

## Using Bixby

When you say what you want to Bixby, Bixby will launch corresponding functions or show the information you requested.

While pressing and holding the Power key, say what you want to Bixby, and then release your finger from the key when you are finished speaking. Alternatively, say “Hi, Bixby”, and when the device emits a sound, say what you want.

For example, while pressing and holding the Power key, say “How’s the weather today?” The weather information will appear on the screen.

If you want to know the weather tomorrow, while pressing and holding the Power key, just say “Tomorrow?” Because Bixby understands the context of the conversation, it will show you tomorrow’s weather.



If Bixby asks you a question during a conversation, while pressing and holding the Power key, answer Bixby. Or, tap  and answer Bixby.

If you are using headphones or Bluetooth audio, or start a conversation by saying “Hi, Bixby”, you can continue the conversation without tapping the icon. Launch the **Bixby** app and tap  → **Settings** → **Automatic listening** → **Hands-free only**.

## Waking up Bixby using your voice

You can start a conversation with Bixby by saying “Hi, Bixby”. Register your voice so that Bixby will respond to your voice when you say “Hi, Bixby”.

**1** Launch the **Bixby** app and tap  → **Settings** → **Voice wake-up**.

**2** Tap the **Wake with “Hi, Bixby”** switch to activate it.

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

Now you can say “Hi, Bixby”, and when the device emits a sound, start a conversation.

## Communicating by typing text

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

Launch 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 usages

### Launching apps or services

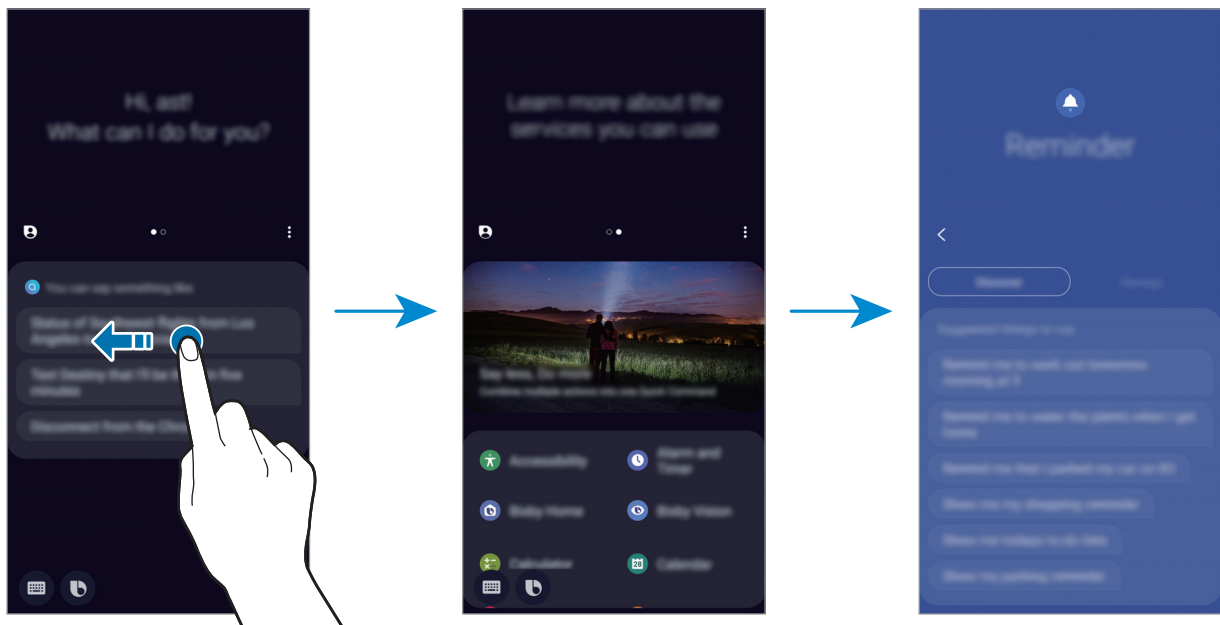
You can launch features quickly via Bixby. You can also use various convenient services, such as ordering coffee or searching for nearby restaurants or hotels and making a reservation.

For example, while pressing and holding the Power key, say “Call mom”, and then release your finger from the Power key. Bixby will now make a call to the contact saved as mom.

### Viewing more ways to use Bixby

To view more ways to use Bixby, launch the **Bixby** app, and then swipe to the left on the screen.

You can check out services supported by Bixby and examples of commands.



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

## Additional Bixby functions

### Waking up Bixby while using the speaker

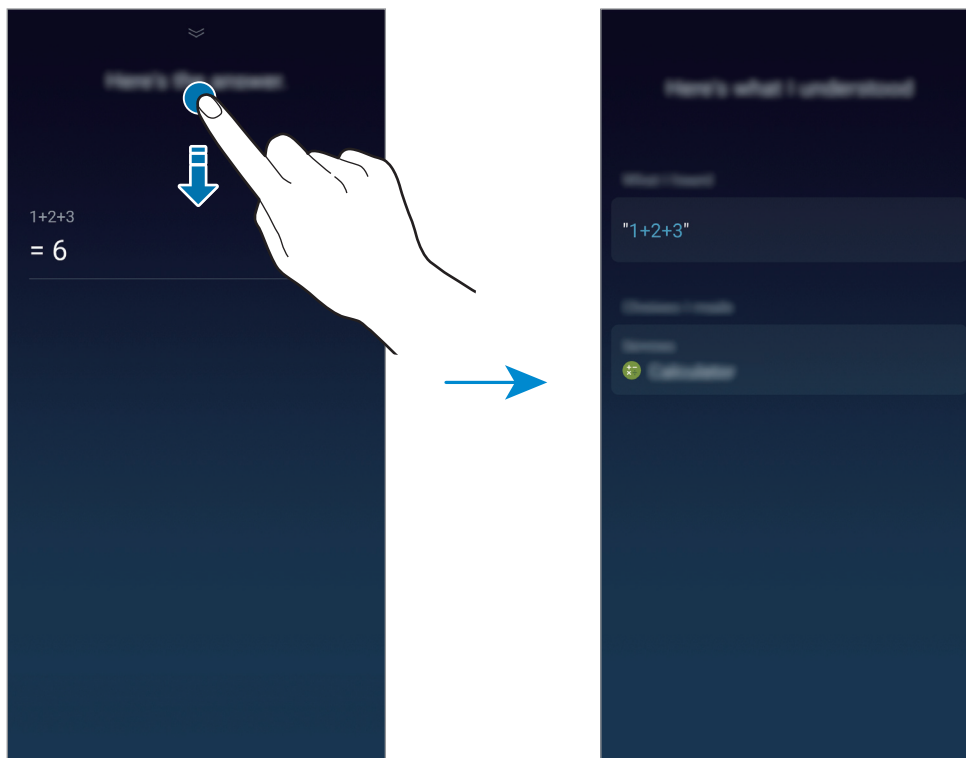
You can wake up Bixby by saying “Hi, Bixby” even when the speaker plays alarms, ringtone, or media.

Launch the **Bixby** app, tap **⋮** → **Settings** → **Voice wake-up**, and then tap the **Use when phone speaker playing** switch to activate it.

### Checking what Bixby understood

You can check how Bixby understood what you said. If Bixby understood your intention differently, you can let Bixby know the correct meaning.

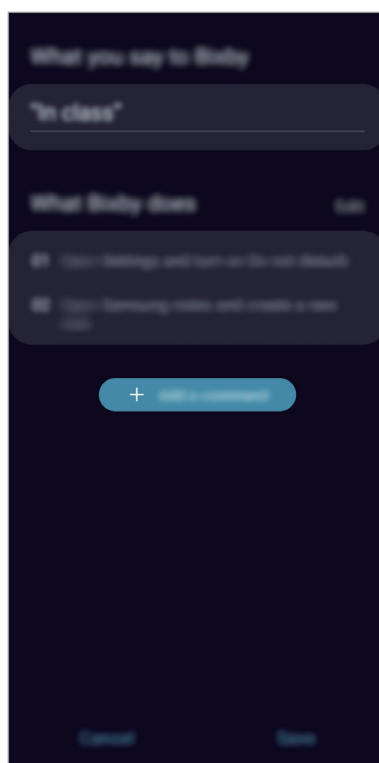
Drag Bixby’s answer area downwards. What Bixby understood and any used services will appear. If Bixby misunderstood your intention, edit the content and change the app or service to use.



## Using quick commands

You can add quick commands so that you can give commands more quickly and easily. You can also give multiple commands together by adding them to a quick command.

- 1 Launch the **Bixby** app and tap  → **Quick commands** → **+**.
- 2 Tap **Quick command word or phrase** and enter a quick command name.
- 3 Tap **Add a command** and select a method you want.
  - **Select a command:** Select one from the commands list.
  - **Say a command:** Say your command.
  - **Type a command:** Type your command.
- 4 Select or enter a command that Bixby will perform.  
To add additional commands, tap **Add a command**.



- 5 Tap **Save**.

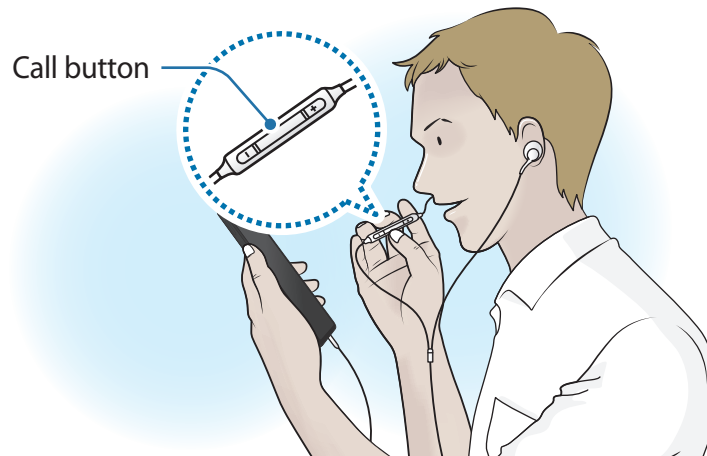
Now you can give multiple commands by saying the quick commands you added.

## Using earphones or a Bluetooth headset

Connect earphones or a Bluetooth headset to the device when your voice is not heard clearly via the built-in microphone due to noisy environments. Press and hold the Call button on earphones or a Bluetooth headset to launch Bixby and say your request to the microphone.



This feature may not be available or its method of use may vary depending on the earphones and Bluetooth headset.



## Customising the Bixby settings

Launch the **Bixby** app and tap  → **Settings**.

- **Language and voice style:** Set the language to communicate with Bixby and set the style of voice feedback. The selected language is applied only when you talk with Bixby.



Bixby is only available in some languages, and certain features may not be available depending on your region. To see the list of supported languages, tap **Language**.

- **Voice response:** Change the voice feedback settings for Bixby.
- **Automatic listening:** Set Bixby to automatically listen when it asks a question so you can respond without pressing the icon. This option is available only if you are using headphones or Bluetooth audio, or start a conversation by saying “Hi, Bixby”.
- **Voice wake-up:** Set Bixby to wake up when it hears you say “Hi, Bixby”. You can also change the settings for the voice wake-up feature.
- **Use while phone locked:** Set Bixby to complete some actions, such as making a call or launching a map app, while the device is locked.
- **Bixby dictation:** Set Bixby to dictate while pressing and holding the Power key when the keyboard is open.
- **Wake Bixby with Power key:** Set the device to launch Bixby when you press and hold the Power key.
- **Marketing notifications:** Set to receive notifications about marketing information.
- **Privacy:** Set to use Bixby’s interactive and customised services to enhance your experience.
- **About Bixby Voice:** View the Bixby version and legal information.

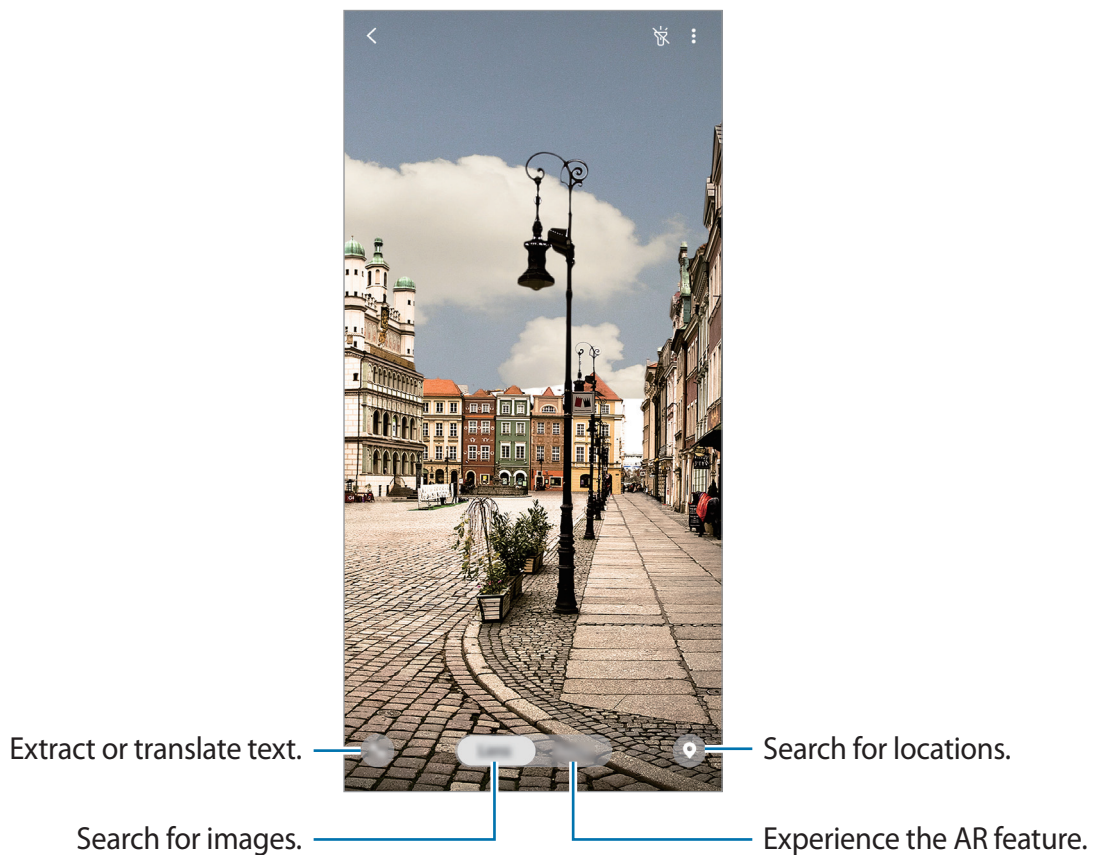
## Bixby Vision

### Introduction

Bixby Vision is a service that provides various features based on image recognition.

You can use Bixby Vision to quickly search for information by recognising objects or your current location. You can also experience the AR feature, which makes virtual images appear on the preview screen.

Use a variety of useful Bixby Vision features.



- To use this feature, the device must be connected to a Wi-Fi or mobile network.
- To use some Bixby Vision features, you must sign in to your Samsung account.
- The available features and search results may vary depending on the region or service provider.
- This feature may not be available or you may 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 **Bixby Vision**.
- In the **Gallery** app, select an image and tap .
- In the **Internet** app, tap and hold an image and tap **Bixby Vision**.
- If you added the Bixby Vision app icon to the Home screen and Apps screen, launch the **Bixby Vision** app.

## Searching for similar images

Search for images similar to the recognised object online. You can view various images with properties similar to the object, such as colour or shape.

For example, if you want to know the title of a photo or image, use the Bixby Vision features. The device will search for and show you related information or images with similar characteristics.

- 1 Launch the **Camera** app and tap **Bixby Vision**.
- 2 Tap **Lens** and keep the object within the screen to recognise it.
- 3 Select a search result with  on it.  
The similar images will appear.

## Translating or extracting text

Recognise and show the translated text on the screen. You can also extract text from a document or an image file.

For example, if you want to know what a sign says while travelling abroad, use the Bixby Vision features. The device will translate the sign's text into the language you select.

**1** Launch the **Camera** app and tap **Bixby Vision**.

**2** Tap  and keep the text within the screen to recognise it.

The translated text will appear on the screen.

- To extract text, tap . You can share or save the extracted text.
- To save the screen with the translated text as an image, tap . The screen will be saved in **Gallery**.
- To change the source or target language, tap the language settings panel at the top of the screen.

## Searching for places and deals

Search for information about nearby places by recognising your current location. You can also view the events being held nearby.

For example, if you want to search for nearby cafes, use the Bixby Vision features. The device will search for and show you nearby cafes.

**1** Launch the **Camera** app and tap **Bixby Vision**.

**2** Tap  and point the camera towards the direction you want to search for places.

You can view basic information about nearby places.

- If you want to search for places in another direction, point the camera towards the direction.
- To view available deals nearby, tap **Deals**.
- You can view your current location and weather information. To view your current location on the map, point the camera towards the ground. To view the current weather information, point the camera towards the sky.

### 3 Select a search result on the screen.

The device will show the information of nearby places and deals.

## Experiencing various AR features

Various apps include the AR feature, which makes virtual images appear on the background or person on the preview screen. You can conveniently experience products and view information without visiting stores or trying them in person. Experience Bixby Vision's fun and useful AR feature.



Available apps may vary depending on the region or service provider.

### 1 Launch the **Camera** app and tap **Bixby Vision**.

### 2 Tap **Apps** and select the feature you want.

- **Makeup:** Try various makeup products on your face in real time and search for the products' information. You can find various colours and styles that suit to you.
- **Styling:** Try on pairs of virtual sunglasses. If you like a pair, you can instantly buy them online.

## Bixby Home

On the Bixby Home screen, you can view recommended services and information that Bixby provides by analysing your usage patterns and your routine.



- To view more content, connect to a Wi-Fi or mobile network.
- To fully use this feature, you must register and sign in to your Samsung account.

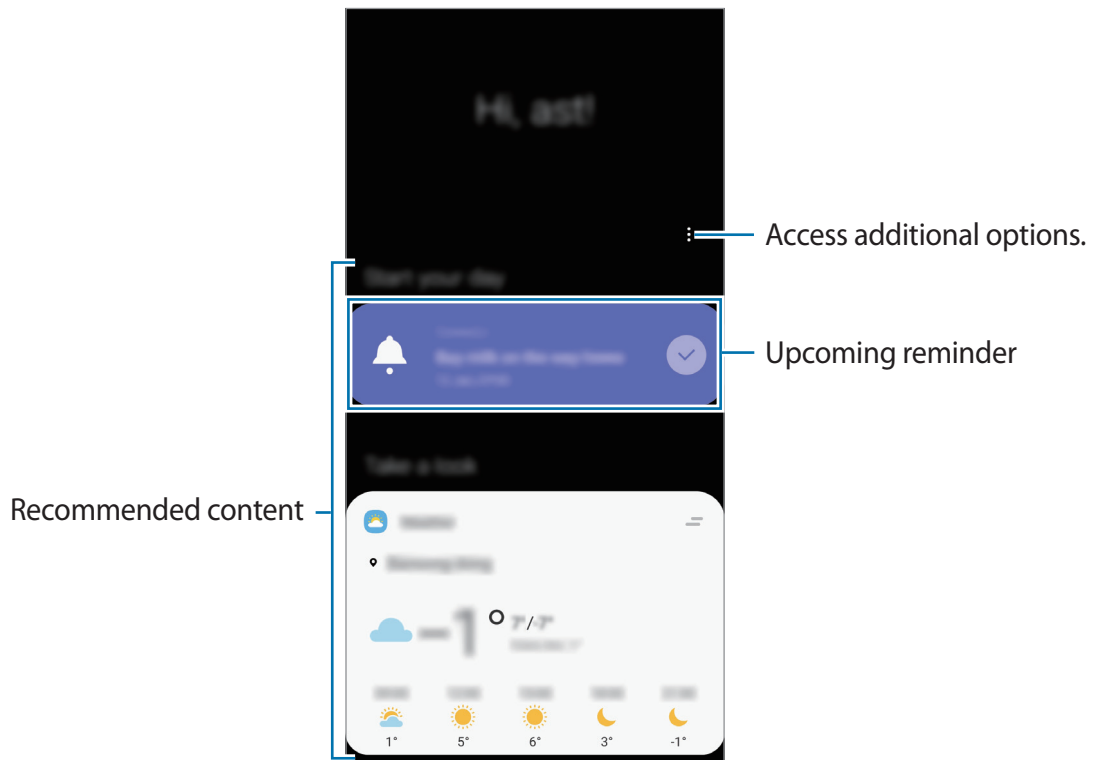
## Opening Bixby Home

### 1 On the Home screen, swipe to the right.

The Bixby Home screen will appear.

When launching this feature for the first time or after performing a data reset, follow the on-screen instructions to complete the setup.

2 Swipe upwards or downwards to view recommended content.



3 To close Bixby Home, swipe to the left on the screen or tap the Back button.

## Using recommended content on Bixby Home

When you open Bixby Home, you can view the content that is frequently updated as cards. Swipe upwards or downwards to view the cards.

For example, on the way to the office in the morning, you can view your day's schedule and play your favourite music on the Bixby Home screen. In the evening, you can view alarms, check your daily activity, and view your friends' feeds.



The content and order of the cards update automatically at a specified interval. To manually update cards, swipe downwards on the screen.

## Editing cards list

- To pin a card to the top of the Bixby Home screen, tap  → **Pin to top**. To unpin a card, tap  → **Unpin**.
- To stop displaying a card on the list, drag the card to the right and tap **Don't show again**.
- To hide a card from the list, drag the card to the right and tap **Hide for now**.

## Selecting apps to show as cards

Add or delete apps to show as cards on the Bixby Home screen.

On the Bixby Home screen, tap  → **Cards** and tap the switches next to items to add or delete them.



If an app is not installed on the device, you must install it to use it. On the Bixby Home screen, tap  → **Cards** and then download an app.

## Customising the Bixby Home settings

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

- **Customisation Service:** Set to use Bixby's interactive and customised services to enhance your experience.
- **Bixby Home content providers:** Read and agree to or withdraw your agreement from the terms and conditions and privacy policies of each content provider.
- **About Bixby Home:** View the Bixby Home version and legal information.

## Reminder

Create reminders to schedule to-do items or to view content later. You will receive notifications at the preset time or location for each reminder.



- To receive more accurate notifications, connect to a Wi-Fi or mobile network.
- To fully use this feature, you must register and sign in to your Samsung account.
- To use location reminders, the GPS feature must be activated.

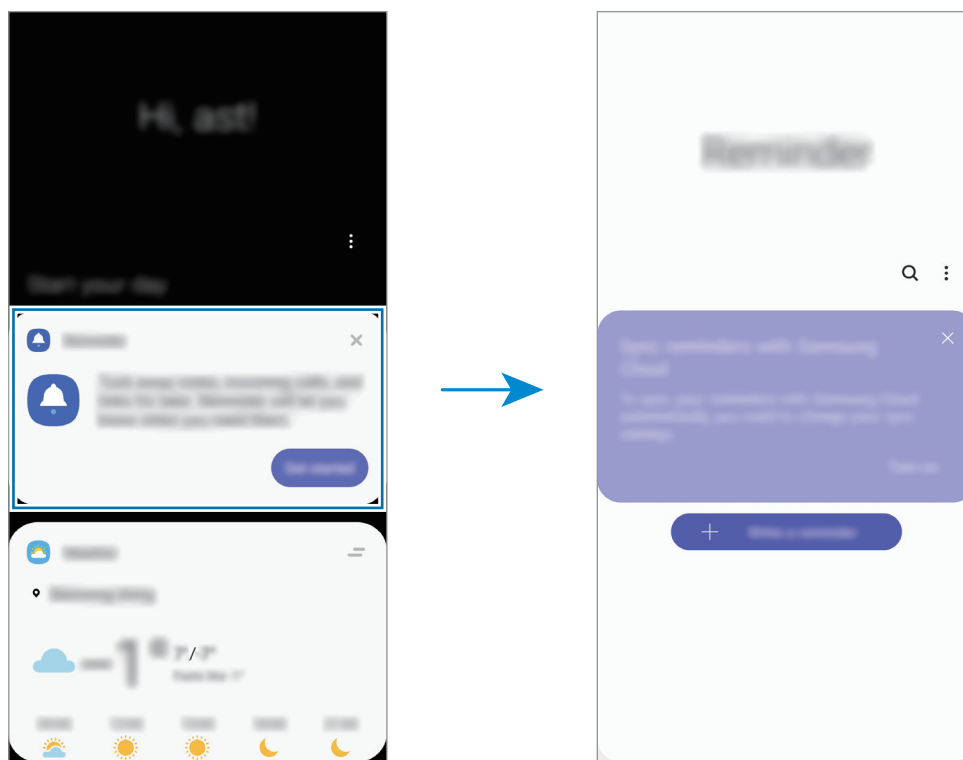
### Starting Reminder

You can start Reminder from Bixby Home.

- 1 On the Home screen, swipe to the right.  
The Bixby Home screen will appear.

- 2 Tap **Get started** on the **Reminder** card.

The Reminder screen will appear and the **Reminder** app icon (🔔) will be added to the Apps screen.

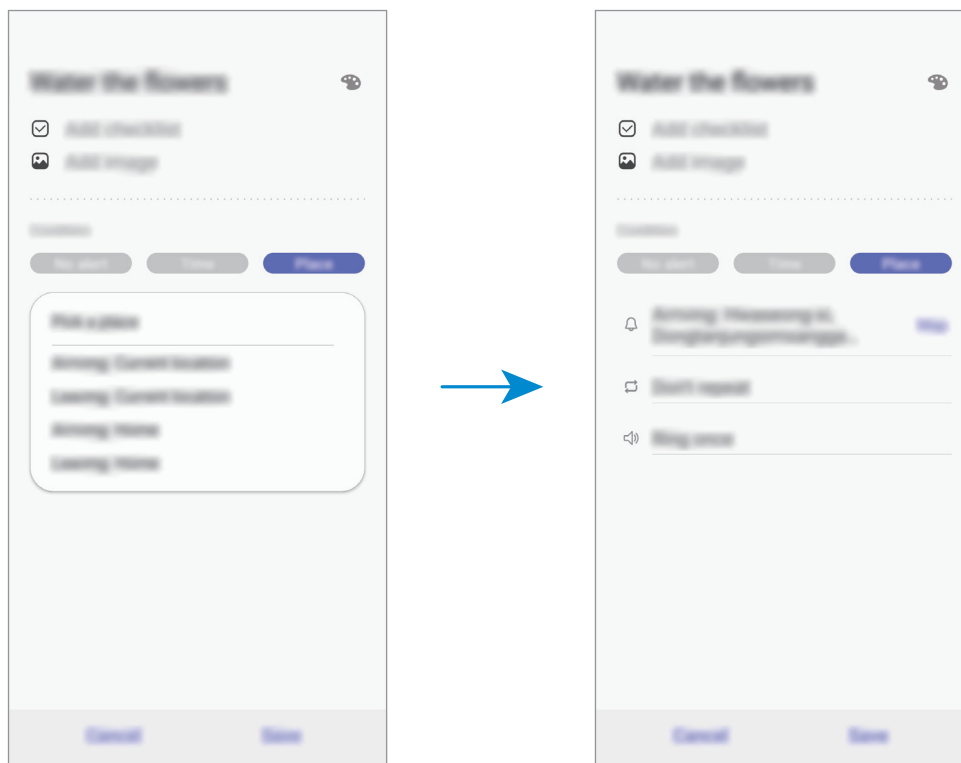


## Creating reminders

Create reminders with various methods. Reminder will alert you if you create a reminder with a specified time or location setting. You can also save various content, such as a single memo or webpage address, and view it later.

For example, create a reminder to alert you to 'Water the flowers when I get home.'

- 1 Launch the **Reminder** app.
- 2 Tap **Write a reminder** or **+** and enter 'Water the flowers.'
- 3 Tap **Place** → **Set conditions** → **Pick a place** and set the location to home.
- 4 Tap **When I arrive at** → **Done**.



- 5 Tap **Save** to save the reminder.

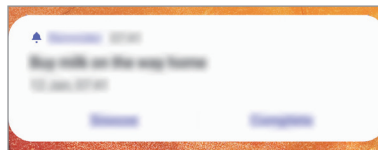
When you arrive at home, the 'Water the flowers' notification will appear.

## Creating reminders with Bixby

Press and hold the Power key and say “Remind me to water the flowers when I get home”. Bixby will save what you said as a reminder.

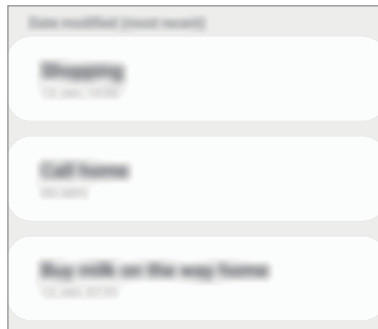
## Checking reminder notifications

At the preset time or location, a notification pop-up window will appear. Tap **Complete** or **Snooze**.



## Viewing the reminders list

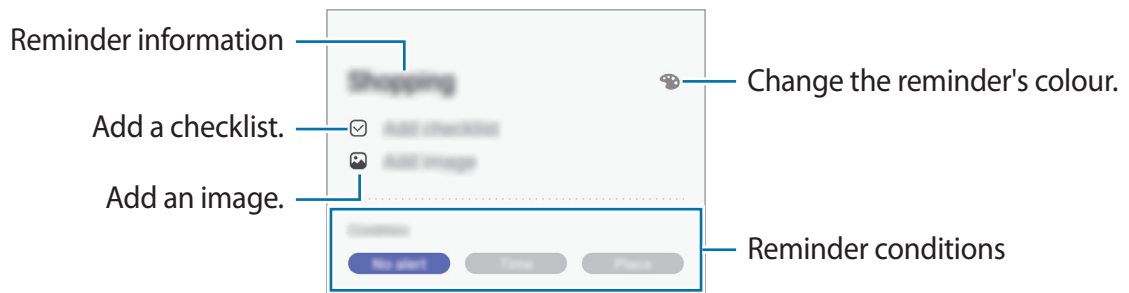
Launch the **Reminder** app to view your reminders list. To view reminder details, select a reminder.



## Editing reminder details

Add or edit reminder details, such as frequency, date and time, or location.

- 1 On the reminders list, select a reminder to edit and tap **Edit**.
- 2 Edit the conditions and tap **Save**.



## Completing reminders

Mark reminders that you do not need to be reminded of as complete.

On the reminders list, select a reminder and tap **Complete**. Alternatively, drag the reminder to the left.

## Restoring reminders

Restore reminders that have been completed.

- 1 On the reminders list, tap **⋮** → **Completed** → **Edit**.
- 2 Tick items to restore and tap **Restore**.

Reminders will be added to the reminders list and you will be reminded at the preset times.

## Deleting reminders

To delete a reminder, drag the reminder to the right. To delete multiple reminders, tap and hold a reminder, tick reminders to delete, and then tap **Delete**.

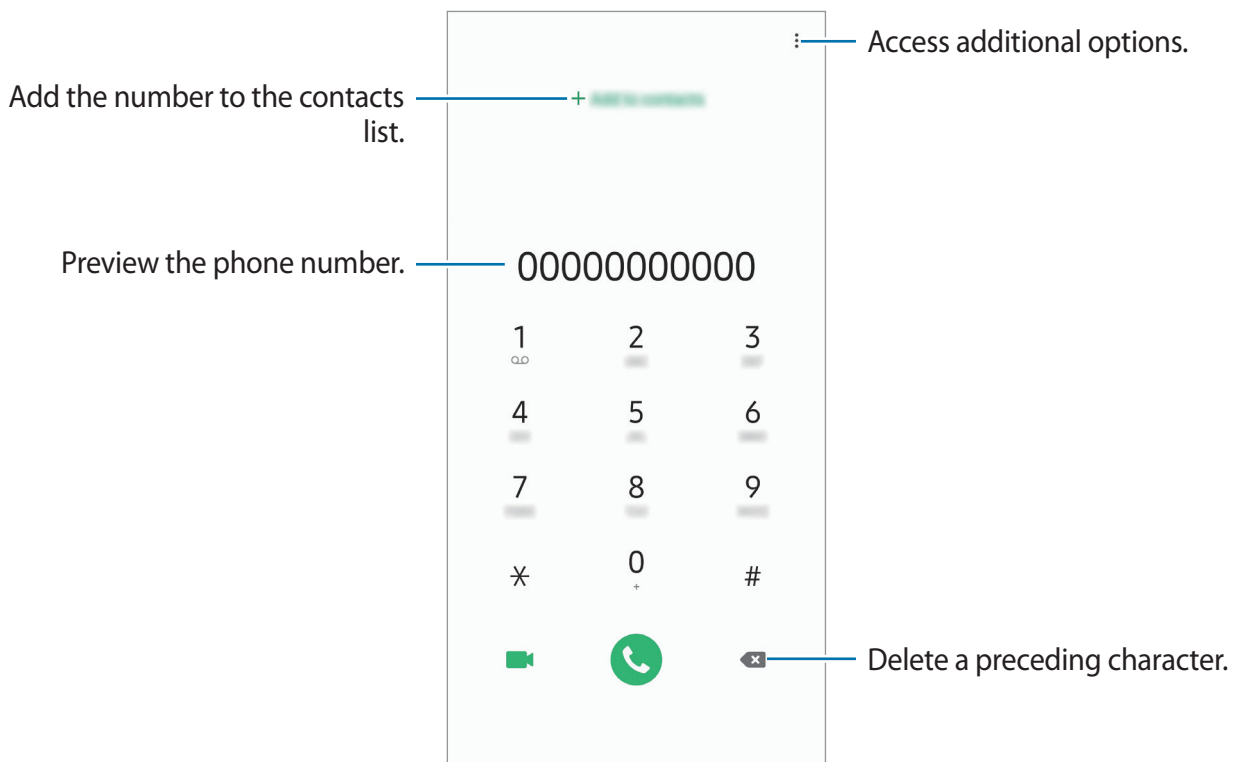
# Phone

## Introduction

Make or answer voice and video calls.

## Making calls

- 1 Launch the **Phone** app and tap **Keypad**.
- 2 Enter a phone number.
- 3 Tap  to make a voice call, or tap  to make a video call.



## Making calls from call logs or contacts list

Tap **Recents** or **Contacts**, and then swipe to the right on a contact or a phone number to make a call.

If this feature is deactivated, launch the **Settings** app, tap **Advanced features** → **Motions and gestures**, and then tap the **Swipe to call or send messages** switch to activate it.

## Using speed dial

Set speed dial numbers to quickly make calls.

To set a number to speed dial, tap **Keypad** or **Contacts** →  → **Speed dial numbers**, select a speed dial number, and then add a phone number.

To make a call, tap and hold a speed dial number on the keypad. For speed dial numbers 10 and up, tap the first digit(s) of the number, and then tap and hold the last digit.

For example, if you set the number **123** as a speed dial number, tap **1**, tap **2**, and then tap and hold **3**.

## Making calls from the locked screen

On the locked screen, drag  outside the circle.

## Making an international call

- 1 Launch the **Phone** app and tap **Keypad**.
- 2 Tap and hold **0** until the + sign appears.
- 3 Enter the country code, area code, and phone number, and then tap .

## Receiving calls

### Answering a call

When a call comes in, drag  outside the large circle.

### Rejecting a call

When a call comes in, drag  outside the large circle.

To send a message when rejecting an incoming call, drag the **Send message** bar upwards. If the **Add reminder** switch is activated, a reminder will be saved to alert you of the rejected call one hour later.

To create various rejection messages, launch the **Phone** app, tap  → **Settings** → **Quick decline messages**, enter a message, and then tap .

### Missed calls

If a call is missed, the  icon appears on the status bar. Open the notification panel to view the list of missed calls. Alternatively, launch the **Phone** app and tap **Recents** to view missed calls.

## Blocking phone numbers

Block calls from specific numbers added to your block list.

**1** Launch the **Phone** app and tap  → **Settings** → **Block numbers**.

**2** Tap **Recents** or **Contacts**, select contacts, and then tap **Done**.

To manually enter a number, tap **Add phone number**, enter a phone number, and then tap .

When blocked numbers try to contact you, you will not receive notifications. The calls will be logged in the call log.



You can also block incoming calls from people that do not show their caller ID. Tap the **Block unknown callers** switch to activate the feature.

## Options during calls



If the area around the rear camera and the fingerprint recognition sensor is covered, unwanted noises may incur during a call. Remove accessories, such as a screen protector or stickers, around the rear camera area.

### During a voice call

The following actions are available:

- : Access additional options.
- **Add call**: Dial a second call. The first call will be put on hold. When you end the second call, the first call will be resumed.
- **Hold call**: Hold a call. Tap **Resume call** to retrieve the held call.
- **Bluetooth**: Switch to a Bluetooth headset if it is connected to the device.
- **Speaker**: Activate or deactivate the speakerphone. When using the speakerphone, keep the device away from your ears.
- **Mute**: Turn off the microphone so that the other party cannot hear you.
- **Keypad / Hide**: Open or close the keypad.
- : End the current call.

### During a video call

Tap the screen to use the following options:

- : Access additional options.
- **Camera**: Turn off the camera so that the other party cannot see you.
- **Switch**: Switch between the front and rear cameras.
- : End the current call.
- **Mute**: Turn off the microphone so that the other party cannot hear you.
- **Speaker**: Activate or deactivate the speakerphone. When using the speakerphone, keep the device away from your ears.

## Adding a phone number to Contact

### Adding a phone number to Contacts from the keypad

- 1 Launch the **Phone** app and tap **Keypad**.
- 2 Enter the number.
- 3 Tap **Add to contacts**.
- 4 Tap **Add to contacts** to create a new contact, or tap **Update existing** to add the number to an existing contact.

### Adding a phone number to Contacts from the calls list

- 1 Launch the **Phone** app and tap **Recents**.
- 2 Tap a caller's image and tap **Add**, or tap a phone number and tap **Add to Contacts**.
- 3 Tap **Add to contacts** to create a new contact, or tap **Update existing** to add the number to an existing contact.

## Adding a tag to a phone number

You can add tags to numbers without saving them to Contact. This allows you to view the caller's information when they call without having them listed in Contact.

- 1 Launch the **Phone** app and tap **Recents**.
- 2 Tap a phone number → .
- 3 Tap **Add tag**, enter a tag, and then tap **Add**.

When a call comes from that number, the tag will show under the number.

# Contacts

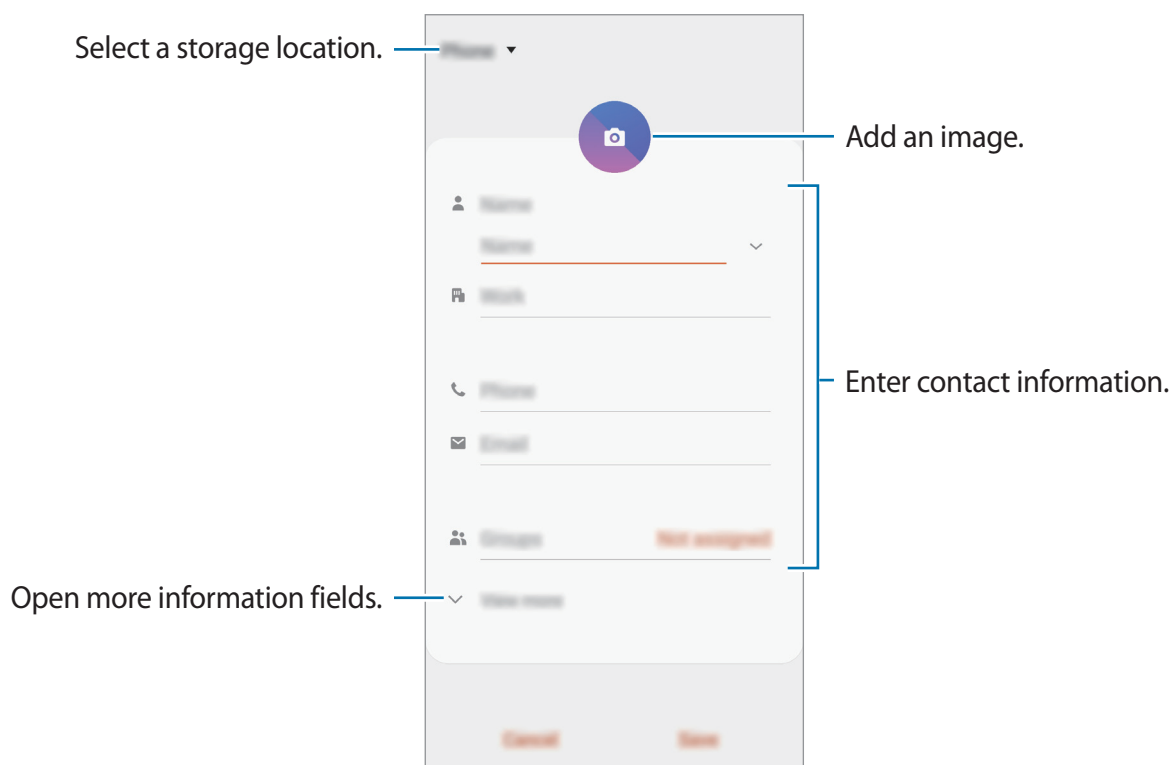
## Introduction

Create new contacts or manage contacts on the device.

## Adding contacts

### Creating a new contact

- 1 Launch the **Contacts** app and tap .
- 2 Select a storage location and tap **Select**.
- 3 Enter contact information.



Depending on the selected storage location, the types of information you can save may vary.

- 4 Tap **Save**.

## Importing contacts

Add contacts by importing them from other storages to your device.

- 1 Launch the **Contacts** app and tap  → **Manage contacts** → **Import/Export contacts** → **Import**.
- 2 Select a storage location to import contacts from.
- 3 Tick VCF files or contacts to import and tap **Done**.
- 4 Select a storage location to save contacts to and tap **Import**.

## Syncing contacts with your web accounts

Sync your device contacts with online contacts saved in your web accounts, such as your Samsung account.

- 1 Launch the **Settings** app, tap **Accounts and backup** → **Accounts** and select the account to sync with.
- 2 Tap **Sync account** and tap the **Contacts** switch to activate it.  
For the Samsung account, tap  → **Sync settings** and tap the **Contacts** switch to activate it.

## Searching for contacts

Launch the **Contacts** app.

Use one of the following search methods:

- Scroll up or down the contacts list.
- Drag a finger along the index at the right side of the contacts list to scroll through it quickly.
- Tap **Q** at the top of the contacts list and enter search criteria.

Tap the contact. Then take one of the following actions:

- ☆ : Add to favourite contacts.
- 📞 / 📺 : Make a voice or video call.
- 💬 : Compose a message.
- ✉️ : Compose an email.

## Sharing contacts

You can share contacts with others by using various sharing options.

- 1 Launch the **Contacts** app and tap ⋮ → **Share**.
- 2 Select contacts and tap **Share**.
- 3 Select a sharing method.

## Saving and sharing profile

Save and share your profile information, such as your photo and status message, with others using the profile sharing feature.



- The profile sharing feature may not be available depending on the region or service provider.
- The profile sharing feature is only available for contacts who have activated the profile sharing feature on their device.

- 1 Launch the **Contacts** app and select your profile.
- 2 Edit your profile, and tap **Save**.
- 3 Tap **Tap here to share your profile** and tap the switch to activate it.

To use the profile sharing feature, your phone number must be verified. You can view your contacts' updated profile information in **Contacts**.

To change the scope of contacts to share your profile with, tap **Select what's shared**, select an item to share, and then select an option.

## Creating groups

You can add groups, such as family or friends, and manage contacts by group.

- 1 Launch the **Contacts** app and tap  → **Groups** → **Create group**.
- 2 Enter a group name.  
To set a group ringtone, tap **Group ringtone** and select a ringtone.
- 3 Tap **Add member**, select contacts to add to the group, and then tap **Done**.
- 4 Tap **Save**.

## Sending a group message

You can send a group message to a group's members at the same time.

Launch the **Contacts** app, tap  → **Groups**, select a group, and then tap  → **Send message**.

## Merging duplicate contacts

When you import contacts from other storages, or sync contacts with other accounts, your contacts list may include duplicate contacts. Merge duplicate contacts into one to streamline your contacts list.

- 1 Launch the **Contacts** app and tap  → **Manage contacts** → **Merge contacts**.
- 2 Tick contacts and tap **Merge**.

## Deleting contacts

- 1 Launch the **Contacts** app and tap  → **Delete**.
- 2 Select contacts and tap **Delete**.

To delete contacts one by one, open the contacts list and tap a contact. Then tap  → **Delete**.

# Messages

## Introduction

Send and view messages by conversation.

## Sending messages

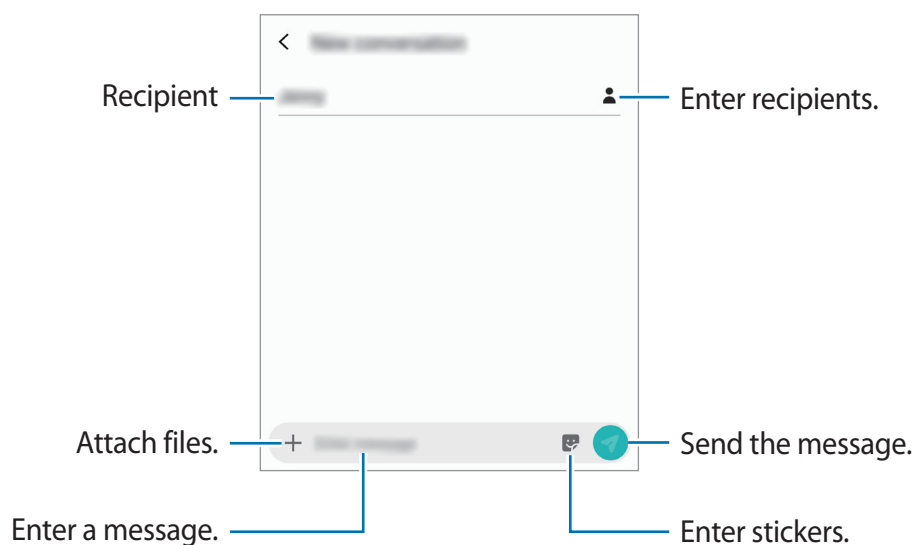


You may incur additional charges for sending messages when you are roaming.

1 Launch the **Messages** app and tap .

2 Add recipients and enter a message.

To record and send a voice message, tap and hold , say your message, and then release your finger. The recording icon appears only while the keyboard is hidden.



3 Tap  to send the message.

## Viewing messages

Messages are grouped into message threads by contact.



You may incur additional charges for receiving messages when you are roaming.

1 Launch the **Messages** app and tap **Conversations**.

2 On the messages list, select a contact.

3 View your conversation.

To reply to the message, tap **Enter message**, enter a message, and then tap .

To adjust the font size, spread two fingers apart or pinch on the screen.

## Blocking unwanted messages

Block messages from specific numbers added to your block list.

1 Launch the **Messages** app and tap  → **Settings** → **Block numbers and messages** → **Block numbers**.

2 Tap **Inbox** and select a contact. Or, tap **Contacts**, select contacts, and then tap **Done**.

To manually enter a number, enter a phone number under **Enter number** and tap .

## Setting the message notification

You can change notification sound, display options, and more.

- 1 Launch the **Messages** app, tap  → **Settings** → **Notifications**, and then tap the switch to activate it.
- 2 Change the notification settings.

## Setting a message reminder

You can set an alert at an interval to let you know that you have unchecked notifications. If this feature is not activated, launch the **Settings** app, tap **Accessibility** → **Advanced settings** → **Notification reminders**, and then tap the switch to activate it.

## Deleting messages

- 1 Launch the **Messages** app and tap **Conversations**.
- 2 On the messages list, select a contact.
- 3 Tap and hold a message, tap **Delete**.  
To delete multiple messages, tick messages you want to delete.
- 4 Tap **Delete**.

# Internet

## Introduction

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

## Browsing webpages

1 Open the **Samsung** folder and launch the **Internet** app.

2 Tap the address field.

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

To view the toolbars, drag your finger downwards slightly on the screen.

To switch between tabs quickly, swipe to the left or right on the address field.



## Using secret mode

In secret mode, you can separately manage open tabs, bookmarks, and saved pages. You can lock secret mode using a password and your biometric data.

### Activating secret mode

In the toolbar at the bottom of the screen, tap  → **Turn on Secret mode**. If you are using this feature for the first time, set whether to use a password for secret mode.

In secret mode, the device will change the colour of the toolbars.



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

### Changing security settings

You can change your password or the lock method.

Tap  → **Settings** → **Privacy and security** → **Set Secret mode lock** → **Change password**.

To set your registered biometric data as the lock method along with the password, tick **Also use biometrics**. Refer to [Fingerprint recognition](#) for more information about using your biometric data.

### Deactivating secret mode

In the toolbar at the bottom of the screen, tap  → **Turn off Secret mode**.

## Email

### Setting up email accounts

Set up an email account when opening **Email** for the first time.

- 1 Open the **Samsung** folder and launch the **Email** app.
- 2 On the list, select an email service or tap **Other**.
- 3 Follow the on-screen instructions to complete the setup.

To set up another email account, tap  →  → **Add account**.

If you have more than one email account, you can set one as the default account. Tap  →  →  → **Set default account**.

### Sending emails

- 1 Tap  to compose an email.
- 2 Add recipients and enter a subject line and text.
- 3 Tap  to send the mail.

### Reading emails

When **Email** is open, the device will automatically retrieve new emails. To manually retrieve emails, swipe downwards on the top of the emails list.

Tap an email on the screen to read it.



If email syncing is disabled, new emails cannot be retrieved. To enable email syncing, tap  →  → your account name, and then tap the **Sync account** switch to activate it.

# Camera

## Introduction

Take photos and record videos using various modes and settings.

### Camera etiquette

- Do not take photos or record videos of other people without their permission.
- Do not take photos or record videos where legally prohibited.
- Do not take photos or record videos in places where you may violate other people's privacy.

## Launching Camera

Use the following methods to launch Camera:

- Launch the **Camera** app.
- Press the Power key twice quickly.
- On the locked screen, drag  outside the circle.



- Some methods may not be available depending on the region or service provider.
- Some camera features are not available when you launch the **Camera** app from the locked screen or when the screen is turned off while the screen lock method is set.
- If photos you take appear blurry, clean the camera lens and try again.

## Basic shooting

### Taking photos or recording videos

- 1 On the shooting modes list, tap **Photo** or **Video**.
- 2 Tap the image on the preview screen where the camera should focus.
- 3 Tap  to take a photo or tap  to record a video.



- To adjust the brightness of photos or videos, tap the screen. When the adjustment bar appears, drag  on the adjustment bar towards **+** or **-**.
- To capture an image from the video while recording, tap .
- To change the focus while recording a video, tap where you want to focus. To use auto focus mode, tap .



- The preview screen may vary depending on the shooting mode and which camera is being used.
- The camera automatically shuts off when unused.
- Make sure that the lens is not damaged or contaminated. Otherwise, the device may not work properly in some modes that require high resolutions.
- Your device's camera features a wide-angle lens. Minor distortion may occur in wide-angle photos or videos and does not indicate device performance problems.
- The maximum recording time may reduce when you record video at high resolution.

## Selecting a lens for shooting

Take a photo or record a video after selecting the camera lens you want.

On the preview screen, select a lens.



This feature is available only in some modes.

-  : You can take a basic photo or record a normal video with the normal lens.
-  : You can take a photo or record a video of a larger scene clearly with the Ultra wide lens.



Basic shooting



Ultra wide shooting

## Zooming in and out

Spread two fingers apart on the screen to zoom in, and pinch to zoom out.

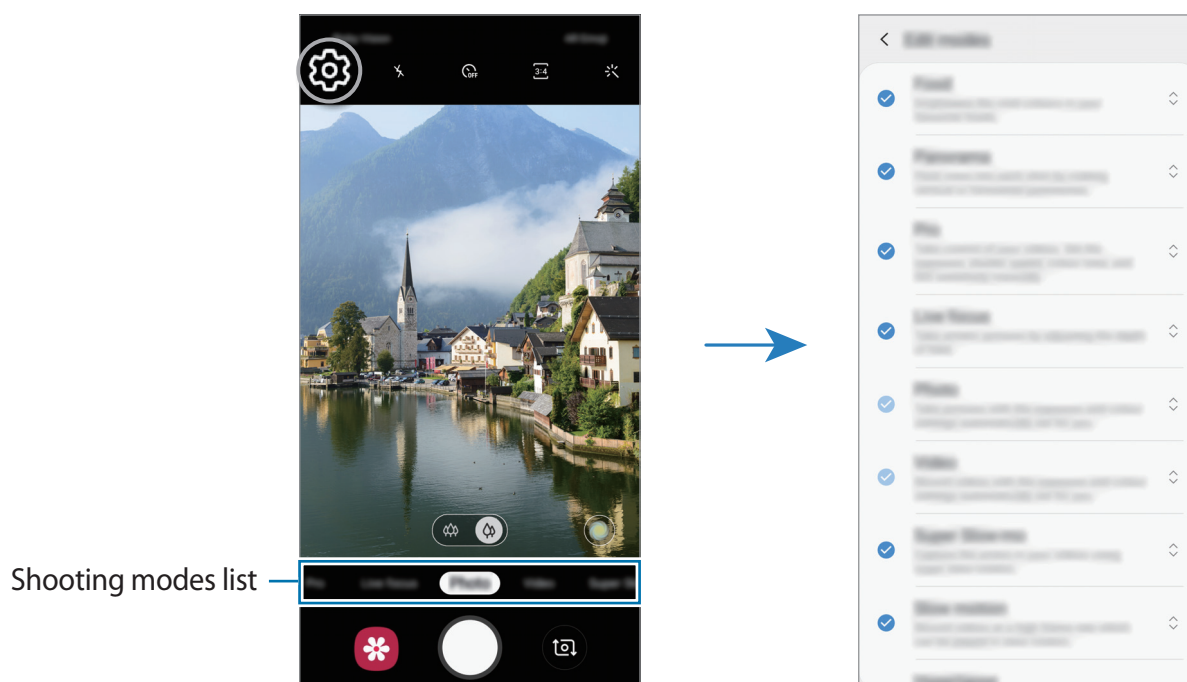


- Zooming features are available only when using the rear camera.
- If you use the video zoom feature for a long time while recording a video, the video quality may diminish to prevent your device from overheating.
- The 2x optical zoom may not work in low-light environments.

## Editing the shooting modes list

You can edit the shooting modes list on the preview screen.

- 1 On the preview screen, tap → **Camera modes** → **Edit modes**.  
Alternatively, tap and hold the shooting modes list on the preview screen.
- 2 Tick modes to use.  
To change the order of shooting modes, drag to another location.



## Setting the camera button action

You can take a series of photos or create an animated GIF by tapping and holding the camera button.

On the preview screen, tap  → **Hold Shutter button to** and select an action you want to use.

- **Take a picture:** Take a photo.
- **Take burst shot:** Take a series of photos.
- **Create GIF:** Create an animated GIF with sequential photos you taken.



The **Take burst shot** and **Create GIF** features are available only in some shooting modes.

## Using the focus and exposure features

### Locking the focus (AF) and exposure (AE)

You can lock the focus or exposure on a selected area to prevent the camera from automatically adjusting based on changes to the subjects or light sources.

Tap and hold the area to focus, the AF/AE frame will appear on the area and the focus and exposure setting will be locked. The setting remains locked even after you take a photo.



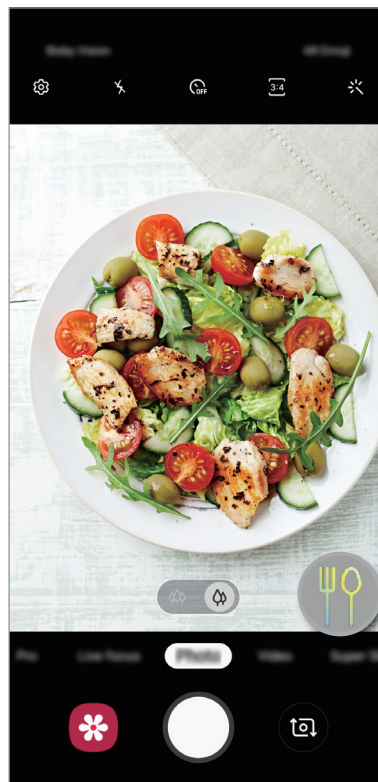
This feature is available only in **Photo** or **Pro** modes.

## Intelligent camera

### Scene optimiser

Your device will adjust the colour settings automatically after recognising a subject or scene, such as people, food, or night scene.

On the shooting modes list, tap **Photo**. When the camera recognises the subject or scene, the scene optimiser button will change and the optimised colour will be applied.



## Shot suggestions

The camera suggests the ideal composition for the photo by recognising the position and angle of your subject.

On the preview screen, tap  and tap the **Shot suggestions** switch to activate it.

- 1 On the shooting modes list, tap **Photo**.  
A guide will appear on the preview screen.
- 2 Point the subject with the prompt on the preview screen.  
The camera recognises the composition, and the recommended composition appears on the preview screen.
- 3 Adjust the position and angle of the camera to fit the composition.  
When the ideal composition is achieved, the guide will change to yellow.
- 4 Tap  to take a photo.

## Flaw detection

If a photo is taken poorly, the device will notify you to take the photo again.

When someone blinks or appears blurry in photos, or if there are smudges on the lens, a notification will appear after you take the photo.



If you do not want to use this feature, tap  on the preview screen and tap the **Flaw detection** switch to deactivate it.

## Super Slow-mo

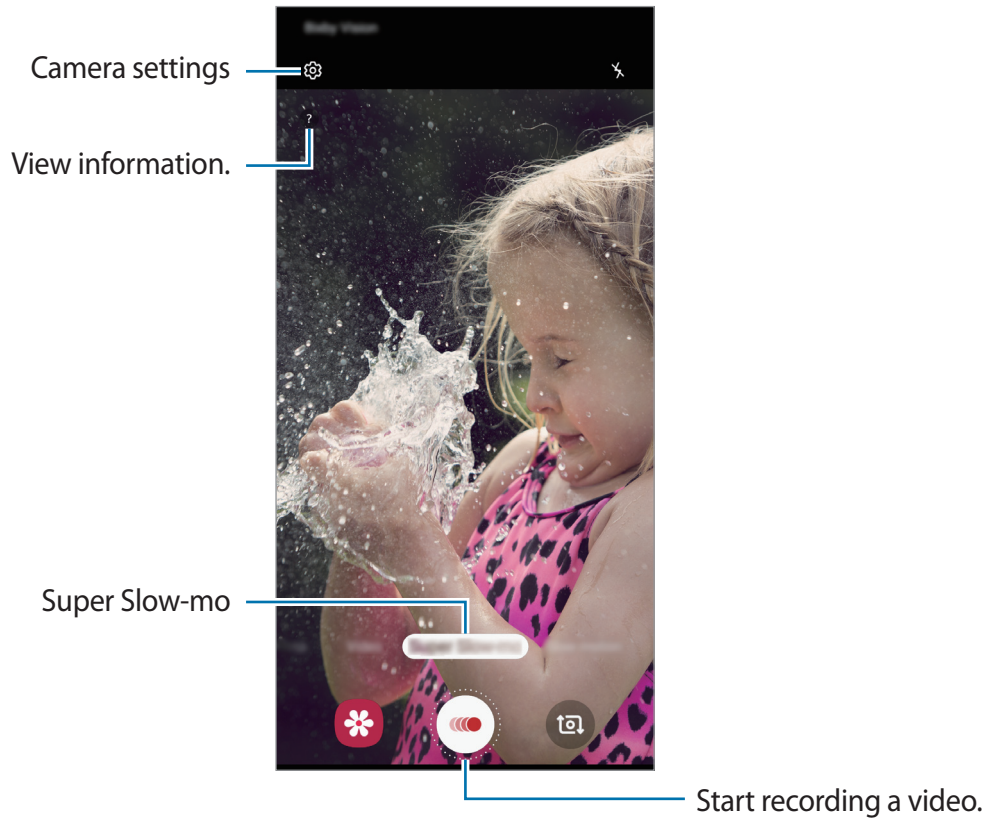
Super slow motion is a feature that records a quickly passing moment slowly so that you can appreciate it later. After the video is recorded, background music will be added automatically.



- Some super slow motion features may differ depending on the model.
- Use this feature in a place that has sufficient light. When recording a video indoors with insufficient or poor lighting, some of the following situations may occur:
  - The screen may appear dark due to the small amount of light.
  - The screen may flicker in certain lighting conditions, such as in places with fluorescent lighting.
  - Noise may occur.
- Super slow motion recording may start at an unwanted moment if there are conditions such as the following:
  - When the device shakes.
  - When another object is moving near the subject in the motion detection area.
  - When recording under flickering light, such as in places with fluorescent lighting.

## Recording super slow motion videos

- 1 On the shooting modes list, tap **Super Slow-mo**.



- 2 Tap .

The device will capture the moment in super slow motion and save it as a short video.

## Playing super slow motion videos

Select a super slow motion video and tap **Play super slow-mo video**.

Random background music will automatically accompany the video during playback.

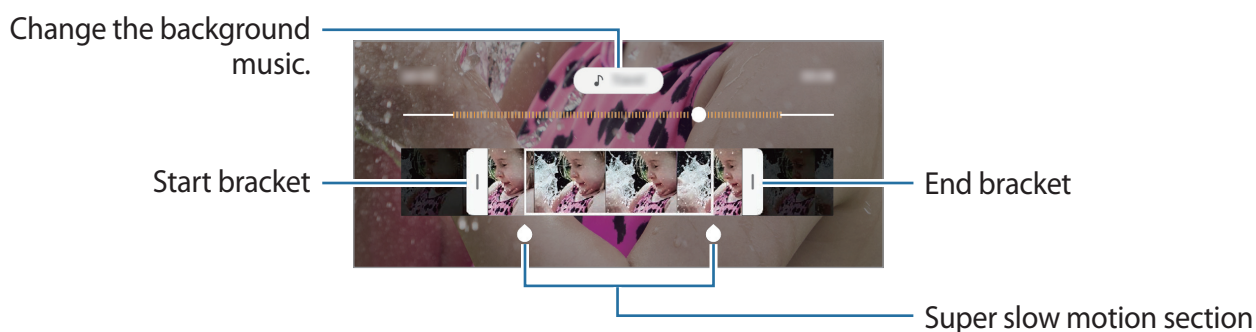
To capture an image while playing a video, tap .

## Editing super slow motion videos

On the playback screen, you can edit the video and save it as a different file or share it.

To crop out a desired section of the video, drag the start bracket and the end bracket to the desired points to select the section to keep.

To edit the super slow motion section, drag  to the left or right.



## Live focus

The camera allows you to take photos where the background is blurred and the subject stands out clearly. You can also apply a background effect and edit it after taking a photo.

### Taking portraits that stand out using the Live focus feature

Select a background effect on the preview screen and take a photo that stands out the subject.

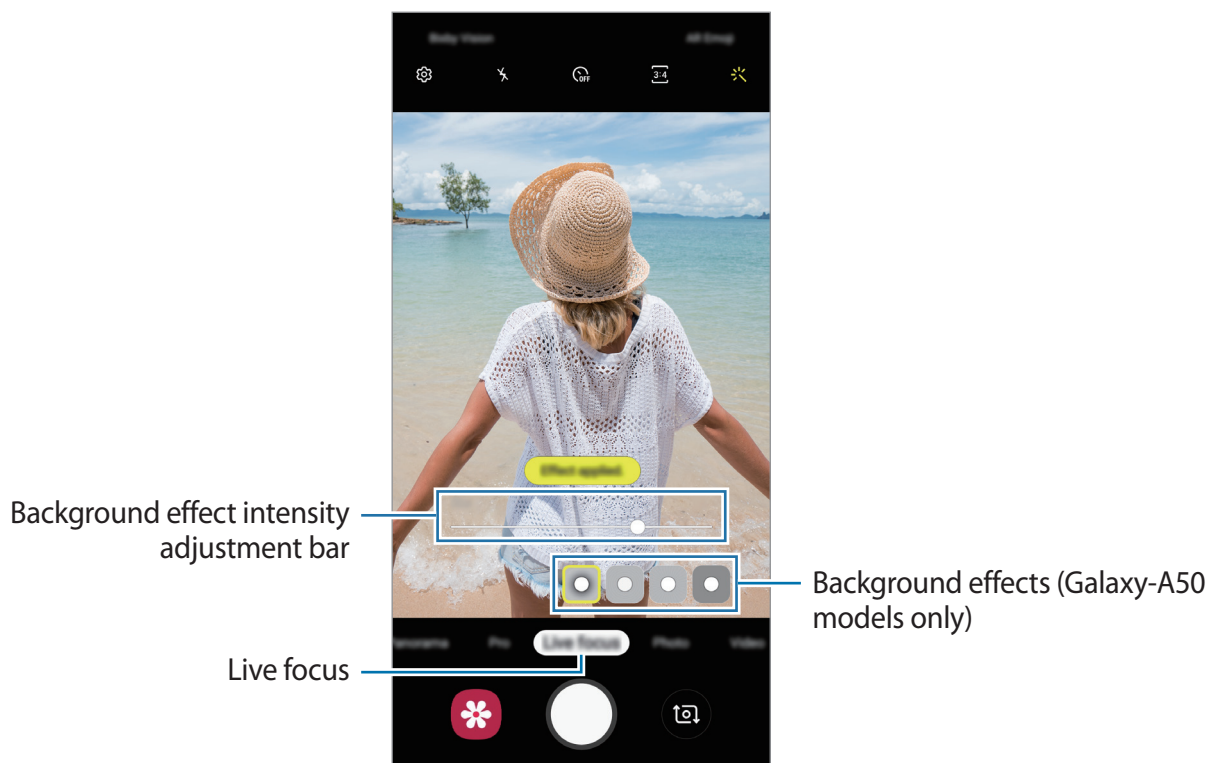


- Use this feature in a place that has sufficient light.
- The background blur may not be applied properly in the following conditions:
  - The device or the subject is moving.
  - The subject is thin or transparent.
  - The subject has a similar colour or pattern to the background.
  - The subject or background is plain.

- 1 On the shooting modes list, tap **Live focus**.
- 2 Adjust the intensity of the background effect by dragging the adjustment bar to the left or right.

To change the background effect, select a background effect on the preview screen.  
(Galaxy-A50 models only)

3 When **Effect applied.** appears on the preview screen, tap  to take a photo.

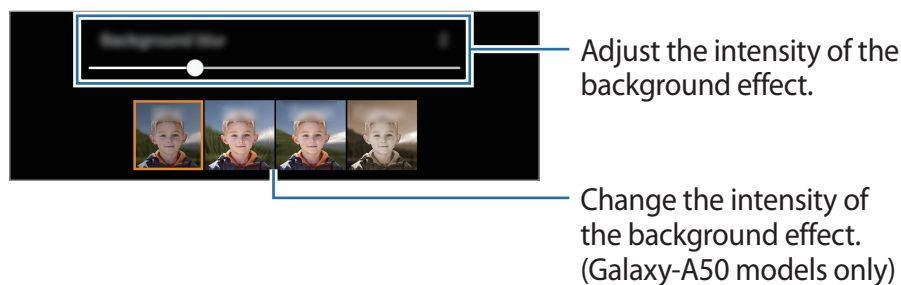


## Editing the background of the Live Focus photos

You can also edit the background effect and the intensity of the background effect for a photo taken with the Live focus feature.

- 1 Select a photo taken with the Live focus feature and tap **Change background effect.**
- 2 Adjust the intensity of the background effect by dragging the adjustment bar to the left or right.

To change the background effect, select a background effect on the preview screen.  
(Galaxy-A50 models only)



3 Tap **Apply** to save the photo.

## Using shooting modes

To change the shooting mode, drag the shooting modes list to the left or right, or swipe to the left or right on the preview screen.

Select a shooting mode you want.

### Photo mode

The camera adjusts the shooting options automatically based on the surroundings to capture photos easily.

On the shooting modes list, tap **Photo**.

To take self-portraits with the front camera, swipe upwards or downwards, or tap  to switch to the front camera.

### Applying beauty effects

You can select a filter effect and also modify your facial features, such as your skin tone or face shape, before taking a self-portrait.

- 1 On the preview screen, tap .
- 2 Select a filter effect or beauty effects and take a photo.

### Video mode

The camera adjusts the shooting options automatically based on the surroundings to record videos easily.

On the shooting modes list, tap **Video**.

## Slow motion mode

Record a video for viewing it in slow motion. You can specify sections of your videos to be played in slow motion.

1 On the shooting modes list, tap **Play slow-mo video**.

2 Tap  to start recording.

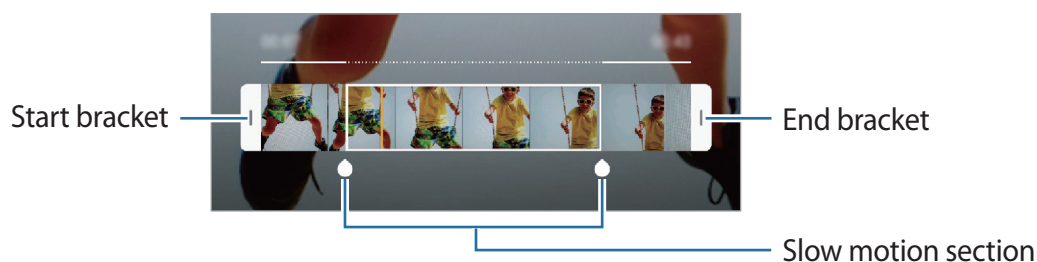
3 When you are finished recording, tap  to stop.

4 On the preview screen, tap the preview thumbnail.

5 Tap **Slow motion**.

The fastest section of the video will be set as a slow motion section and the video will start playing. Up to two slow motion sections will be created based on the video.

To edit the slow motion section, drag  to the left or right.



## Hyperlapse mode

Record scenes, such as passing people or cars, and view them as fast-motion videos.

1 On the shooting modes list, tap **Hyperlapse**.

2 Tap  and select a frame rate option.

If you set the frame rate to **Auto**, the device will automatically adjust the frame rate according to the changing rate of the scene.

3 Tap  to start recording.

4 Tap  to finish recording.

5 On the preview screen, tap the preview thumbnail and tap **Hyperlapse** to view the video.

## Pro mode

Capture photos while manually adjusting various shooting options, such as exposure value and ISO value.

On the shooting modes list, tap **Pro**. Select options and customise the settings, and then tap  to take a photo.

### Available options

-  : Change the exposure value. This determines how much light the camera's sensor receives. For low-light situations, use a higher exposure.
-  : Select an appropriate white balance, so images have a true-to-life colour range. You can set the colour temperature.
-  : Select an ISO value. This controls camera light sensitivity. Low values are for stationary or brightly lit objects. Higher values are for fast-moving or poorly lit objects. However, higher ISO settings can result in noise in photos.

## Panorama mode

Using panorama mode, take a series of photos and then stitch them together to create a wide scene.



To get the best shots using panorama mode, follow these tips:

- Move the camera slowly in one direction.
- Keep the image within the frame on the camera's viewfinder. If the preview image is out of the guide frame or you do not move the device, the device will automatically stop taking photos.
- Avoid taking photos of indistinct backgrounds, such as an empty sky or a plain wall.