Table of Contents

Basics
4 Read me first
5 Package contents
6 Device layout
8 Battery
11 Memory card (microSD card)
12 Turning the device on and off
13 Touchscreen
16 Home screen
21 Lock screen
22 Notification panel
24 Entering text
26 Screen capture
27 Opening apps
27 Multi window
31 Samsung account
32 Transferring data from your previous device
35 Device and data management
37 Quick connect
40 Sharing features

Applications
41 Installing or uninstalling apps
43 Contacts
45 Internet
47 Email
48 Camera
54 Gallery
56 S Planner
58 My Files
58 Memo
59 Clock
60 Calculator
61 Kids Mode
64 Google apps

Settings
66 Introduction
66 Wi-Fi
68 Bluetooth
70 Airplane mode
70 Data usage
Table of Contents

70  More connection settings
72  Smart Manager
74  Applications
74  Sound
74  Notifications
75  Do not disturb
75  Display
76  Advanced features
76  Users
78  Wallpaper
78  Home screen
79  Lock screen and security
80  Privacy
82  Accessibility
83  Accounts
84  Backup and reset
84  Language and input
85  Battery
85  Storage
85  Accessories
86  Date and time
86  About device

Appendix
87  Troubleshooting
92  Removing the battery

Health and Safety
Basics

Read me first

Please read this manual before 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.
• Content (high quality content) that requires high CPU and RAM 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 customize 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.
• Default apps that come with the device are subject to updates and may no longer be supported without prior notice. If you have questions about an app provided with the device, contact a Samsung Service Centre. For user-installed apps, contact service providers.
• Modifying the device’s operating system or installing softwares from unofficial sources may result in device malfunctions and data corruption or loss. These actions are violations of your Samsung licence agreement and will void your warranty.
Instructional icons

⚠️ **Warning**: situations that could cause injury to yourself or others

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

_ring Bell_ **Notice**: notes, usage tips, or additional information

Package contents

Check the product box for the following items:

- Device
- USB cable
- USB power adapter
- Quick start guide

- The items supplied with the device and any available accessories may vary depending on the region or service provider.
- 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 only 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.
Device layout

Light sensor

Touchscreen

Home key

Recents key

Front camera

Power key

Volume key

Memory card slot

Back key

Multipurpose jack

Headset jack

Main antenna

Rear camera

Flash

GPS antenna

Microphone

Speaker

Speaker
Connectivity problems and battery drain may occur in the following situations:
- If you attach metallic stickers on the antenna area of the device
- If you attach a device cover made with metallic material to the device
- Use of a Samsung-approved screen protector is recommended. Unapproved screen protectors may cause the sensors to malfunction.
- Do not allow water to contact the touchscreen. The touchscreen may malfunction in humid conditions or when exposed to water.

**Keys**

<table>
<thead>
<tr>
<th>Key</th>
<th>Function</th>
</tr>
</thead>
</table>
| ![Power](image) | **Power**  
- Press and hold to turn the device on or off.  
- Press to turn on or lock the screen. |
| ![Recents](image) | **Recents**  
- Tap to open the list of recent apps.  
- Tap and hold to launch the split screen view. |
| ![Home](image) | **Home**  
- Press to turn on the screen while the screen is locked.  
- Press to return to the Home screen.  
- Press and hold to launch Google. |
| ![Back](image) | **Back**  
- Tap to return to the previous screen. |
| ![Volume](image) | **Volume**  
- Press to adjust the device volume. |
Battery

Charging the battery

Charge the battery before using it for the first time or when it has been unused for extended periods.

⚠️ Use only Samsung-approved chargers, batteries, and cables. Unapproved chargers or cables can cause the battery to explode or damage the device.

1. Connect the USB cable to the USB power adapter, and then plug the end of the USB cable into the multipurpose jack.

Connecting the charger improperly may cause serious damage to the device. Any damage caused by misuse is not covered by the warranty.

2. Plug the USB power adapter into an electric socket.

3. After fully charging, disconnect the device from the charger. First unplug the charger from the device, and then unplug it from the electric socket.

To save energy, unplug the charger when not in use. The charger does not have a power switch, so you must unplug the charger from the electric socket when not in use to avoid wasting power. The charger should remain close to the electric socket and easily accessible while charging.
Viewing the remaining charging time

While charging, open the Home screen and tap Apps → Settings → Battery.

The actual charging time may vary depending on the status of your device and the charging conditions. The remaining charging time may not be displayed when you charge the device in very cold or very hot conditions.

Reducing the battery consumption

Your device provides various options that help you conserve battery power.

• Optimize the device using the Smart manager.
• When you are not using the device, switch to sleep mode by pressing the Power key.
• Activate power saving mode.
• Close unnecessary apps.
• Deactivate the Bluetooth feature when not in use.
• Deactivate the Wi-Fi feature when not in use.
• Deactivate auto-syncing of apps that need to be synced, such as emails.
• Decrease the backlight time.
• Decrease the screen brightness.

Battery charging tips and precautions

• When the battery power is low, the battery icon appears empty.
• If the battery is completely discharged, the device cannot be turned on immediately when the charger is connected. Allow a depleted battery to charge for a few minutes before turning on the device.
• If you use multiple apps at once, network apps, or apps that need a connection to another device, the battery will drain quickly. To avoid disconnecting from the network or losing power during a data transfer, always use these apps after fully charging the battery.
• Using a power source other than the USB power adapter, such as a computer, may result in a slower charging speed due to a lower electric current.
• The device can be used while it is charging, but it may take longer to fully charge the battery.

• If the device receives an unstable power supply while charging, the touchscreen may not function. If this happens, unplug the charger from the device.

• While charging, the device and the charger may heat up. This is normal and should not affect the device's lifespan or performance. If the battery gets hotter than usual, the charger may stop charging.

• If the device is not charging properly, take the device and the charger to a Samsung Service Centre.

**Power saving mode**

Save the battery power by limiting the device's functions.

On the Home screen, tap Apps → Settings → Battery → Power saving mode, and then tap the switch to activate it.

To automatically activate power saving mode when the remaining battery power reaches the preset level, tap Start power saving and select an option.

**Ultra power saving mode**

Use this mode to extend the device's battery power. In ultra power saving mode, the device performs the following:

• Restricts the available apps to essential and selected apps only.

• Deactivates the Wi-Fi and Bluetooth features.

On the Home screen, tap Apps → Settings → Battery → Ultra power saving mode, and then tap the switch to activate it.

To deactivate ultra power saving mode, tap MORE → Turn off Ultra power saving mode.

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.
Memory card (microSD card)

Installing a memory card

Your device accepts memory cards with maximum capacity of 200 GB. Depending on the memory card manufacturer and type, some memory cards may not be compatible with your device.

- Some memory cards may not be fully compatible with the device. Using an incompatible card may damage the device or the memory card, or corrupt the data stored in it.
- Use caution to insert the memory card right-side up.
- The device supports the FAT and the exFAT file systems for memory cards. When inserting a card formatted in a different file system, the device asks to reformat the memory card.
- Frequent writing and erasing of data shortens the lifespan of memory cards.
- When inserting a memory card into the device, the memory card’s file directory appears in the My Files → SD card folder.

1. Open the cover of the memory card slot.

2. Insert a memory card with the gold-coloured contacts facing downwards.

3. Push the memory card into the slot until it locks in place.

4. Close the cover of the memory card slot.
Removing the memory card

Before removing the memory card, first unmount it for safe removal. 
On the Home screen, tap Apps → Settings → Storage → SD card → Unmount.

1. Open the cover of the memory card slot.
2. Push the memory card until it disengages from the device, and then pull it out.
3. Close the cover of the memory card slot.

⚠️ Do not remove the memory card while the device is transferring or accessing information. Doing so can cause data to be lost or corrupted or damage to the memory card or device. Samsung is not responsible for losses that result from the misuse of damaged memory cards, including the loss of data.

Formatting the memory card

A memory card formatted on a computer may not be compatible with the device. Format the memory card on the device.

On the Home screen, tap Apps → Settings → Storage → SD card → Format → FORMAT.

⚠️ Before formatting the memory card, remember to make backup copies of all important data stored in the memory card. The manufacturer’s warranty does not cover loss of data resulting from user actions.

Turning the device on and off

Press and hold the Power key for a few seconds to turn on the device. 
When you turn on your device for the first time or after performing a data reset, follow the on-screen instructions to set up your device.
To turn off the device, press and hold the Power key, and then tap Power off.

⚠️ Follow all posted warnings and directions from authorized personnel in areas where the use of wireless devices is restricted, such as airplanes and hospitals.
Restarting the device

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

Touchscreen

- Do not allow the touchscreen to come into contact with other electrical devices. Electrostatic discharges can cause the touchscreen to malfunction.
- To avoid damaging the touchscreen, do not tap it with anything sharp or apply excessive pressure to it with your fingertips.
- The device may not recognize touch inputs close to the edges of the screen, which are outside of the touch input area.
- Leaving the touchscreen idle for extended periods may result in afterimages (screen burn-in) or ghosting. Turn off the touchscreen when you do not use the device.
- It is recommended to use fingers when you use the touchscreen.
**Tapping**

To open an app, to select a menu item, to press an on-screen button, or to enter a character using the keyboard on the screen, tap it with your finger.

**Tapping and holding**

Tap and hold an item or the screen for more than 2 seconds to access available options.

**Dragging**

To move an item, tap and hold it and drag it to the target position.
Double-tapping
Double-tap on a webpage or image to zoom in. Double-tap again to return.

Swiping
Swipe to the left or right on the Home screen or the Apps screen to view other panels. Swipe upwards or downwards to scroll through a webpage or a list of items, such as contacts.

Spreading and pinching
Spread two fingers apart on a webpage, map, or image to zoom in a part. Pinch to zoom out.
Home screen

The Home screen is the starting point for accessing all of the device’s features. It displays widgets, shortcuts to apps, and more.

To view other panels, swipe to the left or right, or tap one of the screen indicators at the bottom of the screen.
Home screen options

On the Home screen, tap Apps → Settings → Home screen to access the available options. Alternatively, on the Home screen, tap and hold an empty area. Customize the Home screen by adding, deleting, or rearranging Home screen panels. You can also set the Home screen wallpaper, add widgets to the Home screen, and more.

- **Wallpapers**: Change the wallpaper settings for the Home screen and the locked screen.
- **Widgets**: Add widgets to the Home screen. Widgets are small apps that launch specific app functions to provide information and convenient access on your Home screen.

Adding items

Tap and hold an app or a folder from the Apps screen, and then drag it to the Home screen. To add widgets, tap and hold an empty area on the Home screen, tap **Widgets**, tap and hold a widget, and then drag it to the Home screen.

Moving items

Tap and hold an item on the Home screen, and then drag it to a new location. You can also move frequently used apps to the shortcuts area at the bottom of the Home screen.

To move the item to another panel, drag it to the side of the screen.

To move an item more easily, tap and hold an item, and drag it to **Move apps** at the top of the screen. The item will move to the panel at the top of the screen. Swipe to the left or right to move to another panel and drag the item to a new location.
Removing items
Tap and hold an item, and then drag it to Remove at the top of the screen.

Creating folders
Create folders and gather similar applications to quickly access and launch apps.

1 On the Home screen, tap and hold an app, and then drag it over another app.

2 Drop the app when a folder frame appears around the apps. A new folder containing the selected apps will be created.

3 Tap Enter folder name and enter a folder name. To change the folder colour, tap 📜. To add more apps to the folder, tap ⌁, tick the apps, and then tap ADD. You can also add an app by dragging it to the folder on the Home screen.

To move apps from a folder to the Home screen, tap the folder, and then drag an app to the Home screen.
To delete apps in a folder, tap the folder, and then drag the app you want to delete to Remove at the top of the screen.
Managing panels
On the Home screen, tap Apps → Settings → Home screen to add, move, or remove a panel.
To add a panel, swipe to the left, and then tap +.
To move a panel, tap and hold a panel preview, and then drag it to a new location.
To remove a panel, tap and hold a panel preview, and then drag it to Remove at the top of the screen.
To set a panel as the main Home screen, tap ⌒.

Apps screen
The Apps screen displays icons for all apps, including newly installed apps.
On the Home screen, tap Apps to open the Apps screen. To view other panels, swipe to the left or right, or select a screen indicator at the bottom of the screen.

Moving items
This feature may not be available depending on the region or service provider.

On the Apps screen, tap EDIT. Tap and hold an item and drag it to a new location.
To move the item to another panel, drag it to the side of the screen.

Creating folders
Create folders and gather similar applications to quickly access and launch apps you want.
This feature may not be available depending on the region or service provider.

1 On the Apps screen, tap EDIT.
2 Tap and hold an app, and then drag it over another app.
3  Drop the app when a folder frame appears around the apps.
A new folder containing the selected apps will be created.

4  Tap **Enter folder name** and enter a folder name.
To change the folder colour, tap 🔄.
To add more apps to the folder, tap 🆕, tick the apps, and then tap ADD. You can also add an app by dragging it to the folder on the Apps screen.

To delete a folder, select a folder with 🗑️. Only the folder will be deleted. The folder’s apps will be relocated to the Apps screen.

**Rearranging items**
You can rearrange items in alphabetical order on the Apps screen.
On the Apps screen, tap A-Z → SAVE.

**Searching for items**
You can search for items on the Apps screen.
On the Apps screen, tap SEARCH and enter characters. The device will search for and display the items containing the characters you entered.
Indicator icons

Indicator icons appear on the status bar at the top of the screen. The icons listed in the table below are most common.

The status bar may not appear at the top of the screen in some apps. To display the status bar, drag down from the top of the screen.

<table>
<thead>
<tr>
<th>Icon</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>🌐</td>
<td>Wi-Fi connected</td>
</tr>
<tr>
<td>📡</td>
<td>Bluetooth feature activated</td>
</tr>
<tr>
<td>📍</td>
<td>GPS activated</td>
</tr>
<tr>
<td>⏰</td>
<td>Alarm activated</td>
</tr>
<tr>
<td>🔇</td>
<td>Mute mode activated</td>
</tr>
<tr>
<td>🛩️</td>
<td>Airplane mode activated</td>
</tr>
<tr>
<td>🔴</td>
<td>Error occurred or caution required</td>
</tr>
<tr>
<td>🛠️</td>
<td>Battery power level</td>
</tr>
</tbody>
</table>

Lock screen

Pressing the Power key turns off the screen and locks it. Also, the screen turns off and automatically locks if the device is not used for a specified period.

The screen is locked with Swipe, the default screen lock method.

Press the Power key or the Home key and swipe in any direction to unlock the screen.
To change the screen lock method, on the Apps screen, tap **Settings → Lock screen and security → Screen lock type**, and then select a method.

When you set a pattern, PIN, or password for the screen lock method, you can protect your personal information by preventing others from accessing your device. After setting the screen lock method, the device will require an unlock code whenever unlocking it.

- **Swipe**: Swipe in any direction on the screen to unlock it.
- **Pattern**: Draw a pattern with four or more dots to unlock the screen.
- **PIN**: Enter a PIN with at least four numbers to unlock the screen.
- **Password**: Enter a password with at least four characters, numbers, or symbols to unlock the screen.
- **None**: Do not set a screen lock method.

If the unlock code is forgotten, take the device to a Samsung Service Centre to reset it.

### Notification panel

#### Using the notification panel

When you receive new notifications, indicator icons appear on the status bar. To see more information about the icons, open the notification panel and view the details.

To open the notification panel, drag the status bar downwards. To close the notification panel, swipe upwards on the screen.
You can use the following functions on the notification panel.

- Tap a notification and perform various actions.
- Access the notification settings.
- Launch Quick Connect.
- Launch Settings.
- Adjust the brightness.
- Switch between user accounts or add new user accounts.
- View more quick setting buttons.
- Clear all notifications.

**Using quick setting buttons**

Tap quick setting buttons to activate some features. Swipe to the left or right on the buttons area, or tap → to view more buttons. To view more detailed settings, tap and hold a button. To rearrange buttons, tap → EDIT, tap and hold a button, and then drag it to another location.
S Finder

Search for a wide variety of content with a keyword.

Searching for content on the device

Open the notification panel and tap → S Finder.
Enter a keyword in the search field or tap and say a keyword.
To get more refined results, tap Filter under the search field, and then select filter details.

Setting search categories

You can set search categories to search for content in specific search fields.
Tap MORE → Select search locations and select categories.

Entering text

Keyboard layout

A keyboard appears automatically when you enter text to send emails, create memos, and more.

Text entry is not supported in some languages. To enter text, you must change the input language to one of the supported languages.

Enter uppercase. For all caps, tap it twice.
Enter punctuation marks.
Change the keyboard settings.

Changing the input language

Tap → Add input languages, and then select the languages to use. When you select two or more languages, you can switch between the input languages by swiping to the left or right on the space key.
Additional keyboard functions

Tap and hold 🎧 to use various functions. Other icons may appear instead of the 🎧 icon depending on the last function that was used.

- 🎧: Enter text by voice. ??

Open Settings. Start or pause entering text by voice.

- 🖋: Switch to handwriting mode.

Switch between number mode and character mode.

Switch to the standard keyboard.

- 📋: Add an item from the clipboard.
- 😘: Enter emoticons.
- 🎨: Switch to the floating or split keyboard. You can move the keyboard to another location by dragging the tab.
- ™: Change the keyboard settings.

⚠️ This feature may not be available depending on the region or service provider.
Copying and pasting

1. Tap and hold over text.

2. Drag ☞ or ⇐ to select the desired text, or tap Select all to select all text.

3. Tap Copy or Cut.
   The selected text is copied to the clipboard.

4. Tap and hold where the text is to be inserted and tap Paste.
   To paste text that you have previously copied, tap Clipboard and select the text.

Screen capture

Capture a screenshot while using the device.

Capturing screenshots

Press and hold the Home key and the Power key simultaneously. You can view captured images in Gallery.

You can also capture screenshots by swiping your hand to the left or right across the screen. If this feature is not activated, open the Apps screen, tap Settings → Advanced features → Palm swipe to capture and tap the switch to activate it.

It is not possible to capture a screenshot while using some apps and features.

Smart capture

You can capture the current screen and scrollable area. You can also immediately crop and share the captured screen.

If this feature is not activated, open the Apps screen, tap Settings → Advanced features → Smart capture, tap the switch to activate it, and then capture a screenshot. On the screen you are capturing, use one of the following options:

- **Capture more**: Capture more content that continues across multiple screens, such as a web page. The screen will automatically scroll down and more content will be captured.
- **Share**: Share the screenshot.
- **Crop**: Crop a portion from the screenshot.
**Opening apps**

On the Home screen or the Apps screen, select an app icon to open it.
To open an app from the list of recently used apps, tap and select a recent app window.

**Closing an app**

Tap and drag a recent app window to the left or right to close it. To close all running apps, tap **CLOSE ALL**.

**Multi window**

**Introduction**

Multi window lets you run two 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](image1)
![Pop-up view](image2)

Some apps may not support this feature.
**Split screen view**

1. Tap [recent apps] to open the list of recently used apps.

2. Swipe upwards or downwards and tap [recent app window]. The selected app will launch in the upper window.

3. Swipe to the left or right to select another app to launch.

   ![Split screen view](image)

   You can also launch the split screen view by tapping and holding [recent apps].
Using additional options

When using apps in the split screen view, select an app window and tap the circle between the app windows to access the following options:

- 🔄: Switch locations between app windows.
- ⏯️: Drag and drop text or copied images from one window to another. Tap and hold an item in the selected window and drag it to a location in another window.

Some apps may not support this feature.
• ⌧: Minimize the window.
• ⌧+: Maximize the window.
• ⌧-: Close the app.

Adjusting the window size

Drag the circle between the app windows up or down to adjust the size of the windows.

Pop-up view

1 On the Apps screen, launch an app to use in the pop-up view.

2 Drag down diagonally from either end of the top edge.
   The app screen will appear in the pop-up view.
Moving pop-up windows

To move a pop-up window, tap and hold the circle on a window and drag it to a new location.

Samsung account

Introduction

Your Samsung account is an integrated account service that allows you to use a variety of Samsung services provided by mobile devices, TVs, and the Samsung website. Once your Samsung account has been registered, you can use apps provided by Samsung, without signing in to your account.

Create your Samsung account with your email address.

To check the list of services that can be used with your Samsung account, visit account.samsung.com. For more information on Samsung accounts, open the Apps screen and tap Settings → Accounts → Samsung account → Help.

Registering your Samsung account

Registering a new Samsung account

If you do not have a Samsung account, you should create one.

1. On the Apps screen, tap Settings → Accounts → Add account.
2. Tap Samsung account → CREATE ACCOUNT.
3. Follow the on-screen instructions to complete creating your account.

Registering an existing Samsung account

If you already have a Samsung account, register it to the device.

1. On the Apps screen, tap Settings → Accounts → Add account.
2. Tap Samsung account.
Enter your email address and password, and then tap **SIGN IN**.

If you forget your account information, tap **Forgotten your ID or password?** You can find your account information when you enter the required information and security code displayed that is on the screen.

### Removing your Samsung account

When you remove your registered Samsung account from the device, your data, such as contacts or events, will also be removed.

1. On the Apps screen, tap **Settings → Accounts**.
2. Tap **Samsung account** and tap the account to remove.
3. Tap **MORE → Remove account → REMOVE ACCOUNT**.
4. Enter your Samsung account password and tap **CONFIRM**.
5. Tap **REMOVE ACCOUNT**.

### Transferring data from your previous device

You can transfer data from a previous device to your device via Samsung Smart Switch.

The following versions of Samsung Smart Switch are available.

- **Mobile version**: Transfer data between mobile devices. You can download the app from **Galaxy Apps** or **Play Store**.
- **Computer version**: Transfer data between your device and a computer. You can download the app from **www.samsung.com/smartswitch**.

- Samsung Smart Switch is not supported on some devices or computers.
- Limitations apply. Visit [www.samsung.com/smartswitch](http://www.samsung.com/smartswitch) for details. Samsung takes copyright seriously. Only transfer content that you own or have the right to transfer.
Transferring data wirelessly
Transfer data from your previous device to your device.

1. On the previous device, download and install Smart Switch from Galaxy Apps or Play Store.
2. Place the devices near each other.
3. Launch Smart Switch on both devices.
4. On your device, select the previous device type from the list and tap START.
5. Follow the on-screen instructions to transfer data from your previous device.
Transferring backup data from a computer

Back up data from your previous device to a computer and import the data to your device.

1. On the computer, visit www.samsung.com/smartswitch to download Smart Switch.
2. On the computer, launch Smart Switch.
   - If your previous device is not a Samsung device, back up data to a computer using a program provided by the device’s manufacturer. Then, skip to the fifth step.
3. Connect your previous device to the computer using the USB cable.
4. On the computer, follow the on-screen instructions to back up data from the device. Then, disconnect your previous device from the computer.
5. Connect your device to the computer using the USB cable.
6. On the computer, follow the on-screen instructions to transfer data to your device.
Device and data management

Connecting the device to a computer for data transfer

Move audio, video, image, or other types of files from the device to the computer, or vice versa.

- Do not disconnect the USB cable from the device when you are transferring files. Doing so may cause data loss or device damage.
- The devices may not connect properly if they are connected via a USB hub. Directly connect the device to the computer’s USB port.

1. Connect the device to the computer using the USB cable.
2. Open the notification panel, and then tap Transferring media files via USB → Transferring media files.
   - If the computer cannot recognize your device, tap Transferring images.
   - When the computer recognizes your device, the device will appear in My PC.
3. Transfer files between your device and the computer.

Updating the device

The device can be updated to the latest software.

Updating over the air

The device can be directly updated to the latest software by the firmware over-the-air (FOTA) service.

On the Apps screen, tap Settings → About device → Download updates manually.

- When you tap the Download update automatically switch to activate it, updates will be downloaded when the device is connected to a Wi-Fi network.
Updating with Smart Switch

Connect the device to a computer and update the device to the latest software.

1. On the computer, visit [www.samsung.com/smartswitch](http://www.samsung.com/smartswitch) to download and install Smart Switch.

2. On the computer, launch Smart Switch.

3. Connect the device to the computer using a USB cable.

4. If a software update is available, follow the on-screen instructions to update the device.

   • Do not turn off the computer or disconnect the USB cable while the device is updating.
   • While updating the device, do not connect other media devices to the computer. Doing so may interfere with the update process. Before updating, disconnect all other media devices from the computer.

Backing up and restoring data

Keep your personal information, app data, and settings safe on your device. You can back up your sensitive information to a backup account and access it later. You must sign in to your Google or Samsung account to back up or restore data. Refer to Samsung account and Accounts for more information.

Using a Samsung account

On the Apps screen, tap Settings → Backup and reset → Back up my data for the Samsung account, tap the switches next to the items you want to back up to activate them, and then tap BACK UP NOW.

To set the device to automatically back up data, tap the Auto back up switch to activate it.

To restore data using a Samsung account, tap Restore. Current data will be deleted from the device to restore the selected items.
Using a Google account

On the Apps screen, tap Settings → Backup and reset → Back up my data for the Google account, and then tap the switch to activate it. Tap Backup account and select an account as the backup account.

To restore data using a Google account, tap the Automatic restore switch to activate it. When you reinstall apps, backed up settings and data will be restored.

Performing a data reset

Delete all settings and data on the device. Before performing a factory data reset, ensure you back up all important data stored on the device. Refer to Backing up and restoring data for more information.

On the Apps screen, tap Settings → Backup and reset → Factory data reset → RESET DEVICE → DELETE ALL. The device automatically restarts.

Quick connect

Introduction

Quickly search for and connect with nearby devices, such as Bluetooth headsets or TVs, using the Quick connect feature.

- If the device you want to connect does not support the Quick connect feature, activate its Wi-Fi Direct or Bluetooth feature before launching Quick connect on your device.
- Connection methods may vary depending on the type of connected devices or the shared content.
Connecting to other devices

1 Open the notification panel and tap **Quick connect**. 
The Wi-Fi and Bluetooth features are activated automatically.

   If **Quick connect** is not visible on the notification panel, tap → EDIT and tap the
   **Quick connect** switch to activate it.

2 Tap **Scan for nearby devices**. 
   If there is no previously connected device, the device will automatically search for nearby devices.

3 Select a device from the list and connect to it by following the on-screen instructions. 
The next steps may vary depending on the connected device.
To change your device’s visibility setting, tap MORE → **Set device visibility**, and then select an option.

Sharing content

Share content with the connected devices.

1 Open the notification panel and tap **Quick connect**.

2 Tap **Scan for nearby devices**.

3 Select a device from the list of detected devices.

4 Tap **Share content** and select a media category.

5 Follow the on-screen instructions to send content to the connected device. 
The next steps may vary depending on the selected media category.
Connecting to a TV

Connect your device and a TV to view the device’s content on the larger screen. You may be able to use more features depending on the connected TV.

1. Turn on the TV and place your device close to the TV.
2. Open the notification panel and tap Quick connect → Scan for nearby devices.
3. Select the TV.
   The list of features you can use with the TV appears.
4. Select a feature and follow the on-screen instructions to use the feature.

   Available features may vary depending on the TV.

   - **Smart View**: View your device’s content on the TV screen. You may need to activate the Screen Mirroring feature on the TV depending on the TV you want to connect. If the TV does not support the Screen Mirroring feature, use compatible accessories to enable the feature. Compatible accessories include HomeSync and an AllShare Cast dongle.
   - **TV to mobile device**: Watch TV on your device’s screen. You can continue watching TV within the allowed connection range.
   - **Control TV**: Use your device as a remote control for the TV.
   - **TV sound to mobile device**: Listen to the sound via the device’s speaker while watching the TV. You can connect a headset to the device so that others do not hear the TV sound.
   - **Briefing on TV**: Set the TV to turn on automatically according to the preset time set on your device and to display the time, weather, and your schedule information on the screen. To use this feature, your device and the TV must be connected to the same access point.
   - **Register TV / Deregister TV**: Register the TV to your device to use additional features, such as Control TV and Briefing on TV.

   - Some files may be buffered during playback, depending on the connection.
   - If the TV does not support High-bandwidth Digital Content Protection (HDCP), you cannot view Digital Rights Management (DRM)-protected content on the TV.
Streaming content on the registered TV

If you register a TV to your device, you can more easily connect to the TV while playing content.

When your device recognizes the registered TV while you are watching content, the icon will appear on the device. Tap the icon to stream the content from your device to your TV.

- This feature is supported only by the device’s default gallery app.
- When the registered TV is connected to an electric socket, you can use this feature even if the TV screen is turned off.

Sharing features

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

1. Tap Gallery on the Apps screen.

2. Select an image.

3. Tap Share and select a sharing method, such as Bluetooth and email.

   You can also use the following options:
   
   - **Smart View**: View your device’s displayed content on a larger screen via a wireless connection.
   - **Nearby sharing**: Share content with nearby devices via Wi-Fi Direct, Bluetooth, and more.
   - **Print**: Print content using the printer plug-ins installed on the device.

4. Follow the on-screen instructions to share the image with others.

When the image is sent to the recipients’ devices, a notification will appear on their devices. Tap the notification to view or download the image.
Applications

Installing or uninstalling apps

Galaxy Apps
Purchase and download apps. You can download apps that are specialized for Samsung Galaxy devices.
Tap Galaxy Apps on the Apps screen.

⚠️ This app may not be available depending on the region or service provider.

Installing apps
Browse apps by category or tap SEARCH to search for a keyword.
Select an app to view information about it. To download free apps, tap INSTALL. To purchase and download apps where charges apply, tap the price and follow the on-screen instructions.

⚠️ To change the auto update settings, tap → Settings → Auto update apps, and then select an option.

Play Store
Purchase and download apps.
Tap Play Store on the Apps screen.

Installing apps
Browse apps by category or tap the search field to search for a keyword.
Select an app to view information about it. To download free apps, tap INSTALL. To purchase and download apps where charges apply, tap the price and follow the on-screen instructions.

⚠️ To change the auto update settings, tap → Settings → Auto-update apps, and then select an option.
Managing apps

Uninstalling or disabling apps
On the Apps screen, tap EDIT. The icon appears on the apps that you can disable or uninstall. Select an app and tap TURN OFF or OK. Alternatively, on the Apps screen, tap Settings → Applications → Application manager, select an app, and then tap DISABLE or UNINSTALL.

- TURN OFF/DISABLE: Disable selected default apps that cannot be uninstalled from the device.
- UNINSTALL: Uninstall downloaded apps.

Enabling apps
On the Apps screen, tap Settings → Applications → Application manager. Select a disabled app (indicated at the right side), and then tap ENABLE.

Setting app permissions
For some apps to operate properly, they may need permission to access or use information on your device. When you open an app, a pop-up window may appear and request access to certain features or information. Tap ALLOW on the pop-up window to grant permissions to the app.

To view your app permission settings, open the Apps screen and tap Settings → Applications → Application manager. Select an app and tap Permissions. You can view the app’s permissions list and change its permissions.

To view or change app permission settings by permission category, open the Apps screen, tap Settings → Privacy → App permissions. Select an item and tap the switches next to apps to grant permissions.

If you do not grant permissions to apps, the basic features of the apps may not function properly.
Contacts

Introduction
Create new contacts or manage contacts on the device.

Adding contacts

Creating contacts manually

1. Tap Contacts on the Apps screen.
2. Tap and select a storage location.
3. Enter contact information.
   • : Add an image.
   • +/ -: Add or delete a contact field.
4. Tap SAVE.

Importing contacts
Import contacts from storage services to your device.

1. Tap Contacts on the Apps screen.
2. On the contacts list, tap MORE → Settings → Import/Export contacts → IMPORT and select an import option.
Searching for contacts

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

Use one of the following search methods:

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

Once a contact is selected, take one of the following actions:

- ⭐ : Add to favourite contacts.
- 🔍 : Compose an email.

Sharing contacts

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

1. Tap **Contacts** on the Apps screen.
2. Tap **MORE → Share**.
3. Tick contacts and tap **SHARE**.
4. Select a sharing method.
Applications

**Internet**

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

**Browsing webpages**

1. Tap **Internet** on the Apps screen.

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.

- Move to the previously visited page.
- Close the tab.
- Open a new tab.
- Access additional options.
- View your bookmarks, saved webpages, and recent browsing history.
- Open the homepage.
- Refresh the current webpage.
Using secret mode

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

Activating secret mode

Tap MORE → 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, you cannot use some features, such as screen capture.

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

Changing security settings

You can change your password or the lock method.

Tap MORE → Settings → Privacy → Secret mode security → Change password.

Deactivating secret mode

Tap MORE → Disable Secret mode. Alternatively, close the Internet app.
Email

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

1. Tap Email on the Apps screen.

2. Enter the email address and password, and then tap SIGN IN.
   To manually register a company email account, tap MANUAL SETUP.

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

To set up another email account, tap MORE → Settings → Add account.
If you have more than one email account, you can set one as the default account. Tap MORE → Settings → MORE → Set default account.

Sending emails

1. Tap 📩 to compose an email.

2. Add recipients and enter an email text.

3. Tap SEND 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 screen.

Tap an email on the screen to read it.

⚠️ If email syncing is disabled, new emails cannot be retrieved. To enable email syncing, tap MORE → Settings → 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.

Basic shooting
You can take photos or record videos. View your photos and videos in Gallery.
Tap Camera on the Apps screen.

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.

Taking photos or recording videos
1 Tap the image on the preview screen where the camera should focus.

2 Tap 📸 to take a photo or tap 🎥 to record a video.
  • Spread two fingers apart on the screen to zoom in, and pinch to zoom out.
  • To adjust the brightness of photos or videos, tap the screen. When the adjustment bar appears, drag the adjustment bar towards + or −.
  • To change the focus while recording a video, tap where you want to focus. To focus on the centre of the screen, tap 🕵️️.
On the preview screen, swipe to the right to access the list of shooting modes. Or, swipe to the left to view photos and videos you have captured.

- 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 clean. Otherwise, the device may not work properly in some modes that require high resolutions.

### Launching Camera on the locked screen

To quickly take photos, launch Camera on the locked screen.

On the locked screen, drag 📷 outside the large circle.

- This feature may not be available depending on the region or service provider.
- Some camera features are not available when you launch Camera from the locked screen while the security features are activated.

### Customizing shooting modes

On the preview screen, tap MODE and select a mode.

To view information for each mode, tap INFO.

To rearrange modes, tap MORE → Edit, tap and hold a mode icon, and then drag it to a new location.

To add mode shortcuts to the Home screen, tap MORE → Add shortcut on home screen.
**Auto mode**

Auto mode allows the camera to evaluate the surroundings and determine the ideal mode for the photo.

On the preview screen, tap **MODE → Auto**.

**Pro mode**

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

On the preview screen, tap **MODE → Pro**. Select options and customize the settings, and then tap 📷 to take a photo.

- **WB**: Select an appropriate white balance, so images have a true-to-life colour range.
- **ISO**: 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.
- **直辖**: Change the exposure value. This determines how much light the camera’s sensor receives. If the image is too dark, increase the exposure. If the image is too light, decrease the exposure.

**Panorama**

Take a series of photos horizontally or vertically and then stitch them together to create a wide image.

On the preview screen, tap **MODE → Panorama**.

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.
- Avoid taking photos of indistinct backgrounds, such as an empty sky or a plain wall.

**Continuous shot**

Take a series of photos of moving subjects.

On the preview screen, tap **MODE → Continuous shot**.

Tap and hold 📷 to take several photos continuously.
**HDR (Rich tone)**

Take photos with rich colours and reproduce details even in bright and dark areas. On the preview screen, tap **MODE → HDR (Rich tone)**.

![Without effect](image1) ![With effect](image2)

**Selfie**

Take self-portraits with the front camera. You can preview various beauty effects on the screen.

1. On the preview screen, tap ![front camera icon](image3) to switch to the front camera for self-portraits.
2. Tap **MODE → Selfie**.
3. Face the front camera lens.
4. When the device detects your face, tap the screen to take a photo of yourself. Alternatively, show your palm to the front camera. After recognizing your palm, a countdown timer will appear. When the time is up, the device will take a photo.

To use various shooting options for the front camera, tap **Settings → Shooting methods (front)**, and then tap the switches to activate them.
Night
Take a photo in low-light conditions, without using the flash.
On the preview screen, tap MODE → Night.

Beauty face
Take a photo with softened faces for gentler images.
On the preview screen, tap MODE → Beauty face.

Sports
Take a photo of fast-moving subjects.
On the preview screen, tap MODE → Sports.

Sound & shot
Take a photo with sound. The device identifies the photos with 🎧 in Gallery.
On the preview screen, tap MODE → Sound & shot.

Camera settings

Quick settings
On the preview screen, use the following quick settings.

The available options may vary depending on the shooting mode and which camera is being used.

- 🌟: Select a filter effect to use when taking photos or recording videos.
- 📬: Set the device to record sound before or after taking a photo.
- ☀️: Select a metering method. This determines how light values are calculated. **Center-weighted** uses the light in the centre portion of the shot to calculate the exposure of the shot. **Spot** uses the light in a concentrated centre area of the shot to calculate the exposure of the shot. **Matrix** averages the entire scene.
• 🕒: Select the length of the delay before the camera automatically takes a photo.
• 📸: Select a resolution for photos. Using a higher resolution will result in higher quality photos, but they will take up more memory.

Camera settings

On the preview screen, tap Settings.

The available options may vary depending on the shooting mode and which camera is being used.

• Video size (rear) / Video size (front): Select a resolution for videos. Using a higher resolution will result in higher quality videos, but they will take up more memory.
• Save pictures as previewed: Invert the image to create a mirror-image of the original scene, when taking photos with the front camera.
• Full screen view (16:9): Set the device to preview photos or videos using the full screen ratio.
• Grid lines: Display viewfinder guides to help composition when selecting subjects.
• Location tags: Attach a GPS location tag to the photo.
  • GPS signal strength may decrease in locations where the signal is obstructed, such as between buildings or in low-lying areas, or in poor weather conditions.
  • Your location may appear on your photos when you upload them to the Internet. To avoid this, deactivate the location tag setting.
• Shooting methods (front): Select shooting options to use.
• Review pictures: Set the device to show photos after capturing them.
• Volume keys function: Set the device to use the Volume key to control the shutter or zoom function.
• Reset settings: Reset the camera settings.
**Gallery**

**Introduction**
View and manage photos and videos stored in the device.

**Viewing images**

1. Tap **Gallery** on the Apps screen.
2. Select an image or a video.

To hide or show the menus, tap the screen.
Viewing videos

1 Tap Gallery on the Apps screen.

2 Select a video to play. Video files show the ➤ icon on the preview thumbnail.

- Display your videos.
- Access additional options.
- Rewind or fast-forward by dragging the bar.
- Pause and resume playback.
- Move the control panel to the left.
- Adjust the volume.
- Move the control panel to the right.
- Change screen ratio.
- Switch to the pop-up video player.
- Skip to the previous video. Tap and hold to rewind.
- Skip to the next video. Tap and hold to fast-forward.

Drag your finger up or down on the left side of the playback screen to adjust the brightness, or drag your finger 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.
Deleting images or videos

Deleting an image or a video
Select an image or a video and tap **Delete** at the bottom of the screen.

Deleting multiple images and videos

1. On the Gallery main screen, tap and hold an image or a video to delete.
2. Tick the images or videos to delete.
3. Tap **DELETE**.

Sharing images or videos
Select an image or a video, tap **Share** at the bottom of the screen, and then select a sharing method.

S Planner

Introduction
Manage your schedule by entering upcoming events or tasks in your planner.

Creating events

1. Tap **S Planner** on the Apps screen.
2. Tap + or double-tap a date.
   - If the date already has saved events or tasks in it, tap the date and tap +.
3. Enter event details.
4. Tap SAVE to save the event.

Creating tasks

1. Tap S Planner on the Apps screen.
2. Tap TASKS.
3. Enter task details and tap TODAY or TOMORROW to set a due date.
   To add more details, tap ☐.
4. Tap SAVE to save the task.

Syncing events and tasks with your accounts

On the Apps screen, tap Settings → Accounts, select an account service, and then tap the Sync Calendar switch to sync events and tasks with the account.

To add accounts to sync with, open the Apps screen and tap S Planner → MORE → Manage calendars → Add account. Then, select an account to sync with and sign in. When an account is added, it will appear on the list.
My Files
Access and manage various files stored in the device.
On the Apps screen, tap My Files.
View files by category or view files stored in the device.
To check the status of used and available memory, tap STORAGE USAGE.
To search for files or folders, tap SEARCH.

Memo
Create memos and organize them by category.
On the Apps screen, tap Memo.

Composing memos
Tap + on the memos list and enter a memo. While composing a memo, use the following options:

- **Category**: Create or set a category.
- **Tasks**: Add tick boxes at the beginning of each row to create a list of tasks.
- **Image**: Insert images.
- **Drawing**: Write or draw memos to insert. You can select pen thickness and colour.
- **Voice**: Make a voice recording to insert.

To save the memo, tap SAVE.
To edit a memo, tap a memo, and then tap the content of the memo.

Searching for memos
Tap SEARCH on the memos list and enter a keyword to search for memos that include the keyword.
**Clock**

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

**ALARM**
On the Apps screen, tap Clock → ALARM.

**Setting alarms**
Set an alarm time and tap SAVE.
To open the keypad to enter an alarm time, tap the time input field.
To set an alarm with various alarm options, tap OPTIONS, set alarm options, and then tap SAVE.
To activate or deactivate alarms, tap the clock icon next to the alarm in the alarms list.

**Stopping alarms**
Tap DISMISS to stop an alarm. If you have previously enabled the snooze option, tap SNOOZE to repeat the alarm after a specified length of time.

**Deleting alarms**
Tap X on an alarm in the list of alarms.

**WORLD CLOCK**
On the Apps screen, tap Clock → WORLD CLOCK.

**Creating clocks**
Enter a city name or select a city from the globe, and then tap +.

**Deleting clocks**
Tap X on a clock.
STOPWATCH

1. On the Apps screen, tap Clock → STOPWATCH.

2. Tap START to time an event.
   To record lap times while timing an event, tap LAP.

3. Tap STOP to stop timing.
   To restart the timing, tap RESUME.
   To clear lap times, tap RESET.

TIMER

1. On the Apps screen, tap Clock → TIMER.

2. Set the duration, and then tap START.
   To open the keypad to enter the duration, tap the duration input field.

3. Tap DISMISS when the timer goes off.

Calculator

Perform simple or complex calculations.
Tap Calculator on the Apps screen.
You can see the calculation history at the upper part of the screen.
To clear the history, tap CLEAR HISTORY.
**Kids Mode**

Use this widget to provide a fun and safe environment for children by restricting children’s access to certain apps or content.

Before you use this widget, you need to download and install it. On the Home screen, tap **Kids Mode → Install**. When it is installed, the widget appears on the Home and App screens.

To start kids mode, tap **Kids Mode** on the Home or Apps screen.

When you launch this widget for the first time, follow the on-screen instructions to set up the app.

If the **Kids Mode** widget is accidentally uninstalled, you can reinstall it. On the Home screen, tap and hold an empty area, tap **Widgets**, tap and hold the **Kids Mode** widget. Drag the widget to the Home screen and tap **Kids Mode** to reinstall it.

**Kids mode home screen**

The Home screen is the starting point to access all of apps in kids mode.
Use this app to take photos or videos.

Use this app to view saved images, drawings, voice recordings, and media files that you allow your child to access.

View and add additional apps just for kids. Apps can only be purchased or downloaded via Parental control.

Play music saved on the device. Music must be added via Parental controls.

Use this app to play video files saved on the device. Videos must be added via Parental controls.

Use this app to create a drawing with a pen, a brush, and more.

Use this app to record or play voice recordings.

Use this app to record or play voice recordings.
Kids mode play area

In the Play Area you can interact with characters, background objects, and more.

Parental control

Use this feature to set restrictions for kids mode to control access to content and apps. You can change kids mode settings, usage time limits, and more.

On the Home screen, tap 📖 and enter the PIN.

- **Name**: View and edit children's profile.
- **Activity information**: View information about how your children use the device, such as playing duration and frequently-used apps.
- **Daily playtime limit**: Set a time limit to manage your children's usage.
- **Apps**: View and add apps that are allowed to be used in kids mode.
- **Media**: Allow your children to access certain images and videos saved on the device.
- **Music**: Allow your children to access certain music saved on the device.
- **Kids Store**: Download apps for kids from Samsung Apps.

To exit parental control, press the Home button.
Google apps

Google provides entertainment, social network, and business apps. You may require a Google account to access some apps. Refer to Accounts for more information.
To view more app information, access each app's help menu.

Some apps may not be available or may be labelled differently depending on the region or service provider.

Chrome
Search for information and browse webpages.

Gmail
Send or receive emails via the Google Mail service.

Maps
Find your location on the map, search for locations, and view location information for various places.

Play Music
Discover, listen to, and share music on your device.

Play Movies
Download videos to watch 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.
Applications

**Photos**
Search for, manage, and edit all your photos and videos from various sources in one place.

**Hangouts**
Chat with your friends individually or in groups and use images, emoticons, and video calls while you are chatting.

**Google**
Search quickly for items on the Internet or your device.
Introduction

Customize settings for functions and apps. You can make your device more personalized by configuring various setting options.

On the Apps screen, tap Settings.

To search for settings by entering keywords, tap SEARCH.

Wi-Fi

Connecting to a Wi-Fi network

Activate the Wi-Fi feature to connect to a Wi-Fi network and access the Internet or other network devices.

1. On the Settings screen, tap Wi-Fi, and then tap the switch to activate it.

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

3. Tap CONNECT.

   • 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 connecting to the network automatically, select it from the list of networks and tap FORGET.

   • If you cannot connect to a Wi-Fi network properly, restart your device’s Wi-Fi feature or the wireless router.
Wi-Fi Direct

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

1. On the Settings screen, tap Wi-Fi, and then tap the switch to activate it.

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.

Sending and receiving data

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

1. Tap Gallery on the Apps screen.

2. Select an image.

3. Tap Share → Wi-Fi Direct and select a device to transfer the image to.

4. Accept the Wi-Fi Direct connection request on the other device.
   
   If the devices are already connected, the image will be sent to the other device without the connection request procedure.
Ending the device connection

1. Tap Wi-Fi on the Settings screen.
2. Tap Wi-Fi Direct.
   The device displays the connected devices in the list.
3. Tap the device name to disconnect the devices.

Bluetooth

Introduction

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

- Samsung is not responsible for the loss, interception, or misuse of data sent or received via 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 Bluetooth, and then tap the switch to activate it.
   The detected devices are listed.
2. Select a device to pair with.
   If the device you want to pair with is not in the list, request that the device turns on its visibility option. Refer to the other device’s user manual.
Your device is visible to other devices while the Bluetooth settings screen is open.

3 Accept the Bluetooth connection request on your device to confirm.
   The devices will be connected when the other device accepts the Bluetooth connection request.

**Sending and receiving data**

Many apps support data transfer via 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 Tap **Gallery** on the Apps screen.

2 Select an image.

3 Tap **Share → Bluetooth**, and then select a device to transfer the image to.
   If your device has paired with the device before, tap the device name without confirming the auto-generated passkey.
   If the device you want to pair with is not in the list, request that the device turns on its visibility option.

4 Accept the Bluetooth connection request on the other device.

**Unpairing Bluetooth devices**

1 Tap **Bluetooth** on the Settings screen.
   The device displays the paired devices in the list.

2 Tap 🔒 next to the device name to unpair.

3 Tap **Unpair**.
Airplane mode

This disables all wireless functions on your device. You can use only non-network services.
On the Settings screen, tap Airplane mode.

⚠️ Make sure the device is turned off during takeoff and landing. After takeoff, you can use the device in flight mode if allowed by aircraft personnel.

Data usage

Keep track of your data usage amount.
On the Settings screen, tap Data usage.

More connection settings

Options

Customize settings to control other features.
On the Settings screen, tap More connection settings.

- Nearby device scanning: Set the device 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 and connect to virtual private networks (VPNs).
- Ethernet: The Ethernet option is available when an Ethernet adapter is connected to the device. Use this option to activate the Ethernet feature and configure network settings.
- Screen share: Allow sharing your device screen with supported devices using Smart View or Screen Mirroring
Printing

Configure settings for printer plug-ins installed on the device. You can connect the device to a printer via 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.

2. Search for a printer plug-in in Play Store.
3. Select a printer plug-in and install it.
4. Select the printer plug-in and tap the switch to activate it.

The device searches for printers that are connected to the same Wi-Fi network as your device.

To add printers manually, tap MORE → Add printer → ADD PRINTER.

To change print settings, tap MORE → Printing settings.

Printing content

While viewing content, such as images or documents, tap Share → Print → All printers, and then select a printer.
Smart Manager

Introduction
The Smart manager provides an overview of the status of your device's battery, storage, RAM, and system security. You can also automatically optimize the device with one tap of your finger.

Using the quick optimization feature
On the Settings screen, tap Smart Manager → CLEAN ALL.
The quick optimization feature improves device performance through the following actions.

• Clearing some memory.
• Deleting unnecessary files and closing apps running in the background.
• Scanning for malware.
Battery

On the Settings screen, tap **Smart Manager → Battery**.

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

- 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 cannot receive notifications from apps that use power saving mode.

Managing the battery

To save battery power by setting whether to optimize the battery usage for each app, tap **DETAILS** for the app power saving and tap the switch to activate it.

Storage

Check the status of the used and available memory.

On the Settings screen, tap **Smart Manager → Storage**.

Managing the memory

To delete residual files, such as cache, tap **DELETE**. To delete files or uninstall apps that you do not use any more, tap **DETAILS** for the user data and select a category. Then, tick items to select and tap **DELETE**.

RAM

On the Settings screen, tap **Smart Manager → RAM**.

To speed up your device by reducing the amount of RAM you are using, tap **END ALL** to close all background apps.

Device security

Check the device’s security status. This feature scans your device for malware.

On the Settings screen, tap **Smart Manager → Device security**.
Settings

Applications
Manage the device’s apps and change their settings.
On the Settings screen, tap Applications.

- **Application manager**: View and manage the apps on your device.
- **Default applications**: Select a default setting for using apps.
- **Application settings**: Customize the settings for each app.

Sound
Change settings for various sounds on the device.
On the Settings screen, tap Sound.

- **Sound mode**: Set the device to use sound mode or silent mode.
- **Volume**: Adjust the volume level for music and videos, system sounds, and notifications.
- **Notification sounds**: Select a default notification sound. You can also change the notification settings for each app.
- **Touch sounds**: Set the device to sound when you select an app or option on the touchscreen.
- **Screen lock sounds**: Set the device to sound when you lock or unlock the touchscreen.
- **Charging sound**: Set the device to sound when it is connected to a charger.
- **Keyboard sound**: Set the device to sound when a key is touched.
- **Sound quality and effects**: Configure additional sound settings.

Notifications
Change the notification settings for each app.
On the Settings screen, tap Notifications.
To customize notification settings, tap ADVANCED and select an app.

- **Allow notifications**: Allow notifications from the selected app.
- **Set as priority**: Display notifications at the top of the notification panel and include them in the allowed list when Do not disturb is activated.
- **Previews in pop-ups**: Display notification previews in pop-up windows.
- **Hide on lock screen**: Hide notifications from the selected app when the device is locked.
• **Hide content on lock screen:** Hide the content of notifications from the selected app when the device is locked.

• **More settings:** Customize additional notification settings for the selected app.

### Do not disturb

Set the device to mute notification sounds, except for allowed exceptions.

On the Settings screen, tap **Sound → Do not disturb**.

• **Turn on now:** Activate Do not disturb mode immediately.

• **Turn on as scheduled:** Activate Do not disturb mode at preset times. You can select days and set the start and end times.

• **Allow exceptions:** Customize the settings for allowed exceptions.

### Display

Change the display settings.

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

• **Brightness:** Adjust the brightness of the display.

• **Font:** Change the font size and type.

• **Icon backgrounds:** Set whether to display shaded backgrounds to make icons stand out.

• **Screen timeout:** Set the length of time the device waits before turning off the display’s backlight.

• **Smart stay:** Set the device to prevent the display backlight from turning off while you are looking at the display.

• **Screensaver:** Set the device to launch a screensaver when the device is charging or connected to a dock.
Advanced features

Activate advanced features and change the settings that control them.

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

![Warning icon] Excessive shaking or impact to the device may cause unintended input for some features.

- **Pop-up view gesture**: Set the device to view the app screen in the pop-up view. Refer to [Pop-up view](#) for more information.

- **Smart capture**: Set the device to capture content that continues across multiple screens, and crop and share the screenshot immediately. Refer to [Smart capture](#) for more information.

- **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 view the captured images in [Gallery](#).

![Warning icon] It is not possible to capture a screenshot while using some apps and features.

- **Easy mute**: Set the device to mute alarms by using palm motions.

Users

Set up additional user accounts for other users to use the device with personalized settings, such as email accounts, wallpaper preferences, and more. Following types of user accounts are available:

- **Owner**: The owner 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**: This account allows guests to access the device. 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.

- **User**: This account allows users to access their own apps and content, and customize the device settings that affect all accounts.

- **User (restricted profile)**: A restricted account can only access the apps and content allowed by the owner account, and cannot use the services that require logging in.
Adding users

1. On the Settings screen, tap Users.

2. Tap Add user or profile → User → OK → SET UP NOW.
   The device will switch to a new user account and the default locked screen will appear on the screen.

3. Unlock the device and follow the on-screen instructions to complete the account setup.

Adding restricted profiles

1. On the Settings screen, tap Users.

2. Tap Add user or profile → User (restricted profile).
   If you are not using a secure screen lock method with the owner account, follow the on-screen instructions to set one up.

3. Select the apps and content that restricted users are allowed to access.

Switching users

Tap the user account icon at the top of the locked screen or the notification panel, and then select an account to switch to.
Managing users

When using the owner account, you can delete accounts or change the settings for restricted accounts.

To delete a user account, tap ⌁ next to an account to delete it.

To change the settings for a restricted account, tap ⌉ next to an account. You can delete the account by tapping ⌁.

Wallpaper

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

On the Settings screen, tap Wallpaper.

Home screen

Customize the Home screen by adding, deleting, or rearranging Home screen panels, and more.

Refer to Home screen options for more information.

On the Settings screen, tap Home screen.
Lock screen and security

Change the settings for securing the device.

On the Settings screen, tap Lock screen and security.

The available options may vary depending on the screen lock method selected.

- **Screen lock type**: Change the screen lock method.
- **Info and app shortcuts**: Change settings for the items displayed on the locked screen.
- **Notifications on lock screen**: Set whether or not to show notification content on the locked screen and select which notifications to display.
- **Secure lock settings**: Change screen lock settings for the selected lock method.
- **Find My Mobile**: Activate or deactivate the Find My Mobile feature. Access the Find my mobile website (findmymobile.samsung.com) to track and control your lost or stolen device.
- **Unknown sources**: Set the device to allow the installation of apps from unknown sources.
- **Secure startup**: Your device’s data is encrypted to prevent others from accessing it if the device is lost or stolen. To use your encrypted device, you must decrypt the device’s data every time you turn on the device. You can set whether your device’s data will be decrypted automatically or whether an unlock code is required. It is not possible to back up or restore data when it is encrypted. If you enter the unlock code incorrectly several times in a row and reach the attempt limit, your device will perform a factory data reset.
- **Encrypt SD card**: Set the device to encrypt files on a memory card.

If you reset your device to the factory defaults with this setting enabled, the device will not be able to read your encrypted files. Disable this setting before resetting the device.

- **Other security settings**: Configure additional security settings.
Privacy

Options
Change the settings for maintaining your privacy.
On the Settings screen, tap Privacy.

- **Location**: Change settings for location information permissions.
- **App permissions**: View the list of features and apps that have permission to use them. You can also edit the permission settings. Refer to Setting app permissions for more information.
- **Private mode**: Activate private mode to prevent others from accessing your personal content. Refer to Private mode for more information.
- **Report diagnostic info**: Set the device to automatically send the device's diagnostic and usage information to Samsung.

Private mode
Hide personal content in your device to prevent others from accessing it.

Activating private mode

1. On the Settings screen, tap Privacy → Private mode, and then tap the switch to activate it.

   If you are activating private mode for the first time, follow the on-screen instructions to set up a private mode access code.

2. Follow the on-screen instructions to enter the preset private mode access code.

   Private mode is activated and the icon appears on the status bar.

   You can view and access the hidden items only when private mode is activated. To hide items stored in the private folder, deactivate private mode.
**Hiding content**

1. On the Apps screen, launch an app to hide items.

2. Select an item and tap **MORE → Move to Private**.

   If private mode is not activated, follow the on-screen instructions to enter the preset private mode access code.

   The selected items will be moved to the private folder.

**Viewing hidden content**

You can view hidden items only when private mode is activated.

1. On the Settings screen, tap **Privacy → Private mode**, and then tap the switch to activate it.

2. Follow the on-screen instructions to enter the preset private mode access code.

3. On the Apps screen, tap **My Files → Private**.

   Items moved to the private folder will appear on the screen.

**Unhiding content**

1. In the private folder, tap and hold an item to, and then tick items to unhide.

2. Tap **MORE → Remove from Private**.

3. Select a folder to move the items to, and then tap **DONE**.

   The items will be moved to the selected folder.
Automatically deactivating private mode

You can set the device to automatically deactivate private mode each time the screen turns off.

1. On the Settings screen, tap **Privacy → Private mode**, and then tap the switch to activate it.

2. Follow the on-screen instructions to enter the preset private mode access code.

3. Tap the **Auto off** switch to activate it.

⚠️ When the **Auto off** option is enabled, the device will fail to transfer files to the private folder if the screen turns off during transfer.

Accessibility

Configure various settings to improve accessibility to the device.

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

- **Vision**: Customize the settings to improve accessibility for visually impaired users.
- **Hearing**: Customize the settings to improve accessibility for users with hearing impairment.
- **Dexterity and interaction**: Customize the settings to improve accessibility for users who have reduced dexterity.
- **Direction lock**: Change the directional combination settings for unlocking the screen.
- **Direct access**: Set the device to open selected accessibility menus when you press the Home key three times quickly.
- **Notification reminder**: Set the device to alert you to notifications that you have not checked at the interval.
- **Single tap mode**: Set the device to control notifications by tapping the button instead of dragging it.
- **Manage accessibility**: Export or import the accessibility settings to share them with other devices.
- **Services**: View accessibility services installed on the device.
Accounts

Add your Samsung and Google accounts, or other accounts, to sync with.

Adding accounts

Some apps used on your device require a registered account. Create accounts to have the best experience with your device.

1. On the Settings screen, tap Accounts → Add account.
2. Select an account service.
3. Follow the on-screen instructions to complete the account setup.

To sync content with your accounts, select an account and select items to sync.

Registering Samsung accounts

You need a Samsung account when using some Samsung apps. You can back up or restore data saved in the device to your Samsung account. Register your Samsung account to the device to conveniently use Samsung services.

1. On the Settings screen, tap Accounts → Add account.
2. Tap Samsung account.
3. Follow the on-screen instructions to complete the account setup.

Once your Samsung account has been registered, you can use apps requiring your Samsung account without the sign in procedure.

 Removing accounts

On the Settings screen, tap Accounts, select an account name, select the account to remove, and then tap MORE → Remove account.
Backup and reset

Change the settings for managing settings and data.

On the Settings screen, tap **Backup and reset**.

- **Back up my data**: Back up your personal information and app data to the Samsung server. You can also set the device to automatically back up data.
- **Restore**: Restore previously backed up personal information and app data from your Samsung account.
- **Back up my data**: Set the device to back up settings and app data to the Google server.
- **Backup account**: Set up or edit your Google backup account.
- **Automatic restore**: Set the device to automatically restore settings and app data from the Google server when apps are reinstalled.
- **Auto restart**: Set the device to restart itself at preset times for optimal performance.
- **Reset settings**: Return the device’s settings to the factory default settings without deleting data.
- **Reset network settings**: Return the network connection settings to the factory default settings.
- **Factory data reset**: Reset settings to the factory default values and delete all data.

Language and input

Select device languages and change settings, such as keyboards and voice input types. Some options may not be available depending on the selected language.

On the Settings screen, tap **Language and input**.

- **Language**: Select a display language for all menus and apps.
- **Default keyboard**: Select a default keyboard type for text input.
- **Samsung keyboard**: Change the Samsung keyboard settings.
- **Google voice typing**: Change the voice input settings.
- **Text-to-speech**: Change the text-to-speech settings.
- **Pointer speed**: Adjust the pointer speed for the mouse or trackpad connected to your device.
**Battery**

View battery power information and change power saving options.

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

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.

- **Power saving mode**: Activate power-saving mode and change the settings for power-saving mode. Refer to [Power saving mode](#) for more information.
- **Ultra power saving mode**: Extend standby time and reduce battery consumption by displaying a simpler layout and allowing limited access to an app. Refer to [Power saving mode](#) for more information.
- **Percentage on status bar**: Set the device to display the remaining battery life.

**Storage**

View memory information for your device.

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

The actual available capacity of the internal memory is less than the specified capacity because the operating system and default apps occupy part of the memory. The available capacity may change when you update the device.

**Accessories**

Change the accessory settings.

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

- **Automatic unlock**: Set the device to unlock automatically when the cover is flipped open. You can use this feature only for some screen lock methods.
Date and time

Access and alter the following settings to control how the device displays the time and date. On the Settings screen, tap **Date and time**.

- **Automatic date and time**: Automatically update the time and date when moving across time zones. When this feature is deactivated, you can manually set the date, time, and time zone.
- **Select time zone**: Set the home time zone.
- **Use 24-hour format**: Display time in 24-hour format.

About device

Access device information, edit the device name, or update device software. On the Settings screen, tap **About device**.
Appendix

Troubleshooting

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

When you turn on your device or while you are using the device, it prompts you to enter a password:

• When the device lock feature is enabled, you must enter the password you set for the device.

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.
• You cannot access some options without a subscription. For more information, contact your service provider.

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.
The touchscreen responds slowly or improperly

- If you attach a screen protector or optional accessories to the touchscreen, the touchscreen may not function properly.
- If you are wearing gloves, if your hands are not clean while touching the touchscreen, or if you tap the screen with sharp objects or your fingertips, the touchscreen may malfunction.
- The touchscreen may malfunction in humid conditions or when exposed to water.
- Restart your device to clear any temporary software bugs.
- Ensure that your device software is updated to the latest version.
- If the touchscreen is scratched or damaged, visit a Samsung Service Centre.

Your device freezes or encounters a fatal error

Try the following solutions. If the problem is still not resolved, contact a Samsung 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 Power key and the Volume Down key simultaneously for more than 7 seconds to restart it.

Resetting the device

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

On the Apps screen, tap Settings → Backup and reset → Factory data reset → RESET DEVICE → DELETE ALL. Before performing the factory data reset, remember to make backup copies of all important data stored in the device.
The Internet is often disconnected

- 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. Move to another area and try again.
- When using the device while moving, wireless network services may be disabled due to issues with the network.

The battery icon is empty

Your battery is low. Charge the battery.

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

- Ensure that the charger is connected properly.
- Visit a Samsung 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 increases when you use messaging features or some apps, such as games or the Internet.
- The battery is consumable and the useful charge will get shorter over time.

Your device is hot to the touch

When you use apps that require more power or use apps on your device for an extended period of time, your device may feel hot to the touch. This is normal and should not affect your device’s lifespan or performance. 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.
Appendix

Error messages appear when launching the camera

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

• Charge the battery.
• Free some memory 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.

Photo quality is poorer than the preview

• The quality of your photos may vary, depending on the surroundings and the photography techniques you use.
• If you take photos 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 memory 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 confirm the file formats that your device supports, visit www.samsung.com.
• Your device supports photos and videos captured with the device. Photos and videos captured by other devices may not work properly.
• Your device supports multimedia files that are authorized by your network service provider or providers of additional services. Some content circulated on the Internet, such as ringtones, videos, or wallpapers, may not work properly.
Another Bluetooth device is not located

- Ensure that the Bluetooth wireless feature is activated on your device.
- Ensure that the Bluetooth wireless feature is activated on the device you wish to connect to.
- Ensure that your device and the other Bluetooth device are within the maximum Bluetooth range (10 m).

If the tips above do not solve the problem, contact a Samsung Service Centre.

A connection is not established 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.
- If you are a Windows XP user, ensure that you have Windows XP Service Pack 3 or higher installed 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 corrupted 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 Smart manager, or manually delete unused apps or files to free up storage space.

Removing the battery

- To remove the battery, you **must** visit an authorized service centre with the provided instructions.
- 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/or 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.

1. Remove the memory card from the device.
2. Separate the front panel from the main device.
3. Disconnect the battery connector and remove the battery.
Health and Safety

This safety information contains content for mobile devices. Some content may be not applicable to your device. To prevent injury to yourself and others or damage to your device, read the safety information about your device before using the device.

⚠️ 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 power cord with wet hands or disconnect the charger by pulling the cord
• Doing so may result in electrocution.

Do not bend or damage the power cord
• Doing so may cause electric shock or fire.

Do not use your device while it is charging or touch your device with wet hands
• Doing so may cause electric shock.

Do not short-circuit the charger or the device
• Doing so may cause electric shock or fire, or the battery may malfunction or explode.

Do not use your device outdoor during a thunderstorm
• Doing so may result in electric shock or device malfunction.

Use manufacturer-approved chargers, accessories, and supplies
• Using generic 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.
• Use only Samsung-approved charger specifically designed for your device. Incompatible battery and 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 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 device in a fire. Never place the 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 and charger from damage**

• Avoid exposing your device 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.
• Never use a damaged charger.

**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.

**Do not bite or suck the device**

• 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 the device if the Lithium Ion (Li-ion) battery is damaged or leaking**

• For replacement and safe disposal of the 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 an 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.
- On an aircraft, using electronic devices can interfere with the aircraft’s electronic navigational instruments. Make sure the device is turned off during takeoff and landing. After takeoff, you can use the device in flight mode if allowed by aircraft personnel.
- 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.

Do not use your device near devices or apparatuses that emit radio frequencies, such as sound systems or radio towers

- Radio frequencies may cause your device to malfunction.

Turn off the device in potentially explosive environments

- Turn off your device in potentially explosive environments instead of removing the battery.
- Always comply with regulations, instructions and signs in potentially explosive environments.
• Do not use your device at refueling points (gas stations), near fuels or chemicals, or in blasting areas.

• Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the device, its parts, or accessories.

If you notice strange smells or sounds coming from your device, or if you see smoke or liquids leaking from the device, stop using the device immediately and take it to a Samsung Service Centre

• Failure to do so may result in fire or explosion.

Comply with all safety warnings and regulations regarding mobile device usage while operating a vehicle

• While driving, safely operating the vehicle is your first responsibility. Never use your mobile device while driving, if it is prohibited by law. For your safety and the safety of others, use your common sense and remember the following tips:

• Position your device within easy reach. Make sure you can access your wireless device without taking your eyes off the road.

• Do not take notes or look up phone numbers. Jotting down a “to do” list or flipping through your address book takes attention away from your primary responsibility of driving safely.
Care for and use your mobile device properly

**Keep your device dry**

- Humidity and liquids may damage the parts or electronic circuits in your device.
- Do not turn on your device if it is wet. If your device is already on, turn it off immediately (if the device will not turn off or you cannot remove the battery, leave it as-is). Then, dry the device with a towel and take it to a service centre.
- Liquids will change the colour of the label that indicates water damage inside the device. Water damage to your device can void your manufacturer’s warranty.

**Store your device only on flat surfaces**

- If your device falls, it may be damaged.

**Do not store your device in very hot or very cold areas. It is recommended to use your device at temperatures from 5 °C to 35 °C**

- Do not store your device in very hot areas such as inside a car in the summertime. Doing so may cause the screen to malfunction, result in damage to the device, or cause the battery to explode.
- Do not expose your device to direct sunlight for extended periods of time (on the dashboard of a car, for example).

**Do not store your device with metal objects, such as coins, keys, and necklaces**

- Your device may be scratched or may malfunction.

**Do not store your device near magnetic fields**

- Your device may malfunction or the battery may discharge from exposure to magnetic fields.
- Magnetic stripe cards, including credit cards, phone cards, passbooks, and boarding passes, may be damaged by magnetic fields.

**Do not use your device or applications for a while if the device is overheated**

- Prolonged exposure of your skin to an overheated device may cause low temperature burn symptoms, such as red spots and pigmentation.

**Use caution when exposed to flashing lights**

- While using your device, leave some lights on in the room and do not hold the screen too close to your eyes.
- Seizures or blackouts can occur when you are exposed to flashing lights while watching videos or playing Flash-based games for extended periods. If you feel any discomfort, stop using the device immediately.
• If anyone related to you has experienced seizures or blackouts while using a similar device, consult a physician before using the device.

• If you feel discomfort, such as a muscle spasm, or disoriented, stop using the device immediately and consult a physician.

• To prevent eye strain, take frequent breaks while using the device.

**Reduce the risk of repetitive motion injuries**

When you repetitively perform actions, such as pressing keys, drawing characters on a touch screen with your fingers, or playing games, you may experience occasional discomfort in your hands, neck, shoulders, or other parts of your body. When using your device for extended periods, hold the device with a relaxed grip, press the keys lightly, and take frequent breaks. If you continue to have discomfort during or after such use, stop using the device and consult a physician.

**Protect your hearing and ears when using a headset**

• Excessive exposure to loud sounds can cause hearing damage.

• Exposure to loud sounds while walking may distract your attention and cause an accident.

• Always turn the volume down before plugging the earphones into an audio source and use only the minimum volume setting necessary to hear your conversation or music.

• In dry environments, static electricity can build up in the headset. Avoid using headsets in dry environments or touch a metal object to discharge static electricity before connecting a headset to the device.

• Do not use a headset while driving or riding. Doing so may distract your attention and cause an accident, or may be illegal depending on your region.

**Use caution when using the device while walking or moving**

• Always be aware of your surroundings to avoid injury to yourself or others.

• Make sure the headset cable does not become entangled in your arms or on nearby objects.

**Do not carry your device in your back pockets or around your waist**

• You could be injured or damage the device if you fall.
Do not paint or put stickers on your device

- Paint and stickers can clog moving parts and prevent proper operation.
- If you are allergic to paint or metal parts of the device, you may experience itching, eczema, or swelling of the skin. When this happens, stop using the device and consult your physician.

Do not use the device if the screen is cracked or broken

- Broken glass or acrylic could cause injury to your hands and face. Take the device to a Samsung Service Centre to have it repaired.

Install mobile devices and equipment with caution

- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.
- Avoid placing your device and accessories near or in an airbag deployment area. Improperly installed wireless equipment can cause serious injury when airbags inflate rapidly.

Do not drop your device or cause impacts to your device

- Your device may be damaged or may malfunction.
- If bent or deformed, your device may be damaged or parts may malfunction.

Ensure maximum battery and charger life

- Avoid charging your device for more than a week, as overcharging may shorten battery life.
- Over time, unused device will discharge and must be recharged before use.
- Disconnect the charger from power sources when not in use.
- Leaving batteries unused over time may reduce their lifespan and performance. It may also cause the batteries to malfunction or explode, or cause a fire.
- Follow all instructions in this manual to ensure the longest lifespan of your device and battery. Damages or poor performance caused by failure to follow warnings and instructions can void your manufacturer's warranty.
- Your device may wear out over time. Some parts and repairs are covered by the warranty within the validity period, but damages or deterioration caused by using unapproved accessories are not.
When using the device, mind the following
- Do not cover the antenna area with your hands or other objects. This may cause connectivity problems or drain the battery.

Do not disassemble, modify, or repair your device
- Any changes or modifications to your device can void your manufacturer’s warranty. If your device needs servicing, take your device to a Samsung Service Centre.

When cleaning your device, mind the following
- Wipe your device or charger with a towel or an eraser.
- Do not use chemicals or detergents. Doing so may discolour or corrode the outside the device or may result in electric shock or fire.

Do not use the device for anything other than its intended use
- Your device may malfunction.

Avoid disturbing others when using the device in public

Allow only qualified personnel to service your device
- Allowing unqualified personnel to service your device may result in damage to your device and will void your manufacturer’s warranty.

Handle memory cards and cables with care
- When inserting a card or connecting a cable to your device, make sure that the card is inserted or the cable is connected in the proper orientation.
- Do not remove a card while the device is transferring or accessing information, as this could result in loss of data and/or damage to the card or device.
- Protect cards from strong shocks, static electricity, and electrical noise from other devices.
- Do not touch gold-coloured contacts or terminals with your fingers or metal objects. If dirty, wipe the card with a soft cloth.
- Inserting a card or connecting a cable by force or improperly may result in damage to the multipurpose jack or other parts of the device.
Protect your personal data and prevent leakage or misuse of sensitive information

- While using your device, be sure to back up important data. Samsung is not responsible for the loss of any data.
- When disposing of your device, back up all data and then reset your device to prevent misuse of your personal information.
- Carefully read the permissions screen when downloading applications. Be particularly cautious with applications that have access to many functions or to a significant amount of your personal information.
- Check your accounts regularly for unapproved or suspicious use. If you find any sign of misuse of your personal information, contact your service provider to delete or change your account information.
- In the event your device is lost or stolen, change the passwords on your accounts to protect your personal information.
- Avoid using applications from unknown sources and lock your device with a pattern, password, or PIN.

Do not distribute copyright-protected material

- Do not distribute copyright-protected material without the permission of the content owners. Doing this may violate copyright laws. The manufacturer is not liable for any legal issues caused by the user's illegal use of copyrighted material.
Malware and viruses

To protect your device from malware and viruses, follow these usage tips. Failure to do so may result in damages or loss of data that may not be covered by the warranty service.

- Do not download unknown applications.
- Do not visit untrusted websites.
- Delete suspicious messages or email from unknown senders.
- Set a password and change it regularly.
- Deactivate wireless features, such as Bluetooth, when not in use.
- If the device behaves abnormally, run an antivirus program to check for infection.
- Run an antivirus program on your device before you launch newly-downloaded applications and files.
- Install antivirus programs on your computer and run them regularly to check for infection.
- Do not edit registry settings or modify the device’s operating system.

Correct disposal of this product

This product and its electronic accessories (e.g., charger, headset, USB cable) should not be disposed of with other household waste.

To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources. If you intend to discard the product, the waste collection site will take the appropriate measures for the recycling and treatment of the product, including the battery.

This device is compliant with RoHS.

Correct disposal of batteries in this product

This device contains a LiIon battery. For safe disposal options, contact your nearest service centre. For information on battery replacement, please contact your service provider. Do not disassemble, crush, or puncture the device. Do not dispose of it in a fire.

- Be sure to dispose of your device properly. In some areas, the disposal of batteries in household or business trash may be prohibited.
- For safety, do not handle the device if the LiIon battery is damaged or leaking.
Disclaimer

Some content and services accessible through this device belong to third parties and are protected by copyright, patent, trademark and/or other intellectual property laws. Such content and services are provided solely for your personal non-commercial use. You may not use any content or services in a manner that has not been authorized by the content owner or service provider. Without limiting the foregoing, unless expressly authorized by the applicable content owner or service provider, you may not modify, copy, republish, upload, post, transmit, translate, sell, create derivative works, exploit, or distribute in any manner or medium any content or services displayed through this device.

“THIRD PARTY CONTENT AND SERVICES ARE PROVIDED “AS IS.” SAMSUNG DOES NOT WARRANT CONTENT OR SERVICES SO PROVIDED, EITHER EXPRESSLY OR IMPLIED, FOR ANY PURPOSE. SAMSUNG EXPRESSLY DISCLAIMS ANY IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SAMSUNG DOES NOT GUARANTEE THE ACCURACY, VALIDITY, TIMELINESS, LEGALITY, OR COMPLETENESS OF ANY CONTENT OR SERVICE MADE AVAILABLE THROUGH THIS DEVICE AND UNDER NO CIRCUMSTANCES, INCLUDING NEGLIGENCE, SHALL SAMSUNG BE LIABLE, WHETHER IN CONTRACT OR TORT, FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, ATTORNEY FEES, EXPENSES, OR ANY OTHER DAMAGES ARISING OUT OF, OR IN CONNECTION WITH, ANY INFORMATION CONTAINED IN, OR AS A RESULT OF THE USE OF ANY CONTENT OR SERVICE BY YOU OR ANY THIRD PARTY, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.”

Third party services may be terminated or interrupted at any time, and Samsung makes no representation or warranty that any content or service will remain available for any period of time. Content and services are transmitted by third parties by means of networks and transmission facilities over which Samsung has no control. Without limiting the generality of this disclaimer, Samsung expressly disclaims any responsibility or liability for any interruption or suspension of any content or service made available through this device.

Samsung is neither responsible nor liable for customer service related to the content and services. Any question or request for service relating to the content or services should be made directly to the respective content and service providers.
Acknowledging Special Precautions and Industry Canada Notice

Cautions

Any changes or modifications to your device not expressly approved in this document could void your warranty for this equipment, and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the phone warranty if they cause damage or a defect to the device.

Although your device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

Information to User

This equipment has been tested and found to comply with the limits of a Class B digital device. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation; if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient/relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

⚠️ Warning: At very high volumes, prolonged listening to a headset can damage your hearing.

Specific Absorption Rates (SAR) for Wireless Devices

The SAR is a value that corresponds to the relative amount of RF energy absorbed by the user of a wireless device.

The SAR value of a device is the result of an extensive testing, measuring and calculation process. It does not represent how much RF the device emits. All devices are tested at their highest value in strict laboratory settings. But when in operation, the SAR of a device can be substantially less than the level reported to Industry Canada. This is because of a variety of factors including its proximity to a base station antenna, design and other factors. What is important to remember is that each device meets strict federal guidelines. Variations in SARs do not represent a variation in safety.
All devices must meet the federal standard, which incorporates a substantial margin of safety. As stated above, variations in SAR values between different model devices do not mean variations in safety. SAR values at or below the federal standard of 1.6 W/kg are considered safe for use by the public.

This device has been tested and meets RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device 1.5 cm from the body.

**Owner’s Record**

The model number and serial number are available in Settings → About device. Record the serial number in the space provided below. This will be helpful if you need to contact us about your phone in the future.

Model: SM-T580

Serial No.:
Copyright
Copyright © 2016 Samsung Electronics
This manual is protected under international copyright laws.
No part of this manual may be reproduced, distributed, translated, or transmitted in any form
or by any means, electronic or mechanical, including photocopying, recording, or storing
in any information storage and retrieval system, without the prior written permission of
Samsung Electronics.

Trademarks
• SAMSUNG and the SAMSUNG logo are registered trademarks of Samsung Electronics.
• Bluetooth® is a registered trademark of Bluetooth SIG, Inc. worldwide.
• Wi-Fi®, Wi-Fi Protected Setup™, Wi-Fi Direct™, Wi-Fi CERTIFIED™, and the Wi-Fi logo are
  registered trademarks of the Wi-Fi Alliance.
• All other trademarks and copyrights are the property of their respective owners.

IC Notice
This Class B digital apparatus complies with Canadian ICES-003.
This device complies with Industry Canada licence-exempt RSS standard(s). Operation is
subject to the following two conditions:
(1) this device may not cause interference, and
(2) this device must accept any interference, including interference that may cause undesired
operation of the device.
Operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for
harmful interference to co-channel mobile satellite systems.