

The Samsung logo, consisting of the word "SAMSUNG" in white, uppercase letters inside a blue oval shape.

**SAMSUNG**

**GALAXY Tab4**

# User Guide

# Table of Contents

## Getting started

- 8 Device layout
- 9 Key names and functions
- 10 Package contents
- 11 USIM Card
- 14 Charging the battery
- 16 Inserting a SD Card
- 18 Turning the device on and off
- 19 Initializing this device
- 20 Locking and unlocking the device
- 20 Adjusting the volume
- 20 Switching to silent mode

## Basics

- 21 Status bar icons
- 22 Using the Display
- 25 Palm motions
- 26 Using Multi Window
- 30 Notifications window
- 31 Home screen
- 33 Applications list
- 34 Using applications
- 35 Entering text
- 37 Connecting to a Wi-Fi network
- 38 Setting up accounts
- 39 Transferring files
- 40 Security Codes

- 40 USIM PIN
- 41 Securing the device
- 42 Updating software

## Communication

- 44 Contacts
- 48 SoftBank Mail
- 50 Email
- 52 Gmail
- 53 Google+
- 54 Photos

## Web & network

- 55 Internet
- 57 Chrome
- 58 Bluetooth
- 59 Screen Mirroring

## Media

- 60 Music
- 62 Camera
- 67 Gallery
- 70 Video
- 71 YouTube

## Application & media stores

- 72 Play Store
- 73 GALAXY Apps
- 73 Play Books
- 74 Play Movies & TV
- 74 Play Games

## Utilities

- 75 Memo
- 77 S Planner
- 79 Dropbox
- 80 Cloud
- 80 Drive
- 81 Hancom Office Viewer
- 84 Alarm
- 85 World Clock
- 85 Calculator
- 86 S Voice
- 87 Google
- 87 Voice Search
- 88 My Files

## Travel & local

- 91 Maps

## Settings

- 92 About Settings
- 92 Connections
- 97 Device
- 101 Controls
- 105 General
- 108 Google Settings

## Troubleshooting

## Specifications

- 114 Device
- 115 Materials

## Warranty & After-Sales Service

- 116 Warranty
- 116 After-Sales Service

## Customer Service

# About this manual

This user manual details information about the device's functions and features.

You can check this manual on the device or using a computer.

- You can download the latest version of this manual from the SoftBank Mobile Website.  
<http://www.softbank.jp/mobile/support/product/galaxy-tab4/>
- Please read this manual before using the device to ensure safe and proper use.
- Descriptions are based on the device's default settings.
- Unauthorized reproduction of all or part of this manual is prohibited.
- The content of this manual is subject to change without prior notice.
- All care has been taken with the content of this manual; however, please contact us if you find any errors or missing data.
- Content (high quality content) that requires high CPU and RAM usage will affect the overall performance of the device. Applications related to the content may not work properly depending on the device's specifications and the environment that it is used in.
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- You can install various applications on this device using Google Play™ operated by Google Inc. SoftBank Mobile Corp. does not guarantee the content (quality, authenticity, legality, fitness for purpose, credibility of information, and accuracy) of any applications that you install and any faults (viruses, etc.) caused by those applications.

## Instructional icons



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



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



**Note:** notes, usage tips, or additional information

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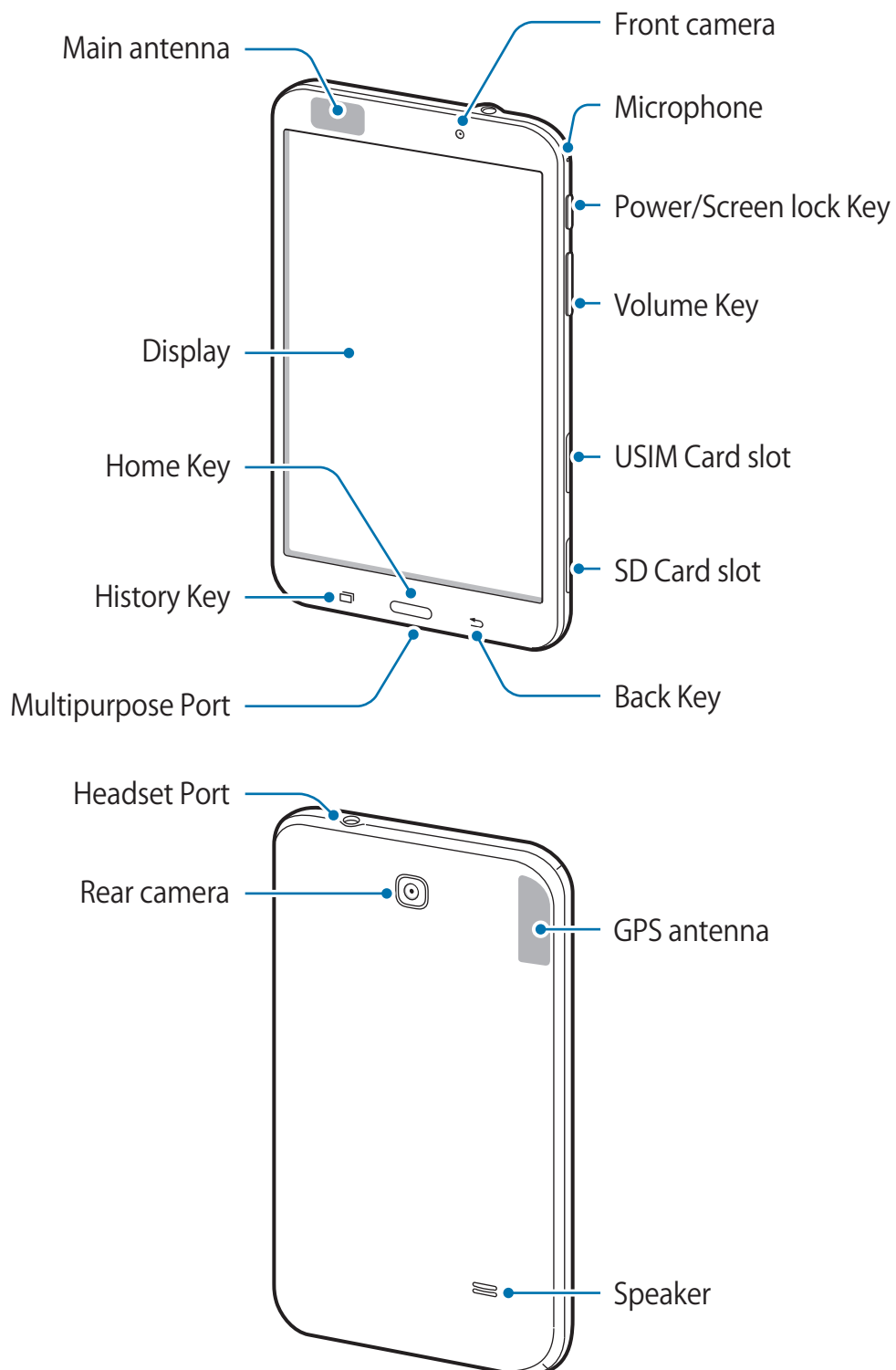
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# Getting started

## Device layout





- Do not cover the antenna area with your hands or other objects. This may cause connectivity problems or drain the battery.
- Do not allow water to contact the Display. The Display may malfunction in humid conditions or when exposed to water.

## Key names and functions

Key	Name	Function
	Power/Screen lock	<ul style="list-style-type: none"><li>• Press &amp; Hold to turn the device on or off.</li><li>• Press to lock or unlock the device. The device goes into lock mode when the Display turns off.</li></ul>
	History	<ul style="list-style-type: none"><li>• Tap to open the list of recent applications.</li><li>• Touch &amp; Hold to launch options.</li></ul>
	Home	<ul style="list-style-type: none"><li>• Press to return to the Home screen.</li><li>• Press &amp; Hold to launch Google search.</li><li>• Press twice to launch S Voice.</li></ul>
	Back	<ul style="list-style-type: none"><li>• Tap to return to the previous screen.</li><li>• Touch &amp; Hold to launch Multi Window.</li></ul>
	Volume	<ul style="list-style-type: none"><li>• Press to adjust the device volume.</li></ul>

## Package contents

Check the product box for the following items:

- GALAXY Tab4 Device
- Quick Start
- Warranty



- The exterior and/or the specifications are subject to change without prior notice.

## USIM Card

USIM Card is an IC card containing customer and authentication information, including phone number.

### Handling USIM Card

- Customer is responsible for any damage caused by inserting USIM Card in an other-brand IC card reader, etc. SoftBank Mobile Corp. is not responsible in such case.
- Always keep the IC chip (metal) clean.
- Wipe clean with a dry, soft cloth.
- Avoid applying labels. May damage USIM Card.
- See instructions included with USIM Card for handling.
- USIM Card is the property of SoftBank Mobile Corp.
- USIM is replaceable (at cost) in case of loss/damage.
- Return USIM Card to SoftBank Mobile Corp. when cancelling subscription.
- Returned USIM Cards are recycled for environmental purposes.
- Note that USIM Card specifications and performance may change without notice.
- It is recommended that you keep a separate copy of information that is saved on USIM Card. SoftBank Mobile Corp. is not responsible for damages from saved information that is lost.
- Always follow emergency procedures to suspend service if your USIM Card or device (USIM Card inserted) is lost/stolen. For details, contact Customer Service.
- Always power off device before inserting/removing USIM Card.

## Inserting the USIM Card

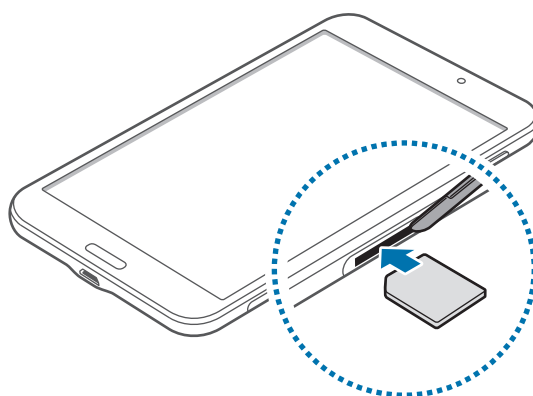
Pay attention to the position and direction of the USIM Card when inserting it.



- See instructions included with the USIM Card in regard to handling the USIM Card.
- Always power off the device before inserting/removing USIM Card.

1 Open the cover of the USIM Card slot

2 Insert the USIM Card with the gold-colored contacts facing downwards



3 Push the USIM Card into the slot until it locks in place



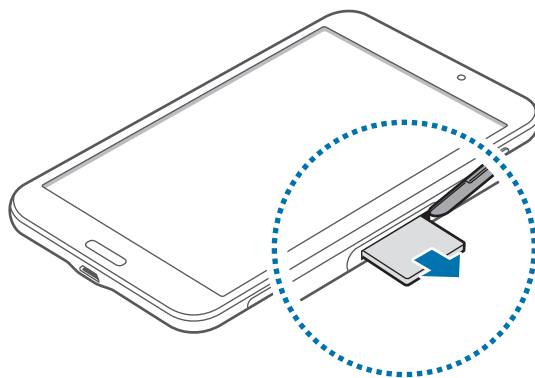
- Do not insert a SD Card into the USIM Card slot.
- Use caution not to lose or let others use the USIM Card. SoftBank Mobile Corp. is not responsible for any damage or inconvenience caused by lost or stolen USIM cards.

4 Close the cover of the USIM Card slot



## Removing the USIM Card

- 1 Open the cover of the USIM Card slot
- 2 Push the USIM Card until it disengages from the device, and then pull it out



- 3 Close the cover of the USIM Card slot

## Charging the battery

Charge the battery before using this device for the first time or if you haven't used it for a long time.



The AC Charger is optional. Use the SoftBank-approved AC Charger Micro USB 1.0 A (ZTDAC1) or Micro USB 1.8 A (ZTDAD1). See the SoftBank Website for other peripheral devices. If you use an unapproved AC Charger, it may cause the Internal Battery to explode or damage the device.



- 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 AC Charger is connected. Allow a depleted battery to charge for a few minutes before turning on the device.
- If you use multiple applications at once, or applications 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 applications after fully charging the battery.

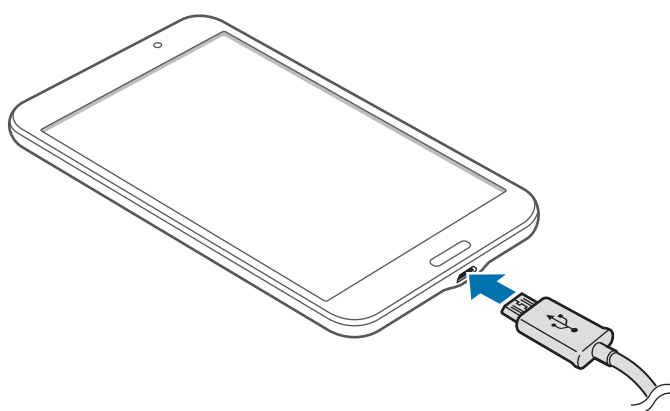
## Charging with the AC Charger

This section explains how to charge the battery using the AC Charger Micro USB 1.0 A (ZTDAC1) as an example.



- Check the AC Charger's user manual before using it.
- Never connect the Micro USB plug if this device or the AC Charger are wet.

Connect the Micro USB plug of the AC Charger to the multipurpose Port on this device and insert the power plug into a household AC power socket.



Connecting the AC Charger (optional) improperly may cause serious damage to the device. Any damage caused by misuse is not covered by the warranty.



- 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 Display may not function. If this happens, unplug the AC Charger from the device.
- While charging, the device may heat up. This is normal and should not affect the device's lifespan or performance. If the battery gets hotter than usual, the AC Charger may stop charging.
- If the device is not charging properly, take the device and the AC Charger to a SoftBank Shop.

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

## Opening the battery charge status

When you charge the battery while the device is off, the following icons will show the current battery charge status:



Charging



Fully charged

## Reducing the battery consumption

Your device provides options that help you save battery power. By customizing these options and deactivating features in the background, you can use the device longer between charges: The following are examples.

- When you are not using the device, switch to sleep mode by Pressing the Power/Screen lock Key.
- Cancel unnecessary applications with the task manager.
- Deactivate the Bluetooth feature.
- Deactivate the Wi-Fi feature.
- Deactivate auto-syncing of applications.
- Decrease the backlight time.
- Decrease the brightness of the Display.

## Inserting a SD Card

Your device accepts SD Cards with maximum capacities of 64 GB. Depending on the SD Card manufacturer and type, some SD Cards may not be compatible with this device.

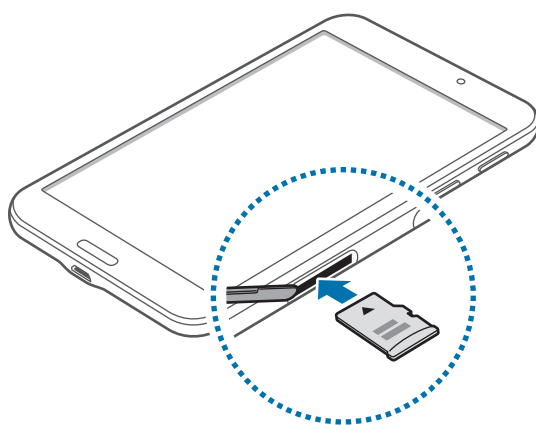


- Some SD Cards may not be fully compatible with the device. Using an incompatible card may damage the device or the SD Card, or corrupt the data stored in it.
- Use caution in inserting the SD Card right-side up.



- The device supports the FAT and the exFAT file systems for SD Cards. When inserting a card formatted in a different file system, the device asks to reformat the SD Card.
- Frequent writing and erasing of data shortens the lifespan of SD Cards.
- When inserting a SD Card into the device, the SD Card's file directory appears in the **SD card** folder.


- 1 Open the cover of the SD Card slot
- 2 Insert a SD Card with the gold-colored contacts facing downwards
- 3 Push the SD Card into the slot until it locks in place



- 4 Close the cover of the SD Card slot

## Removing the SD Card

Before removing the SD Card, first unmount it for safe removal.

On the Home screen, Tap  → **Settings** → **General** → **Storage** → **Unmount SD card** → **OK**.

- 1 Open the cover of the SD Card slot
- 2 Push the SD Card until it disengages from the device, and then pull it out
- 3 Close the cover of the SD Card slot



Do not remove the SD Card while the device is transferring or accessing information. Doing so can cause data to be lost or corrupted or damage to the SD Card or device. SoftBank Mobile Corp. is not responsible for losses that result from the misuse of damaged SD Cards, including the loss of data.

## Formatting the SD Card

A SD Card formatted on a computer may not be compatible with the device. Format the SD Card on the device.

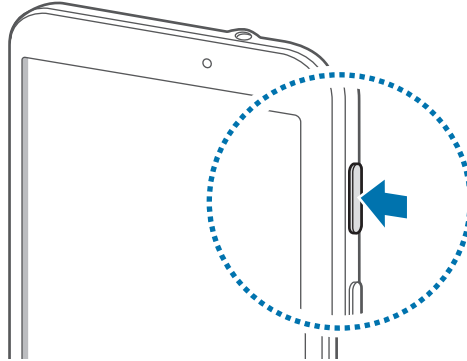
On the Home screen, Tap  → **Settings** → **General** → **Storage** → **Format SD card** → **Format SD card** → **Delete all**.



Before formatting the SD Card, remember to make backup copies of all important data stored on the device. The manufacturer's warranty does not cover loss of data resulting from user actions.

## Turning the device on and off

Press & Hold the Power/Screen lock Key for a few seconds to turn on the device.



- Follow all warnings and directions from authorized personnel in areas where the use of wireless devices is restricted, such as airplanes and hospitals.
- Press & Hold the Power/Screen lock Key and Tap **Airplane mode** → **OK** to disable the wireless features.

To turn off the device, Press & Hold the Power/Screen lock Key, and then Tap **Power off** → **OK**.

## Initializing this device

The steps may differ depending on the connection to the network and the omitted settings etc.

- 1 On the "Welcome" screen, select the language that you want to use and Tap **Start**.
  - To change the accessibility settings, set **Accessibility** → Accessibility.
- 2 Set up Wi-Fi → **Next**
- 3 Check the details of the licensing agreement, select the check box → **Next**
- 4 **Yes/No** → Set up a Google account
  - If you already have a Google account, Tap **Yes**; if you do not have a Google account, Tap **No**.
- 5 If you are going to use your Google account to backup or restore, location settings, or use Google Play to receive the latest information, Tap ►
  - If you want to create a new Google account, check the Terms of Service and Privacy Policy on the Finish account screen. **I accept** → enter the displayed text to create an account.
  - If you do not set up a Google account, the Setup screen for allowing the use of location information is displayed. Follow the instructions on the screen.
- 6 Set up payment information
  - Select the payment method and follow the instructions on the screen.
  - Tap **SKIP** to set a payment method later.
- 7 Enter your first and last name on the entry screen for the owner of the device → Tap ►
- 8 Set up a Samsung account
  - Tap **Skip** to set an account later.
- 9 Set up a Dropbox account
  - Tap **Skip** to set an account later.
- 10 **Finish**

## Locking and unlocking the device

When not in use, lock the device to prevent unwanted operation. Pressing the Power/Screen lock Key turns off the Display and puts the device into lock mode. The device automatically gets locked if it is not used for a specified period.

To unlock the device, Press the Power/Screen lock Key or the Home Key when the Display is turned off, Tap anywhere on the screen, and then Flick your finger in any direction.

## Adjusting the volume

Press the Volume Key up or down to adjust the sound volume when playing music or video.

## Switching to silent mode

Use one of the following methods:




















- Press & Hold the Volume Key down until it switches to silent mode.
- Press & Hold the Power/Screen lock Key, and then Tap **Mute** or **Vibrate**.
- Drag to underneath the Status bar and open the Notifications window, then Tap **Sound** or **Vibrate**.



# Basics

## Status bar icons

The icons displayed at the top of the screen provide information about the status of the device. The icons listed below are the most common.

Icon	Meaning
	No signal
	Signal strength
	UMTS network connected
	HSDPA network connected
	HSDPA+ network connected
	LTE network connected
	Wi-Fi network connected
	Bluetooth® activated
	GPS feature activated
	Smart screen feature activated
	USB Connected
	No USIM
	New text or multimedia message
	Alarm activated
	Silent profile activated
	Vibration profile activated
	Airplane mode activated
	Error occurred or caution required
	Battery power level

## Using the Display

Use only fingers to use the Display.



- Do not allow the Display to come into contact with other electrical devices. Electrostatic discharges can cause the Display to malfunction.
- To avoid damaging the Display, do not Tap it with anything sharp or apply excessive pressure to it with your fingertips.

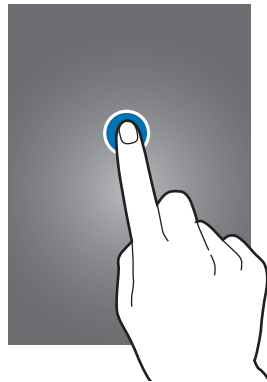


- The device may not recognize touch inputs close to the edges of the screen, which are outside of the touch input area.
- Leaving the Display idle for extended periods may result in afterimages (screen burn-in) or ghosting. Turn off the Display when you do not use the device.

## Finger gestures

### Tapping

To open an application, to select a menu item, to Press an on-screen button, or to enter a character using the on-screen keyboard, Tap it with a finger.



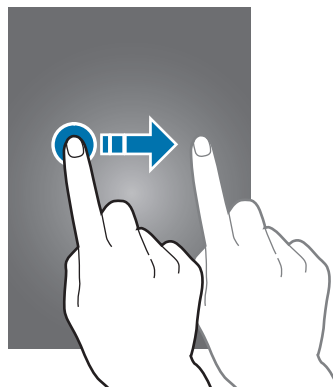
## Touching & Holding

Touch & Hold an item for more than 2 seconds to access available options.



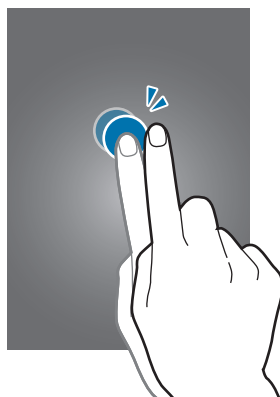
## Dragging

To move an icon, thumbnail, or preview to a new location, Touch & Hold it and Drag it to the target position.



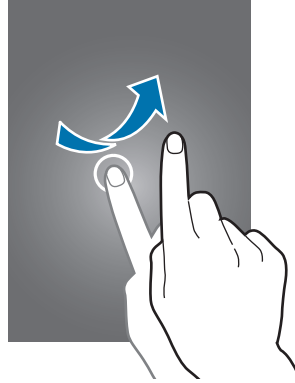
## Double-Tapping

Double-Tapping is Tapping twice. Double-Tap on a webpage or image to zoom in on a part. Double-Tap again to return.



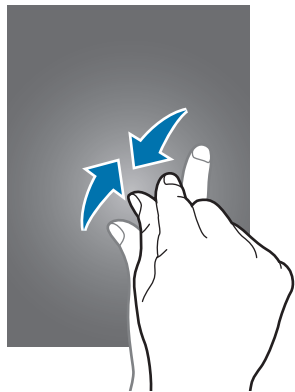
## Flicking

Flick left or right on the Home screen or the Applications list to see another panel. Flick up or down to scroll through a webpage or a list, such as contacts.




## Pinching

Spread two fingers apart (Pinch out) on a webpage, map, or image to zoom in a part. Pinch (Pinch in) to zoom out.



## Palm motions

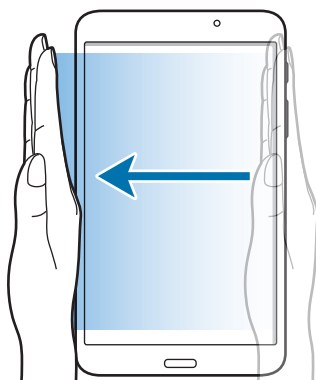
Use palm motions to control the device by touching the screen.

Before using motions, make sure the palm motion feature is activated. On the Home screen, Tap  → **Settings** → **Controls** → **Palm motion**, and then Drag the **Palm motion** switch to the right.

### Capture screen

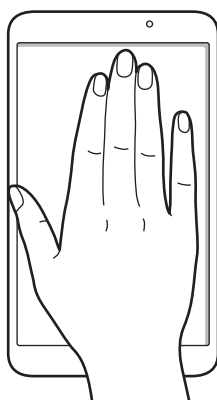
Flick your hand across the screen from right to left or Flick from left to right to capture a screenshot.

The image is saved in **Gallery** → **Screenshots**. It is not possible to capture a screenshot while using some applications.



### Mute/pause

Cover the screen with a palm to mute the device or pause media playback.




## Using Multi Window

Use this feature to run multiple applications on the screen at the same time.



Only applications on the Multi Window tray can run.

To use Multi Window, on the Home screen, Tap  → **Settings** → **Device** → **Multi window**, and then Drag the **Multi window** switch to the right.

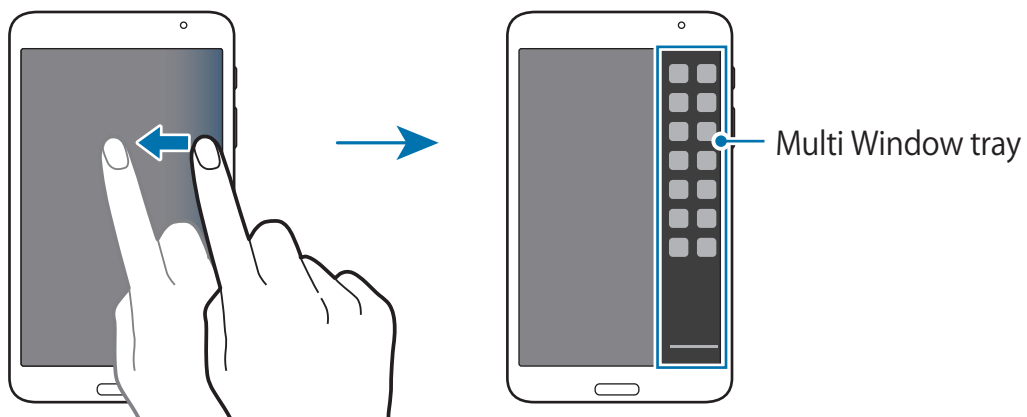
### Opening Multi Window display

By enabling this feature, you can open a file from My File or the Video application or an email attachment and display the content automatically in a split screen when in full screen mode.

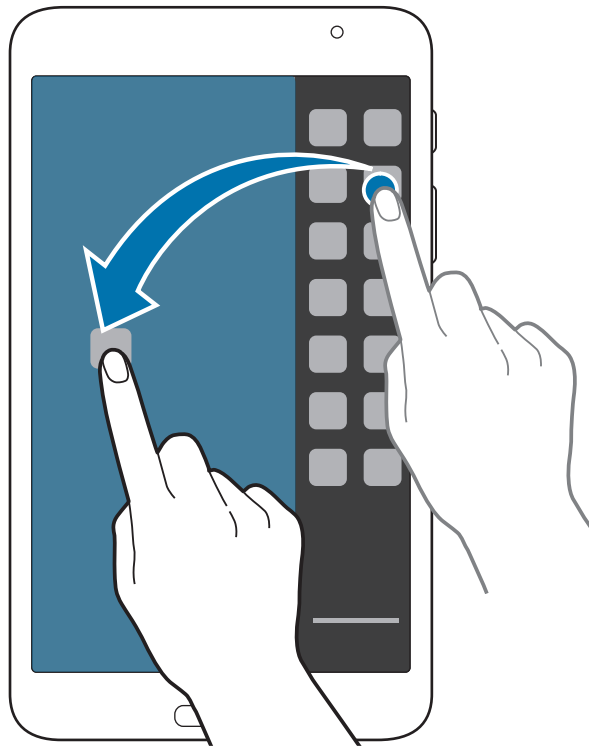
### Launching applications in Multi Window

- 1 Drag your finger from the right edge (black part) of the screen towards the middle of the screen. Alternatively, Touch & Hold 

The Multi Window tray appears at the right side of the screen.



- 2 Touch & Hold an application icon on the Multi Window tray, and then Drag it to the screen. Release the application icon when the screen turns blue



- 3 Touch & Hold another application icon on the Multi Window tray, and then Drag it to a new location

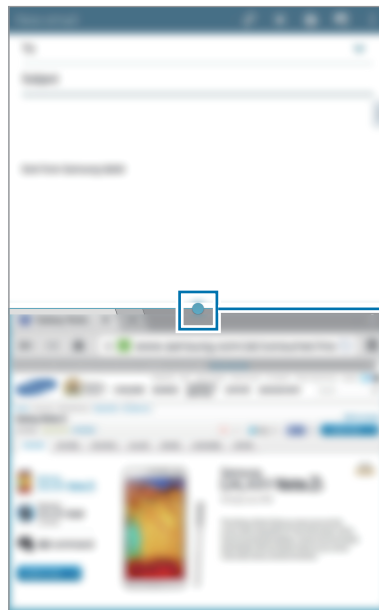
## Sharing content between applications

You can easily share content between applications, such as **Email** and **Internet**, by Dragging and dropping them.



Some applications may not support this feature.

### 1 Launch **Email** and **Internet** in Multi Window







Display the Multi Window menu

### 2 Tap between the application windows, and then Tap



Tap the circle between application windows to access the following options:

-  : Switch locations between Multi Window applications.
-  : Share items, such as images, text, or links, between application windows by Dragging and dropping them.
-  : Maximize the window.
-  : Close the application.



- 3 Touch & Hold an item in the **Internet** window and Drag it to a location in the **Email** window





## Notifications window

Notification Indicators appear on the Status bar at the top of the screen to report new messages, calendar events, device status, and more. Drag down from the Status bar to open the Notifications window. Scroll the list to see additional alerts. To close the Notifications window, Drag the bar up.

From the Notifications window, you can view your device's current settings or change them. You can select from more features by Dragging the settings icon to the left.

- **Wi-Fi:** Activate or deactivate the Wi-Fi feature.
- **Location:** Activate or deactivate the GPS feature.
- **Sound/Vibrate/Mute:** Activate or deactivate silent mode. You can vibrate or mute your device in silent mode.
- **Screen rotation:** Allow or prevent the interface from rotating when you rotate the device.
- **Bluetooth:** Activate or deactivate the Bluetooth feature.
- **Mobile data:** Activate or deactivate the data connection.
- **Multi window:** Set the device to use Multi Window.
- **Screen Mirroring:** Activate or deactivate the screen mirroring feature.
- **Sync:** Activate or deactivate auto-syncing of applications.
- **Smart stay:** Activate or deactivate the smart stay feature.
- **Power saving:** Activate or deactivate power-saving mode.
- **Blocking mode:** Activate or deactivate blocking mode. In blocking mode, the device will block notifications. To select which notifications will be blocked, Tap **Settings** → **Device** → **Blocking mode**.
- **Airplane mode:** Activate or deactivate flight mode.

To arrange the options on the Notifications window, open the Notifications window, Tap  → , Touch & Hold the **Set quick setting buttons** item on the Notifications window, and then Drag the item to another location.


## Home screen

The Home screen is the starting point to access all of the device's features. It displays Notification Indicators, widgets, shortcuts to applications, and others.

The Home screen can have multiple panels. To view other panels, scroll left or right.

## Rearranging items

### Adding an application icon

On the Home screen, Tap , Touch & Hold an application icon, and then Drag it into a panel preview.

### Moving an item

Touch & Hold an item and Drag it to a new location. To move it to another panel, Drag it to the side of the screen.

### Deleting an item

Touch & Hold an item, and Drag it to the trash can that appears at the top of the Home screen. When the trash can turns red, release the item.

## Rearranging panels

### Adding a new panel

Pinch in on the screen and Tap .

### Moving a panel

Pinch in on the screen, Touch & Hold a panel preview, and then Drag it to a new location.

### Deleting a panel

Pinch in on the screen, Touch & Hold a panel preview, and then Drag it to the trash can at the top of the screen. Let go of the item once the trash can turns red.

## Setting wallpaper

Set an image or photo stored in the device as wallpaper for the Home screen.

On the Home screen, Touch & Hold the empty area, Tap **Set wallpaper** → **Home screen**, and then select one of the following:

- **Gallery:** See photos taken by the device's camera or images downloaded from the Internet.
- **Live wallpapers:** See animated images.
- **Photos:** See images in **Photos**.
- **Wallpapers:** See wallpaper images.


Select an image, resize the frame if necessary, and then set it as wallpaper.

## Using widgets

Widgets are small applications that provide convenient functions and information on your Home screen. To use them, add widgets from the widgets panel to the Home screen.




Some widgets connect to web services. Using a web-based widget may result in additional charges.

On the Home screen, Tap  → **Widgets**. Scroll left or right on the widgets panel, and then Touch & Hold a widget and Drag it to the Home screen. Put it on a location you want, resize it by Dragging the frame if necessary, and then Tap anywhere on the screen to save the location of the widget.

## Applications list


The Applications list displays icons for all applications, including any new applications installed.

On the Home screen, Tap  → **Apps** tab.

To view other panels, scroll left or right.


## Rearranging applications

This feature is available only in the customizable grid view.

Tap  → **Edit**, Touch & Hold an application, and then Drag it to a new location. To move it to another panel, Drag it to the side of the screen.

## Organizing with folders

Put related applications together in a folder for convenience.

Tap  → **Edit**, Touch & Hold an application, and then Drag it to **Create folder**. Enter a folder name and then Tap **OK**. Put applications into the new folder by Dragging, and then Tap **Save** to save the arrangement.

## Installing applications

Use application stores, such as **GALAXY Apps**, to download and install applications.

## Uninstalling applications


Tap  → **Uninstall/disable apps**, and then select an application to uninstall it.



Default applications that come with the device cannot be uninstalled.

## Disabling applications

Tap  → **Uninstall/disable apps**, and then select an application to disable it.

To enable applications, on the Applications list, Tap  → **Show disable apps**, select the applications, and then Tap **Done**.



- Downloaded applications and some default applications that come with the device cannot be disabled.
- When you use this feature, disabled applications disappear from the **Apps** screen but are still stored in the device.

## Using applications

This device can run many different types of applications, ranging from media to Internet applications.

### Opening an application

On the Home screen or the Applications list, Tap an application icon to open it.



Some applications are grouped into folders. Tap a folder → an application to open it.



### Opening from recently-used applications

Tap  to open the list of recently-used applications.

Tap an application icon to open.

### Exiting an application

Exit applications not in use to save battery power and maintain device performance.

Tap  → **Task manager**, and then Tap **End** next to an application → **OK** to close it. To close all running applications, Tap **End all** → **OK**. Alternatively, Tap  → **Close all**.

## Entering text

Use the Samsung Japanese keyboard or the voice input feature to enter text.

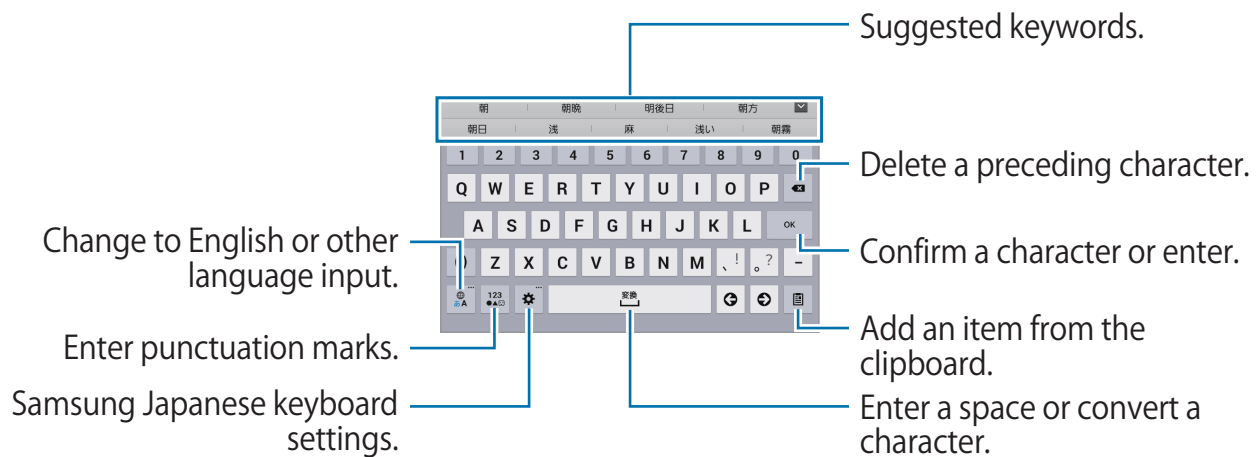


Text entry is not supported in some languages. To enter text, you must change the input language to one of the supported languages.

## Changing the keyboard type


Tap any text field, open the Notifications window, Tap **Select input method**, and then select the type of keyboard to use.

## Using the Samsung Japanese keyboard





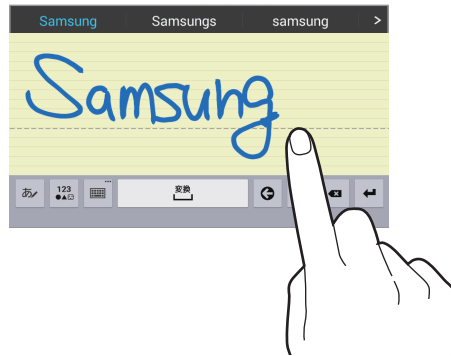
## Changing the keyboard type

Touch & Hold , and then Tap  to change the keyboard type.

On the floating keyboard, Tap  and Hold and move the floating keyboard to another location.

## Handwriting

Touch & Hold , Tap , and then write a word with a finger. Predicted words are displayed. You can enter words faster if you select a predicted word.





## Entering text by voice

Touch & Hold , and then Tap  to enter text by voice.

Activate the voice input feature and then speak into the microphone. The device displays what you speak.

To change the language or add languages for voice recognition, Tap **Default: English (US) - no additional** → **Add or remove languages**.

## Copying and pasting

Touch & Hold over text, Drag  or  to select more or less text, and then Tap **Copy** to copy or **Cut** to cut. The selected text is copied to the clipboard.

To paste it into a text entry field, place the cursor at the point where it should be inserted, and then Tap  → **Paste**.



## Connecting to a Wi-Fi network

Connect the device to a Wi-Fi network to use the Internet or share media files with other devices. (👉 P.92)

### Turning Wi-Fi on and off

Open the Notifications window, and then Tap **Wi-Fi** to turn it on or off.



- Your device uses a anharmonic frequency and is intended for use in all European countries. The WLAN can be operated in the EU without restriction indoors, but cannot be operated outdoors.
- Turn off Wi-Fi to save the battery when not in use.

### Joining Wi-Fi networks

On the Applications list, Tap **Settings** → **Connections** → **Wi-Fi**, and then Drag the Wi-Fi switch to the right.

Select a network from the list of detected Wi-Fi networks, enter a password if necessary, and then Tap **Connect**. Networks that require a password appear with a lock icon. After the device connects to a Wi-Fi network, the device will automatically connect to it any time it is available.

### Adding Wi-Fi networks

If the desired network does not appear in the networks list, Tap **Add Wi-Fi network** at the bottom of the networks list. Enter the network name in **Network SSID**, select the security type and enter the password if it is not a free public Wi-Fi, and then Tap **Connect**.

### Forgetting Wi-Fi networks

Any network that has ever been used, including the current network, can be forgotten so the device will not automatically connect to it. Select the network in the networks list, and then Tap **Forget**.

## Setting up accounts

Google applications, such as **Play Store**, require a Google account, and **GALAXY Apps** requires a Samsung account. Create Google and Samsung accounts to have the best experience with the device.

### Adding accounts

To sign up for a Google account, on the Applications list, Tap **Settings** → **General** → **Accounts** → **Add account** → **Google** → **New**. After that, follow the on-screen instructions to create a new account. If you open a Google application while not signed in to your Google account, you can setup an account in the same manner.

To sign in with an existing Google account, on the Applications list, Tap **Settings** → **General** → **Accounts** → **Add account** → **Google** → **Existing**. After that, follow the on-screen instructions to complete the account setup.

More than one Google account can be used on the device.

Set up a Samsung account as well.

### Deleting accounts

On the Applications list, Tap **Settings** → **General** → **Accounts**, select an account name under **MY ACCOUNTS**, select the account to delete, and then Tap **Remove account**.

## Transferring files

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

### Connecting with Samsung Kies

Samsung Kies is a computer application that manages media contents and personal information with Samsung devices. Download the latest Samsung Kies from the Samsung website.

- 1 Connect the device to the computer using the Micro USB cable (commercially available)  
Samsung Kies launches on the computer automatically. If Samsung Kies does not launch, double-click the Samsung Kies icon on the computer.
- 2 Transfer files between your device and the computer  
Refer to the Samsung Kies help for more information.

### Connecting with Windows Media Player

Ensure that Windows Media Player is installed on the computer.

- 1 Connect the device to the computer using the Micro USB cable (commercially available)
- 2 Open Windows Media Player and synchronize music files

### Connecting as a media device

- 1 Connect the device to the computer using the Micro USB cable (commercially available)
- 2 Open the Notifications window, and then Tap **Connected as a media device → Media device (MTP)**  
Tap **Camera (PTP)** if your computer does not support Media Transfer Protocol (MTP) or not have any appropriate driver installed.
- 3 Transfer files between your device and the computer

## Security Codes

An Optional Services landline Center Access Code is required for you to use this device. The 4-digit Center Access Code you received when you signed up is needed for subscribing to Internet fee-based information.

- Do not forget Center Access Code. If you forget this code, contact us for recovery. For details, contact Customer Service (☎ P.117).
- Do not reveal Center Access Code. SoftBank Mobile Corp. is not liable for misuse or damages.

## USIM PIN

PIN is a code for USIM Card. 9999 by default; enable USIM Card lock to restrict device use.

### Changing USIM PIN (locking USIM Card)

You can set up the device so that it cannot be used when the power is turned on without entering a PIN (locking the USIM Card).

**1** On the Applications list, Tap **Settings**

**2** **General** → **Security** → **Set up SIM card lock**

**3** **Lock SIM card** → Enter current PIN → **OK**

The USIM Card lock is now enabled and you can change PIN.

**4** **Change SIM PIN** → Enter current PIN → **OK** → Enter new PIN → **OK** → Reenter new PIN → **OK**



- If PIN is entered incorrectly three times, PIN is locked and use of the device is restricted.
- To release PIN lock, contact Customer Service (☎ P.117) to find out Personal Unblocking Key (PUK).
- If PUK is entered incorrectly 10 times, the USIM Card is locked and this device can no longer be used. In this case, a USIM Card must be reissued (for a fee) by a SoftBank Shop.

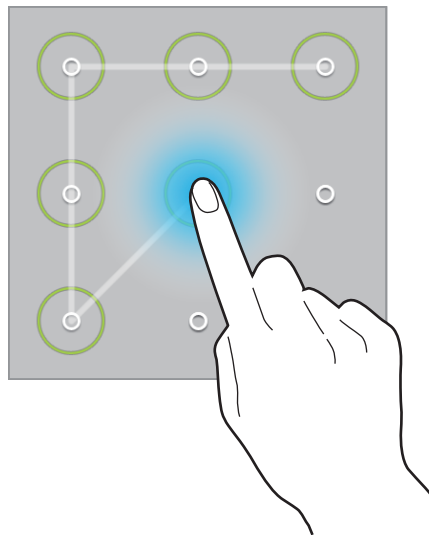
## Securing the device

Prevent others from using or accessing personal data and information stored in the device by using the security features. The device requires an unlock code whenever unlocking it.

### Setting a pattern

On the Applications list, Tap **Settings** → **Device** → **Lock screen** → **Screen lock** → **Pattern**.

Draw a pattern by connecting four dots or more, and then draw the pattern again to verify it. Set a backup unlock PIN to unlock the screen when you forget the pattern.



### Setting a PIN

On the Applications list, Tap **Settings** → **Device** → **Lock screen** → **Screen lock** → **PIN**. Enter at least four numbers, and then enter the password again to verify it.

### Setting a password

On the Applications list, Tap **Settings** → **Device** → **Lock screen** → **Screen lock** → **Password**.

Enter at least four characters including numbers and symbols, and then enter the password again to verify it.

## Unlocking the device

Turn on the screen by Pressing the Power/Screen lock Key or the Home Key, and enter the unlock code.



If you forget the unlock code, take the device to a SoftBank Shop.

## Updating software

You can update the device to the latest software.

Use a network to determine whether the device needs to be updated to the latest software and update it if it does.

- The device is designed to automatically perform some communications, such as updating software and maintaining a connection with the server.
- Updating software may take some time. You cannot use the device until the software update has completed.
- The software cannot be updated if there is insufficient available memory necessary for the update.
- Check that there is sufficient battery charge before executing a software update.
- Perform the software update in a place with good reception and do not move the device.
- You cannot use other features while updating the software.
- We recommend that you backup any important data before updating the software (some downloaded data may not be able to be backed up). While data that is saved with the device before the software update will stay as is, data may be lost depending on the status of the device (damaged, etc.). SoftBank Mobile Corp. takes no responsibility for any loss of data.
- Never remove the USIM Card or turn off the power during a software update. The update may fail if you do.
- If the software upgrade fails, the device may become unusable. Contact Customer Service if that happens.
- If the device does not restart after the software update, Hold down the Power/Screen lock and Volume Key at the same time for longer than seven seconds to restart the device. If the device still does not restart contact Customer Assistance (Repairs/Lost Devices) (👉 P.117).

## Updating with Samsung Kies

Launch Samsung Kies and connect the device to the computer. Samsung Kies automatically recognizes the device and shows available updates in a dialogue box, if any. Click the Update button in the dialogue box to start updating. Refer to the Samsung Kies help for details on how to update.



- Do not turn off the computer or disconnect the Micro USB cable (commercially available) 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.

## Updating with only the device

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

On the Applications list, Tap **Settings** → **General** → **About device** → **Software update** → **Update now**.

# Communication

## Contacts

Use this application to manage contacts, including phone numbers, email addresses, and others.




Tap **Contacts** on the Applications screen.

### Managing contacts

Tap **Contacts**.

#### Creating a contact

Tap  and enter contact information.

-  : Add an image.
-  /  : Add or delete a contact field.

#### Editing a contact

Select a contact to edit, and then Tap .

#### Deleting a contact

Select a contact to delete, and then Tap .



## Searching for contacts

Tap **Contacts**.

Use one of the following search methods:

- Scroll up or down the contacts list.
- Use the index at the left side of the contacts list for quick scrolling, by Dragging a finger along it.
- 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 favorite contacts.
- ✉ : Create a message.
- ✉@ : Create an email.

## Displaying contacts

Tap **Contacts**.

By default, the device shows all saved contacts.

Tap  → **Settings** → **Contacts to display**, and then change a location where contacts are saved.

## Moving contacts


Tap **Contacts**.

### Moving contacts to Google

Tap  → **Merge accounts** → **Merge with Google**.

Contacts moved to Google Contacts appear with  in the contacts list.

### Moving contacts to Samsung

Tap  → **Merge accounts** → **Merge with Samsung**.

Contacts moved to Samsung Contacts appear with  in the contacts list.

## Importing and exporting contacts

Tap **Contacts**.


### Importing contacts

Tap  → **Settings** → **Import/Export**, and then select an import option.

### Exporting contacts

Tap  → **Settings** → **Import/Export**, and then select an export option.


### Sharing contacts

Tap  → **Share contact via** → **Multiple contacts**, select contacts, Tap **Done**, and then select a sharing method.

## Favorite contacts

Tap **Favorites**.

Tap  , select a contact you would like to add to your favorites, and Tap **Done**.


Tap  , and then take one of the following actions:

- **Search:** Search for contacts.
- **Remove from Favorites:** Delete contacts from favorites.
- **List view / Grid view:** View contacts in grid or list form.
- **Help:** Access help information about using contacts.


## Contact groups

Tap **Groups**.

### Creating a group


Tap , set details for the group, add contacts, and then Tap **Save**.

### Adding contacts to a group

Select a group, and then Tap  → **Add member**. Select contacts to add, and then Tap **Done**.

### Managing groups

Select a group, Tap , and then perform one of the following actions:

- **Search:** Search for contacts.
- **Delete groups:** Select user-added groups, and then Tap **Done**. Default groups cannot be deleted.
- **Edit group:** Change the group settings.
- **Add member:** Add members to the group.
- **Remove from group:** Delete members from the group.
- **Send message:** Send a message to a group's members.
- **Send email:** Send an email to a group's members.
- **Change order:** Touch & Hold  next to the group name, Drag it up or down to another position, and then Tap **Done**.
- **Help:** Access help information about using contacts.


### Sending a message or email to a group's members

Select a group, Tap  → **Send message** or **Send email**, select members, and then Tap **Done**.

## Business card

Create a business card and send it to others.

Tap **Contacts**.

Tap **ME**, enter details, such as phone number, email address, and postal address, and then Tap **Save**. If user information has been saved when you set up the device, select the business card, and then Tap  to edit.

Tap  → **Share contact via** → **Selected contact**, and then select a sharing method.

## SoftBank Mail

Use this application to send S! Mail multimedia messages (MMS) or text message (SMS).

Tap **Mail** on the Applications list.



See the SoftBank Website for details about SoftBank Mail features.

## Initializing this application

When **Mail** is run for the first time, you need to set up the application to send and receive S! Mail when using Wi-Fi.

On the Applications list, **Mail** → **Set Now**.

## Sending messages

Tap **Mail**, enter recipients, subject, and a message, and then Tap **Send**.

 : Add recipients to the Cc: and/or Bcc: fields, and/or save as a draft.

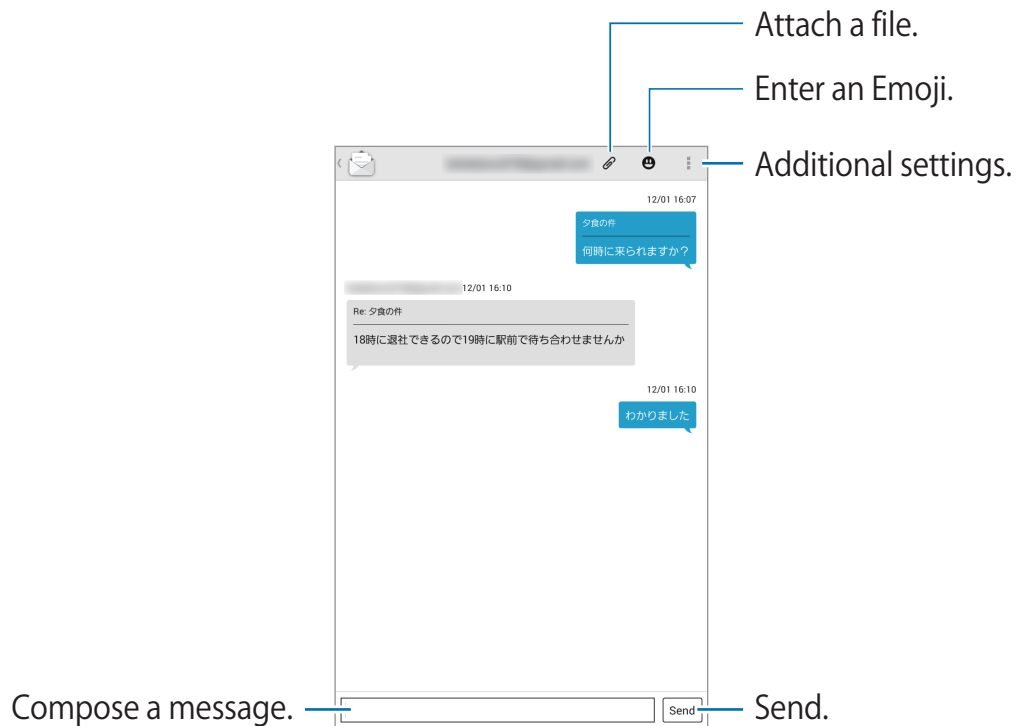
 : Add a recipient from the contacts list.

 : Attach images, videos, and others.

## Reading messages

When you receive a new message, a Notification screen and Notification Indicators are displayed. Tap **Read** to read the message.

To manually download a new message, Tap **New Mail**.




## Email

Use this application to send or view email messages.

Tap **Email** on the Applications list.



### Setting up email accounts

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

Enter the email address and password. Tap  for a private email account, such as Google Mail, or Tap **Manual setup** for a company email account. After that, follow the on-screen instructions to complete the setup.

To set up another email account, Tap  → **Settings** → **Add account**.

### Sending messages

Tap the email account to use, and then Tap  at the top of the screen. Enter recipients, subject, and message, and then Tap .

 : Add a recipient from the contacts list.


+**Me**: Add yourself as a recipient.

 : Add more recipients.

 : Attach images, videos, contacts, memos, events, and others.

 : Perform various settings on the main body text.


### Sending scheduled messages

While creating a message, Tap  → **Schedule sending**. Check **Schedule sending**, set a time and date, and then Tap **Done**. The device will send the message at the specified time and date.

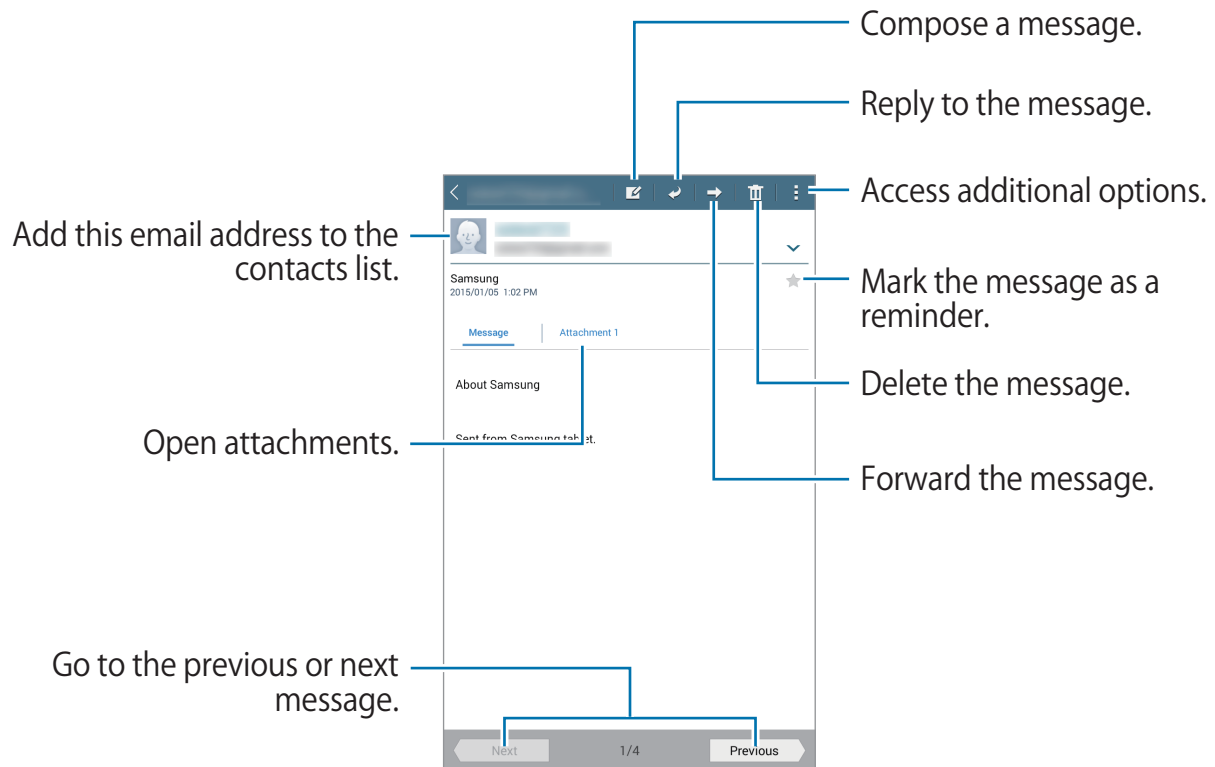


- If the device is turned off at the scheduled time, is not connected to the network, or the network is unstable, the message will not be sent.
- This feature is based on the time and date set on the device. The time and date may be incorrect if you move across time zones and the network does not update the information.

## Reading messages

Select an email account to use, and new messages are downloaded. To manually download new messages, Tap  .

Tap a message to read.



Tap the Attachment tab, Tap **Preview** to open attachments. Tap **Save** to save it.

# Gmail

This application is the Google email service.

Tap **Gmail** on the Applications list.

## Sending messages

In any mailbox, Tap , enter recipients, a subject, and a message, and then Tap **SEND**.

Tap  → **Save draft**: Save the message for later delivery.

Tap  → **Attach file**: Attach images, videos, music, and others.

Tap  → **Insert from Drive**: Insert data from Drive.

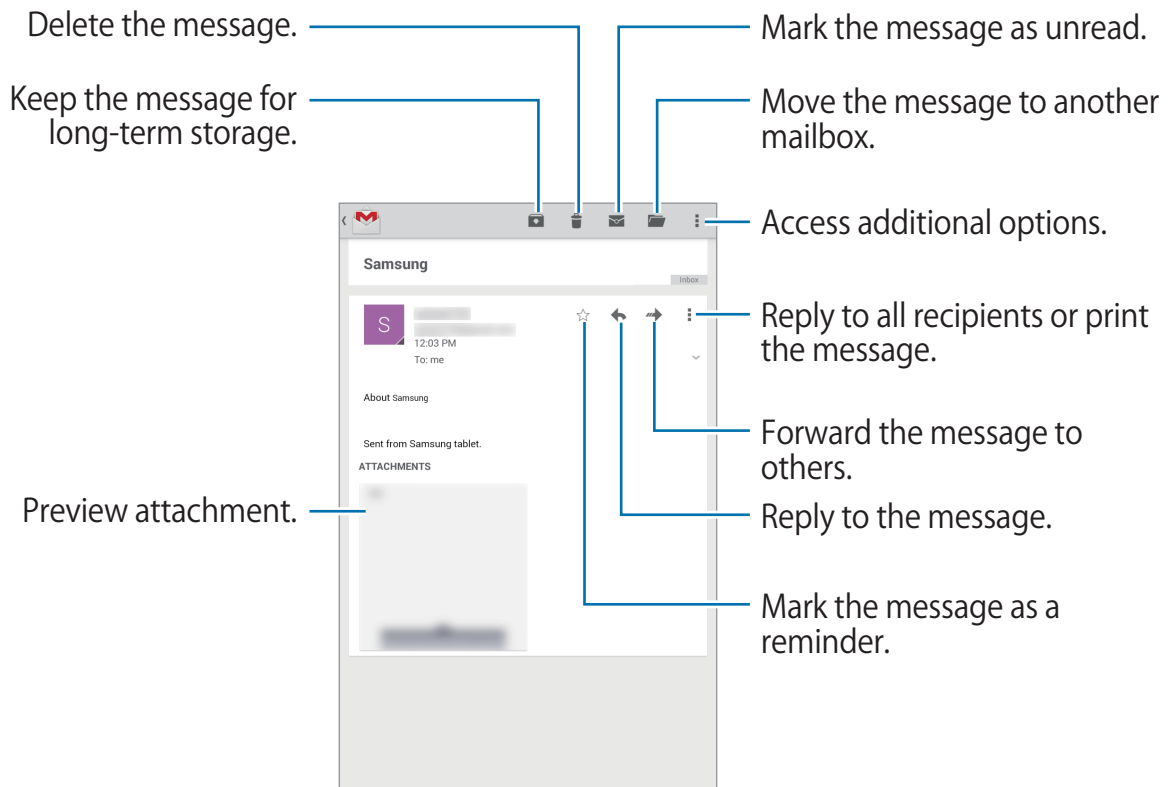
Tap  → **Discard**: Do not save message, start over.

Tap  → **Settings**: Change the Google Mail settings.

Tap  → **Send feedback**: Report your opinions for application development.

Tap  → **Help**: Access help information for the Google Mail.

## Reading messages





## Labels

Google Mail does not use actual folders, but uses labels instead. When Google Mail is opened, it displays messages labelled **INBOX**.

Tap  → **Refresh** to manually download new messages.

Tap  to view messages in other labels.

To add a label to a message, select the message, Tap  → **Change labels**, and then select the label to assign.

## Google+

Use this application to stay connected with people via Google's social network service.


Tap **Google+** on the Applications list.

Tap **Everything** to change the category, and then scroll up or down to view posts from your circles.

## Photos




Use this application to view and share images or videos via Google's social network services. Tap **Photos** on the Applications list.

Select one of the following categories:

- **ALL:** View all the images or videos that are taken or downloaded to the device.
- **HIGHLIGHTS:** View images or videos grouped by date or album. Tap  to view all of the images or videos in the group.

Then, select an image or video.

While viewing it, use one of the following icons:

- : Modify the image.
- : Share the image or video with others.
- : Delete the image or video.

# Web & network

## Internet

Use this application to browse the Internet.

Tap **Internet** on the Applications list.


## Viewing webpages

Tap the address field, enter the web address, and then Tap **Go**.

Tap  to access additional options while viewing a webpage.



To change the search page, Tap the address field, and then Tap the icon displayed on the left.

## Opening a new page

Tap  → **New tab**.

To go to another open webpage, Tap the title field tab. If multiple pages are open, scroll left or right on the tab, and then Tap the title.

## Searching the web by voice



Tap the address field, Tap  → , and then speak a keyword. The keyword search results will be displayed so select the page that you want to view.

## Bookmarks

To bookmark the current webpage, Tap  →  → **Save**.

To open a bookmarked webpage, Tap , and then select one.

## History

Tap  → **Bookmarks** → **History** and Tap a webpage from the list of recently-visited webpages that you want to view. To clear the history, Tap .

## Saved pages


To view saved webpages, Tap  → **Bookmarks** → **Saved pages**.

## Links

Touch & Hold a link on the webpage to open it in a new page, save, or copy.

To view saved links, on the Applications list, Tap **My Files** → **Download history**.

## Sharing webpages

To share a webpage address with others, Tap  → **Share via**.

To share a part of a webpage, Touch & Hold the desired text, and then Tap **Share via**.

# Chrome

Use this application to search for information and browse webpages.

Tap **Chrome** on the Applications list.




The How to Use Guide is displayed when this application is used for the first time.

## Viewing webpages

Tap the address field, and then enter a web address or search criteria.

## Opening a new page

Tap  → **New tab**.


To go to another webpage, Tap the title field tab. If multiple pages are open, scroll left or right on the tab, and then Tap the title.

## Bookmarks

To bookmark the current webpage, Tap  → **Save**.

To open a bookmarked webpage, Tap  → **Bookmarks**, and then select one.

## Searching the web by voice

Tap  and then speak a keyword. The keyword search results will be displayed so select the page that you want to view.

## Bluetooth

Bluetooth creates a direct wireless connection between two devices over short distances. Use Bluetooth to exchange data or media files with other devices.




- SoftBank Mobile Corp. is not responsible for the loss, interception, or misuse of data sent or received via the Bluetooth feature.
- 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). SoftBank Mobile Corp. is not responsible for the repercussions of illegal use of the Bluetooth feature.

To activate Bluetooth, on the Applications list, Tap **Settings** → **Connections** → **Bluetooth**, and then Drag the **Bluetooth** switch to the right.

### Pairing with other Bluetooth devices

On the Applications list, Tap **Settings** → **Connections** → **Bluetooth** → **Scan**, and detected devices are listed. Select the device you want to pair with, and then accept the autogenerated passkey on both devices to confirm.

### Sending and receiving data

Many applications support data transfer via Bluetooth. An example is **Gallery**. On the Application list, open **Gallery**, select an image, Tap  → **Bluetooth**, and then select one of the Bluetooth devices. After that, accept the Bluetooth authorization request from the other device to send the image.

When another device sends you data, accept the Bluetooth authorization request made by another device. Received files are saved in the **Download** folder. If a contact is received, it is added to the contacts list automatically.

## Screen Mirroring

Use this feature to connect your device to a large screen with an AllShare Cast dongle or HomeSync and then share your contents. You can also use this feature with other devices that support the Wi-Fi Miracast feature.



- Miracast-enabled devices that do not support High-bandwidth Digital Content Protection (HDCP 2.X) may not be compatible with this feature.
- Some files may be buffered during playback, depending on the network connection.
- To save energy, deactivate this feature when not in use.
- If you specify a Wi-Fi frequency, AllShare Cast dongles or HomeSync may not be discovered or connected.
- If you play videos or games on a TV, select an appropriate TV mode to get the best experience.

On the Applications list, Tap **Settings** → **Connections** → **Screen Mirroring**, and then Drag the **Screen Mirroring** switch to the right. Select a device, open or play a file, and then control the Display with the keys on your device. To connect to a device using a PIN, Touch & Hold the device name to enter the PIN.

# Media

## Music

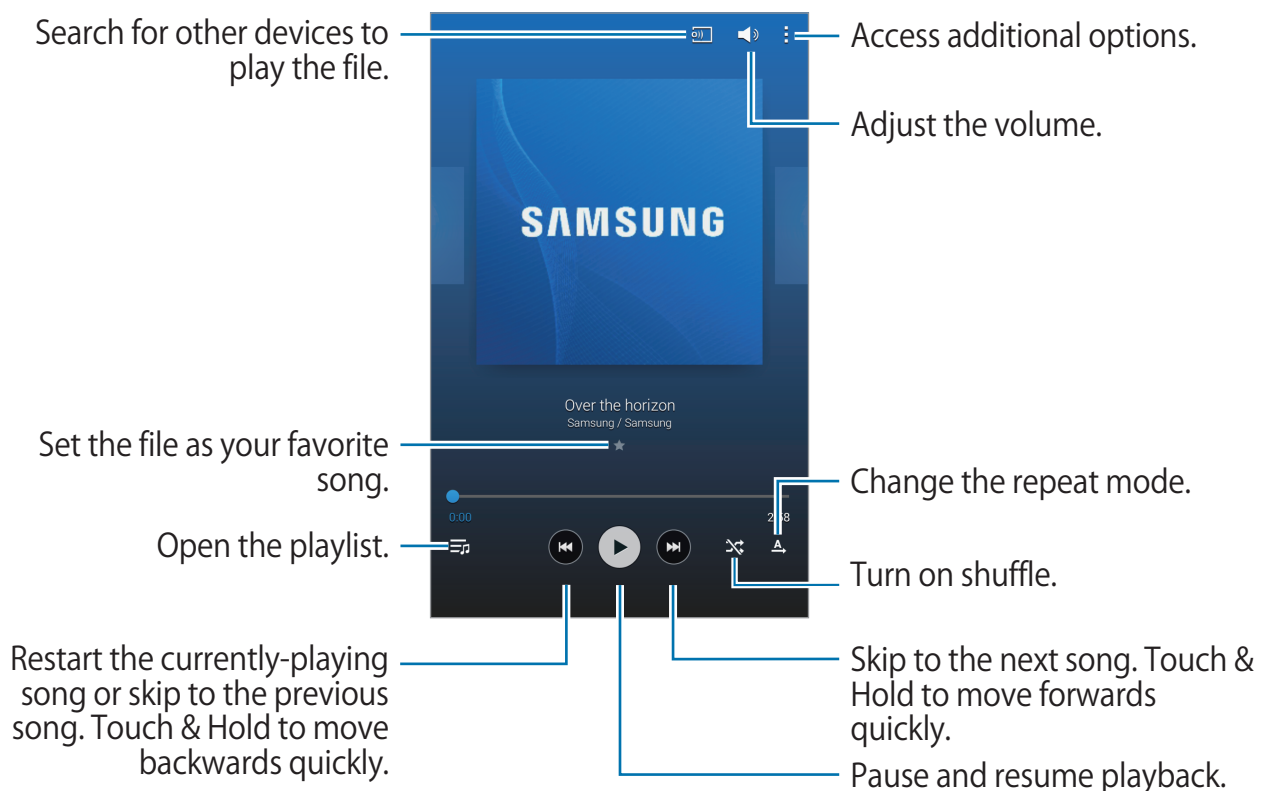
Use this application to listen to music.

Tap **Music** on the Applications list.

### Playing music

Select a category from the tab at the top of the screen, and then select a song to play.

The song that is currently being played on the basic music player (operation panel) is displayed at the bottom of the screen. Tap the left side of the basic music player to open the music player screen.






To listen to songs at equal volume levels, Tap  → **Settings** → **Smart volume**.




When **Smart volume** is activated, the volume may end up louder than the device volume level. Use caution to avoid long-term exposure to loud sounds to prevent damage to your hearing.



**Smart volume** may not be activated for some files.


To set a personalized sound while listening to songs with a headset, Tap  → **Settings** → **Adapt Sound** → **On**. When you turn the volume up to level 14 or higher, the adapt sound option is not applied to music playback. If you turn the volume down to level 13 or lower, the option is reapplied.

## Setting a song as an alarm tone

To use the currently-playing song as an alarm tone, Tap  → **Set as alarm tone**, set any other settings if necessary, and then Tap **Done**.

## Creating playlists


Create your own selection of songs.

Tap **Playlists**, and then Tap  → **Create playlist**. Enter a title and Tap **OK**. Tap **Add tracks**, select songs to include, and then Tap **Done**.

To add the currently-playing song to a playlist, Tap  → **Add to playlist**.

## Playing music by mood

Play music grouped by mood. The playlist is automatically created.

On the Music List screen, Tap  → **Music square**, and select a cell that matches your mood. Or select multiple cells by Dragging your finger.



If there are no songs that match the selected mood, cell selection is disabled.

# Camera

Use this application to take photos or videos. Use **Gallery** to view photos and videos taken with the device's camera. (👉 P. 67)

Tap **Camera** on the Applications list.



Make sure that the lens is clean. Otherwise, the device may not work properly in some modes that require high resolutions.

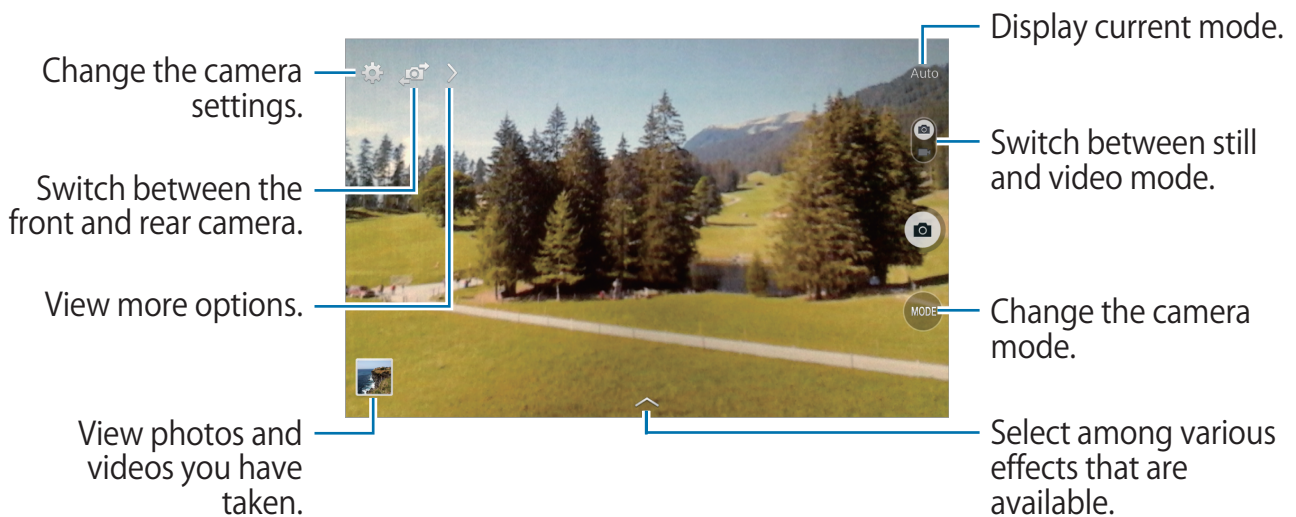
## Camera etiquette

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

## Taking photos

### Taking a photo

Tap  to take a photo.




## Camera mode

Several photo effects are available.

Tap **MODE**, and then scroll up or down the screen at the right side of the screen.

- **Auto:** Use this to allow the camera to evaluate the surroundings and optimize the color and brightness for the photo.
- **Beauty face:** Take a photo with lightened faces for nicer-looking expressions.
- **Sound & shot:** Use this to take a photo with sound.

Tap  to take a photo. The device records a few seconds of audio after taking a photo.





While taking photos in this mode, sound is recorded by the internal microphone.

- **Panorama:** Take a photo composed of many photos strung together. To get the best shot, follow these tips.
  - Move the camera slowly in one direction.
  - Keep the camera's viewfinder within the guide frame.
  - Avoid taking photos of a subject in front of unrecognizable backgrounds, such as empty skies or plain walls.
- **Sports:** Use this setting for fast-moving subjects.
- **Night:** Use this setting for images taken in darker conditions.

## Panoramic photos

A panoramic photo is a wide landscape image consisting of multiple shots.

Tap **MODE** → **Panorama**.

Tap  and move the camera in one direction. When two panorama guide frames are aligned, the camera automatically takes another shot in a panoramic sequence. To stop shooting, Tap .

If the viewfinder is out of the direction, the device stops shooting.




## Applying effects

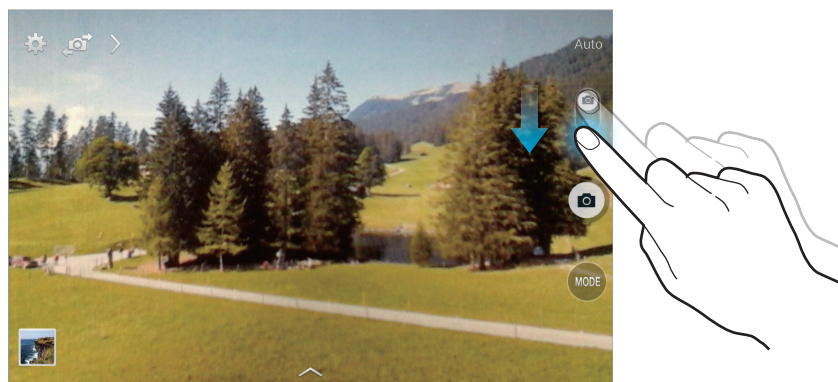
Use the effects to take unique photos or videos.

Tap  to display the effects that are available for that mode.

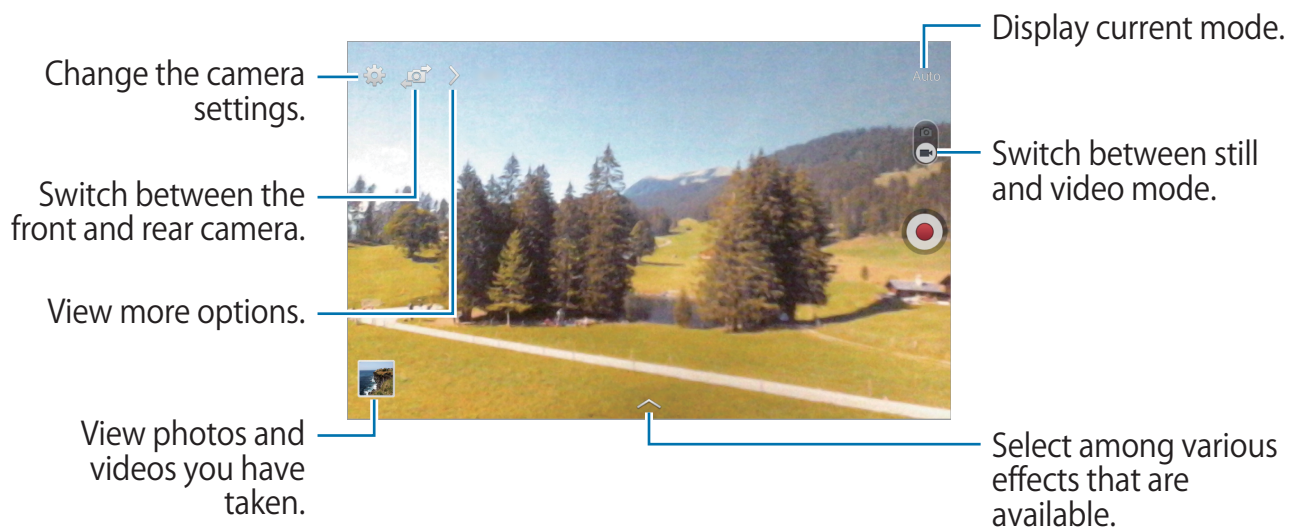
## Taking videos

### Taking a video

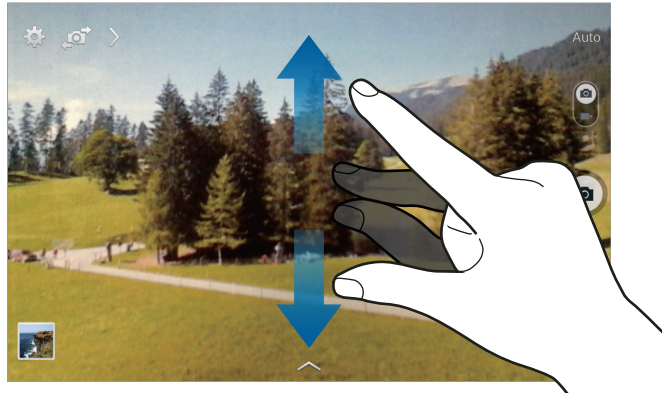
Slide the still-video switch to the video icon, and then Tap  to take a video. To pause recording, Tap . To stop recording, Tap .



### Recording mode



## Zooming in and out



You can use one of the following methods to zoom the camera in or out:

- Use the Volume button.
- Spread two fingers apart on the screen to zoom in, and Pinch to zoom out.



This feature is not available for some modes.

## Share shot

Tap  →  to share images that you've taken.




- **Share shot:** Send a photo directly to another device via Wi-Fi Direct.
- **Buddy photo share:** Set the device to recognize a person's face that you have tagged in a photo and send it to that person.
- **Remote viewfinder:** Set a device to control the camera remotely.




This feature is not available for some modes.

## Controlling the camera remotely

Set a device as a viewfinder to control the camera remotely.

Tap  →  → **Remote viewfinder**, and then connect the device and the camera using Wi-Fi Direct. Tap  to take a photo remotely using the device as a viewfinder.

## Configuring settings for Camera

Tap  to configure settings for Camera. The available options vary depending on the mode used.

- **Photo size / Video size:** Select a resolution. Use higher resolution for higher quality. But it takes up more memory.
- **Metering:** Select a metering method. **Center-weighted** measures background light in the center of the scene. **Matrix** averages the entire scene. **Spot** measures the light value at a specific location.
- **Location tag:** Attach a GPS location tag to the photo.



- To improve GPS signals, avoid shooting in locations where the signal may be 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 GPS tag setting.
- **Review:** Set the device to show photos or videos after taking them.
- **Volume key:** Set the device to use the Volume Key to control the shutter or zoom function.
- **Timer:** Use this for delayed-time shots.
- **White balance:** Select an appropriate white balance, so images have a true-to-life color range. The settings are designed for specific lighting situations. These settings are similar to the color temperature for white-balance exposure in professional cameras.
- **Brightness:** Change the brightness.
- **Guidelines:** Display viewfinder guides to help composition when selecting subjects.
- **Volume control:** Set the camera to take photos with voice commands.
- **Contextual filename:** Set the camera to display contextual tags. Activate this to use Tag Buddy in **Gallery**.
- **Save as flipped:** Invert the image to create a mirror-image of the original scene. This feature is available only when using the front camera.
- **Storage:** Select the memory location for storage.
- **Reset:** Reset the camera settings.
- **Help:** Access help information for using the camera.

## Shortcuts

Reorganize shortcuts for easy access to the camera's various options.

Tap  and Touch & Hold a shortcut icon.

Touch & Hold an option and Drag it to a slot at the top of the screen.

## Gallery

Use this application to view images and videos.

Tap **Gallery** on the Applications list.

### Viewing images

Opening **Gallery** displays available folders. When another application, such as **Email**, saves an image, the **Download** folder is automatically created to contain the image. Likewise, capturing a screenshot automatically creates the **Screenshots** folder. Select a folder to open it.

In a folder, images are displayed by creation date. Select an image to view it in full screen.

Scroll left or right to view the next or previous image.

### Zooming in and out


Use one of the following methods:

- Double-Tap anywhere to zoom in.
- Spread two fingers apart on any place to zoom in. Pinch or Double-Tap anywhere to zoom out.

### Playing videos

Video files show the  icon on the preview. Select a video to watch it and Tap .


### Trimming segments of a video

Select a video and Tap . Move the start bracket to the desired starting point, move the end bracket to the desired ending point, Tap **Done**, enter the new file name, and then Tap **OK**.



## Editing images

When viewing an image, Tap  and use the following functions:




- **Favorite:** Add to the favorites list.
- **Slideshow:** Start a slideshow with the images in the current folder.
- **Photo frame:** Use this to add a frame and a note to an image. The edited image is saved in the **Photo frame** folder.
- **Photo note:** Use this to write a note on the back of the image. Tap  to edit the note.
- **Copy to clipboard:** Copy to clipboard.
- **Print:** Print the image by connecting the device to a printer. Some printers may not be compatible with the device.
- **Rename:** Rename the file.
- **Buddy photo share:** Send the image to a person whose face is tagged in the image.
- **Rotate left:** Rotate anticlockwise.
- **Rotate right:** Rotate clockwise.
- **Crop:** Resize the blue frame to crop and save the image in it.
- **Set as:** Set the image as wallpaper or a contact image.
- **Details:** View image details.
- **Settings:** Change the Gallery settings.

## Favorite images

When viewing an image, Tap  → **Favorite** to add the image to the favorites list.

## Deleting images




You can use one of the following methods to delete an image:

- In a folder, Tap  → **Select item**, select images, and then Tap  → **OK**.
- When viewing an image, Tap  → **OK**.




## Sharing images


You can use one of the following methods to share an image:

- In a folder, Tap  → **Select item**, select images, and then Tap  to send them to others or share them via social network services.
- When viewing an image, Tap  to send it to others or share it via social network services.

## Setting as wallpaper

When viewing an image that you want to set as the wallpaper, Tap  → **Set as** to set the image as wallpaper or as a contact image.

## Tagging faces

When viewing an image that you want to tag, Tap  → **Settings** → **Tags**, and then check **Face tag**. A yellow frame appears around the recognized face.


Tap the face, Tap **Add name**, and then select or add a contact.

When the face tag appears on an image, Tap the face tag and use available options, such as sending messages.




Face detection may fail depending on the face angle, face size, skin color, facial expression, light conditions, or accessories the subject is wearing.

## Using Tag buddy

Tap  → **Settings** → **Tags** → **Tag buddy**, and then Drag the **Tag buddy** switch to the right to display a contextual tag (weather, location, person, and date) when opening an image.

## Organizing with folders

Create a folder to organize images or videos stored in the device. You can copy or move files from one folder to another.

To create a new folder, Tap . Enter a name for the folder, Tap **OK**, and then check images or videos. Touch & Hold any selected image or video, Drag it to the new folder, and then Tap **Done**. Tap **Copy** to copy or **Move** to move.

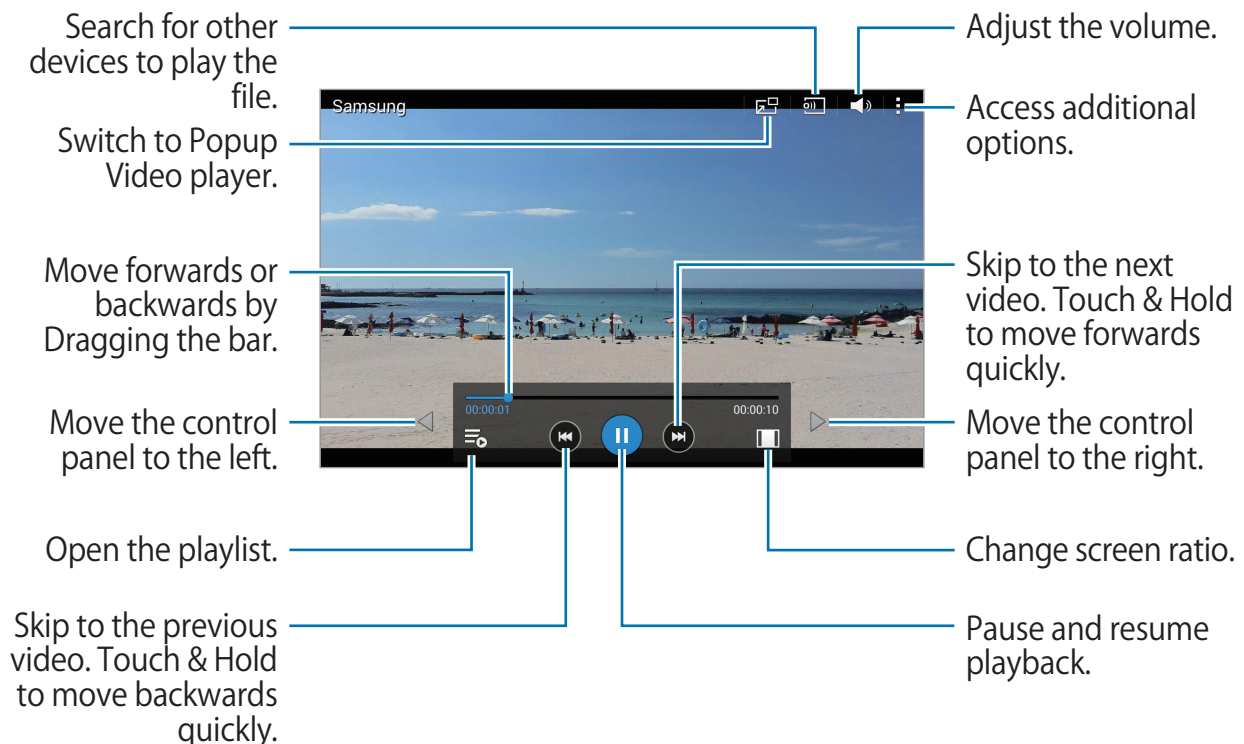
## Video

Use this application to play video files.

Tap **Video** on the Applications list.

### Playing videos

Select a video to play.



### Deleting videos

Tap → **Delete**, select videos, and then Tap **Done**.

### Sharing videos

Tap → **Select**, select videos, Tap , and then select a sharing method.

### Using Popup Video player

Use this feature to use other applications without closing the video player. While watching videos, Tap to use the pop-up player.


Spread two fingers apart on the screen to enlarge the player or Pinch to reduce it. To move the player, Drag the player to another location.

# YouTube

Use this application to watch videos from the YouTube website.


Tap **YouTube** on the Applications list.

## Watching videos


Tap  , and then enter a keyword. Select one of the returned search results to watch a video.

Tap the screen, Tap  , and then rotate the device to landscape orientation to display full screen.

## Sharing videos

Select the video to view, Tap  , and then select a sharing method.

## Uploading videos

Tap  → **Uploads** →  , select a video, enter information for the video, and then Tap **UPLOAD**.

# Application & media stores

## Play Store


Use this application to purchase and download applications and games that are able to run on the device.

Tap **Play Store** on the Applications list.



To use this application, you must first log in to your Google account.

## Installing applications

Browse applications by category, or Tap  to search with a keyword.

Select an image for an application that you want to download and on the application details screen, Tap **INSTALL**. If there is a charge for the application, Tap the price, read the on-screen instructions carefully, and if there are no issues, complete the purchase.



When a new version is available for any installed application, an update icon appears at the top of the screen to alert you to the update.

## Uninstalling applications

Uninstall the applications purchased from **Play Store**.

Tap  → **My apps**, select an application to delete in the list of installed applications, and then Tap **UNINSTALL**.

## GALAXY Apps

Use this application to purchase and download dedicated Samsung applications. For more information, visit [apps.samsung.com](https://apps.samsung.com).

Tap **GALAXY Apps** on the Applications list.

### Installing applications

Tap  to select a category.

To search for an application, Tap the search icon at the top of the screen, and then enter a keyword in the search field.

Select an application to view information. To download it, Tap **Free**. If there is a charge for the application, Tap the price, and follow the on-screen instructions to complete the purchase process.



When a new version is available for any installed application, an update icon appears at the top of the screen to alert you to the update. Open the Notifications window and Tap the icon to update the application.

## Play Books

Use this application to read and download book files.

Tap **Play Books** on the Applications list.



To use this application, you must first log in to your Google account.

## Play Movies & TV

Use this application to watch, download, and rent movies or TV shows.

Tap **Play Movies & TV** on the Applications list.



To use this application, you must first log in to your Google account.

## Play Games

Use this application to download and play games.

Tap **Play Games** on the Applications list.



To use this application, you must first log in to your Google account.

# Utilities

## Memo

Use this application to record important information to save and view at a later date. Tap **Memo** on the Applications list.

### Adding and managing categories


Create categories to sort and manage your memos.

On the memos list, Tap  → **Manage categories**.


To add a new category, Tap , enter a category name, and then Tap **OK**.




To delete a category, Tap  next to the category → **OK**.

To rename a category, Touch & Hold a category name, enter a new name for the category, and then Tap **OK**.

To change the category order, Tap  next to a category and Drag it up or down to another position.

### Creating memos

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

-  : Create or set a category.
-  : Insert images.
-  : 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.



## Browsing memos

Browse memo thumbnails by scrolling up or down.

To search for a memo, Tap .

To send a memo to others, Tap  → **Select**, select a memo, and then Tap .


To print memos by connecting the device to a printer, Tap  → **Select**, select memos, and then Tap . Some printers may not be compatible with the device.

To delete memos, Tap  → **Select**, select memos, and then Tap .

## Viewing a memo

Tap a memo thumbnail to open it.

To delete the memo, Tap .

To send the memo to others, Tap .

To print the memo by connecting the device to a printer, Tap . Some printers may not be compatible with the device.




## S Planner

Use this application to manage events and tasks.

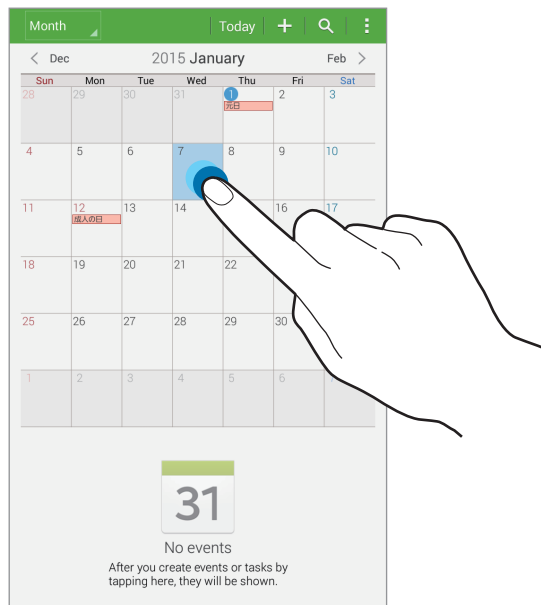
Tap **S Planner** on the Applications list.

### Creating events or tasks


Tap , and then use one of the following methods:

- **Event:** Enter an event with an optional repeat setting.
- **Task:** Enter a task with an optional priority setting.

Double-Tap a date to add an event or task more easily.




Enter a title and specify which calendar to use or synchronize with. Then add more details, such as how often the event repeats, when it has an advance alert, or where it takes place.

Attach a map showing the location of the event. Enter the location in the **Location** field, Tap  next to the field, and then pinpoint the precise location by Touching & Holding on the map that appears.

## Synchronizing with Google Calendar

On the Applications list, Tap **Settings** → **General** → **Google** into **Accounts**. Select the account, and then check **Sync Calendar**.

To manually synchronize for updating, on the Applications list, Tap **S Planner** →  → **Sync**.

To display synchronized events or tasks, Tap  → **Calendars**, and then check the Google account.

## Changing calendar type


Tap the top left of the screen, and then select one from among different types of calendars including year, month, week, and others.

## Searching for events or tasks

Tap , and then enter a keyword to search for.

To view today's events or tasks, Tap **Today** at the top of the screen.

## Deleting events or tasks

Select an event or task, and then Tap  → **Delete** → **OK**.

## Sharing events or tasks

Select an event or task, Tap  → **Share via**, and then select a sharing method.

## Dropbox



Use this application to save and share files with others via the Dropbox cloud storage. When you save files to Dropbox, your device automatically synchronizes with the web server and any other computers that have Dropbox installed.

Tap **Dropbox** on the Applications list.



Sign in to your Dropbox account. If you do not have it, create a Dropbox account. Once Dropbox is activated, Tap **Turn on Camera Upload** to upload photos and videos taken with the device's camera to Dropbox automatically.

To view the uploaded photos or videos, Tap .

To share or delete files or create albums, Tap , and then select files.

To upload files to Dropbox, Tap  →  → **Upload here** → **Photos or videos** or **Other files**.

To open files in Dropbox, select a file.

While viewing images or videos, Tap  to add it to the favorites list. To open files in the favorites list, Tap .

To view notifications, Tap .

## Cloud

Use this feature to synchronize files with your Samsung account or Dropbox. On the Applications list, Tap **Settings** → **General** → **Cloud**.

### Synchronizing with the Samsung account

Tap your Samsung account or **Sync settings** to synchronize files.

### Backing up or restoring data

Tap **Backup** or **Restore** to back up or restore data with your Samsung account.

### Synchronizing with Dropbox

Tap **Link Dropbox account**, and then enter the Dropbox account. Follow the on-screen instructions to complete the setup.

Once you sign in, Tap **Allow** and the device automatically synchronizes files with Dropbox whenever you make some changes.

## Drive

Use this application to create and edit documents and share them with others via Google Drive storage. When you create documents or upload files to Google Drive, your device automatically synchronizes with the web server and any other computer with Google Drive installed. Access your files without transferring or downloading.

Tap **Drive** on the Applications list.

## Hancom Office Viewer






Use this application to view documents in various formats, including spreadsheets and presentations.

Tap **Hancom Office Viewer** on the Applications list.

### Searching documents

Tap **Open** to browse a document.

On the **Open** screen, you can perform one of the following options:

-  : Create a folder.
-  : Retrieve new documents.
-  : Sort documents and folders.
-  : Change the view mode.
-  : Select documents or folders.

To search for recently-used documents, Tap **Recent Documents**.

### Reading documents

Tap a document in **Recent Documents** or in a folder.

Tap  or , and then use one of the following functions:

#### Word processor

- **Find:** Search for text.
- **Zoom:** Change the view size.
- **Document Info:** Open document details such as title, date, and author.
- **Print:** Print the document by connecting the device to a printer. Some printers may not be compatible with the device.
- **Send:** Send the document to others or share it.
- **Office Download:** The download page is displayed.
- **Edit:** Edit the document. To use this feature, you need to download and install the required application.
- **Help:** View information about Hancom Office Viewer.

## Presentation

- **Find:** Search for text.
- **Zoom:** Change the view size.
- **Document Info:** Open document details such as title, date, and author.
- **Slide Show:** Start a slideshow from the first page.
- **From Current Slide:** Start a slideshow from the current page.
- **Show Presenter View:** Display presentation tools on the device when it is connected to an external monitor.
- **Print:** Print the document by connecting the device to a printer. Some printers may not be compatible with the device.
- **Send:** Send the document to others or share it.
- **Office Download:** The download page is displayed.
- **Edit:** Edit the document. To use this feature, you need to download and install the required application.
- **Help:** View information about Hancom Office Viewer.

## Spreadsheet

- **Find:** Search for text.
- **Zoom:** Change the view size.
- **Document Info:** Open document details such as title, date, and author.
- **Sort:** Sort cells by specific criteria.
- **Show Formulas:** View the formulas inside cells instead of their calculated results.
- **Freeze Panes:** Keep the selected row in place.
- **Gridlines:** Hide or show gridlines.
- **Show All Comments:** Hide or show memos on the document.
- **Print Area:** Select an area to print.
- **Print:** Print the document by connecting the device to a printer. Some printers may not be compatible with the device.
- **Send:** Send the document to others or share it.
- **Office Download:** The download page is displayed.
- **Edit:** Edit the document. To use this feature, you need to download and install the required application.
- **Help:** View information about Hancom Office Viewer.

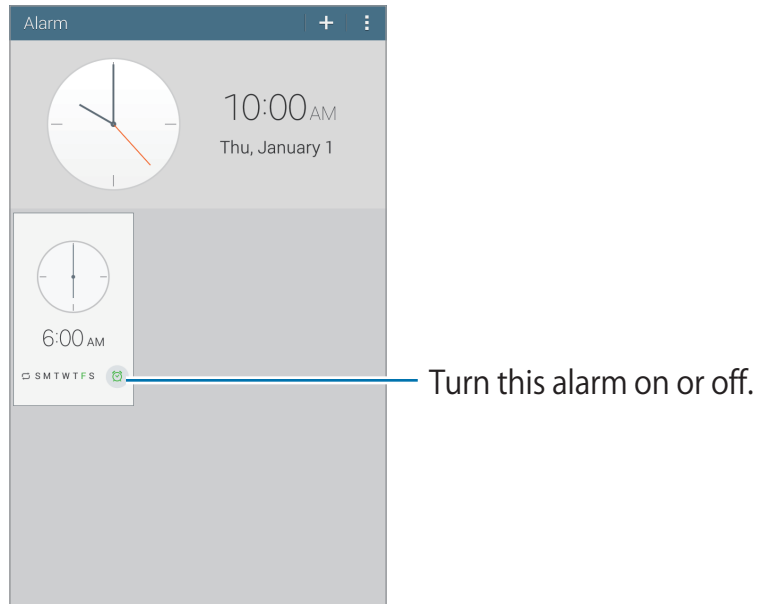
## PDF

- **Search:** Search for text.
- **Send:** Send the document to others or share it.
- **Properties:** Open document details such as title, date, and author.
- **Zoom:** Change the view size.
- **Show comments/Hide comments:** Hide or show comments on the document.
- **Continuous view/Horizontal page scrolling/Vertical page scrolling:** Change the view mode.
- **Reflow view/Original view:** View the document contents only, without margins.
- **Go to page:** Move to a specified page.
- **Bookmarks:** View bookmarks on the document.
- **Print:** Print the document by connecting the device to a printer. Some printers may not be compatible with the device.

# Alarm

Use this application to set alarms for important events.

Tap **Alarm** on the Applications list.



## Setting alarms

Tap **+**, set a time for the alarm to go off. Select days for the alarm to repeat, and then Tap **Save**.

- **Location alarm:** Set a location. The alarm goes off only when you are in the location.
- **Snooze:** Set an interval and the number of times for the alarm to repeat after the preset time.
- **Smart alarm:** Set a time for the alarm to go off before the preset time; the alarm goes off at a low volume and then gradually increases.

## Stopping alarms

Drag **X** outside the large circle to stop an alarm. If you set Snooze, Drag **ZZ** outside the large circle to repeat the alarm after a specified length of time.

## Deleting alarms

Touch & Hold the alarm, and then Tap **🗑**.






## World Clock

Use this application to check the time of many major cities in the world.

Tap **World Clock** on the Applications list.

### Creating clocks

Tap  and enter a city name or select a city from the cities list.

To apply daylight saving time, Tap  → **Select**, select a clock, and then Tap .


### Deleting clocks

Tap  → **Select**, select clocks, and then Tap .

## Calculator

Use this application for simple or complex calculations.

Tap **Calculator** on the Applications list.

Rotate the device to landscape orientation to display the scientific calculator. If **Screen rotation** is disabled, Tap  → **Scientific calculator**.

To see the calculation history, Tap  to hide the keypad.

To clear the history, Tap  → **Clear history**.

## S Voice

Use this application to command the device by voice to perform various features. Tap **S Voice** on the Applications list. Alternatively, Press the Home Key twice.



This application is not supported in some languages.

Here are several examples of spoken commands:

- Open music
- Launch calculator
- Check schedule

Tips for better voice recognition

- Speak clearly.
- Speak in quiet places.
- Do not use offensive or slang words.
- Avoid speaking in dialectal accents.


The device may not recognize your commands or may perform unwanted commands depending on your surroundings or how you speak.

## Google

Use this application to search not only the Internet, but also applications and their contents on the device as well.


Tap **Google** on the Applications list.

### Searching the device

Tap the search field, and then enter a keyword. Alternatively, Tap  , and then speak a keyword.

### Google Now

Launch Google search to view Google Now cards that show the current weather, public transit info, your next appointment, and more when you are most likely to need it.

Join Google Now when opening Google search for the first time. To change Google Now settings, Tap  → **Settings**, and then Drag the **Google Now** switch to the left or right.

## Voice Search

Use this application to search webpages by speaking.

Tap **Voice Search** on the Applications list.

Speak a keyword or phrase when **Speak now** appears on the screen.

## My Files

Use this application to access all kinds of files stored in the device, including images, videos, songs, and sound clips.

Tap **My Files** on the Applications list.

### Viewing files


Files stored in the device are sorted by criteria. From the left pane of the screen, select one of the following categories:











- **Timeline:** View files that are grouped by date.
- **Favorite folders:** View shortcuts to folders.
- **Folders:** View files stored in the internal memory or a SD Card, and shortcuts to FTP servers.
- **Categories:** View files sorted by their types.
- **Apps:** View files stored or created in specific applications.

Select a category, and then select a file or folder to open it.


After selecting a category, Tap , and then use one of the following options:

- **Select:** Select files or folders.
- **Sort by:** Sort files or folders.
- **Add to Favorite folders:** Add a shortcut to the folder in **Favorite folders**.
- **Add shortcut to home:** Add a shortcut to a file or folder to the Classic home screen.
- **Add FTP:** Add an FTP server shortcut in **Folders**.
- **Scan for nearby devices:** Search for devices that have media sharing activated.
- **Display options:** Change the file display options.

Tap  → **Select**, select a file or folder, and then use one of the following functions:

- : Send files to others or share them.
- : Delete files or folders.
- : Move files or folders to another folder.
- : Copy files or folders to another folder.
-  → **Go to folder**: Go to the folder that the selected file is in.
-  → **Rename**: Rename a file or folder.
-  → **Add to Favorite folders**: Add a shortcut to the folder in **Favorite folders**.
-  → **Add shortcut to home**: Add a shortcut to a file or folder to the Home screen.
-  → **Zip**: Compress files or folders to create a zip file.
-  → **Details**: Open file or folder details.




## Searching for a file

Tap , and then enter search criteria.

## Viewing storage information

Tap  to view memory information for your device and SD Card.

## Changing the view mode

Tap , ,  to change the view mode.


## Creating folders

Tap , enter a name for the folder, and then Tap **OK**.

## Adding shortcuts to folders

Add a shortcut to frequently-used folders in **Favorite folders**. Select a folder and Tap  → **Add to Favorite folders**.

## Adding FTP server shortcuts to the device

Add an FTP server shortcut in **Folders**. Tap  → **Add FTP**, enter details for the FTP server, and then Tap **Done**.

# Travel & local


## Maps

Use this application to pinpoint the location of the device, search for places, or get directions. Tap **Maps** on the Applications list.

### Searching for locations

Search for locations by entering an address or a keyword. Once the location is found, select a location to view the detailed information. Refer to the help for more information.

### Getting directions for a destination

Tap  to set starting and ending locations, and then select a travel method. The device shows the routes to get to the destination.

# Settings

## About Settings

Use this application to configure the device, set application options, and add accounts. Tap **Settings** on the Applications list.

## Connections


### Wi-Fi

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

To use options, Tap .

- **Advanced:** Customize Wi-Fi settings.
- **WPS push button:** Connect to a secured Wi-Fi network with a WPS button.
- **WPS PIN entry:** Connect to a secured Wi-Fi network with a WPS PIN.
- **Help:** Access help information for Wi-Fi.

### Setting Wi-Fi sleep policy

On the Settings screen, Tap **Connections** → **Wi-Fi** →  → **Advanced** → **Keep Wi-Fi on during sleep**.




When the screen is turned off, the device automatically turns off Wi-Fi connections. When this happens, the device automatically accesses 4G and other data networks if it is set to use them. This may incur data transfer fees. To avoid data-usage fees, set this option to **Always**.



## Network notification

The device can detect open Wi-Fi networks and display an icon on the Status bar to notify when available.

On the Settings screen, Tap **Connections** → **Wi-Fi** →  → **Advanced** and check **Network notification** to activate this feature.

## Wi-Fi Direct

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

On the Settings screen, Tap **Connections** → **Wi-Fi** → **Wi-Fi Direct**.

## Bluetooth

Activate the Bluetooth feature to exchange information over short distances.

To use more options, Tap .

- **Visibility timeout:** Set duration that the device is visible.
- **Received files:** View received files via the Bluetooth feature.
- **Rename device:** Change the device name.
- **Help:** Access help information for Bluetooth.

## Airplane mode

Keeps power on, and suspends signal transmitting functions.

## Data usage

Keep track of your data usage amount, and customize the limit settings.

- **Mobile data:** Set the device to use data connections on any mobile network.
- **Set mobile data limit:** Set a limit for the mobile data usage.
- **Data usage cycle:** Enter monthly reset date to monitor your data usage.

To use more options, Tap .

- **Data roaming:** Set the device to use data connections when you are roaming.
- **Restrict background data:** Set the device to disable synchronizing in the background while using a mobile network.
- **Auto sync data:** Activate or deactivate auto-syncing of applications. You can select what information to synchronize for each account in **Settings** → **General** → **Accounts**.
- **Show Wi-Fi usage:** Set the device to show your data usage via Wi-Fi.

## Location

Change settings for location information permissions.

- **Mode:** Select a method to collect your location data.
- **RECENT LOCATION REQUESTS:** View which apps request your current location information and their battery usage.
- **LOCATION SERVICES:** View the location services your device is using.
- **LOCATION SOURCES:** Set up profiles that will be used for specific locations when you use GPS, Wi-Fi, or Bluetooth features to find your current location.

## More networks

Customize settings to manage connections with other devices or networks.

### Printing

Configure settings for printer plug-ins installed on the device. You can search for available printers or add one manually to print files via Wi-Fi or cloud services.

### Mobile networks

- **Mobile data:** Set the device to be able to use network services such as 4G.
- **Data roaming:** Set the device to use data connections when you are roaming.
- **Access Point Names:** Set up access point names (APNs).
- **Network mode:** Select a network type.
- **Network operators:** Select a network operator.

### VPN

Set up and connect to virtual private networks (VPNs).

### Ethernet

Use this option to activate the Ethernet feature and configure network settings when an Ethernet adaptor is connected to the device.

## Nearby devices

- **DEVICE NAME:** View the device name.
- **Shared contents:** Set the device to share your content with other devices.
- **Allowed devices:** View the list of devices that can access your device.
- **Denied devices:** View the list of devices that are blocked from accessing your device.
- **Download to:** Select a memory location for saving media files.
- **Download from other devices:** Set the device to accept uploads from other devices.

## Screen Mirroring

Activate the screen mirroring feature and share your display with others.

## Device

### Sound

Change settings for various sounds on the device.

- **Volume:** Adjust the volume level for music and videos, system sounds, and notifications.
- **Notifications:** Select a notification tone for events, such as incoming messages.
- **Touch sounds:** Set the device to sound when selecting an application or option on the Display.
- **Screen lock sound:** Set the device to sound when locking or unlocking the Display.
- **Email:** Change the email notification settings.
- **S Planner:** Change the S Planner notification settings.
- **Adapt Sound:** Personalize the sound for the ear you use most while listening to music.

### Display

Change the settings for the Display.

- **Brightness:** Set the brightness of the Display.
- **Screen timeout:** Set the length of time the device waits before turning off the Display's backlight.
- **Daydream:** Set the device to open a screensaver when your device is charging.
- **Show battery percentage:** Set the device to display the remaining battery life.

### Multi window

Activate the Multi Window feature to run multiple applications on the screen at the same time.

- **Open in multi window view:** Set the device to activate the Multi Window feature when you open files from **My Files** or **Video**. Also, the device activates this feature when you view attachments in messages.

## Lock screen

Change settings for the locked screen.

- **Screen lock:** Change the screen lock feature. The following options may vary depending on the screen lock feature selected.
- **Clock widget options:** Configure settings for the clock widget.
  - **Dual clock:** Set the device to show the dual clock.
  - **Clock size:** Change the size of the clock.
  - **Show date:** Set the device to show the date and time with the clock.
- **Shortcuts:** Set the device to show and edit application shortcuts on the locked screen.
- **Personal message:** Set the device to show a personal message on the locked screen.
  - **Edit personal message:** Edit the personal message.
- **Owner information:** Enter your information that is shown with the clock.
- **Unlock effect:** Select an effect when you unlock the screen.
- **Help text:** Set the device to show the help text on the locked screen.

## Wallpaper

Change the wallpaper settings.

- **Home screen:** Select a background image for the Home screen.
- **Lock screen:** Select a background image for the locked screen.
- **Home and lock screens:** Select a background image for the Home screen and the locked screen.

## Font

Change the settings for the font.

- **Font style:** Change the font type for display text.
- **Font size:** Change the font size.

## Notification panel


Customize the items that appear on the Notifications window.

- **Brightness and volume:** Set the device to display the brightness and volume adjustment bars on the Notifications window.
- **Recommended apps:** Set the device to display a list of recommended applications on the Notifications window based on your actions, such as connecting a headset to the device.
- **Set quick setting buttons:** Rearrange the quick setting buttons displayed on the Notifications window.

## Accessibility

Accessibility services are special features for those with certain physical disabilities. Access and alert the following settings to improve accessibility to the device.

- **Auto rotate screen:** Set the interface to rotate automatically when you rotate the device.
- **Screen timeout:** Set the length of time the device waits before turning off the display's backlight.
- **Speak passwords:** Set the device to read aloud passwords you enter with TalkBack.
- **Single tap mode:** Set this to control notifications by Tapping the button instead of Dragging it.
- **Show shortcut:** Add a shortcut to **Accessibility** or **TalkBack** on the quick menu that appears when you Press & Hold the Power/Screen lock Key.
- **Manage accessibility:** Export or import the accessibility settings to share them with other devices.
  - **Export:** Export the current accessibility settings as a file.
  - **Update:** Import the current accessibility settings as a file.
  - **Share via:** Send and share the accessibility settings file to others.
- **TalkBack:** Activate TalkBack, which provides voice feedback.
- **Font size:** Change the font size.
- **Magnification gestures:** Set the device to zoom in and out with finger gestures.

- **Negative colors:** Reverse the Display colors to improve visibility.
- **Color adjustment:** Adjust the color scheme for the screen when the device determines that you are color blind or having difficulty reading content.
- **Notification reminder:** Set the device to alert you when you have missed notifications and set an interval for repeating the alert.
- **Accessibility shortcut:** Set the device to activate TalkBack when you Press & Hold the Power/Screen lock Key, and then Touch & Hold the screen with two fingers.
- **Text-to-speech options:**
  - **Samsung text-to-speech engine/Google Text-to-speech Engine:** Select a speech synthesis engine. To change the settings for speech synthesis engines, Tap .
  - **Speech rate:** Select a speed for the text-to-speech feature.
  - **Listen to an example:** Listen to the spoken text for an example.
  - **Default languages status:** Open the status of the default language for the text-to-speech feature.
- **Sound balance:** Adjust the sound balance when using a dual headset.
- **Mono audio:** Enable mono sound when listening to audio with one earbud.
- **Turn off all sounds:** Mute all device sounds.
- **Google subtitles (CC):** Set the device to display closed captions on content supported by Google and to change the closed caption settings.
- **Samsung subtitles (CC):** Set the device to display closed captions on content supported by Samsung and to change the closed caption settings.
- **Assistant menu:** Set the device to show the assistive shortcut icon that helps you access functions supported by external buttons or features on the Notifications window. You can also edit the menu on the shortcut icon.
  - **Dominant hand:** Select the left or right hand for easy assistant menu use.
  - **Edit:** Customize the items that appear on the assistant menu.
- **Press and hold delay:** Set the recognition time for Touching & Holding the screen.
- **Interaction control:** Activate interaction control mode to restrict the reaction of the device for inputs in an application.



## Blocking mode

Select which notifications will be blocked or set to allow notifications for calls from specified contacts in blocking mode.

## Controls

### Language and input

Change the settings for text input. Some options may not be available depending on the selected language.

#### Language

Select a display language for all menus and applications.

#### Default

Select a default keyboard type for text input.

### Samsung Japanese Keyboard

To change the Samsung keyboard settings, Tap  .

- **Input Language:** Set languages to be used when inputting text.
- **3x4 Keyboard ⇔ QWERTY Keyboard:** Select the default keyboard layout.
- **Flick Input:** Set the device to enter characters with Flick input when the 3x4 keyboard is selected.
- **Display/Key operation:** Set the behavior of the keypad display and key operation.
- **Prediction/Conversion:** Set Input Word Learning and Word Prediction, and more granular prediction/conversion.
- **Voice Input/Handwriting Input:** Set whether to use voice input or handwriting input.
- **Dictionary:** Save words in the dictionary.
- **External Application:** Set whether to use mushroom expansion.
- **Reset:** Reset Samsung Japanese Keyboard settings.

## Google voice typing

To change the voice input settings, Tap  .

- **Languages:** Select input languages for text input.
- **Block offensive words:** Set the device to prevent the device from recognizing offensive words in voice inputs.
- **Offline speech recognition:** Download and install language data for offline voice input.

## Voice recognizer

Select a voice recognition engine.



This feature appears once you use a voice recognition application.

## Voice search

For Samsung voice recognition, use the following options:

- **Language:** Select a language for the voice recognition.
- **Hide offensive words:** Hide offensive words from voice search results.
- **About:** View that which pertains to S Voice.
- **Open via the home key:** Set the device to open S Voice when you Press the Home Key twice.
- **Voice wake-up:** Set the device to start voice recognition by saying a wake up command while using S Voice.
- **Check missed events:** Set the device to open messages, or events when S Voice is launched by Pressing the headset button.
- **Home address:** Enter your home address to use location information with the voice command feature.
- **Log in to Facebook:** Enter your Facebook account information to use Facebook with S Voice.
- **Log in to Twitter:** Enter your Twitter account information to use Twitter with S Voice.

For Google voice recognition, use the following options:


- **Languages:** Select a language for the voice recognition.
- **Speech output:** Set the device to provide voice feedback to alert you to the current action.
- **"Ok Google" Detection:** Set the device to start voice searching from a Google application by saying "OK Google".



This feature is not supported in some languages.

- **Offline speech recognition:** Download and install language data for offline voice input.
- **Block offensive words:** Hide offensive words from voice search results.
- **Bluetooth headset:** Set the device to allow a voice search with a Bluetooth headset, when one is connected to the device.

## Text-to-speech options

- **Samsung text-to-speech engine/Google Text-to-speech Engine:** Select a speech synthesis engine. To change the settings for speech synthesis engines, Tap .
- **Speech rate:** Select a speed for the text-to-speech feature.
- **Listen to an example:** Listen to the spoken text for an example.
- **Default languages status:** View the status of the default language for the text-to-speech feature.

## Pointer speed

Adjust the pointer speed for the mouse or trackpad connected to your device.

## Palm motion

Set to be able to control the screen with the palm of your hand.

- **Capture screen:** Set the device to capture an image of the screen when you Flick your hand to the left or right across the screen.
- **Mute/pause:** Set the device to pause media playback when you touch the screen with your palm.

## Smart screen

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

# General

## Accounts

Add email or SNS accounts.

## Cloud

Change settings for syncing data or files with your Samsung account or Dropbox cloud storage.

## Backup and reset

Change the settings for managing settings and data.

- **Back up my data:** Set the device to back up settings and application data to the Google server.
- **Backup account:** Set up or edit your Google backup account.
- **Automatic restore:** Set the device to restore settings and application data when the applications are reinstalled on the device.
- **Factory data reset:** Reset settings to the factory default values and delete all data.

## Date and time

Determine how the device displays the time and date.



If the battery is discharged, the date and time are reset.

- **Automatic date and time:** Automatically update the time and date when moving across time zones.
- **Set date:** Set the current date manually.
- **Set time:** Set the current time manually.
- **Automatic time zone:** Set the device to receive time zone information from the network when you move across time zones.
- **Select time zone:** Set the home time zone.
- **Use 24-hour format:** Display time in 24-hour format.
- **Select date format:** Select a date format.

## Application manager

View and manage the applications on your device.

## Default applications

Select a default setting for using applications.

## Battery

View the amount of battery power consumed by your device. Also, check battery and system usage histories and details.

## Power saving mode

Activate power-saving mode and change the settings for power-saving mode.

- **CPU performance:** Set the device to limit some system resource usage.
- **Screen output:** Set the device to decrease the brightness of the Display.
- **Learn about power saving:** Discover how to reduce battery consumption.

## Storage

View memory information for your device and SD Card, or format a SD Card.



Formatting a SD Card permanently deletes all data from it.



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

## Security

Change settings for securing the device and the USIM Card.

- **Encrypt device:** Set a password to encrypt data saved on the device. You must enter the password each time you turn on the device.



Charge the battery before enabling this setting because it may take more than an hour to encrypt your data.

- **Encrypt external SD card:** Set the device to encrypt files on a SD 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.

- **Remote controls:** Set the device to allow control of your lost or stolen device remotely via the Internet. To use this feature, you must sign in to your Samsung account.
  - **ACCOUNT REGISTRATION:** Add or view your Samsung account.
  - **Use wireless networks:** Set the device to allow location data collection or to determine the location of your lost or stolen device via Wi-Fi network.
- **SIM charge alert:** Activate or deactivate the Find my mobile feature which helps locate the device when lost or stolen.
- **Go to website:** Access the Find my mobile website ([findmymobile.samsung.com](https://findmymobile.samsung.com)). You can track and control your lost or stolen device on the Find my mobile website.
- **Set up SIM card lock:**
  - **Lock SIM card:** Activate or deactivate the PIN lock feature to require the PIN before using the device.
  - **Change SIM PIN:** Change the PIN used to access USIM data.
- **Make passwords visible:** Set the device to display passwords as they are entered.
- **Device administrators:** View device administrators installed on the device. You can allow device administrators to apply new policies to the device.

- **Unknown sources:** Set the device to allow the installation of applications from unknown sources.
- **Verify apps:** Set the device to allow Google to check applications for harmful behavior before installing them.
- **Security policy updates:**
  - **Automatic updates:** Set the device to check and download security updates automatically.
  - **Preferred networks:** Select a network connection type to check and download security updates automatically.
  - **Check for updates:** Check for security updates.
- **Send security reports:** Set the device to send security reports automatically when the device is connected to a Wi-Fi network.
- **Storage type:** Set a storage type for credential files.
- **Trusted credentials:** Use certificates and credentials to ensure secure use of various applications.
- **Install from device storage:** Install encrypted certificates stored on the USB storage.
- **Clear credentials:** Delete the credential contents from the device and reset the password.

## About device

Open device information, edit the device name, or update device software.

## Google Settings

Use this application to configure settings for some features provided by Google. Tap **Google Settings** on the Applications list.



# Troubleshooting

Before contacting Customer Service or contacting SoftBank Shop, please attempt the following solutions.

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

- Password: When the device lock feature is enabled, you must enter the password you set for the device.
- PIN: When using the device for the first time or when the PIN requirement is enabled, you must enter the PIN supplied with the USIM Card.
- PUK: Your USIM Card is blocked, usually as a result of entering your PIN incorrectly several times. You must enter the PUK supplied by your service provider.
- PIN2: When you access a menu requiring the PIN2, you must enter the PIN2 supplied with your USIM Card. For more details, contact Customer Service or contact SoftBank Shop.

## 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 details, contact Customer Service or contact SoftBank Shop.

## Your device does not turn on

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

## The Display responds slowly or improperly

- If you attach a protective cover or optional accessories to the Display, the Display may not function properly.
- If you are wearing gloves, if your hands are not clean while touching the Display, or if you Tap the Display with sharp objects or your fingertips, the Display may malfunction.
- The Display 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 upgraded to the latest version.
- If the Display is scratched or damaged, contact Customer Service or contact SoftBank Shop.

## Your device freezes or has fatal errors

If your device freezes or hangs, you may need to close applications or turn off the device and turn it on again. If your device is frozen and unresponsive, Press & Hold the Power/Screen lock Key and the Volume Key down simultaneously for more than 7 seconds to restart it.

If this does not solve the problem, perform a factory data reset. On the Applications list, Tap **Settings** → **General** → **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 on the device.

If the problem is still not resolved, contact Customer Service or contact SoftBank Shop.

## A cellular network or the Internet is often disconnected or audio quality is poor

- Ensure that you are not blocking the device's internal antenna.
- When you are in areas with weak signals or poor reception, you may lose reception. You may have connectivity problems due to issues with the communication base station.
- 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 device does not charge

- Ensure that the AC Charger (optional) is connected properly.
- If the battery terminals are dirty, the battery may not charge properly or the device may turn off. Wipe both gold-colored contacts and try charging the battery again.

## The battery promptly discharges

- When you expose 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 applications, 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 applications that require more power or use applications 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.

## Error messages appear when opening the camera

Your device must have sufficient available memory and battery power to open the camera application. 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 application after trying these tips, contact Customer Service or contact SoftBank Shop.

## 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 media files

If you receive error messages or media 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 license 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 application that supports it. To confirm the file formats that your device supports, <http://www.samsung.com>.
- Your device supports photos and videos captured with the device. Photos and videos captured by other devices may not work properly.
- Some content circulated on the Internet, such as notification 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 resolve the problem, contact Customer Service or contact SoftBank Shop.

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

- Ensure that the Micro USB Cable (commercial item) you are using is compatible with your device.
- Ensure that you have the proper driver installed and updated on your computer.
- Ensure that you have Samsung Kies or Windows Media Player 10 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 on the device has been lost

Always make backup copies of all important data stored on the device. Otherwise, you cannot restore data if it is corrupted or lost. SoftBank Mobile Corp. is not responsible for the loss of data stored on 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.

# Specifications

## Device

Item		Description
Weight		Approx. 278 g (with Internal Battery)
Internal Battery Capacity		4000 mAh
Continuous Standby Time <sup>1</sup>	3G	Approx. 930 hours
	4G:FDD-LTE Network	Approx. 860 hours
Charging Time <sup>2</sup>		AC Charger (ZTDAC1; Micro USB, 1.0 A) Approx. 260 hours
		AC Charger (ZTDAD1; Micro USB, 1.8 A) Approx. 260 hours
Dimensions (W x H x D)		Approx. 108 x 187 x 9.2 mm
Maximum Output	3G	0.25 W
	4G	0.25 W
Maximum Transmission Speed <sup>3</sup>	SoftBank 4G LTE	112.5 Mbps <sup>4</sup> in downlink 37.5 Mbps in uplink

- 1 Average measured with device fully charged, without operations, in strong signal conditions at rest, and with Data transmission and Urgent News disabled. May vary with battery strength, ambient temperature, settings, etc.
- 2 Measured with power off using AC Charger.
- 3 Provided on a best-effort basis; transmission speed may decrease or transmission may become unavailable due to traffic conditions, network environment, etc. In addition, transmission speed varies by area.
- 4 Depending on area, maximum downlink speed is set to 37.5 Mbps or 75 Mbps. For Network coverage information, device SoftBank Mobile Website (such information may be available in Japan only).

## Materials

Part		Material	Surface treatment
Headset Port	Frame	PA4T	—
	Connector	Copper and titanium	Gold
External camera (lens)		PC and acrylic	AR coating, silk print
External camera (frame)		Aluminum	Anodized
Power/Screen lock Key		PC and urethane	UV coating
Volume Key		PC and urethane	UV coating
UIM Card slot		PC and urethane	UV coating, silk print
SD Card slot		PC and urethane	UV coating, silk print
Multipurpose Port	Frame	PA4T	Plating
	Connector	Copper and titanium	Plating
Speaker mesh		Stainless steel	DFR coating
Screen protector		Silicone PSA	Printed
Home Key frame		Aluminum	Anodized
Home Key		Aluminum	Anodized
Display		Reinforced glass	Tempered, printed
Cabinet (front: silver section)		PC	PVD
Cabinet (back/sides)		PC GF30	Urethane coating, silk print, laser print

# Warranty & After-Sales Service

## Warranty

Device purchase includes warranty.

- Check shop name and purchase date.
- Read warranty and keep in a safe place.
- Warranty period is given in warranty.



### Damages

- Please be forewarned that SoftBank Mobile Corp. is not liable for damages incurred by the user, or third parties because of missed opportunities such as communications, etc. due to the device malfunctions, misoperations or glitches, etc.

### Malfunction/Repairs

- SoftBank Mobile Corp. recommends that you keep records of important contacts, etc. because your registered or set details may be lost or altered due to malfunctions, or repairs. Moreover, please be forewarned that SoftBank Mobile Corp. is not liable for damages if registered data (contacts, music, still photographs or video, etc.) or set details are lost or changed when the device malfunctions, or is repaired.

### Disassembly/Modification

- Disassembly/modification of device is prohibited under the Radio Law. Note that device cannot be accepted for repairs if modified.

## After-Sales Service

To request repairs, contact Customer Service (☞ P.117) or a nearby SoftBank Shop. Have details of symptoms ready.

- During the warranty period, repairs are made under the terms and conditions of the warranty.
- After the warranty period, if device can be repaired, repairs will be made at cost.



### Further inquiries

- For more information on after-sales service, contact a nearby SoftBank Shop or Customer Service (☞ P.117).



# Customer Service

For SoftBank device or service information, call General Information. For repairs, call Customer Assistance.

## SoftBank Customer Support

### ■ General Information

From a SoftBank handset, dial toll free at **157**

From a landline/IP phone, dial toll free at **0800-919-0157**

### ■ Customer Assistance (Repairs/Lost Device)

From a SoftBank handset, dial toll free at **113**

From a landline/IP phone, dial toll free at **0800-919-0113**

**If you cannot reach a toll free number, use the number (charges apply) below for your service area:**

Hokkaido Area, Tohoku Area, Hokuriku Area, Kanto & Koshinetsu Area	022-380-4380
Tokai Area	052-388-2002
Kansai Area	06-7669-0180
Chugoku, Shikoku Area, Kyushu & Okinawa Area	092-687-0010

## Smartphone Technical Support Center

From a SoftBank handset, dial toll free at **151**

From a landline/IP phone, dial toll free at **0800-1700-151**

## SoftBank Mobile Global Call Center

From outside Japan, dial +81-92-687-0025 (toll free from SoftBank handsets)

If device is lost/stolen, call this number immediately (international charges apply)



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SoftBank Mobile Corp.

Manufacturer: Samsung Electronics Co.,Ltd.