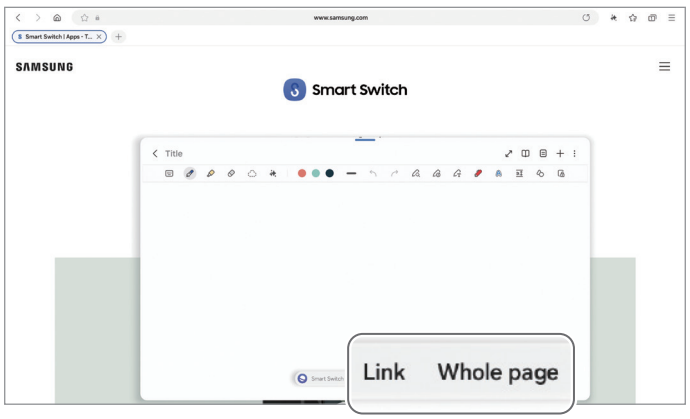
You can add content, such as a webpage link or an image, to a note.

1 When there is content you want to clip while using the **Samsung Internet**, **Messages**, or **Gallery** app, open the **Notes** app in the split screen view or in the pop-up view.
For more information about the split screen view or the pop-up view, refer to Multi window.

Alternatively, double tap the screen while pressing and holding the S Pen button, or open the Air command panel and tap **Create note**.

Options you can use will appear at the bottom of the note composer screen.

2 Select an option you want.



Samsung Members

Samsung Members offers support services to customers, such as device problem diagnosis, and lets users submit questions and error reports. You can also share information with others in the Galaxy users' community or check the latest news and tips. **Samsung Members** can help you solve any problems you might encounter while using your device.

Samsung Kids

You can restrict children's access to certain apps, set their usage times, and configure settings to provide a fun and safe environment for children when they use the device.

Open the notification panel, swipe downwards, and then tap (**Kids**). If you cannot find (**Kids**) on the quick settings panel, tap → **Edit** and drag the button over to add it. When starting Samsung Kids for the first time or after performing a data reset, follow the on-screen instructions to complete the setup.

On the Samsung Kids screen, select the app you want to use.

Your preset screen lock method or your created PIN will be used when turning on the **Parental controls** feature or closing Samsung Kids.

Using parental controls features

You can configure the settings for Samsung Kids and check the usage history.

On the Samsung Kids screen, tap ⋮ → **Parental controls** and enter your unlock code.

Closing Samsung Kids

To close Samsung Kids, tap the Back button (<) or tap ⋮ → **Close Samsung Kids**, and then enter your unlock code.

Samsung Global Goals

The Global Goals, which were set up by the United Nations General Assembly in 2015, consist of goals that aim to create a sustainable society. These goals have the power to end poverty, fight inequality, and stop climate change.

With Samsung Global Goals, learn more about the global goals and join the movement for a better future.

Samsung TV Plus

Select the channels like you would use a TV and enjoy various video content free of charge.

Open the **TV** app.

This app may not be available depending on the carrier or model.

Samsung Find

You can locate your device even if it is not connected to a network. You can also share your location with other people you preset.

Open the **Find** app.

Samsung Shop

Samsung Shop is the mobile shopping service provided by Samsung. Get offers or information about Samsung and its partners' products and services.

Open the **Samsung Shop** app.

This app may not be available depending on the carrier or model.

Galaxy Shop

Access the Samsung website and check various information related to products.

Open the **Galaxy Shop** app.

This app may not be available depending on the carrier or model.

PENUP

PENUP is a social network service for sharing artwork drawn with the S Pen. Post your artwork, check out others' artwork, and get useful drawing tips.

Open the **PENUP** app.

Calendar

Manage your schedule by entering upcoming events in your planner.

Creating events

1 Open the **Calendar** app and tap ⊕ or double tap a date.
If the date already has saved events or tasks in it, tap the date and tap ⊕.

2 Enter event details and tap **Save**.

Syncing events with your accounts

1 Open **Settings**, tap **Accounts and backup** → **Manage accounts**, and then select the account to sync with.

2 Tap **Sync account** and tap the **Calendar** switch to turn it on.

To add accounts to sync with, open the **Calendar** app and tap ☰ → ⚙ → **Manage calendars** → +. Then, select an account to sync with and sign in. When an account is added, a blue circle is displayed next to the account name.

Reminder

(Receiving notifications for to-do items)

Register to-do items as reminders and receive notifications according to the condition you set.

- To receive more accurate notifications, connect to a Wi-Fi or mobile network.
- To use location reminders, the GPS feature must be turned on. Location reminders may not be available depending on the model.

Starting Reminder

Open the **Calendar** app and tap ☰ → **Reminders** → 🔔+. The Reminder screen will appear and the Reminder app icon (🔔) will be added to the Apps screen.

Creating reminders

1 Open the **Reminder** app.

2 Tap ⊕, enter the details, and then tap **Save**.

Completing reminders

On the reminders list, tap ○ or select a reminder and tap **Complete**.

Restoring reminders

Restore reminders that have been completed.

1 On the reminders list, tap ☰ → **Completed**.

2 Select a reminder to restore and tap **Restore**.
Reminders will be added to the reminders list and you will be reminded again.

Deleting reminders

To delete a reminder, select a reminder and tap **Delete**. To delete multiple reminders, touch and hold a reminder, tick reminders to delete, and then tap **Delete**.

Voice Recorder

Record or play voice recordings.

1 Open the **Voice Recorder** app.

2 Tap to start recording. Speak into the microphone.
- Tap to pause recording.
- While making a voice recording, tap to insert a bookmark.

3 Tap to finish recording.

4 Enter a file name and tap **Save**.

My Files

(Checking and managing the files)

Access and manage various files stored in the device.

Open the **My Files** app.

To check for unnecessary data and free up the device's storage, tap **Manage storage**.

To search for files or folders, tap .

Clock

Set alarms, check the current time in many cities around the world, time an event, or set a specific duration.

Open the **Clock** app.

Calculator

Perform basic arithmetic or scientific calculations.

Open the **Calculator** app.

- : Check the calculation history. To clear the history, tap → **Clear history**. To close the calculation history panel, tap .
- : Use the unit conversion tool. You can convert various values, such as area, length, or temperature, into other units.

Gaming Hub

Gaming Hub gathers your games downloaded from **Play Store** and **Galaxy Store** into one place.

Open the **Gaming Hub** app and select the game you want.

Games downloaded from **Play Store** and **Galaxy Store** will be automatically shown on the Gaming Hub screen. If your games are not there, tap **My games** → ⋮ → **Add games**.

Removing a game from Gaming Hub

Tap **My games**, touch and hold a game, and then tap **Remove from Gaming Hub**.

Changing the performance mode

You can change the game performance mode.

Open the **Gaming Hub** app, tap **More** → **Game Booster** → **Game optimisation**, and then select the mode you want.

- **Performance**: This focuses on giving you high performance while playing games. If you use this mode, your device may heat up because of increased battery consumption.
- **Standard**: This balances the performance and the battery usage time.
- **Battery saver**: This saves battery power while playing games.

Battery power efficiency may vary by game.

Game Booster

(Configuring your gaming environment)

You can play games in a better environment with Game Booster. You can use Game Booster while playing games.

To open the Game Booster panel while playing games, tap on the navigation bar. If the navigation bar is hidden, drag upwards from the bottom of the screen to show it. If you have set the navigation bar to use **Swipe gestures**, open the notification panel and tap **Tap to open Game Booster.**

- : Lock the screen while the game is being played. To unlock the screen, drag the lock icon in any direction.
- : Hide the buttons on the navigation bar. To display the buttons, tap on the navigation bar.
- : Capture screenshots.
- : Record your game sessions. To stop recording, tap ■.
- : Configure settings for Game Booster.
- **Priority mode**: Set the device to block incoming calls and all notifications except for alarms to prevent your game from being disturbed.
- **Game optimisation**: Change the performance mode.
- **Battery**: Check the remaining battery usage time.
- **Temperature** / **Memory**: Check the device's temperature and memory status. You can also set the device to automatically adjust the volume or video frame rate to prevent the device from overheating and to stop apps from running in the background when there is not enough memory.

- You can set to open the Game Booster panel from the navigation bar while the navigation bar is set to **Swipe gestures**. On the Game Booster panel, tap → **Block during game** and tap the **Navigation gestures** switch to turn it on.
- Available options may vary depending on the game.
- Game performance may be limited to control the device's temperature if the temperature rises above a certain level.

Opening apps in pop-up windows while playing games

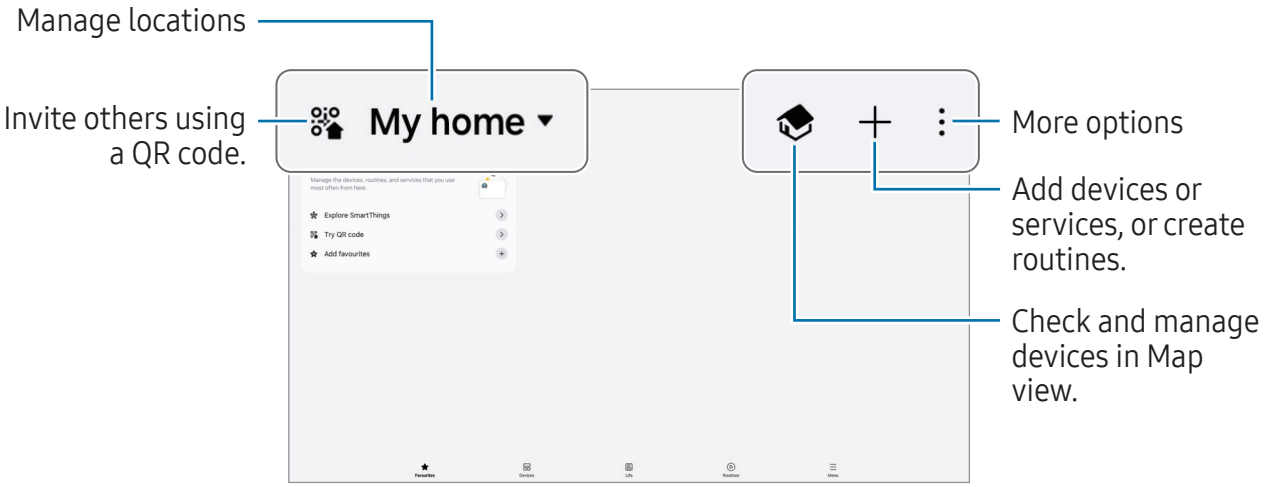
You can open apps in pop-up windows while playing a game.

Tap and select an app from the apps list.

SmartThings

Control and manage smart appliances and Internet of Things (IoT) products.

Open the **SmartThings** app. For more information, tap **Menu** → **How to use**.



- **Favourites**: Add and manage frequently used devices, routines, or services.
- **Devices**: Add or manage devices.
- **Life**: Use various services, such as checking the device status or energy usage, and saving energy by using AI energy mode.
- **Routines**: Add or manage routines.
- **Menu**: Check useful information, supported devices, how to use certain features, and more.

- The devices you can connect may vary depending on the region. Available features may differ depending on the connected device.
- Connected devices' own problems or defects are not covered by the Samsung warranty. When problems or defects occur on the connected devices, contact the device's manufacturer.

Sharing content

Share content by using various sharing options. The following actions are an example of sharing images.

1 Open the **Gallery** app and select an image.

2 Tap and select a sharing method you want.

You may incur additional charges when sharing files through the mobile network.

Quick Share

Sharing content with nearby devices

Share content with nearby devices through Wi-Fi Direct, Bluetooth, or a QR code. You can also share content with Android devices from other manufacturers.

1 Open the **Gallery** app and select an image.

2 On the other device, open the notification panel, swipe downwards, and then tap (**Quick Share**) to turn it on. If you cannot find (**Quick Share**) on the quick settings panel, tap → **Edit** and drag the button over to add it.

3 Tap → **Quick Share** and select a device to transfer the image to.
To share the link with a QR code, tap **QR code or link** and scan the QR code.

4 Accept the file transfer request on the other device.

Sharing with contacts (Mobile network enabled models)

You can share content with people in your contacts.

1 Open the **Gallery** app and select an image.

2 Tap → **Quick Share** → **View contact** › and select a contact.

Private sharing

Encrypt content and share it with others. Shared content cannot be saved, copied, or resent by the recipient.

1 Open the **Gallery** app and select an image.

2 Tap < → **Quick Share** → ⋮ → **Turn on Private sharing**.

3 Select a device to transfer the image to, or tap **View contact** › and select a contact.

Setting who can find your tablet

Set who is allowed to find and send content to your tablet.

1 Open the notification panel, swipe downwards, and then tap (**Quick Share**).

2 Select an option.

- **No one**: Do not allow others to find your tablet. Only other devices signed in to the same Samsung account can find your tablet.
- **Contacts only**: Share with people saved in your contacts.
- **Everyone**: Allow any nearby devices to share with your tablet.

Music Share

Introduction

Using the Music Share feature, you can share your Bluetooth speaker that is already connected to your tablet with another person. You can also listen to the same music on your Galaxy Buds and another person's Galaxy Buds.

This feature is available only on devices that support the Music Share feature.

Sharing a Bluetooth speaker

You can listen to music on your tablet and your friend's phone through your Bluetooth speaker.

1 Make sure that your tablet and your Bluetooth speaker are connected.

Refer to Pairing with other Bluetooth devices for how to connect.

2 On your tablet, open **Settings**, tap **Connected devices**, and then tap the **Music Share** switch to turn it on.
You can use additional features, such as setting who to share your device with, by tapping **Music Share**.

3 On your friend's phone, select your speaker from the list of the Bluetooth devices.

4 On your tablet, accept the connection request.
Your speaker will be shared.
When you play music through your friend's phone, the music playing through your tablet will be paused.

Listening to music together with Galaxy Buds

You can listen to music on your tablet together through your Buds and your friend's Buds.

This feature is supported only on the Galaxy Buds series.

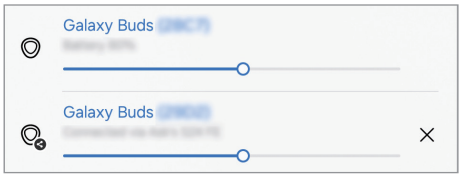
1 Make sure that your tablet, your friend's phone, and a pair of Buds are connected to each other.
Refer to Pairing with other Bluetooth devices for how to connect.

2 On your friend's phone, open **Settings**, tap **Connected devices**, and then tap the **Music Share** switch to turn it on.
You can use additional features, such as setting who to share your device with, by tapping **Music Share**.

3 On your tablet, open the notification panel and tap **Media output**.

4 Tap **Music Share** and select your friend's Buds from the detected devices list.

5 On your friend's phone, accept the connection request.
When you play music through your tablet, you can listen to it together through both Buds.



Smart View

(Mirroring on a TV screen)

View your tablet's displayed content on a large screen by connecting your tablet to a screen mirroring-enabled TV or monitor.

1 Open the notification panel, swipe downwards, and then tap **Smart View**.

2 Select a device to mirror your tablet's screen.

When you play a video with Smart View, the resolution may vary depending on the TV model.

Casting apps to the screen

Only display the video on the connected screen while you are checking private messages or using other features on your tablet at the same time.

Open the app to cast a video on the connected screen and tap → .

Some apps may not support this feature.

Samsung Flow

Connect your tablet to a phone or a computer and use them together doing things like checking notifications and sharing content.

Samsung Flow must be installed on both devices that you want to connect. If Samsung Flow is not installed, download it from **Galaxy Store** or **Play Store**. For computers, you can download it from the Microsoft Store.

This feature is only available on some Samsung Android devices and computers running Windows 10 or higher.

Connecting to a phone

1 On your phone, open the Samsung Flow app.

2 On your tablet, open the **Flow** app and tap **Connect to phone**.
If your tablet is connected to a computer, tap ⋮ → **Connect to phone**.

3 Select your phone from the detected devices list.
If the connection method selection pop-up window appears, select the method you want.

4 Confirm the passkey on both devices.
The devices will be connected.

Connecting to a computer

1 On your tablet, open the **Flow** app and tap **Connect to computer**.
If your tablet is connected to a phone, tap ⋮ → **Connect to computer**.

2 On your computer, open the Samsung Flow app and tap **Start**.

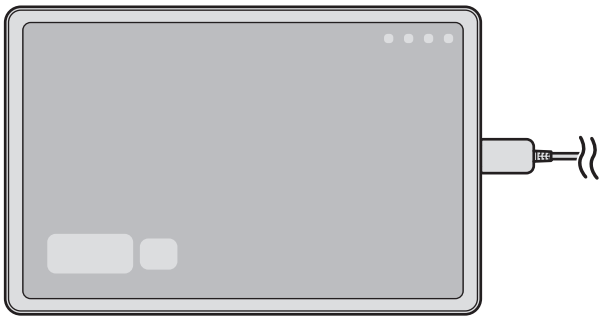
3 Select your tablet from the detected devices list.
If the connection method selection pop-up window appears, select the method you want.

4 Confirm the passkey on both devices.
The devices will be connected.

Daily Board

Introduction

Use your tablet as a picture frame or bulletin board when it is charging with a USB cable or charging dock. You can enjoy a slide show with your favourite images and check information, such as the time, weather, or your calendar. You can also create a note and control music while using it.



Starting Daily Board

1 Charge the device with a USB cable or charging dock.

To connect the device to a charging dock, slide the device into the charging dock to bring the device's connectors and charging dock's charging terminals into contact with each other.

2 Open the notification panel and tap **Tap here to start Daily Board.**
The Daily Board main screen will appear and you can check the clock, weather, or calendar.

Using Daily Board

Playing the slide show

You can use your device as a picture frame. Enjoy slide shows of your favourite images on Daily Board.

On the Daily Board main screen, swipe to the right to play a slide show.

To add your favourite images to display to a slide show, open **Settings**, tap **Advanced features** → **Daily Board** → **Slideshow** → ⚙ next to **Albums**, and then select the album.

Making a note on Daily Board

You can use your device as a bulletin board to make a note on Daily Board.

1 Swipe to the left on the Daily board main screen and tap ✎.

2 Select a pen and write or draw on the screen.

3 Tap **Done**.
The note you make will be pinned to Daily Board.

Controlling the music

You can control music playback on Daily Board.

Tap ♪ and select an app to control playback.

Configuring settings for Daily Board

Configure various settings for Daily Board and make Daily board more personalised.

Open **Settings** and tap **Advanced features** → **Daily Board**.

- **Time, weather, and calendar**: Change the setting for Daily Board main screen.
- **Memo**: Turn the memo feature on Daily Board on or off.
- **SmartThings**: Set the device to show SmartThings devices and scenes on the Daily Board.
- **Slideshow**: Select the images to add to the slide show and change the settings for slide show, such as the image order, transition speed, and style. You can also set the clock or weather information shown on the slide show.
- **Music**: Turn the music controller feature on Daily Board on or off.
- **Charge battery or tap icon**: While charging, the Daily Board button ( ) will be added to the navigation bar.
  - **Add Daily Board to Apps screen**: The Daily Board icon ( ) will be added to the Apps screen.
  - **Auto start when connected to USB charger**: Daily Board will be start automatically when the device is charging with a USB cable.
- **Same as screen saver**: Use Daily Board as a screen saver.
- **Dark mode**: Apply Dark mode to the Daily Board. You can also set the schedule to apply Dark mode.
- **Turn off as scheduled**: Set the schedule to close Daily Board. When activating this feature, tap **Set time** to set the time to close Daily Board.
- **About Daily Board**: Check out the Daily Board version and legal information.
- **Contact us**: Ask questions or check frequently asked questions.

Closing Daily Board

To close Daily Board, tap the Home button ( ) or the Back button ( ).

Link to Windows

(Using the device through a computer connection)

Access and use the mobile device's data, such as apps or pictures, on a Windows computer.

- It is recommended to use the latest version of Windows and the **Phone Link** app to fully use this feature.
- A Microsoft account is required to use this feature. When you create a Microsoft account, you can sign in to all Microsoft devices and services, such as Microsoft Office apps and Windows 10.

Connecting to a computer

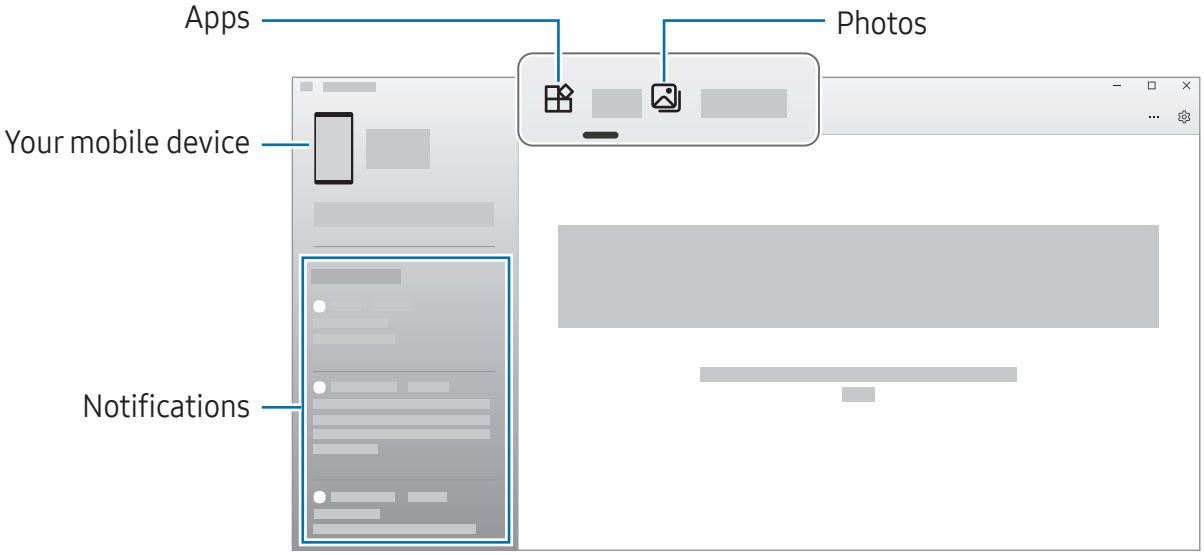
1 On your mobile device, open **Settings** and tap **Connected devices** → **Link to Windows**.

2 Follow the on-screen instructions to complete the connection.

Visit https://aka.ms/setupltw for details.

Accessing data and notifications from your mobile device on the computer

Open the **Phone Link** app on the computer and select a category you want.

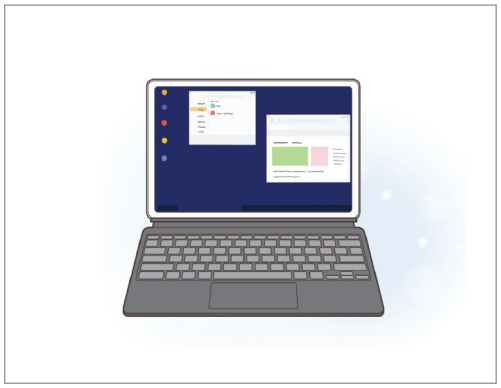


Available features and menus may vary depending on the device's software version, app version, or model.

Samsung DeX

Introduction

Using Samsung DeX, you can use your mobile device like a computer by connecting the mobile device to an external display, such as a TV or monitor or to the Book Cover Keyboard. While using Samsung DeX, you can simultaneously use your mobile device.



On tablet screen

On external display

Use only official Samsung DeX supported accessories that are provided by Samsung. Performance problems and malfunctions caused by using accessories that are not officially supported are not covered by the warranty.

Selecting a Samsung DeX mode

Open **Settings**, tap **Connected devices** → **Samsung DeX**, and then select a mode you want.

- **New**: Use the same home screen layout, widgets, and icons of the tablet.
- **Classic**: Use your tablet's features in an interface environment similar to a computer.

The following actions are an example of using **Classic** mode.

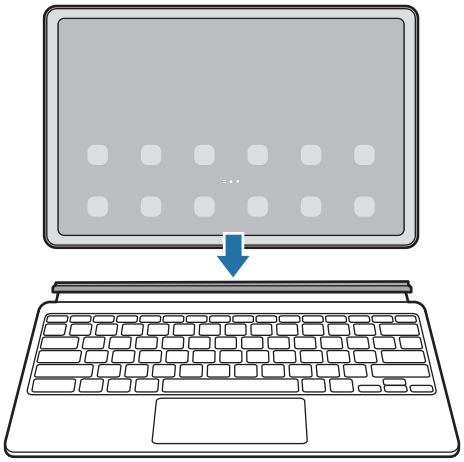
Connecting devices and starting Samsung DeX

Connecting to the Book Cover Keyboard

Use your tablet like a computer by connecting the Book Cover Keyboard.

Attach the device's keyboard dock port so that it connects to the Book Cover Keyboard connector.

When you tap **Start**, the Samsung DeX screen will appear.



- To set the device to switch to Samsung DeX automatically when connecting the Book Cover Keyboard, open **Settings**, tap **Connected devices** → **Samsung DeX**, and then tap the **Auto start when Book Cover Keyboard is connected** switch to turn it on.
- While using the Book Cover Keyboard, you can launch Samsung DeX with a simple key combination (**Fn** + **DeX**).
- You can also launch Samsung DeX from quick settings without Book Cover Keyboard. Swipe downwards on the notification panel and tap (**DeX**).
- To use the device upright, attach the backside of the Book Cover Keyboard to the back of the device.

Wired connections to external displays

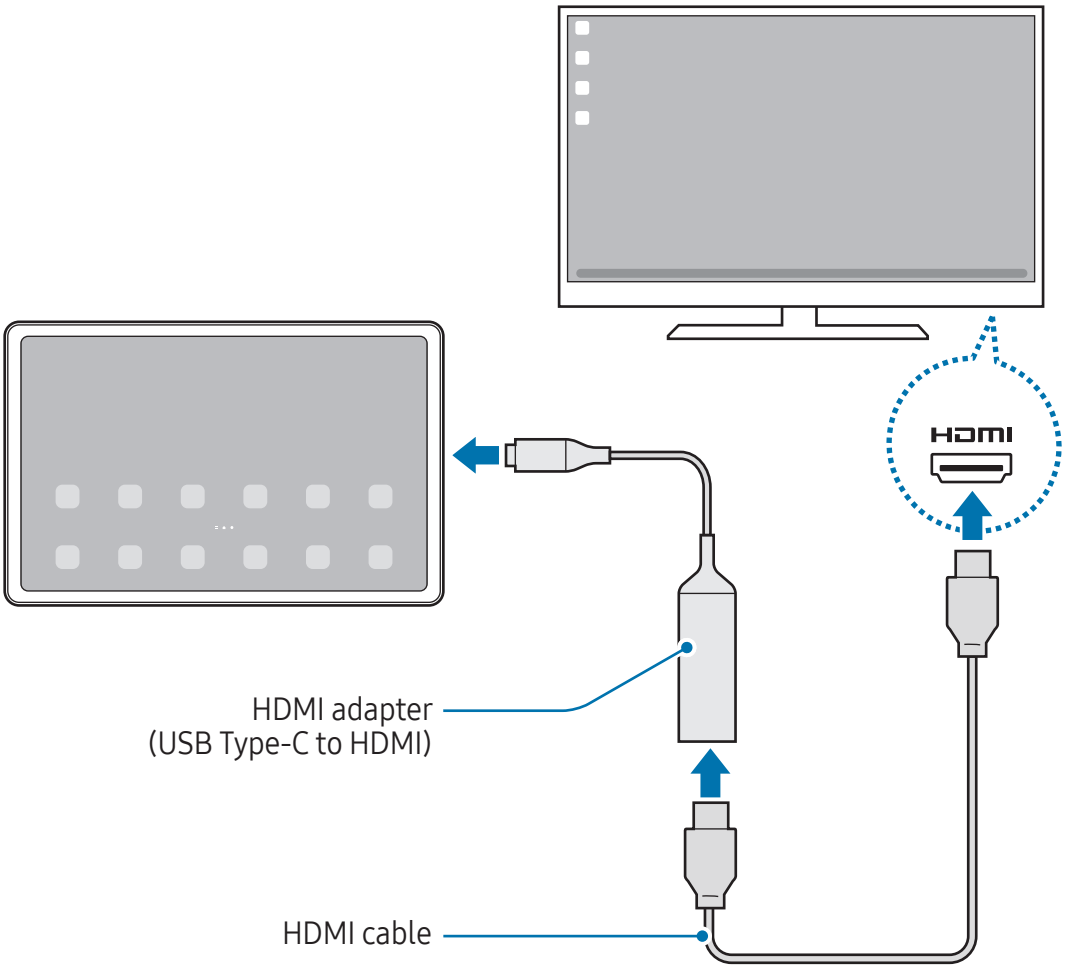
You can connect your mobile device to an external display using an HDMI adapter (USB Type-C to HDMI).

1 Open **Settings**, tap **Connected devices** → **Samsung DeX**, and then tap the **Auto start when HDMI is connected** switch to turn it on.

2 Connect an HDMI adapter to your mobile device.

3 Connect an HDMI cable to the HDMI adapter and to a TV or monitor's HDMI port.

4 On your mobile device's screen, tap **Start**.
Without changing your mobile device's screen, the Samsung DeX screen will appear on the connected TV or monitor.



Connecting to a TV wirelessly

You can use Samsung DeX by connecting your mobile device to a TV wirelessly.

1 Open **Settings** and tap **Connected devices** → **Samsung DeX** → **Connect wirelessly**.

2 Select a TV from the detected devices list and tap **Start now**.
Some TVs will only be detected when its screen mirroring mode is turned on.

3 If the connection request window appears on the TV, accept the request.

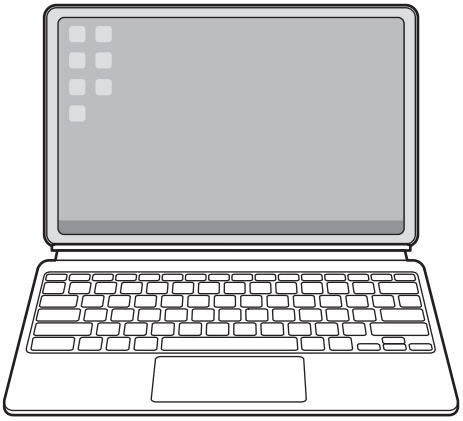
4 Follow the on-screen instructions to complete the connection.
When they are connected, the Samsung DeX screen will appear on the TV.

- It is recommended to use a Samsung Smart TV manufactured after 2019.
- Make sure that screen mirroring is supported on the TV you want to connect to.

Controlling the Samsung DeX screen

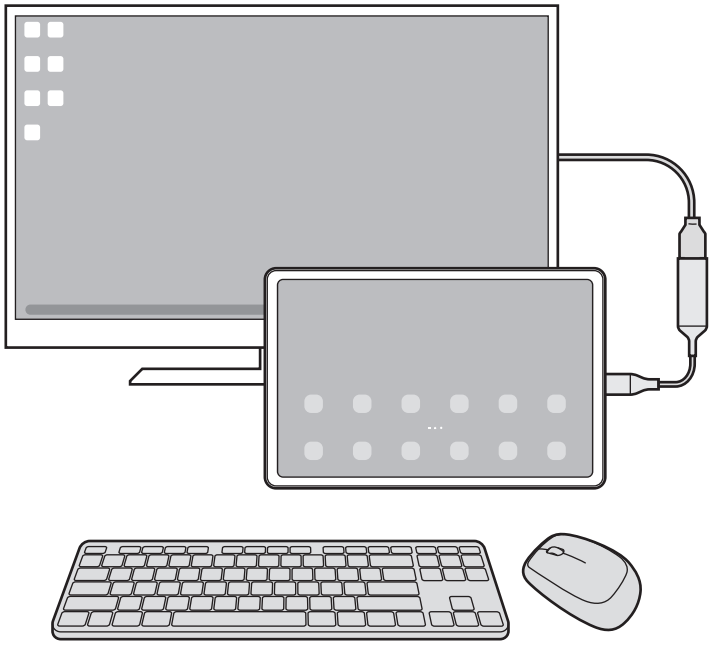
Controlling with Book Cover Keyboard's touchpad and keyboard

When you use Samsung DeX with the Book Cover Keyboard, you can use Book Cover Keyboard's touchpad and keyboard to control the Samsung DeX screen.



Controlling with an external keyboard and mouse

You can use a wireless keyboard/mouse. Refer to the respective device's manual for more information.



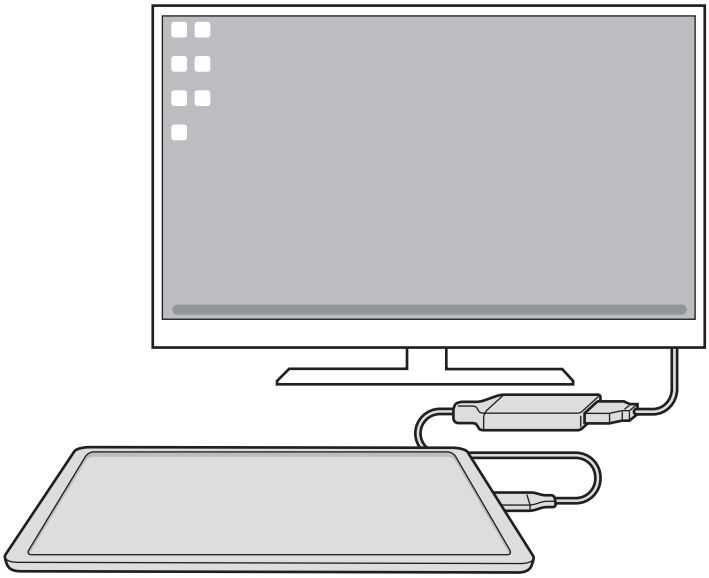
- You can set the mouse pointer to flow from the external display to the mobile device's screen. Open **Settings**, select **Samsung DeX** → **Mouse and trackpad**, and then select the **Flow pointer to tablet screen** switch to turn it on.
- You can also use the external keyboard on the mobile device's screen.

Using your mobile device as a touchpad

You can use your mobile device as a touchpad.

On your mobile device, tap ▭ on the navigation bar. If you have set the navigation bar to use **Swipe gestures**, open the notification panel and tap **Use your tablet as a touchpad**.

- If you double tap ⓘ on the touchpad, you can check out the gestures you can use with the touchpad.
- If your mobile device's screen turns off, press the Side button or double tap the screen to turn on the screen.

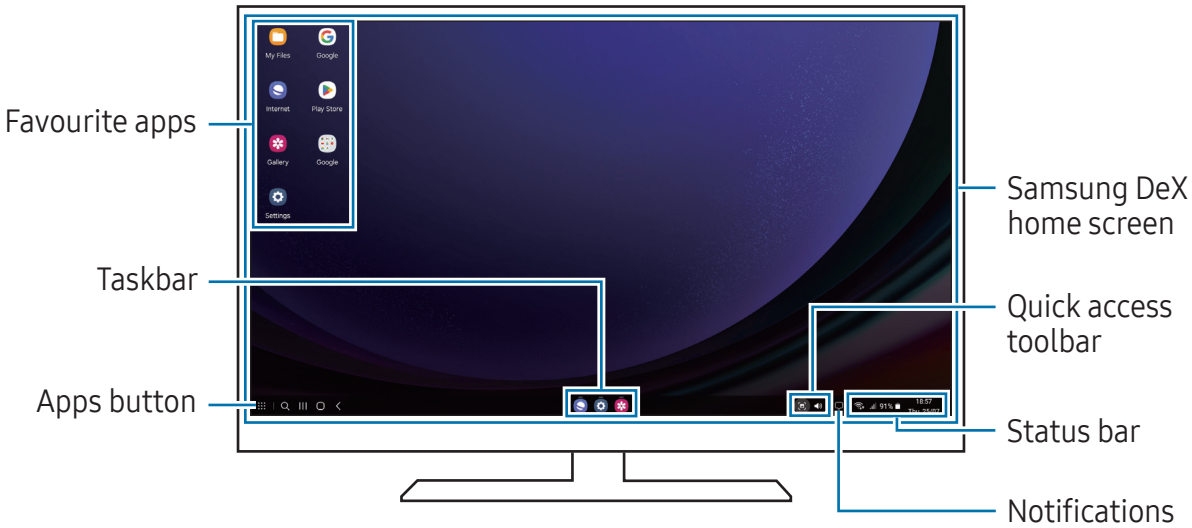


Using the screen keyboard

When you enter text to send messages, create notes, or perform other tasks, a screen keyboard will appear automatically on your mobile device's screen without connecting an external keyboard.

Using Samsung DeX

Use your mobile device's features in an interface environment similar to a computer. You can multitask by running multiple apps simultaneously. You can also check your mobile device's notifications and status.



- The Samsung DeX screen layout may differ depending on the connected device.
- When starting or ending Samsung DeX, running apps may be closed.
- Some apps or features may not be available when using Samsung DeX.
- To adjust the screen settings, use the connected TV or monitor's display settings.
- To change the audio output, tap the status bar, select **Media output**, and then select a device.

Using Samsung DeX and mobile device simultaneously

While using Samsung DeX, you can use separate apps on the external display and your mobile device simultaneously.

For example, while watching a video on the connected TV or monitor, you can chat with your friend on a messenger.

On the connected TV or monitor, open an app to run on the Samsung DeX screen. Then, open another app on your mobile device.

Locking the Samsung DeX screen

If you want to lock the Samsung DeX screen and your mobile device's screen while using Samsung DeX, select ⠿ → **Lock DeX**.

While using Samsung DeX, you cannot lock the external display and your mobile device's screen by pressing the Side button.

Google apps

Google provides entertainment, social network, and business apps. You may require a Google Account to access some apps.

To check out more app information, access each app's help menu.

- **Chrome**: Search for information and browse webpages.
- **Gmail**: Send or receive emails through the Google Mail service.
- **Maps**: Find your location on the map, search the world map, and access location information for various places around you.
- **YT Music**: Enjoy various music and videos provided by YouTube Music. You can also access the music collections stored on your device and play them.
- **Google TV**: Purchase or rent videos, such as movies and TV programmes, from **Play Store**.
- **Drive**: Store your content on the cloud, access it from anywhere, and share it with others.
- **YouTube**: Watch or create videos and share them with others.
- **Photos**: Search for, manage, and edit all your pictures and videos from various sources in one place.
- **Google**: Search for items on the internet or your device.
- **Meet**: Make video calls or create or join video meetings.
- **Messages**: Send and receive messages on your device or computer, and share various content, such as images and videos.
- **Assistant**: Use device features or search for information using your voice.

Some apps may not be available depending on the carrier or model.

Settings

Introduction

Customise device settings.

On the Apps screen, tap **Settings**. Alternatively, open the notification panel and tap ⚙.

To search for settings by entering keywords, tap 🔍. You can also search for settings by selecting a tag under **Suggestions**.

Sign in to your Galaxy

Sign in to your Samsung account and manage it.

On the Settings screen, tap **Sign in to your Galaxy**.

Connections

Options

Change settings for various connections, such as the Wi-Fi feature and Bluetooth.

On the Settings screen, tap **Connections**.

- **Wi-Fi**: Turn on the Wi-Fi feature to connect to a Wi-Fi network and access the internet or other network devices. Refer to Wi-Fi for more information.
- **Bluetooth**: Use Bluetooth to exchange data or media files with other Bluetooth-enabled devices. Refer to Bluetooth for more information.

- **Flight mode**: Set the device to turn off all wireless functions on your device. You can use only non-network services.

  Follow the regulations provided by the airline and the instructions of aircraft personnel. In cases where it is allowed to use the device, always use it in Flight mode.

- **SIM manager**: Activate your SIM or USIM cards and customise the SIM card settings. Refer to SIM manager for more information.
- **Mobile networks**: Configure your mobile network settings.
- **Data usage**: Keep track of your data usage amount and customise the settings for the limitation. Set the device to automatically disable the mobile data connection when the amount of mobile data you have used reaches your specified limit.

  You can turn on the data saver feature to prevent some apps running in the background from sending or receiving data. Refer to Data saver (Mobile network enabled models) for more information.

  You can also set apps to use only a Wi-Fi or mobile data, or both. Refer to Allowed networks for apps (Mobile network enabled models) for more information.

- **Mobile Hotspot and Tethering**: Use the tablet as a mobile hotspot to share the tablet's mobile data connection with other devices. For more information about Mobile Hotspot, refer to Mobile Hotspot (Mobile network enabled models).

  You may incur additional charges when using this feature.

- **Tethering**: Use tethering to share the device's internet connection with other devices.
- **More connection settings**: Customise settings to control other features. Refer to More connection settings for more information.

Some features may not be available depending on the model.

Wi-Fi

Turn on the Wi-Fi feature to connect to a Wi-Fi network and access the internet or other network devices.

Connecting to a Wi-Fi network

1 On the Settings screen, tap **Connections** → **Wi-Fi** and tap the switch to turn it on.

2 Select a network from the Wi-Fi networks list.
Networks with a lock icon require a password.

- Once the device connects to a Wi-Fi network, the device will reconnect to that network each time it is available without requiring a password. To prevent the device from connecting to the network automatically, tap ⚙ next to the network and tap the **Auto reconnect** switch to turn it off.
- If you cannot connect to a Wi-Fi network properly, restart your device's Wi-Fi feature or the wireless router.

Checking out the Wi-Fi network quality information

Check out the Wi-Fi network quality information, such as the speed and stability.

On the Settings screen, tap **Connections** → **Wi-Fi** and tap the switch to turn it on. The network quality information will appear under the Wi-Fi networks. If it does not appear, tap ⋮ → **Intelligent Wi-Fi** and tap the **Show network quality info** switch to turn it on.

The quality information may not appear depending on the Wi-Fi network.

Sharing Wi-Fi network passwords

If you make a request to a person who is connected to a secured Wi-Fi network to share its password, you can connect to the network without entering the password. This feature is available between the devices which have contacts each other and the screen of the other device must be turned on.

1 On the Settings screen, tap **Connections** → **Wi-Fi** and tap the switch to turn it on.

2 Select a network from the Wi-Fi networks list.

3 Tap **Request password**.

4 Accept the share request on the other device.
The Wi-Fi password is entered on your device and it is connected to the network.

Wi-Fi Direct

Wi-Fi Direct connects devices directly through a Wi-Fi network without requiring an access point.

1 On the Settings screen, tap **Connections** → **Wi-Fi** and tap the switch to turn it on.

2 Tap ⋮ → **Wi-Fi Direct**.
The detected devices are listed.
If the device you want to connect to is not in the list, request that the device turns on its Wi-Fi Direct feature.

3 Select a device to connect to.
The devices will be connected when the other device accepts the Wi-Fi Direct connection request.
To end the device connection, select the device to disconnect from the list.

Bluetooth

Use Bluetooth to exchange data or media files with other Bluetooth-enabled devices.

Precautions for using Bluetooth

- Samsung is not responsible for the loss, interception, or misuse of data sent or received through Bluetooth.
- Always ensure that you share and receive data with devices that are trusted and properly secured. If there are obstacles between the devices, the operating distance may be reduced.
- Some devices, especially those that are not tested or approved by the Bluetooth SIG, may be incompatible with your device.
- Do not use the Bluetooth feature for illegal purposes (for example, pirating copies of files or illegally tapping communications for commercial purposes). Samsung is not responsible for the repercussion of illegal use of the Bluetooth feature.

Pairing with other Bluetooth devices

1 On the Settings screen, tap **Connections** → **Bluetooth** and tap the switch to turn it on.

The detected devices will be listed.

2 Select a device to pair with.

If the device you want to pair with is not on the list, set the device to enter Bluetooth pairing mode. Refer to the other device's user guides.

Your tablet is visible to other devices while the Bluetooth settings screen is open.

3 Accept the Bluetooth connection request on your tablet to confirm.

The devices will be connected when the other device accepts the Bluetooth connection request.

To unpair the devices, tap ⚙ next to the device name to unpair and tap **Unpair**.

Sending and receiving data

Many apps support data transfer through Bluetooth. You can share data, such as contacts or media files, with other Bluetooth devices. The following actions are an example of sending an image to another device.

1 Open the **Gallery** app and select an image.

2 Tap < → **Bluetooth** and select a device to transfer the image to.

If the device you want to pair with is not in the list, request that the device turns on its visibility option.

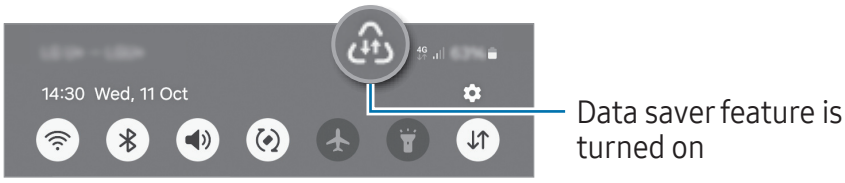
3 Accept the Bluetooth connection request on the other device.

Data saver (Mobile network enabled models)

Reduce your data usage by preventing some apps running in the background from sending or receiving data.

On the Settings screen, tap **Connections** → **Data usage** → **Data saver** and tap the switch to turn it on.

When the data saver feature is turned on, the icon will appear on the status bar.



To select apps to use data without restriction, tap **Apps that can always use data** and select apps.

Allowed networks for apps (Mobile network enabled models)

Set apps to use only a Wi-Fi or mobile data, or both.

For example, you can set the device to use only mobile data for apps that you want to keep secure or streaming apps that can be disconnected. Even if you do not turn off the Wi-Fi feature, the apps will open using the mobile data.

On the Settings screen, tap **Connections** → **Data usage** → **Allowed networks for apps**. Tap an app you want from the apps list and select a network option.

You may incur additional charges when using the mobile data.

Mobile Hotspot (Mobile network enabled models)

Use your tablet as a mobile hotspot to share your tablet's mobile data connection with other devices.

1 On the Settings screen, tap **Connections** → **Mobile Hotspot and Tethering** → **Mobile Hotspot**.

2 Tap the switch to turn it on.
You can change the network name, password, and more.
The icon appears on the status bar.

3 On the other device's screen, search for and select your tablet from the Wi-Fi networks list.
Alternatively, tap **QR code** on the Mobile Hotspot screen and scan the QR code with the other device.

- If the mobile hotspot is not found, on your tablet, set **Band** to **2.4 GHz**, tap **Advanced**, and then tap the **Hidden network** switch to turn it off.
- If you turn on the **Auto Hotspot** feature, you can share your tablet's mobile data connection with other devices signed in to your Samsung account.

More connection settings

Customise settings to control other connection features.

On the Settings screen, tap **Connections** → **More connection settings**.

- **Nearby device scanning**: Set the tablet to scan for nearby devices to connect to.
- **Printing**: Configure settings for printer plug-ins installed on the device. You can search for available printers or add one manually to print files. Refer to Printing for more information.
- **VPN**: Set up virtual private networks (VPNs) on your device to connect to a school or company's private network.
- **Private DNS**: Set the device to use the security enhanced private DNS.
- **Ethernet**: When you connect an Ethernet adapter, you can use a wired network and configure network settings.
- **Auto update system configurations**: Allow automatic configuration changes to ensure that network connection features work as expected.

Printing

Configure settings for printer plug-ins installed on the device. You can connect the device to a printer through Wi-Fi or Wi-Fi Direct, and print images or documents.

Some printers may not be compatible with the device.

Adding printer plug-ins

Add printer plug-ins for printers you want to connect the device to.

1 On the Settings screen, tap **Connections** → **More connection settings** → **Printing** → **Download plugin**.

2 Select a printer plug-in and install it.

3 Select the installed printer plug-in.
The device will automatically search for printers that are connected to the same Wi-Fi network as your device.

4 Select a printer to add.

To add printers manually, tap ⋮ → **Add printer**.

Printing content

While accessing content, such as images or documents, access the options list, tap **Print** → ▼ → **All printers...**, and then select a printer.

Printing methods may vary depending on the content type.

Connected devices

Change settings for device connections.

On the Settings screen, tap **Connected devices**.

- **Quick Share**: Change the Quick Share settings. Refer to Quick Share for more information.
- **Music Share**: Change the Music Share settings. Refer to Music Share for more information.
- **Auto switch Buds**: Set the Galaxy Buds to switch from another device to your tablet when you make or answer a call, play media, and more. You can use this feature only when you signed in to the same Samsung account on the other device and you are wearing your Galaxy Buds.
- **Call & text on other devices**: Connect your tablet and phone to use calling and messaging features on the tablet with your phone number. You must register and sign in to the same Samsung account on the tablet and phone. Some calling and messaging features may not be available.
- **Continue apps on other devices**: Use your tablet's apps on other devices signed in to your Samsung account.
- **Camera sharing**: Use your phone's camera as a webcam for your tablet. To use this feature, both devices need to be signed in to the same Samsung account and have Wi-Fi, Bluetooth, and the Camera sharing feature turned on.
- **Link to Windows**: Access and use the mobile device's data, such as apps or pictures, on a Windows computer. Refer to Link to Windows for more information.
- **Multi control**: Use a mouse and keyboard connected to a Samsung computer that supports this feature on your tablet.
- **Second screen**: Connect your tablet and computer to use the tablet as an additional display for the computer. Your computer must be running Windows 10 or higher.
- **Samsung DeX**: Use your mobile device's features in an interface environment similar to a computer. Refer to Samsung DeX for more information.
- **Smart View**: View your tablet's displayed content on a large screen by connecting your tablet to a screen mirroring-enabled TV or monitor. Refer to Smart View for more information.

- **SmartThings**: Control and manage smart appliances and Internet of Things (IoT) products. Refer to SmartThings for more information.
- **Android Auto**: Connect your device to a vehicle and control some of your device's features on the vehicle's display.

Some features may not be available depending on the model.

Galaxy AI

Use advanced intelligence features to help you use your device.

On the Settings screen, tap **Galaxy AI**. Refer to Galaxy AI for more information.

Modes and Routines

Introduction

Select a mode based on your current activity or location, or add your repeated usage patterns as routines and use your device more conveniently.

On the Settings screen, tap **Modes and Routines**.

Using modes

Adding modes

1 On the Settings screen, tap **Modes and Routines** → **Modes**.

2 Select a mode you want or tap **Add mode** to add your own modes.

Running modes

Modes will run automatically when their conditions are detected. You can also run them manually by tapping the button whenever you want.

To run modes manually, select the mode you want and tap **Turn on**.

To turn off a running mode, tap the mode and tap **Turn off**.

Using routines

Adding routines

1 On the Settings screen, tap **Modes and Routines** → **Routines**.

2 Tap ⊘ and select a routine you want or tap + to add your own routines.
If you want to set the routine's running condition to manual, tap **Start manually**. This option will appear only when there are no running conditions set.

Running routines

Auto routines will run automatically when their conditions are detected. For routines which you set the running condition as **Start manually**, you can run them manually by tapping the button whenever you want.

To run routines manually, tap ▶ next to the routine you want to run. If you want to use a widget, tap a routine under **Manual routines** and tap **More** → **Set as widget** → **Add**. The routine will be added as a widget to the Home screen and you can run the routine by tapping the widget.

To stop running routines, tap the routine under **Running** and tap **Stop**.

Sounds and vibration

Options

Change settings for various sounds on the device.

On the Settings screen, tap **Sounds and vibration**.

- **Sound** / **Vibrate** / **Mute**: Set the device to use sound mode, vibration mode, or silent mode.
- **Vibrate while ringing**: Set the device to vibrate and play a ringtone for incoming calls.
- **Temporary mute**: Set the device to use silent mode for a certain period.
- **Ringtone**: Change the call ringtone.

- **Notification sound**: Change the notification sound.
- **System sound**: Change the sound to use for certain actions, such as charging the device.
- **Volume**: Adjust the device's volume level.
- **Call vibration**: Change the call vibration settings.
- **Notification vibration**: Change the notification vibration settings.
- **System vibration**: Select actions to receive vibration feedback and adjust the vibration intensity.
- **Vibration intensity**: Adjust the force of the vibration notification.
- **Sound quality and effects**: Set the device's sound quality and effects. Refer to Sound quality and effects for more information.
- **Separate app sound**: Set the device to play media sound from a specific app separately on the other audio device. Refer to Separate app sound for more information.

Some features may not be available depending on the model.

Sound quality and effects

Set the device's sound quality and effects.

On the Settings screen, tap **Sounds and vibration** → **Sound quality and effects**.

- **Dolby Atmos**: Select a surround sound mode optimised for various types of audio, such as movies, music, and voice. With Dolby Atmos, you can experience moving audio sounds that flow all around you.
- **Equaliser**: Select an option for a specific music genre and enjoy optimised sound.
- **Boost dialogue**: Raise the volume of voices in the content.

  This feature is not available for multichannel audio content.

- **Loudness normalisation**: Reduce the differences in volume between different content. The device will automatically increase the volume of content with low volume.
- **Adapt sound**: Set the best sound for you.
- **UHQ upscaler**: Enhance the sound resolution of music and videos when using wired headphones or Bluetooth headphones that support UHQ.

Depending on the model, you must connect headphones to use some features.

Separate app sound

Set the device to play media sound from a specific app on the connected Bluetooth speaker or headset.

For example, you can listen to the Navigation app through your device's speaker while listening to playback from the Music app through the vehicle's Bluetooth speaker.

1 On the Settings screen, tap **Sounds and vibration** → **Separate app sound** and tap the switch to turn it on.

2 Select an app to play media sounds separately and tap the Back button (<).

3 Select a device for playing the selected app's media sound.

Notifications

Change the notification settings.

On the Settings screen, tap **Notifications**.

- **App notifications**: Select the apps you want to receive notifications from.
- **Sort notifications**: Select a method for sorting notifications.
- **Lock screen notifications**: Set how to show notifications on the locked screen.
- **Notification pop-up style**: Select a notification pop-up style and change the settings.
- **Do not disturb**: Set the device to mute all sounds except for allowed exceptions.
- **Advanced settings**: Configure advanced settings for notifications.

Display

Options

Change the display and the Home screen settings.

On the Settings screen, tap **Display**.

- **Light** / **Dark**: Turn Dark mode on or off.
- **Dark mode settings**: Reduce eye strain by applying the dark theme when using the device at night or in a dark place. You can set a schedule for applying Dark mode.

  The dark theme may not be applied in some apps.

- **Brightness**: Adjust the brightness of the display.
- **Adaptive brightness**: Set the device to keep track of your brightness adjustments and apply them automatically in similar lighting conditions.
- **Motion smoothness**: Change the refresh rate of the screen. When a high refresh rate is set, the screen will scroll more smoothly. Refer to Motion smoothness for more information.
- **Eye comfort shield**: Reduce eye strain by limiting the amount of blue light emitted by the screen. You can set a schedule for applying this feature.
- **Screen mode**: Change the screen mode to adjust the display's colour and contrast. Refer to Changing the screen mode or adjusting the display colour for more information.
- **Font size and style**: Change the font size and style.
- **Screen zoom**: Make the items on the screen larger or smaller.
- **Camera cutout**: Set the device to hide the front camera from the screen.
- **Screen timeout**: Set the length of time the device waits before turning off the display's backlight.
- **Edge panels**: Change the settings for the Edge panel.
- **Taskbar**: Change the settings for the taskbar. Refer to Taskbar for more information.

- **Navigation bar**: Change the navigation bar settings. Refer to Navigation bar (soft buttons) for more information.
- **Touch sensitivity**: Increase the touch sensitivity of the screen for use with screen protectors.
- **Screen saver**: Set the device to launch a screensaver when the device is charging.

Some features may not be available depending on the model.

Motion smoothness

The refresh rate is the number of times the screen is refreshed every second. Use a high refresh rate to prevent the screen from flickering when switching between screens. The screen will scroll more smoothly. When you select a standard refresh rate, you can use the battery longer.

1 On the Settings screen, tap **Display** → **Motion smoothness**.

2 Select a refresh rate.
   - **Adaptive**: Get smoother animations and scrolling by automatically adjusting your screen refresh rate into a higher one.
   - **Standard**: Use a standard refresh rate in normal situations to conserve battery power.

Changing the screen mode or adjusting the display colour

Change the screen mode or adjust the display colour to your preference.

Changing the screen mode

On the Settings screen, tap **Display** → **Screen mode** and select a mode you want.

- **Vivid**: This optimises the colour range, saturation, and sharpness of your display. You can also adjust the display colour balance by colour value.
- **Natural**: This adjusts the screen to a natural tone.

- You can adjust the display colour only in **Vivid** mode.
- **Vivid** mode may not be compatible with third-party apps.

Optimising the full screen colour balance

Optimise the display colour by adjusting the colour tones to your preference.

On the Settings screen, tap **Display** → **Screen mode** → **Vivid** and adjust the colour adjustment bar under **White balance**.

When you drag the colour adjustment bar towards **Cool**, the blue colour tone will increase. When you drag the bar towards **Warm**, the red colour tone will increase.

Adjusting the screen tone by colour value

Increase or lower certain colour tones by adjusting the Red, Green, or Blue value individually.

1 On the Settings screen, tap **Display** → **Screen mode** → **Vivid**.

2 Tap **Advanced settings**.

3 Adjust the **R** (Red), **G** (Green), or **B** (Blue) colour bar to your preference.
The screen tone will be adjusted.
To adjust the vividness level, drag the bar under **Vividness**.

Battery

Check the remaining battery power and time to use the device. For devices with low battery levels, conserve battery power by turning on power saving features.

On the Settings screen, tap **Battery**.

- **Power saving**: Turn on power saving mode to extend the battery's usage time.
- **Background usage limits**: Limit battery usage for apps that you do not use often.
- **Battery protection**: Set to stop charging when the battery is fully charged or limit the maximum charge to the preset level.
- **Charging settings**: Configure the charging settings.
- **Show battery percentage**: Display the remaining battery percentage on the status bar.
- **Battery information**: Check out battery information.

- The usage time left shows the time remaining before the battery power runs out. Usage time left may vary depending on your device settings and operating conditions.
- You might not receive notifications from some apps that use power saving mode.

Wallpaper and style

Change the wallpaper settings for the Home screen and the locked screen.

On the Settings screen, tap **Wallpaper and style**.

Home screen

Configure settings for the Home screen, such as the screen layout.

On the Settings screen, tap **Home screen**.

Lock screen

Options

Change the settings for the locked screen.

On the Settings screen, tap **Lock screen**.

- **Screen lock type**: Change the screen lock method.
- **Extend Unlock**: Set the device to unlock itself when trusted locations or devices are detected. Refer to Extend Unlock for more information.
- **Secure lock settings**: Change screen lock settings for the selected lock method.
- **Touch and hold to edit**: Set the device to display the editing options when you touch and hold the locked screen.
- **Roaming clock**: Change the clock to show both the local and home time zones on the locked screen when roaming.
- **Widgets**: Change the settings of the items displayed when you tap the clock on the locked screen.
- **About Lock screen**: Check out the Lock screen version and legal information.

- Some features may not be available depending on the carrier or model.
- The available options may vary depending on the screen lock method selected.

Extend Unlock

You can set the device to unlock itself and remain unlocked when trusted locations or devices are detected.

For example, if you have set your home as a trusted location, when you get home your device will detect the location and automatically unlock itself.

On the Settings screen, tap **Lock screen** → **Extend Unlock** and follow the on-screen instructions to complete the setup.

- This feature will be available to use after you set a screen lock method.
- If you do not use your device for four hours or when you turn on the device, you must unlock the screen using the pattern, PIN, or password you set.

Security and privacy

Options

Check the device's security and privacy status and change the settings.

On the Settings screen, tap **Security and privacy**.

- **Lock screen**: Change the settings for the locked screen.
- **Account security**: Change the settings for your accounts.
- **Lost device protection**: Turn the Find My Mobile feature on or off. Access smartthingsfind.samsung.com to track and control your lost or stolen tablet. You can also check the location of the wearable devices connected to this tablet.
- **App security**: Scan apps and keep your device safe from malicious software.
- **Updates**: Check the version of your device's software and check for updates.
- **Biometrics**: Change the settings for biometric data. Refer to Face recognition and Fingerprint recognition for more information.
- **Auto Blocker**: Keep your device safe by blocking threats and other suspicious activity.
- **More security settings**: Configure additional security settings. Refer to Secure Folder, Secure Wi-Fi, and Samsung Pass for more information.
- **Permissions used in last 24 hours**: Check the app or feature's permission usage history.
- **Permission manager**: Allow or disallow apps to access features or data on your device.
- **Additional privacy controls**: Control access to features such as the microphone and clipboard.
- **More privacy settings**: Configure additional privacy settings.

Some features may not be available depending on the carrier or model.

Face recognition

You can set the device to unlock the screen by recognising your face.

- If you use your face as a screen lock method, your face cannot be used to unlock the screen for the first time after turning on the device. To use the device, you must unlock the screen using the pattern, PIN, or password you set when registering the face. Be careful not to forget your pattern, PIN, or password.
- If you change the screen lock method to **Swipe** or **None**, which are not secure, all of your biometric data will be deleted.

Precautions for using face recognition

Before using the face recognition to unlock your device, keep the following precautions in mind.

- Your device could be unlocked by someone or something that looks like your image.
- Face recognition is less secure than Pattern, PIN, or Password.

For better face recognition

Consider the following when using face recognition:

- Consider the conditions when registering, such as wearing glasses, hats, masks, beards, or heavy makeup
- Ensure that you are in a well-lit area and that the camera lens is clean when registering
- Ensure your image is not blurry for better match results

Registering your face

For better face registration, register your face indoors and out of direct sunlight.

1 On the Settings screen, tap **Security and privacy** → **Biometrics** → **Face recognition**.

2 Read the on-screen instructions and tap **Continue**.

3 Set a screen lock method.

4 Position your face inside the frame on the screen.
The camera will scan your face.

- If unlocking the screen with your face is not working properly, tap **Remove face data** to remove your registered face and register your face again.
- To enhance the face recognition, tap **Add alternative appearance to enhance recognition** and add an alternate appearance.

Unlocking the screen with your face

You can unlock the screen with your face instead of using a pattern, PIN, or password.

1 On the Settings screen, tap **Security and privacy** → **Biometrics** → **Face recognition**.

2 Unlock the screen using the preset screen lock method.

3 Tap the **Face unlock** switch to turn it on.

4 On the locked screen, look at the screen.
When your face is recognised, you can unlock the screen without using any additional screen lock method. If your face is not recognised, use the preset screen lock method.

Deleting the registered face data

You can delete face data that you have registered.

1 On the Settings screen, tap **Security and privacy** → **Biometrics** → **Face recognition**.

2 Unlock the screen using the preset screen lock method.

3 Tap **Remove face data** → **Remove**.
Once the registered face is deleted, all the related features will also be turned off.

Fingerprint recognition

In order for fingerprint recognition to function, your fingerprint information needs to be registered and stored in your device.

- This feature may not be available depending on the carrier or model.
- Fingerprint recognition uses the unique characteristics of each fingerprint to enhance the security of your device. The likelihood of the fingerprint sensor confusing two different fingerprints is very low. However, in rare cases where separate fingerprints are very similar the sensor may recognise them as identical.
- Thick or coloured protective film can affect performance. If you use a screen protector, check to make sure it's labeled as compatible with the on-screen fingerprint sensor. (such as screen protectors sold by Samsung)
- If you use your fingerprint as a screen lock method, your fingerprint cannot be used to unlock the screen for the first time after turning on the device. To use the device, you must unlock the screen using the pattern, PIN, or password you set when registering the fingerprint. Be careful not to forget your pattern, PIN, or password.
- If your fingerprint is not recognised, unlock the device using the pattern, PIN, or password you set when registering the fingerprint, and then re-register your fingerprints. If your pattern, PIN, or password is forgotten, you will not be able to use the device if you do not reset it. Samsung is not responsible for any data loss or inconvenience caused by forgotten unlock codes.
- If you change the screen lock method to **Swipe** or **None**, which are not secure, all of your biometric data will be deleted.

For better fingerprint recognition

When you scan your fingerprints on the device, be aware of the following conditions that may affect the feature's performance:

- The device may not recognise fingerprints that are affected by wrinkles or scars.
- The device may not recognise fingerprints from small or thin fingers.
- To improve recognition performance, register the fingerprints of the fingers used most often to perform tasks on the device.

- Your device has a built-in fingerprint recognition sensor at the screen. Ensure that the screen protector or the screen on the fingerprint recognition sensor area is not scratched or damaged by objects, such as coins, keys, pens, and necklaces.
- Ensure that the fingerprint recognition sensor area and your fingers are clean and dry.
- If you bend your finger or use a fingertip, the device may not recognise your fingerprints. Press the screen so that your fingertip spreads over the wide surface of the fingerprint recognition area.

Registering fingerprints

On the Settings screen, tap **Security and privacy** → **Biometrics** → **Fingerprints** and follow the on-screen instructions to register your fingerprint. After registering, you can check whether your fingerprint is registered and its name by tapping **Check added fingerprints**.

Unlocking the screen with your fingerprints

You can unlock the screen with your fingerprint instead of using a pattern, PIN, or password.

1 On the Settings screen, tap **Security and privacy** → **Biometrics** → **Fingerprints**.

2 Unlock the screen using the preset screen lock method.

3 Tap the **Fingerprint unlock** switch to turn it on.

4 On the locked screen, place your finger on the fingerprint recognition sensor and scan your fingerprint.

Recognising your fingerprints with the screen turned off

1 On the Settings screen, tap **Security and privacy** → **Biometrics** → **Fingerprints**.

2 Unlock the screen using the preset screen lock method.

3 Tap the **Fingerprint always on** switch to turn it on.
If you tap the **Tap to show icon when screen off** switch to turn it on, you can set the device to show the fingerprint recognition icon when you tap the screen while the screen is turned off.

Deleting registered fingerprints

You can delete registered fingerprints.

1 On the Settings screen, tap **Security and privacy** → **Biometrics** → **Fingerprints**.

2 Unlock the screen using the preset screen lock method.

3 Select a fingerprint to delete and tap **Remove**.

Secure Folder

Secure Folder protects your private content and apps, such as pictures and contacts, from being accessed by others. You can keep your private content and apps secure even when the device is unlocked.

Secure Folder is a separate, secured storage area. The data in Secure Folder cannot be transferred to other devices through unapproved sharing methods, such as USB or Wi-Fi Direct. Attempting to customise the operating system or modifying software will cause Secure Folder to be automatically locked and inaccessible. Before saving data in Secure Folder, make sure to back up a copy of the data in another secure location.

Setting up Secure Folder

1 Open **Settings** and tap **Security and privacy** → **More security settings** → **Secure Folder**.

2 Follow the on-screen instructions to complete the setup.

When a pop-up window asking whether you want to reset the Secure Folder lock type with your Samsung account appears, tap **Allow**. If you have forgotten the lock type, you can reset it using your Samsung account. If you do not turn on this feature, you cannot reset the lock type when you have forgotten it.

When the setup is complete, the Secure Folder screen will appear and the Secure Folder app icon ( ) will be added to the Apps screen.

- When the **Secure Folder** app is locked, you must unlock it using your preset lock method.
- To change the name or icon of Secure Folder, tap ⋮ → **Customise**.

Setting an auto lock condition for Secure Folder

1 Open the **Secure Folder** app and tap ⋮ → **Settings** → **Auto lock Secure Folder**.

2 Select a lock option.

To manually lock your Secure Folder, tap ⋮ → **Lock and exit**.

Moving content to Secure Folder

Move content, such as pictures and videos, to Secure Folder. The following actions are an example of moving an image from the default storage to Secure Folder.

1 Open the **Secure Folder** app and tap ⋮ → **Add files**.

2 Tap **Images**, tick images to move, and then tap **Done**.

3 Tap **Move**.
The selected items will be deleted from the original folder and moved to Secure Folder. To copy items, tap **Copy**.

The method for moving content may vary depending on the content type.

Moving content from Secure Folder

Move content from Secure Folder to the corresponding app in the default storage. The following actions are an example of moving an image from Secure Folder to the default storage.

1 Open the **Secure Folder** app and tap **Gallery**.

2 Select an image and tap ⋮ → **Move out of Secure Folder**.
The selected items will be moved to **Gallery** in the default storage.

Adding apps

Add an app to use in Secure Folder.

1 Open the **Secure Folder** app and tap +.

2 Tick one or more apps installed on the device and tap **Add**.

Removing apps from Secure Folder

Touch and hold an app to delete, and tap **Uninstall**.

Adding accounts

Add your Samsung and Google accounts, or other accounts, to sync with the apps in Secure Folder.

1 Open the **Secure Folder** app and tap ⋮ → **Settings** → **Manage accounts** → **Add account**.

2 Select an account service.

3 Follow the on-screen instructions to complete the account setup.

Hiding Secure Folder

You can hide the Secure Folder shortcut from the Apps screen.

Open the **Secure Folder** app, tap ⋮ → **Settings**, and then tap the **Add Secure Folder to Apps screen** switch to turn it off.

Alternatively, open the notification panel, swipe downwards, and then tap (**Secure Folder**) to turn off the feature. If you cannot find (**Secure Folder**) on the quick settings panel, tap ✎ → **Edit** and drag the button over to add it.

If you want to show the Secure Folder again, open **Settings**, tap **Security and privacy** → **More security settings** → **Secure Folder**, and then tap the **Add Secure Folder to Apps screen** switch to turn it on.

Uninstalling Secure Folder

You can uninstall Secure Folder, including the content and apps in it.

Open the **Secure Folder** app and tap ⋮ → **Settings** → **More settings** → **Uninstall**.

To back up content before uninstalling Secure Folder, tick **Move media files out of Secure Folder** and tap **Uninstall**. To access data backed up from Secure Folder, open the **My Files** app and tap **Internal storage** → **Download** → **Secure Folder**.

Notes saved in **Samsung Notes** will not be backed up.

Secure Wi-Fi

Secure Wi-Fi is a service that secures your Wi-Fi network connection. It encrypts data using Wi-Fi networks and disables tracking apps and websites so that you can use Wi-Fi networks safely. For example, when using an unsecure Wi-Fi network in public places, such as cafes or airports, Secure Wi-Fi is automatically turned on so that no one can hack your login information or monitor your activity in apps and websites.

On the Settings screen, tap **Security and privacy** → **More security settings** → **Secure Wi-Fi** and follow the on-screen instructions to complete the setup. If you tap **Protection activity**, you can check the history of how and when your network was protected with Secure Wi-Fi.

When Secure Wi-Fi is turned on, the icon will appear on the status bar.

- Using this feature may result in a slower Wi-Fi network speed.
- This feature may not be available depending on the Wi-Fi network, carrier, or model.

Selecting apps to protect using Secure Wi-Fi

Select apps to protect using Secure Wi-Fi so that you can safely protect data, such as your password or your activity in apps, from being accessed by others.

On the Settings screen, tap **Security and privacy** → **More security settings** → **Secure Wi-Fi** → ⋮ → **Settings** → **Protected apps** and tap the switches next to the apps you want to protect using Secure Wi-Fi.

Some apps may not support this feature.

Purchasing protection plan

You are provided with a free protection plan for Wi-Fi networks every month. You can also purchase paid protection plans and have unlimited bandwidth protection for a limited time.

1 On the Settings screen, tap **Security and privacy** → **More security settings** → **Secure Wi-Fi**.

2 Tap **Protection plan** → **Upgrade** and select the plan you want.

For certain protection plans, you can transfer the protection plan to another device signed in to your Samsung account.

3 Follow the on-screen instructions to complete the purchase.

Samsung Pass

Register your biometric data to Samsung Pass and verify your identity when using services which require your login or personal information.

- The website sign-in feature is only available for websites that you access through the **Samsung Internet** app. Some websites may not support this feature.
- Registered biometric data is only saved to your device and is not synced with other devices or servers.

Registering Samsung Pass

Before using Samsung Pass, register your biometric data to Samsung Pass.

On the Settings screen, tap **Security and privacy** → **More security settings** → **Samsung Pass**. Follow the on-screen instructions to complete the setup.

Verifying the Samsung account password

You can use your registered biometric data to verify your identity instead of entering your Samsung account password when, for example, you purchase content from **Galaxy Store**.

On the Samsung Pass main screen, tap ⋮ → **Settings** → **Account and syncing**, and then tap the **Verify with Samsung Pass** switch to turn it on.

Using Samsung Pass to sign in to websites

You can use Samsung Pass to sign in to websites that support ID and password autofill.

1. On the sign-in page of the website, enter your ID and password, and then tap the website's sign-in button.
2. When a pop-up window asking whether you want to save the sign-in information appears, tick **Sign in with Samsung Pass** and tap **Remember**.

Using Samsung Pass to sign in to apps

You can use Samsung Pass to sign in to apps that support ID and password autofill.

1 On the sign-in page of the app, enter your ID and password, and then tap the app's sign-in button.

2 When a pop-up window asking whether you want to save the sign-in information appears, tap **Save**.

Signing in using passkeys

In apps or websites that support sign-in with a passkey, you can sign in with a passkey saved in Samsung Pass instead of an ID and password.

1 On the app or website you are using, create a passkey.

The method for creating a passkey may differ depending on the app or website.

2 When a pop-up window asking whether you want to save the passkey appears, select Samsung Pass.

3 Follow the on screen instructions to save the passkey.

Now you can sign in with the passkey saved in Samsung Pass.

Managing sign-in information

Check out the list of websites and apps you have set to use Samsung Pass and manage your sign-in information.

1 On the Samsung Pass main screen, tap **Apps/websites** and select a website or app from the list.

2 Tap **Edit** and modify your ID, password, and the website's or app's name.

To delete your sign-in information, tap **Delete**.

Using Samsung Pass with websites and apps

When using websites or apps that support Samsung Pass, you can sign in with Samsung Pass.

To check out the list of websites and apps that support Samsung Pass, on the Samsung Pass main screen, tap ⋮ → **Settings** → **Partners**. If there are no websites or apps that support Samsung Pass, **Partners** will not appear.

- Available websites and apps may vary depending on the service provider or model.
- Samsung is not responsible for any loss or inconvenience caused by signing in to websites or apps through Samsung Pass.

Entering your personal information automatically

You can use Samsung Pass to enter your personal information, such as your address or payment card information, on apps that support autofill.

1 On the Samsung Pass main screen, select an option under **Private info**.

2 Enter the information and tap **Save**.
You can now use the biometric data you registered to Samsung Pass when entering the personal information automatically on supported apps.

Deleting your Samsung Pass data

You can delete your biometric data, sign-in information, and app data registered to Samsung Pass.

On the Samsung Pass main screen, tap ⋮ → **Settings** → **Devices using Samsung Pass** → ⋮ → **Leave Samsung Pass**.

- Your Samsung account will remain active.
- The Samsung Pass data on other devices signed in to your Samsung account will also be deleted.

Location

Change settings for location information permissions.

On the Settings screen, tap **Location**.

- **App permissions**: Check the list of apps that have permission to access the device's location and edit the permission settings.
- **Location services**: Set the device to use the Wi-Fi or Bluetooth feature to increase the accuracy of your location information, even when the features are turned off. You can also check the location services your device is using.
- **Recent access**: Check which apps request your current location information.

Safety and emergency

Manage your medical information and emergency contacts. You can also change settings for emergency features, such as wireless emergency alerts.

On the Settings screen, tap **Safety and emergency**.

- **Medical info**: Enter your medical information.
- **Emergency contacts**: Add your emergency contacts.
- **Emergency SOS**: Make an emergency call to the preset number when you press the Side button several times as specified on the settings screen of this feature.
- **Emergency sharing**: Set the device to send information, such as your location or your device's lower battery notifications, to your emergency contacts for a certain period of time.
- **Emergency Location Service**: Turn on the Emergency Location Service (ELS) feature.
- **Wireless emergency alerts**: Change the settings for wireless emergency alerts.
- **Earthquake alerts**: Turn on the earthquake alert feature.

Some features may not be available depending on the region or the model.

Accounts and backup

Options

Sync, back up, or restore your device's data using Samsung Cloud. You can also sign in to accounts, such as your Samsung account or Google Account, or transfer data to or from other devices through Smart Switch.

On the Settings screen, tap **Accounts and backup**.

- **Manage accounts**: Add your Samsung and Google accounts, or other accounts, to sync with.
- **Users**: Set up additional user accounts for other users to use the device with personalised settings, such as email accounts, wallpaper preferences, and more. Refer to Users for more information.
- **Samsung Cloud**: Back up your data and settings, and restore the previous device's data and settings even when you do not have it. Refer to Samsung Cloud for more information.
- **Google Drive**: Keep your personal information, app data, and settings safe on your device. You can back up your sensitive information. You must sign in to your Google Account to back up data.
- **Smart Switch**: Open Smart Switch and transfer data from your previous device. Refer to Transferring data from your previous device (Smart Switch) for more information.

Regularly back up your data to a safe location, such as Samsung Cloud or a computer, so that you can restore it if the data is damaged or lost because of an unintended factory data reset.

Users

Set up additional user accounts for other users to use the device with personalised settings, such as email accounts, wallpaper preferences, and more.

Following types of user accounts are available:

- **Administrator**: The administrator account is created only when setting up the device for the first time, and cannot be created more than one. This account has full control of the device including user account management. You can add or delete user accounts only when using this account.
- **Guest**: A guest account can access the device, but information and data used during a guest session is temporarily stored. Each time you use this account, you are asked whether to continue the previous guest session or reset it.
- **New user**: A user account can access its own apps and content, and customise the device settings that affect all accounts.
- **New profile**: A restricted account can only access the apps and content allowed by the administrator account, and cannot use the services that require logging in. (Wi-Fi models)

Adding users

1 On the Settings screen, tap **Accounts and backup** → **Users**.

2 Tap **Add user** / **Add user or profile** and follow the on-screen instructions to set up a user account.

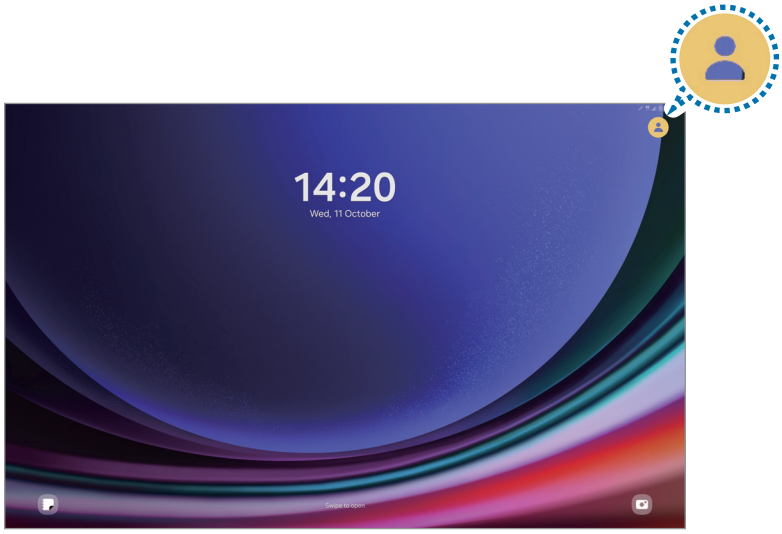
Adding restricted profiles (Wi-Fi models)

1 On the Settings screen, tap **Accounts and backup** → **Users**.

2 Tap **Add user or profile** → **Restricted profile** and follow the on-screen instructions to set up a user account.

Switching users

Tap the user account icon at the top of the locked screen and select an account to switch to.



Locked screen

Managing users

When using the administrator account, you can delete accounts or change account settings.

On the Settings screen, tap **Accounts and backup** → **Users**.

To delete a user account, tap the user account you want to delete and tap **Delete user**.

To change account settings, tap user account and change the settings.

Samsung Cloud

Back up your device's data to Samsung Cloud and restore it later.

Backing up data

You can back up your device's data to Samsung Cloud.

1 On the Settings screen, tap **Accounts and backup** and tap **Back up data** under **Samsung Cloud**.

2 Tap the switches next to the items you want to back up and tap **Back up now**.

3 Tap **Done**.

- Some data will not be backed up. To check which data will be backed up, on the Settings screen, tap **Accounts and backup** and tap **Back up data** under **Samsung Cloud**.
- To check the backup data for other devices in your Samsung Cloud, on the Settings screen, tap **Accounts and backup** → **Restore data**, and then select a device you want.

Restoring data

You can restore your backup data from Samsung Cloud to your device.

1 On the Settings screen, tap **Accounts and backup**.

2 Tap **Restore data** and select a device you want.

3 Tick items you want to restore and tap **Restore**.

Google

Configure settings for some features provided by Google.

On the Settings screen, tap **Google**.

Advanced features

Options

Turn on advanced features and change the settings that control them.

On the Settings screen, tap **Advanced features**.

- **Bixby**: Bixby is a user interface that helps you use your device more conveniently. Refer to Bixby for more information.
- **Smart suggestions**: Set the device to analyse key information in the selected text or received message, such as events and addresses, and suggest that they be added as events to the calendar or to use related apps. You can also get suggestions for useful actions or text to enter based on your app usage history.

  Collected information is stored and used only in this device to protect your personal information.
- **Labs**: Use new features of the device.
- **S Pen**: Change the settings for using the S Pen. Refer to S Pen for more information.
- **Side button**: Select an app or feature to launch using the Side button. Refer to Setting the Side button for more information.
- **Multi window**: Set how to launch Multi window. You can also configure settings for Multi window. Refer to Multi window for more information.
- **Motions and gestures**: Turn on the motion feature and configure settings. Refer to Motions and gestures for more information.
- **Screenshots and screen recordings**: Change the settings for screenshots and screen recorder.
- **Show contacts when sharing content**: Set the device to display the people you contacted on the sharing options panel so that you can share content directly.
- **Daily Board**: Set the device to show a slideshow with selected features while charging. Refer to Daily Board for more information.
- **Accessories**: Change the accessory settings.
- **Video call effects**: Set to use various effects such as changing the background during video calls. Refer to Video call effects for more information.

  This feature is only available in some apps.

- **Video brightness**: Increase the screen brightness and make colours more vibrant when you play videos.

  This feature may not be available in some apps.

- **Dual Messenger**: Install the second app and use two separate accounts for the same messenger app. Refer to Dual Messenger for more information.

Some features may not be available depending on the carrier or model.

Motions and gestures

Turn on the motion feature and configure settings.

On the Settings screen, tap **Advanced features** → **Motions and gestures**.

- **Double tap to turn on screen**: Set the device to turn on the screen by double tapping anywhere on the screen while the screen is turned off.
- **Double tap to turn off screen**: Set the device to turn off the screen by double tapping an empty area on the Home screen or the locked screen.
- **Cover screen to mute**: Set the device to mute certain sounds by using motions or gestures.
- **Palm swipe to capture**: Set the device to capture a screenshot when you swipe your hand to the left or right across the screen. You can check the captured images in **Gallery**. It is not possible to capture a screenshot while using some apps and features.

Excessive shaking or an impact to the device may cause an unintended input for some features using sensors.

Video call effects

You can use various features such as changing the background during video calls.

On the video calling app's screen, open the notification panel, swipe downwards, and then tap **Video call effects**.

- ↺ : Reset the settings.
- ⚙ : Select or add background colours or images to use during video calls.
- **Background**: Change or blur the background during video calls.
- **Face**: Apply beauty effects to the face.

- **Colour tone**: Adjust the screen's colour tone and brightness.
- **Auto framing**: Turn the auto framing feature on or off. When you turn on this feature, the device changes the shooting angle and zoom automatically by recognising and tracking people during video calls.

- Some features may not be available depending on the model.
- Some features are available only when using the front camera.

Dual Messenger

Install the second app and use two separate accounts for the same messenger app.

1 On the Settings screen, tap **Advanced features** → **Dual Messenger**.
Supported apps will appear.

2 Tap the switch of an app to install the second app.
The second app will be installed. The second app's icon will be displayed with .

- The Dual Messenger feature may not be available depending on the app.
- Some features of the app may be limited for the second app.

Uninstalling a second app

1 On the Settings screen, tap **Advanced features** → **Dual Messenger**.

2 Tap the switch of the app you want to uninstall and tap **Uninstall**.
All data related to the second app will be deleted.

If you uninstall the first app, the second app will also be deleted.

Digital Wellbeing and parental controls

Check the history of your device usage and use features to prevent your device from interfering with your life. You can also set up parental controls for your children and manage their digital use.

On the Settings screen, tap **Digital Wellbeing and parental controls**.

- **Most used apps**: Check out the list of the most used apps for a day.
- **Screen time goal**: Set goals for how much you use your device a day.
- **App timers**: Limit the daily usage time for each app by setting a timer. When you reach the limit, the app will be turned off and you cannot use it.
- **Driving monitor**: Turn on the driving monitor to monitor the amount of the time you use your device while driving.
- **Walking monitor**: Turn on the walking monitor to monitor the amount of the time you use your device while walking.
- **Volume monitor**: Turn on the volume monitor to protect your hearing.
- **Parental controls**: Manage your children's digital use.

Device care

The device care feature provides an overview of the status of your device's battery, storage, memory, and system security. You can also optimise the device.

On the Settings screen, tap **Device care**.

- **Optimise now**: Close apps running in the background or using an abnormal amount of battery and scan for crashed apps and malware to optimise your device.
- **Battery**: Check the remaining battery power and time to use the device. For devices with low battery levels, conserve battery power by turning on power saving features. Refer to Battery for more information.

- **Storage**: Check the status of used and available storage and free up storage by deleting unnecessary files, such as the files in the recycle bin, unused files, or duplicated files after checking them.

  - The actual available capacity of the internal storage is less than the specified capacity because the operating system and default apps occupy part of the storage. The available capacity may change when you update the device.
  - You can check the available capacity of the internal storage in the Specification section for your device on the Samsung website.
- **Memory**: Check memory usage or tap **Clean now** to free up memory by stopping background apps.
- **App protection**: Scan your device for malware and other suspicious activity to stay safe.
- **Auto optimisation**: Perform auto optimisation by closing background apps or cleaning up memory, to keep the device running in its best condition.

  Tap **Auto restart** to set the device to restart automatically when performance issues are detected or at a time you set.
- **Software update**: Update your device's software through the firmware over-the-air (FOTA) service. You can also schedule software updates.
- **Diagnostics**: Test your device using Samsung Members.
- **Maintenance mode**: Turn on maintenance mode to protect your privacy while someone else is using your device, such as when you send it for repairs.

Apps

Manage the device's apps and change their settings. You can check the apps' usage information, change their notification or permission settings, or uninstall or disable unnecessary apps.

On the Settings screen, tap **Apps**.

General management

Customise your device's system settings or reset the device.

On the Settings screen, tap **General management**.

- **Language**: Select device languages. Refer to Adding device languages for more information.
- **App languages**: Select the language you want to use for each app.
- **Language packs**: Manage or download language packs for voice input, the text-to-speech feature, and translation.
- **Date and time**: Access and alter the settings to control how the device displays the time and date.

  If the battery remains fully discharged, the time and date is reset.
- **Samsung Keyboard settings**: Change the settings for the Samsung Keyboard.
- **Keyboard list and default**: Select a keyboard to use by default and change the keyboard settings.
- **Physical keyboard**: Change the settings for an external keyboard.
- **Mouse and trackpad**: Change the settings for an external mouse or trackpad.
- **Passwords, passkeys, and autofill**: Change your preferred service or manage all services for passwords, passkeys, and autofill.
- **Reset**: Reset your device's settings or perform a factory data reset.
- **Customisation Service**: Set to get personalised service based on your interests and how you use your device.
- **Contact us**: Ask questions or check the frequently asked questions.

Adding device languages

You can add languages to use on your device.

1 On the Settings screen, tap **General management** → **Language** → **Add language**.

2 Select a language to add.

3 To set the selected language as the default language, tap **Set as default**. To keep the current language setting, tap **Keep current**.
The selected language will be added to your languages list. If you changed the default language, the selected language will be added to the top of the list.

To change the default language from your languages list, select the language you want and tap **Apply**. If an app does not support the default language, the next supported language in the list will be used.

Accessibility

Configure various settings to improve accessibility to the device.

On the Settings screen, tap **Accessibility**.

- **Recommended for you**: Check the accessibility features you are currently using and check other recommended features.
- **Vision enhancements**: Customise the settings to improve accessibility for visually impaired users.
- **TalkBack**: Turn on TalkBack, which provides voice feedback. To check help information to learn how to use this feature, tap **Settings** → **Tutorial and help**.
- **Hearing enhancements**: Customise the settings to improve accessibility for users with hearing impairment.
- **Interaction and dexterity**: Customise the settings to improve accessibility for users who have reduced dexterity.
- **Advanced settings**: Configure settings for Direct access and notification features.
- **Installed apps**: Check out accessibility services installed on the device.
- **About Accessibility**: Check the Accessibility information.
- **Contact us**: Ask questions or check frequently asked questions.

Software update

Update your device's software through the firmware over-the-air (FOTA) service. You can also schedule software updates.

On the Settings screen, tap **Software update**.

- **Download and install**: Check for and install updates manually.
- **Auto download over Wi-Fi**: Set the device to download updates automatically when connected to a Wi-Fi network.
- **Last update**: Check out information about the last software update.

If emergency software updates are released for your device's security and to block new types of security threats, they will be installed automatically without your agreement.

Security updates information

Security updates are provided to strengthen the security of your device and protect your personal information. For security updates for your model, visit security.samsungmobile.com.

The website supports only some languages.

About tablet

Access your device's information.

On the Settings screen, tap **About tablet**.

To change your device's name, tap **Rename**.

- **Status information**: Check out various device information, such as the Wi-Fi MAC address and serial number.
- **Legal information**: Access legal information related to the device, such as safety information and the open source licence.
- **Software information**: Access the device's software information, such as its operating system version and firmware version.
- **Battery information**: Check out battery information.

Usage notices

Precautions for using the device

Please read this guide when using the device to ensure safe and proper use.

- Descriptions are based on the device's default settings.
- Some content may differ from your device depending on the region, service provider, model specifications, or device's software.
- The device may require a connection to a Wi-Fi or mobile network when using some apps or features.
- Content (high quality content) that requires high CPU and memory usage will affect the overall performance of the device. Apps related to the content may not work properly depending on the device's specifications and the environment that it is used in.
- Samsung is not liable for performance issues caused by apps supplied by providers other than Samsung.
- Samsung is not liable for performance issues or incompatibilities caused by edited registry settings or modified operating system software. Attempting to customise the operating system may cause the device or apps to work improperly.
- Software, sound sources, wallpapers, images, and other media provided with this device are licensed for limited use. Extracting and using these materials for commercial or other purposes is an infringement of copyright laws. Users are entirely responsible for illegal use of media.
- You may incur additional charges for data services, such as messaging, uploading and downloading, auto-syncing, or using location services depending on your data plan. For large data transfers, it is recommended to use the Wi-Fi feature.
- Default apps that come with the device are subject to updates and may no longer be supported without prior notice.
- Modifying the device's operating system or installing software from unofficial sources may result in device malfunctions and data damage or loss. These actions are violations of your Samsung licence agreement and will void your warranty.

- You can see the screen clearly even in strong outdoor sunlight by automatically adjusting the contrast range based on the surrounding environment. Because of the nature of the product, displaying fixed graphics for extended periods may result in afterimages (screen burn-in) or ghosting.
  - It is recommended not to use fixed graphics on part or all of the screen for extended periods and turn off the screen when not using the device.
  - You can set the screen to turn off automatically when you are not using it. Open **Settings**, tap **Display** → **Screen timeout**, and then select the length of time you want the device to wait before turning off the screen.
  - To set the screen to automatically adjust its brightness based on the surrounding environment, open **Settings**, tap **Display**, and then tap the **Adaptive brightness** switch to turn it on.
- Depending on the region or model, some devices are required to receive approval from the Federal Communications Commission (FCC).

  If your device is approved by the FCC, you can check out the FCC ID of the device. To access the FCC ID, open **Settings** and tap **About tablet** → **Status information**. If your device does not have an FCC ID, it means that the device has not been authorised for sale in the U.S. or its territories and may only be brought to the U.S. for the owner's personal use.
- Depending on the region, you can check out the regulatory information on the device. To access the information, open **Settings** and tap **About tablet** → **Regulatory information**.
- The bandwidths supported by the device may vary depending on the region or carrier.
- 5G network availability may vary depending on the model, country, network provider, and user environment.
- Your device contains magnets. Keep it away from credit cards, implanted medical devices, and other devices that may be affected by magnets. In the case of medical devices, keep your device more than 15 cm apart. Stop using your device if you suspect any interference with your medical device and consult your physician or your medical device manufacturer.

Instructional icons

Warning: situations that could cause injury to yourself or others

Caution: situations that could cause damage to your device or other equipment

Notice: notes, usage tips, or additional information

Notes on package contents and accessories

Refer to the quick start guide for package contents.

- The items supplied with the device and any available accessories may vary depending on the region or carrier.
- The supplied items are designed only for this device and may not be compatible with other devices.
- Appearances and specifications are subject to change without prior notice.
- You can purchase additional accessories from your local Samsung retailer. Make sure they are compatible with the device before purchase.
- Use Samsung-approved accessories. Using unapproved accessories may cause the performance problems and malfunctions that are not covered by the warranty.
- Availability of all accessories is subject to change depending entirely on manufacturing companies. For more information about available accessories, refer to the Samsung website.
- Headphones (USB Type-C) that support digital output can be used with the device. However, the device may not be compatible with headphones that use a different audio output method or were made by a different manufacturer.
- The included USB cable supports up to 3A charging. Charger not included. For optimal charging performance, use an official Samsung 45W charger and a compatible USB cable, which are sold separately.
- For environmental reasons, this package does not include a charger. This device can be powered with most USB power adapters and a cable with a USB Type-C plug.

Maintaining water and dust resistance

Your device is water- and dust-resistant and meets the following international standards.

- IP68 water resistance rating certification: According to the requirements of the IEC 60529 standard, it was tested in 15-35 °C, 86-106 kPa, 1.5 m fresh water for 30 minutes without moving.

You must follow the guidelines to maintain the water- and dust-resistance of your device.

- Do not expose the device to swimming pool water or sea water.
- If the device is exposed to unclean water or other liquids, such as soapy water, oil, perfume, sunscreen, hand cleaner, chemical products such as cosmetics, or liquids that include the alcohol, clean the device with fresh water that does not flow, wipe it with a soft and clean cloth, and then dry it thoroughly before use to maintain the water resistance.
- Do not expose the device to water moving with force. A sudden rise in the water pressure may exceed the guaranteed level of water resistance.
- In places, such as a sauna or steam room, the water-resistant performance may be damaged because of sudden changes in the temperature.
- If the device is subjected to an external shock or is damaged, its water resistance may decrease.

If the device is exposed to water or pollutants, follow the guidelines:

- Wipe the device with a soft and clean cloth, and then dry it thoroughly.
- If the microphone or speaker is not completely dry, it may result in the sound not being clear during a call.
- The screen and other features may not work properly if the device is used in water.
- Do not connect the charger or any accessories until the device is completely dry. The device can be damaged if an accessory or charger is connected when the multipurpose jack is not yet dry.

The water and dust resistance of your Samsung Galaxy device is not permanent and may diminish over time because of normal wear and tear.

Device overheating situations and solutions

When the device heats up while charging the battery

While charging, the device and the charger may become hot. During wireless charging or fast charging, the device may feel hotter to the touch. This does not affect the device's lifespan or performance and is in the device's normal range of operation. If the battery becomes too hot, the charging speed may decrease or the charger may stop charging.

Do the following when the device heats up:

- Disconnect the charger from the device and close any running apps. Wait for the device to cool down and then begin charging the device again.
- If the lower part of the device overheats, it could be because the connected USB cable is damaged. Replace the damaged USB cable with a new Samsung-approved one.
- When using a wireless charger, do not place foreign materials, such as metal objects, magnets, and magnetic stripe cards, between the device and the wireless charger.

The wireless charging or fast charging feature is only available on supported models.

When the device heats up during use

When you use features or apps that require more power or use them for extended periods, your device may temporarily heat up because of increased battery consumption. Close any running apps and do not use the device for a while.

Refer to the following examples of situations in which the device may overheat.

- During the initial setup after purchase or when restoring data
- When downloading large files

- When using apps that require more power or using apps for extended periods
  - When playing high-quality games for extended periods
  - When recording videos for extended periods
  - When streaming videos while using the maximum brightness setting
  - When connecting to a TV
- While multitasking (or, when running many apps in the background)
  - When using Multi window
  - When updating or installing apps while recording videos
  - When downloading large files during a video call
  - When recording videos while using a navigation app
- When using large amount of data for syncing with the cloud, email, or other accounts
- When using a navigation app in a car while the device is placed in direct sunlight
- When using the Mobile Hotspot and Tethering feature
- When using the device in areas with weak signals or no reception
- When charging the battery with a damaged USB cable
- When the device's multipurpose jack is damaged or exposed to foreign materials, such as liquid, dust, metal powder, and pencil lead
- When you are roaming

Do the following when the device heats up:

- Keep the device updated with the latest software.
- Conflicts between running apps may cause the device to heat up. Restart the device.
- Turn off the Wi-Fi, GPS, and Bluetooth features when not using them.
- Close apps that increase battery consumption or that run in the background when not in use.
- Delete unnecessary files or unused apps.
- Decrease the screen brightness.
- If the device overheats or feels hot for a prolonged period, do not use it for a while. If the device continues to overheat, contact a Samsung Service Centre or an authorised service centre.

Precautions for device overheating

If you begin to feel uncomfortable because of the device overheating, stop using the device.

When the device heats up, the features and performance may be limited or the device may turn off to cool down. The feature is only available on supported models.

- If the device overheats, the screen brightness, the screen refresh rate, and the performance speed will be limited to lower the device's temperature. Even if the battery charging indicator icon appears, charging may be slow. When charging stops because of a rise in the device's temperature, the battery indicator icon will blink.
- If the device reaches a certain temperature, a warning message will appear to prevent device failure, skin irritation and damage, and battery leakage. Running apps will be closed and all calling and other features will be limited, except for emergency calls, until the device cools down.
- If the second message appears because of a further increase of the device's temperature, the device will turn off. Do not use the device until the device's temperature is within the recommended operating temperature range. If the second warning message appears during an emergency call, the call will not be disconnected by a forced termination.

Recommended operating temperature range

The device's recommended operating temperature is between 0 °C to 35 °C. Using the device outside of the recommended temperature range may damage the device or reduce the battery's lifespan.

Precautions for operating environment

Your device may heat up because of the environment in the following conditions. Use caution to avoid shortening the battery's lifespan, damaging the device, or causing a fire.

- Do not store your device in very cold or very hot temperatures.
- Do not expose your device to direct sunlight for extended periods.
- Do not use or store your device for extended periods in very hot areas, such as inside a car in the summertime.
- Do not place the device in any areas that may overheat, such as on an electric heating mat.
- Do not store your device near or in heaters, microwaves, hot cooking equipment, or high pressure containers.
- Do not use a cable whose covering is peeled off or damaged, and do not use any charger or battery that is damaged or malfunctioning.

Appendix

Troubleshooting

Before contacting a Samsung Service Centre or an authorised service centre, please attempt the following solutions. Some situations may not apply to your device.

You can also use Samsung Members to solve any problems you might encounter while using your device.

When you turn on your device or while you are using the device, it prompts you to enter one of the following codes:

- Password: When the device lock feature is turned on, you must enter the password you set for the device.
- PIN: When using the device for the first time or when the PIN requirement is turned on, you must enter the PIN supplied with the SIM or USIM card. You can turn off this feature by using the Lock SIM card menu.
- PUK: Your SIM or USIM card is blocked, usually as a result of entering your PIN incorrectly several times. You must enter the PUK supplied by your carrier.
- PIN2: When you access a menu requiring the PIN2, you must enter the PIN2 supplied with the SIM or USIM card. For more information, contact your carrier.

Your device displays network or service error messages

- When you are in areas with weak signals or poor reception, you may lose reception. Move to another area and try again. While moving, error messages may appear repeatedly.
- Please note that models with the appendix “UD,” if purchased in Germany, cannot receive signals in LTE TDD bands in the following countries: Belgium, Denmark, Germany, France, Luxemburg, Netherlands, Austria, Poland, Switzerland, Czech Republic. If you are in an LTE TDD-only service area, you may lose reception. Move to another area and try again.
- You cannot access some options without a subscription. For more information, contact your carrier.

Your device does not turn on

When the battery is completely discharged, your device will not turn on. Fully charge the battery before turning on the device.

Touch recognition works slowly or improperly

- Touch recognition may not work properly in the following situations:
  - If you attach a screen protector or optional accessories to the screen
  - If you are wearing gloves, if your hands are not clean while touching the screen, or if you tap the screen with a sharp object or your fingertips
  - In humid conditions or when exposed to water
- Restart your device to clear any temporary software problems.
- Ensure that your device software is updated to the latest version.
- If the screen is scratched or damaged, visit a Samsung Service Centre or an authorised service centre.

Your device freezes or encounters a fatal problem

Try the following solutions. If the problem is still not resolved, contact a Samsung Service Centre or an authorised service centre.

Restarting the device

If your device freezes or hangs, you may need to close apps or turn off the device and turn it on again.

Forcing restart

If your device is frozen and unresponsive, press and hold the Side button and the Volume Down button simultaneously for more than 7 seconds to restart it.

Resetting the device

If these methods do not solve your problem, perform a factory data reset.

Open **Settings** and tap **General management** → **Reset** → **Factory data reset** → **Reset** → **Delete all**. Before performing the factory data reset, remember to make backup copies of all important data stored in the device.

Calls are not connected

- Ensure that you have accessed the right cellular network.
- Ensure that you have not set call barring for the phone number you are dialling.
- Ensure that you have not set call barring for the incoming phone number.

Others cannot hear you speaking on a call

- Ensure that you are not covering the built-in microphone.
- Ensure that the microphone is close to your mouth.
- If you are using headphones, ensure that they are properly connected.

Sound echoes during a call

Adjust the volume by pressing the Volume button or move to another area.

A cellular network or the internet is often disconnected or audio quality is poor

- Ensure that you are not blocking the device's internal antenna.
- When you are in areas with weak signals or poor reception, you may lose reception. You may have connectivity problems because of issues with the carrier's base station. Move to another area and try again.
- When using the device while moving, wireless network services may be disabled because of issues with the carrier's network.

The battery does not charge properly (For Samsung-approved chargers)

- Ensure that the charger is connected properly.
- Visit a Samsung Service Centre or an authorised service centre and have the battery replaced.

The battery depletes faster than when first purchased

- When you expose the device or the battery to very cold or very hot temperatures, the useful charge may be reduced.
- Battery consumption will increase when you use certain features or apps, such as GPS, games, or the internet.
- The battery is consumable and the useful charge will get shorter over time.

Error messages appear when opening the camera

Your device must have sufficient available storage and battery power to operate the camera app. If you receive error messages when opening the camera, try the following:

- Charge the battery.
- Free some storage by transferring files to a computer or deleting files from your device.
- Restart the device.

If you are still having trouble with the camera app after trying these tips, contact a Samsung Service Centre or an authorised service centre.

Picture quality is poorer than the preview

- The quality of your pictures may vary, depending on the surroundings and the photography techniques you use.
- If you take pictures in dark areas, at night, or indoors, image noise may occur or images may be out of focus.

Error messages appear when opening multimedia files

If you receive error messages or multimedia files do not play when you open them on your device, try the following:

- Free some storage by transferring files to a computer or deleting files from your device.
- Ensure that the music file is not Digital Rights Management (DRM)-protected. If the file is DRM-protected, ensure that you have the appropriate licence or key to play the file.

- Ensure that the file formats are supported by the device. If a file format is not supported, such as DivX or AC3, install an app that supports it. To check the file formats that your device supports, visit the Samsung website.
- Your device supports pictures and videos captured with the device. Pictures and videos captured by other devices may not work properly.
- Your device supports multimedia files that are authorised by your carrier or providers of additional services. Some content circulated on the internet, such as ringtones, videos, or wallpapers, may not work properly.

Bluetooth is not working well

If another Bluetooth device is not located or there are connection problems or performance malfunctions, try the following:

- Ensure that the device you wish to connect with is ready to be scanned or connected to.
- Ensure that your tablet and the other Bluetooth device are within the maximum Bluetooth range (10 m).
- On your tablet, open **Settings**, tap **Connections**, and then tap the **Bluetooth** switch to turn it on again.
- On your tablet, open **Settings**, tap **General management** → **Reset** → **Reset Wi-Fi and Bluetooth settings** → **Reset settings** to reset network settings. You may lose registered information when performing the reset.

If these tips do not solve the problem, contact a Samsung Service Centre or an authorised service centre.

A connection is not made when you connect the device to a computer

- Ensure that the USB cable you are using is compatible with your device.
- Ensure that you have the proper driver installed and updated on your computer.

Your device cannot find your current location

GPS signals may be obstructed in some locations, such as indoors. Set the device to use Wi-Fi or a mobile network to find your current location in these situations.

Data stored in the device has been lost

Always make backup copies of all important data stored in the device. Otherwise, you cannot restore data if it is damaged or lost. Samsung is not responsible for the loss of data stored in the device.

A small gap appears around the outside of the device case

- This gap is a necessary manufacturing feature and some minor rocking or vibration of parts may occur.
- Over time, friction between parts may cause this gap to expand slightly.

There is not enough space in the device's storage

Delete unnecessary data, such as cache, using the device care feature or manually delete unused apps or files to free up storage space.

The Home button does not appear

The navigation bar containing the Home button may disappear while using certain apps or features. To access the navigation bar, drag upwards from the bottom of the screen.

Removing the battery

- **To remove the battery, contact an authorised service centre. To obtain battery removal instructions, please visit www.samsung.com/global/ecodesign_energy.**
- For your safety, you **must not attempt to remove** the battery. If the battery is not properly removed, it may lead to damage to the battery and device, cause personal injury, and result in the device being unsafe.
- Samsung does not accept liability for any damage or loss (whether in contract or tort, including negligence) which may arise from failure to precisely follow these warnings and instructions, other than death or personal injury caused by Samsung's negligence.

Health and Safety

Please read this important safety information before you use the device. It contains general safety information for devices and may include content that does not apply to your device. Follow the warning and caution information to prevent injury to yourself or others and to prevent damage to your device.

The term 'device' refers to the product and its battery, charger, the items supplied with the product, and any Samsung-approved accessories used with the product.

Warning: Failure to comply with safety warnings and regulations can cause serious injury or death.

Do not use damaged power cords or plugs, or loose electrical sockets

Unsecured connections can cause electric shock or fire.

Do not touch the device, power cords, plugs, or the electric socket with wet hands or other wet body parts

Doing so may cause electric shock.

Do not pull the power cord excessively when disconnecting it

Doing so may cause electric shock or fire.

Do not bend or damage the power cord

Doing so may cause electric shock or fire.

Do not use the device with wet hands while the device is charging

Doing so may cause electric shock.

Do not directly connect together the charger's positive and negative terminals

Doing so may cause fire or serious injury.

Do not use your device outdoor during a thunderstorm

Doing so may result in electric shock or device malfunction.

Use manufacturer-approved batteries, chargers, accessories, and supplies

- Using generic batteries or chargers may shorten the life of your device or cause the device to malfunction. They may also cause a fire or cause the battery to explode.
- Only use a Samsung-approved battery and charger specifically designed for your device. An incompatible battery or charger can cause serious injuries or damage to your device.
- Samsung cannot be responsible for the user's safety when using accessories or supplies that are not approved by Samsung.

Do not carry your device in your back pockets or on your waist

- The device may be damaged, explode, or result in a fire if too much pressure is applied to it.
- You may be injured if you are bumped or fall.

Do not drop or cause an impact to the charger or the device

Handle and dispose of the device and charger with care

- Never dispose of the battery or device in a fire. Never place the battery or device on or in heating devices, such as microwave ovens, stoves, or radiators. The device may explode when overheated. Follow all local regulations when disposing of used battery or device.
- Never crush or puncture the device.
- Avoid exposing the device to high external pressure, which can lead to an internal short circuit and overheating.

Protect the device, battery and charger from damage

- Avoid exposing your device and battery to very cold or very hot temperatures.
- Extreme temperatures can damage the device and reduce the charging capacity and life of your device and battery.
- Do not directly connect together the battery's positive and negative terminals and prevent them from coming into contact with metal objects. Doing so may cause the battery to malfunction.
- Never use a damaged charger or battery.

Do not store your device near or in heaters, microwaves, hot cooking equipment, or high pressure containers

- The battery may leak.
- Your device may overheat and cause a fire.

Do not use or store your device in areas with high concentrations of dust or airborne materials

Dust or foreign materials can cause your device to malfunction and may result in fire or electric shock.

Prevent the multipurpose jack and the small end of the charger from contact with conductive materials, such as liquids, dust, metal powders, and pencil leads. Do not touch the multipurpose jack with sharp tools or cause an impact to the multipurpose jack

Conductive materials may cause a short circuit or corrosion of the terminals, which may result in an explosion or fire.

When using the wireless charger, do not place foreign materials, such as metal objects, magnets, and magnetic stripe cards, between the device and the wireless charger

The device may not charge properly or may overheat.

Do not bite or suck the device or the battery

- Doing so may damage the device or result in an explosion or fire.
- Children or animals can choke on small parts.
- If children use the device, make sure that they use the device properly.

Do not insert the device or supplied accessories into the eyes, ears, or mouth

Doing so may cause suffocation or serious injuries.

Do not handle a damaged or leaking Lithium Ion (Li-Ion) battery

For safe disposal of your Li-Ion battery, contact your nearest authorized service centre.

Caution: Failure to comply with safety cautions and regulations can cause injury or property damage

Do not use your device near other electronic devices

- Most electronic devices use radio frequency signals. Your device may interfere with other electronic devices.

Do not use your device in a hospital, on an aircraft, or in automotive equipment that can be interfered with by radio frequency

- Avoid using your device within a 15 cm range of a pacemaker, if possible, as your device can interfere with the pacemaker.
- To minimize possible interference with a pacemaker, use your device only on the side of your body that is opposite the pacemaker.
- If you use medical equipment, contact the equipment manufacturer before using your device to determine whether or not the equipment will be affected by radio frequencies emitted by the device.
- Electronic devices in your car may malfunction due to radio interference from your device. Contact the manufacturer for more information.

Do not expose the device to heavy smoke or fumes

- Doing so may damage the outside of the device or cause it to malfunction.

If you use a hearing aid, contact the manufacturer for information about radio interference

The radio frequency emitted by your device may interfere with some hearing aids. Before using your device, contact the manufacturer to determine whether or not your hearing aid will be affected by radio frequencies emitted by the device.