

GT-S5660M

P O R T A B L E Q u a d - B A N D
M O B I L E P H O N E

User Manual

**Please read this manual before operating your
phone, and keep it for future reference.**



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Warning

Depending on the user interface used in the handset, you may experience slow keypad response when performing tasks in the background. This can impact making phone calls. When there is no activity or change in the icons at the top of the main LCD display, the handset will resume normal operations.

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using this manual

Instructional Icons

Before you start, familiarize yourself with the icons that are used in this manual:



Warning: Situations that could cause injury to yourself or others.



Caution: Situations that could cause damage to your phone or to other equipment.



Note: Notes, usage tips, or additional information.



Refer to: Pages with related information. For example: ▶ p. 12 (represents “see page 12”).



Followed by: The order in which options or menus must be selected to perform a step. For example: Select **Messaging** → **New message** represents: select **Messaging** followed by **New message**.

[] **Square brackets:** Device keys. For example:
[] (represents the Home key).

introducing your phone

Unpack

Check your product box for the following items:

- Mobile phone
- Battery
- Travel adapter (charger)
- Data Cable
- Stereo Headset
- Quick Start Guide and Safety and Warranty Guide



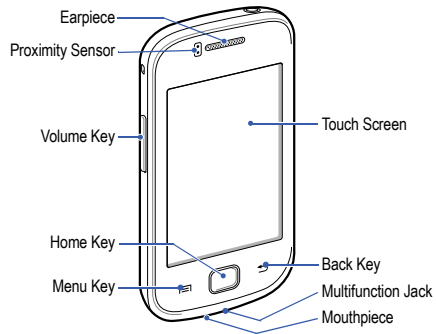
Only use Samsung-approved software. Pirated or illegal software might cause damage or malfunctions that are not covered by your manufacturer's warranty.



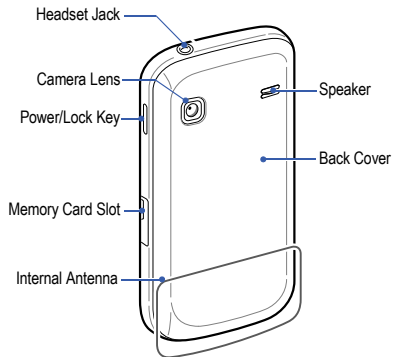
The items supplied with your phone might vary depending on the software and accessories available in your region or offered by your service provider. You can obtain additional accessories from your local Samsung dealer. The supplied accessories provide the best performance with your phone.

Phone Layout






Front of phone



Back of phone



























Keys






| Key | Function | |
|---|----------------|--|
|  | Power/ Lock | Turn on the phone (press and hold), end a call, access the quick menus (press and hold), or lock the touch screen. |
|  | Menu | Open a list of options available on the current screen. Press and hold to launch Google Search. |
|  | Home | Return to the Idle screen or open the list of recent applications (press and hold). |
|  | Back | Return to the previous screen. |
|  | Volume | Adjust the phone's volume. |

Indicator Icons

Icons shown on the display might vary depending on your region or service provider.

| Icon | Definition |
|---|-----------------------------|
|  | No signal |
|  | Signal strength |
|  | GPRS network connected |
|  | UMTS network connected |
|  | WLAN activated |
|  | Bluetooth activated |
|  | Bluetooth headset connected |
|  | GPS activated |
|  | Call in progress |
|  | Call on hold |

| Icon | Definition |
|---|--|
|  | Speakerphone activated |
|  | Missed call |
|  | Synchronised with the web |
|  | Uploading data |
|  | Downloading data |
|  | Call diverting activated |
|  | No SIM card |
|  | New text or multimedia message |
|  | New email message |
|  | New voicemail message |
|  | Alarm activated |
|  | Event notification |
|  | Roaming (outside of normal service area) |
|  | Silent mode activated |

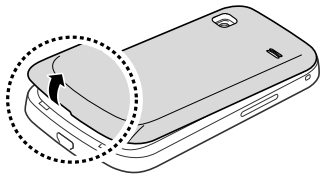
| Icon | Definition |
|---|------------------------------------|
|  | Flight mode activated |
|  | Vibration activated |
|  | Music playback in progress |
|  | Music playback paused |
|  | Error occurred or caution required |
| 10:00 AM | Current time |

Install the SIM Card and Battery

When you subscribe to a cellular service, you will receive a Subscriber Identity Module (SIM) card with subscription details, such as your personal identification number (PIN) and optional services.

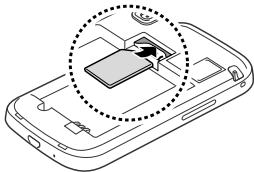
To install the SIM card and battery:

1. If the phone is on, press and hold [ⓘ] and select **Power Off** to turn it off.
2. Remove the back cover.



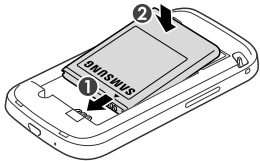
Be careful not to damage your fingernails when you remove the back cover.

3. Insert the SIM card.

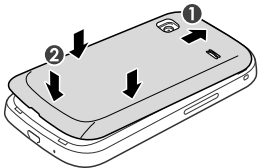


- Place the SIM card in the phone with the gold-coloured contacts facing down.
- If you do not insert a SIM card, you can only use your phone's non-network services and some menus.
- Do not insert a memory card into the SIM card slot.

4. Insert the battery.



5. Replace the back cover.




Charge the Battery

Before using the phone for the first time, you must charge the battery. You can charge the phone with the provided travel adapter or by connecting the phone to a PC with a PC data cable.



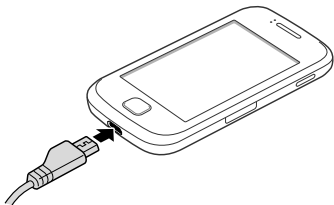
Only use Samsung-approved chargers and cables. Unauthorized chargers or cables can cause batteries to explode or damage your phone.



When your battery is low, the phone will emit a warning tone and display a low battery message. The battery icon  will also be empty and turn red. If the battery level becomes too low, the phone will automatically power off. Recharge the battery to continue using the phone.

To charge the battery using the travel adapter:

1. Plug the small end of the travel adapter into the multifunction jack.





Improperly connecting the travel adapter can cause serious damage to the phone. Any damage caused by misuse is not covered by the warranty.

2. Plug the large end of the travel adapter into a power outlet.



- You can use the phone while it is charging, but it might take longer to fully charge the battery.
- While the phone is charging, the touch screen might not function due to an unstable power supply. If this happens, unplug the travel adapter from the phone.
- While charging, the phone might heat up. This is normal and should not affect the phone's lifespan or performance.
- If your phone is not charging properly, bring the phone and the charger to a Samsung Service Centre.


3. When the battery is fully charged (the battery icon is no longer moving), unplug the travel adapter from the phone and then from the power outlet.

-  Do not remove the battery before removing the travel adapter. Doing so might cause damage to the phone.
-  To save energy, unplug the travel adapter when not in use. The travel adapter does not have a power switch, so you must unplug it from the outlet to interrupt the power supply. The travel adapter should remain close to the socket when in use.

To charge the battery using the PC data cable:

Before charging, ensure that your PC is turned on.


1. Plug the micro USB end of the PC data cable into the multifunction jack.
2. Plug the other end of the PC data cable into a USB port on a PC.

-  Depending on the type of PC data cable you are using, it might take some time before charging begins.

3. When the battery is fully charged (the battery icon is no longer moving), unplug the PC data cable from the phone and then from the PC.

Insert a Memory Card (optional)

To store additional multimedia files, you must insert a memory card. Your phone accepts microSD™ or microSDHC™ memory cards up to 32 GB (depending on the memory card manufacturer and type).

-  Samsung uses approved memory standards for memory cards but some brands might not be fully compatible with your phone. Using an incompatible memory card might damage your phone or the memory card and can corrupt data stored on the card.

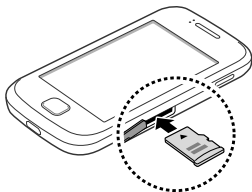


- Your phone only supports the FAT file structure for memory cards. If you insert a card formatted with a different file structure, your phone will prompt you to reformat the memory card.
- Frequent writing and erasing of data will shorten the lifespan of memory cards.
- When you insert a memory card into your phone, the file directory of the memory card will appear in the /sdcard folder.

To insert a memory card:

1. Open the cover of the memory card slot on the side of the phone.

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




3. Push the memory card into the memory card slot until it locks into place.
4. Close the cover of the memory card slot.

To remove a memory card:

Before removing the memory card, unmount it for safe removal.



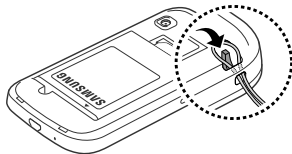
Do not remove the memory card while the phone is transferring or accessing information, as this might result in the loss of data or damage to the memory card or phone.

1. In Idle mode, select  → **Settings** → **SD card and phone storage** → **Unmount SD card** → **OK**.
2. Open the cover of the memory card slot on the side of the phone.
3. Push the memory card gently until it disengages from the phone.
4. Pull the memory card out of the memory card slot.
5. Close the cover of the memory card slot.

Attach a Hand Strap (optional)

To attach a hand strap to your phone:

1. Remove the back cover.
2. Slide the hand strap through the slot and hook it over the small projection.



3. Replace the back cover.

getting started with your phone

Turn Your Phone On and Off

To turn your phone on, press and hold [⏻]. Your phone will automatically connect to the network. When you turn on your phone for the first time, follow the on-screen instructions to set up your phone.



You might be charged for the data connection because the connection to the Google web server is always active by default.

To turn your phone off:

1. Press and hold [⏻].
2. Select **Power off** → **OK**.



- Follow all posted warnings and directions when in area where the use of wireless devices is restricted, such as aeroplanes and hospitals.

- To only use your phone's non-network services, switch to Flight mode. Press and hold [Ⓜ] and select **Flight mode**.

Use the Touch Screen

Your phone's touch screen lets you easily select items or perform functions.



- To avoid scratching the touch screen, do not use sharp tools.
- Do not allow the touch screen to come into contact with other electrical devices. Electrostatic discharges can cause it to malfunction.
- Do not allow the touch screen to come into contact with water. The touch screen might malfunction in humid conditions or when exposed to water.



- For optimal use of the touch screen, remove the screen protection film before using your phone.
- Your touch screen has a layer that detects small electrical charges emitted by the human body. For best performance, tap the touch screen with your fingertip. The touch screen will not react to the touches of sharp tools, such as a stylus or pen.

To control the touch screen:

- **Tap:** Tap once with your finger to select or launch a menu, option, or application.
- **Tap and hold:** Tap an item and hold it for more than 2 seconds to open a pop-up option list.
- **Drag:** Tap and drag your finger up, down, left, or right to move to items on lists.
- **Drag and drop:** Tap and hold your finger on an item and then drag your finger to move the item.

- **Double-tap:** Tap twice quickly with your finger to zoom in or out while viewing photos or web pages.



- Your phone turns off the touch screen when you do not use the phone for a specified amount of time. To turn on the touch screen, press [⏻] or [🔘].
- You can also adjust the backlight time. In Idle mode, select [⌘] → **Settings** → **Display** → **Screen timeout**.

To lock or unlock the touch screen and keys:

You can lock the touch screen and keys to prevent any unwanted phone operations.

- To lock, press [⏻].
- To unlock, turn on the touch screen by pressing [⏻] or [🔘], and drag [🔒] right until it reaches the dot.

Get to Know the Idle Screen

When your phone turns on or is in Idle mode, the Idle screen is displayed. From this screen, you can access various features and status information.

The Idle screen has multiple panels. Scroll left or right to a panel on the Idle screen.

Add items to the Idle screen:

You can customize the Idle screen by adding shortcuts to applications or items in applications, widgets, or folders.

To add items to the Idle screen:

1. Press [⌘] → **Add** or tap and hold in an empty area in the Idle screen.
2. Select the item category and then select an item:
 - **Widgets:** Add widgets to the Idle screen. Widgets are small applications that provide convenient functions and information to your Idle screen.

- **Shortcuts:** Add shortcuts to items, such as applications, bookmarks, and contacts.
- **Folders:** Create a new folder or add folders for your contacts.
- **Wallpapers:** Set a background image.



Available items vary depending on the current Idle screen mode.

To move items on the Idle screen:

1. Tap and hold the item that you want to move until the item appears grey.
2. Drag the item to a new location.

To remove items from the Idle screen:

1. Tap and hold the item that you want to remove. The trash bin appears at the bottom of the Idle screen.
2. Drag the item to the trash bin.

3. When the item turns red, release the item.

Use the shortcuts panel

In Idle mode or while using an application, tap the indicator icons area and drag your finger down to open the shortcuts panel. You can activate or deactivate wireless connection features and access a list of notifications, such as messages, calls, events, or processing status.

- To hide the shortcuts panel, drag the bottom of the list up.
- To clear the notification list, select **Clear**.

In the shortcuts panel, you can access the following options:

- **Wi-Fi:** Activate or deactivate the WLAN connection feature. ► p. 70
- **B/T:** Activate or deactivate the Bluetooth wireless connection feature. ► p. 68
- **GPS:** Activate or deactivate the GPS feature.



- **Sound/Vibration:** Activate or deactivate Vibration mode.
- **Auto rotation:** Activate or deactivate auto rotation.




Available options might vary depending on your region or service provider.

Add or remove panels from the Idle screen

You can add or remove panels from the Idle screen to organise widgets according to your preferences and needs.


1. In Idle mode, press [] → **Edit**.
You can also place two fingers on the screen and pinch to switch to Edit mode.
2. Add or remove panels using the following features.
 - To remove a panel, tap and hold the thumbnail of a panel and drag it to the trash bin at the bottom of the screen.
 - To add a new panel, select .

- To change the order of the panels, tap and hold the thumbnail of a panel and drag it to a new location.

3. When you are finished, press [].

Access Applications

To access your phone's applications:


1. In Idle mode, select  to access the application list.
2. Scroll left or right to display the application screen.
3. Select an application.



- When you use applications provided by Google, you must have a Google account. If you do not have a Google account, you will need to create one.
- You can add a shortcut to an application by tapping and holding an application icon in the application list. You can then move the icon on the Idle screen as needed.

4. Press [↩] to return to the previous screen or press [□] to return to the Idle screen.



Your phone has a built-in motion sensor that detects its orientation. While using some features, if you rotate the phone the interface automatically switches to landscape view. To set the interface to retain the portrait orientation when the phone is rotated, select  → **Settings** → **Display** → **Auto-rotate screen**.

To organize applications:

You can reorganize the applications in the application list by changing their order or by grouping them into categories to suit your needs.

1. In the application list, press [≡] → **Edit**.
2. Tap and hold an application.

3. Drag the application icon to a new location. You can move an application icon to another main menu screen.
4. Press [↩] to return to the previous screen or press [□] to return to the Idle screen.

To change the order of the main menu screens:

1. In the application list, place two fingers on the screen and pinch.
2. Tap and hold the thumbnail of a screen and drag it to a new location.


To access recent applications:

1. Press and hold [□] to open a list of applications that you have recently accessed.
2. Select the application that you want to access.

To use the task manager:

Your phone is a multitasking device. It can run more than one application at the same time. However, multitasking


might cause hang-ups, freezing, memory problems, or additional power consumption. To avoid these problems, end unnecessary programs using the task manager.

1. In Idle mode, select  → **Task manager** → **Active applications**. A list of all of the applications that are currently running appears.
2. To close an application, select **End**.
To close all active applications, select **End all**.

Customize Your Phone

Get more from your phone by customizing it to suit your needs.

To set the current date and time:

1. In Idle mode, select  → **Settings** → **Date & time**.
2. Set the date and time and change other options as needed.

To turn the touch tone on or off:



- In Idle mode, select  → **Settings** → **Sound** → **Audible selection**.

To adjust the volume of the ringtones:

- Press the Volume key up or down to adjust the ringtone volume.

To switch to or from Silent mode:

To mute or unmute your phone, do one of the following:

- In Idle mode, select  → **Keypad** and tap and hold #.
- Open the shortcuts panel at the top of the screen and select **Sound**. It will be changed to **Vibration**.
- Press and hold [>] and select **Silent mode**.

To change your ringtone:


1. In Idle mode, select  → **Settings** → **Sound** → **Phone ringtone**.

2. Select a ringtone in the list and select **OK**.

To activate animation for switching windows:

- In Idle mode, select  → **Settings** → **Display** → **Animation** → **Some Animations** or **All Animations**.

To select wallpaper for the Idle screen:

1. In the Idle mode, press [] → **Wallpaper** and select an option.
2. Select an image.
3. Select **Save** or **Set wallpaper**.



Samsung is not responsible for any use of default images or wallpapers provided on your phone.

To adjust the brightness of the display:

1. In Idle mode, select  → **Settings** → **Display** → **Brightness**.


2. Drag the slider to adjust the level of brightness,
3. Select **OK**.



The brightness level of the display will affect how quickly the phone uses battery power.

To set an unlock pattern:

You can lock the touch screen with an unlock pattern or password to prevent unauthorized people from using your phone without your permission.


1. In Idle mode, select  → **Settings** → **Location & security** → **Set up screen lock** → **Pattern**.
2. Follow the on-screen instructions and example patterns and select **Next** (if needed).
3. Draw a pattern by dragging your finger to connect at least 4 dots.
4. Select **Continue**.

5. Draw the pattern again to confirm.
6. Select **Confirm**.




- When you have set an unlock pattern, you have to use the pattern each time you turn on the phone. If you do not want the phone to require a pattern, clear the checkbox next to **Use visible pattern** in **Location & security**.
- If you forget the unlock pattern, take your phone to a Samsung Service Centre to be unlocked.
- Samsung is not responsible for the loss of passwords or private information or other damages caused by illegal software.

To set an unlock PIN code:

1. In Idle mode, select  → **Settings** → **Location & security** → **Set up screen lock** → **PIN**.
2. Enter a new PIN (numeric) and select **Continue**.

3. Enter the PIN again and select **OK**.

To set an unlock password:

1. In Idle mode, select  → **Settings** → **Location & security** → **Set up screen lock** → **Password**.
2. Enter a new password (alphanumeric) and select **Continue**.
3. Enter the password again and select **OK**.

To lock your SIM card:

You can lock your phone by activating the PIN supplied with your SIM card.

1. In Idle mode, select  → **Settings** → **Location & security** → **Set up SIM card lock** → **Lock SIM card**.
2. Enter your PIN and select **OK**.

Once the PIN lock is enabled, you must enter the PIN each time you turn on the phone.



- If you enter an incorrect PIN too many times, your SIM card will be blocked. You must enter a PIN unlock key (PUK) to unblock the SIM card.
- If you block your SIM card by entering an incorrect PUK, bring the card to your service provider to be unblocked.

Enter Text

You can enter text by selecting characters on the virtual keypad or by inputting handwriting on the screen. You can enter text and create messages or contacts.



You cannot enter text in some languages. To enter text, you should change the writing language to one of the supported languages. ► p. 89

To change the keyboard type:

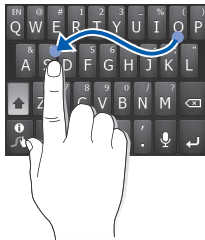
You can change the type of keyboard that is used to enter text. Tap and hold on the text input field, select **Input method**, and select a keyboard type (**Swype** or **Samsung keypad**).

Using the Swype keyboard

To enter text using the Swype keyboard:

1. Select the first character of a word and drag your finger to the second character without releasing the finger from the screen. A line joins the selected characters.
2. Pause on the second character for a moment and then drag your finger to the next character.

3. Continue until you have finished the word.




4. Release the finger on the last character. The word is inserted into the text input field.
5. Repeat steps 1-4 to complete your text.
Tap and hold each key to enter additional characters.


6. You can also use the following keys:



| Number | Function |
|--------|---|
| 1 | Change case. |
| 2 | Switch between Symbol mode and ABC/Number mode. |
| 3 | Insert a space. |
| 4 | Delete characters. |
| 5 | Start a new line. |


| Number | Function |
|--------|---|
| 6 | Enter text by voice. This icon is only available when you activate the voice input feature for the Swype keyboard.  This feature might not be available depending on the selected input language. |



- To hide the Swype keyboard, press [↵].
- To view the Help information about using the Swype keyboard, tap and hold .

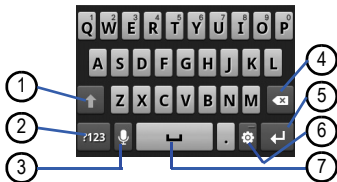
Using the Samsung keypad

To enter text using the Samsung keypad:



- Select  → **Keypad types** and select a text input method.
You can select one of key input methods (QWERTY or traditional keypad) or the handwriting input methods.

- Enter text by selecting alphanumeric keys or by writing on the screen.

You can also use the following keys:



| Number | Function |
|--------|---|
| 1 | Change case. |
| 2 | Switch between Number/Symbol mode and ABC mode. |

| Number | Function |
|--------|---|
| 3 | Enter text by voice. This icon is only available when you activate the voice input feature for the Samsung keypad.  This feature might not be available depending on the selected input language. |
| 4 | Clear your input. |
| 5 | Start a new line. |
| 6 | Access the keypad settings. Change the text input method (tap and hold). |
| 7 | Insert a space. Insert a period (double-tap). Change the input language (scroll left or right).  This feature might not be available depending on the selected input language. |












If you have text input keyboards downloaded from the web, you can change the keypad type. Tap and hold the text input field, select **Input method**, and select a keypad type.

Copy and paste text

While you are entering text, you can use the copy and paste feature to use the same text in other applications.

To copy and paste text:

1. Place the cursor on the text that you want to copy.
2. Select .
3. Select  to select a word or select  to select all of the text.
4. Drag  or  to select the required text.
5. Select  to copy, or  to cut the text onto the clipboard.

- In application, place the cursor where you want to place the text.
- Select  →  to paste the text from the clipboard into the text field.


Android Market

Android Market provides you with an easy way to shop for games and mobile applications. Based on the Android platform, your phone's functionality can be extended by installing additional applications.




- This feature might not be available in your region.
- Your phone will save user files from downloaded applications to the internal memory.

To install applications:

- In Idle mode, select  → **Market**.
- Select **Accept** in the terms and conditions page.

- Select an item category and then select an item.
- Select **Free** or **Buy**.
 - If you select **Free**, select **OK** to download the item immediately.
 - If you select **Buy**, you need to enter your credit card information. Follow the on-screen instructions.

To uninstall applications:

- In the Android Market home screen, [] → **My apps**.
- Select the item that you want to delete.
- Select **Uninstall** → **OK**.

Download Files from the Web

When you download files or web applications from the web, your phone stores them in a memory card.



Files that you download from the web can include viruses that will damage your phone. To lessen your risk, only download from sources that you trust.



Some media files include Digital Rights Management to protect copyrights. This protection might prevent you from downloading, copying, modifying, or transferring some files.

To download files from the web:

1. In Idle mode, select  → **Browser**.

2. Search for a file or application and download it.

To install applications downloaded from websites other than Android Market, you must select **Settings** → **Applications** → **Unknown sources** → **OK**.

To view the download history:

1. In Idle mode, select  → **Browser**.

2. Press [] → **More** → **Downloads**.

3. To delete download history, select the checkbox next to the download(s) that you want to delete then select **Delete**. Select **Clear selection** to clear checkbox selections.

Synchronise Data

You can synchronise data with various web servers and back up or restore your data.

When the synchronisation is complete, your phone stays connected to the web. If any change is made on the web, the updated information will appear on your phone and automatically will begin synchronisation, and vice-versa.



- This feature might not be available in your region.


To set up a server account:

1. In Idle mode, select  → **Settings** → **Accounts and sync**.

2. Select **Add account** and select an account type.
3. Follow the on-screen instructions to complete the account setup.
For online community services, such as Facebook, Twitter, or MySpace, enter your user name and password and select **Log in**.



To activate automatic sync:

If you add or edit data in any of the applications on the web (Google Mail, Calendar, and Contacts), the updated information will appear on your phone, and vice-versa.

1. In Idle mode, select  → **Settings** → **Accounts and sync**.
2. Select **Auto-sync**.
3. Select the applications that you want to synchronise.

To exclude applications from automatic synchronisation, clear the checkbox next to the application that you do not want to synchronise.

To synchronise data manually:

1. In Idle mode, select  → **Settings** → **Accounts and sync**.
2. Select an account.
3. Press [] → **Sync now**. Your phone will start synchronising the data you have selected for synchronisation.



communication

Calls

You can use your phone to make and answer calls, use options during calls, and customize and use call-related features.

Make and answer calls

To make a call:


1. In Idle mode, select  → **Keypad**.
2. Enter an area code and phone number.
3. Select  to make a voice call.




When you hold the phone close to your ear during a call, it automatically turns off and locks the touch screen to prevent accidental inputs.

4. To end the call, select **End call**.



- Use the phonebook to save the numbers that you dial frequently. ► p. 53
- To quickly access the call log to redial numbers that you have dialed recently, select  → **Logs**.

To answer a call:

1. When a call comes in, drag  to the right until it reaches the dot.





When the phone is ringing, press the Volume key to mute the ringtone.

2. To end the call, select **End call**.

To reject a call:


When a call comes in, drag  to the left until it reaches the dot. The caller will hear a busy tone.

To call an international number:

1. In Idle mode, select  → **Keypad**, and tap and hold **0** to insert the + character.
2. Enter the complete number that you want to dial (country code, area code and phone number), and then select  to dial the number.

To call a contact from Contacts:

You can call numbers directly from Contacts using stored contacts. ► p. 53

1. In Idle mode, select  → **Contacts**.
2. Select a contact's name.
3. Select the number that you want to dial.

To use the headset:

By plugging the supplied headset into the phone, you can make and answer calls:

- **Answer a call:** Press the headset button.
- **Reject a call:** Press and hold the headset button.
- **Place a call on hold or retrieve a held call during a call:** Press and hold the headset button.
- **End a call:** Press the headset button.




The supplied headset is only designed to be used with for your phone and might not be compatible with other phones and MP3 players.

Use options during a call

You can use the following options while a call is in progress:

- **Adjust voice volume:** Press the Volume key up or down.
- **Place a call on hold:** Select **Hold**.
- **Retrieve a held call:** Select **Unhold**.
- **Dial a second number:** Select **Add call** and then dial the new number.

- **Answer a second call:** Drag  to the right until it reaches the dot when the call waiting tone sounds. The first call goes on hold. You must subscribe to a call waiting service to use this feature.
- **Open the dialling screen:** Select **Dialpad**.
- **Activate the speakerphone:** Select **Speaker**.



In noisy environments, you might have difficulty hearing some calls while using the speakerphone. For better audio performance, use the normal phone mode.

- **Turn off the microphone:** Select **Mute** so that the caller cannot hear you.
- **Use a Bluetooth headset:** Select **Headset** to use a Bluetooth headset to listen and talk to the caller.
- **Switch between two calls:** Select **Swap**.
- **Make a multiparty call (conference call):** Make or answer a second call and select **Merge calls** when

connected to the second party. Repeat to add more parties. You must subscribe to the multiparty call service to use this feature.

View and dial missed calls

Your phone will display calls you have missed.

To dial the number of a missed call:

1. Open the shortcut panel.
2. Select the missed call.


Use additional features

You can use various other call-related features, such as call forwarding or call waiting.

To set call forwarding for voice calls:


Call forwarding is a network feature that allows you to send incoming calls to another number that you specify. You can

set this feature separately for several conditions when you are not able to answer calls, such as when you are already on the phone or when you are outside the service area.

1. In Idle mode, select  → **Settings** → **Call settings** → **Call forwarding**.
2. Select a condition.
3. Enter a number to which calls will be forwarded and select **Enable**.
Your setting will be sent to the network.



To set call waiting:

Call waiting is a network feature that alerts you of an incoming call when you are on a call.

1. In Idle mode, select  → **Settings** → **Call settings** → **Additional settings** → **Call waiting**.
2. Your setting will be sent to the network.

To view call logs:

You can view logs of your calls and filter them by their types.

1. In Idle mode, select  → **Logs**.
2. Press [] → **View by** and select an option for sorting the call logs.



From the call logs, you can make a call or send a message directly to a contact by quickly flicking the contact to the left or right

3. Select a log to view its details.



From the detail view, you can dial the number, send a message to the number or add the number to the phonebook.


Text and Multimedia Messages

You can create an send text (SMS), multimedia (MMS), or email messages, and view or manage messages that you have sent or received. For instructions on entering text, see ► p. 22.





You might incur additional charges for sending and receiving messages while outside your home service area. For details, contact your service provider.

To send a text message:

1. In Idle mode, select  → **New message**.
2. Select **Contacts**.
You can enter a number manually or select one from a recent recipient or contact group by selecting another button.
3. Select the checkboxes next to the contacts and select **Add**.


4. Select **Tap to compose** and enter your message text.
To insert emoticons, press [☺] → **Insert smiley**.
5. Select **Send** to send the message.

To send a multimedia message:

1. In Idle mode, select  → **New message**.
2. Select **Contacts**.
You can enter a number manually or select one from a recent recipient or contact group by selecting another button.
3. Select the checkboxes next to the required contacts and select **Add**.
When you enter an email address, the phone will convert the message into a multimedia message.
4. Select **Tap to compose** and enter your message text.
To insert emoticons, press [☺] → **Insert smiley**.
5. Press , select an option, and then add an item.

6. Press [☰] → **Add subject** and add a subject for the message.
7. Select **Send** to send the message.

To view text or multimedia messages:

1. In Idle mode, select .
Your messages are grouped into message threads by contact.
2. Select a contact.
3. Select a text or multimedia message in the message thread.

Listen to voicemail messages

If you have set missed calls to be diverted to voicemail, callers can leave a voice message when you do not answer incoming calls.

To access your voicemail inbox and listen to voicemail messages:

1. In Idle mode, select  → **Keypad**, and tap and hold 1.
2. Follow the instructions on the voicemail server.



You must save the voicemail server number before accessing the server. Your service provider can give you the number.





Google Mail™

You can retrieve new email messages from Google Mail™ to your Inbox. When you access this application, the Inbox screen appears. The total number of unread messages displays in the title bar and the unread messages display in bold. If you have labelled a message, its label appears in a coloured rectangle on the message.




This feature might not be available in your region.







To send an email message:

1. In Idle mode, select  → **Gmail**.
2. Press [] → **Compose**.
3. Enter a name or address in the recipient field.
4. Enter a subject and message.
5. To attach an image file, press [] → **Attach** and select a file.
6. Select  to send the message.

To view email messages:

1. In Idle mode, select  → **Gmail**.
2. Select an email message.

In the message view, use the following options:

- **Reply:** Select .
- **Reply to all:** Select  → **Reply all**.
- **Forward:** Select  → **Forward**.
- **Add star to message:** Select  to add a star to a message.
- **Preview:** Select **Preview** next to the attachment item to view the attachment.
- **Download:** Select **Download** to save the attachment to your memory card.
- **Archive:** Select **Archive** to archive the message.
- **Delete:** Select **Delete** to delete the message.
- **Display previous or next message:** Select  or  to move to the previous or next message.

Organize email by labels

You can organize your email by labelling your messages or adding stars to mark important messages. You can then sort messages by label filter.


To add a label to a message:

1. In the Inbox screen, tap and hold a message.
2. Select **Change labels**.
3. Select a label to add and select **OK**.

To add a star to a message:

1. In the Inbox screen, tap and hold a message.
2. Select **Add star**. The star icon next to the message is activated.


To filter messages:


1. In the Inbox screen, press [] → **Go to labels**.
2. Select the label of the messages that you want to view.

Email



You can send or view email messages using your personal or company email account.

To set up an email account:

1. In Idle mode, select  → **Email**.
2. Enter your email address and password.
3. Select **Next** (for general email accounts, such as Google Mail and Yahoo) or **Manual setup** (for other company email accounts).
4. Follow the on-screen instructions.

When you have finished setting up the email account, the email messages are downloaded to your phone. If you have created more than two accounts, you can switch between email accounts. Press [] → **Accounts** and select the one from which you want to retrieve the messages.

To send an email message:

1. In Idle mode, select  → **Email** and then select an email account.
2. Press [] → **Compose**.
3. Select **Contacts**.
You can enter an email address manually or select one from the logs or contact groups by selecting another option.
4. Select the contact(s) and select **Add**.
5. Select the Cc/Bcc field to add more recipients.
6. Select the subject field to enter a subject.
7. Select the text input field to enter your email text.
8. Select **Attach** and attach a file.
You can select a file from the file list or create a new photo, video, or sound.


9. Select **Send** to send the message.



If you are offline or outside your service area, the message will be held in the message thread list until you are online and in your service area.


To view email messages:

When you open an email account, you can view previously retrieved emails offline or connect to the email server to view new messages. After you retrieve email messages, you can view them offline.

1. In Idle mode, select  → **Email** and then select an email account.
2. Press [≡] → **Refresh** to update the message list.
3. Select an email message.

In the message view, use the following options:

- **Reply:** Press [≡] → **Reply** to reply to the message.

- **Forward:** Press [≡] → **Forward** to forward the message to other recipients.
- **Move message to another folder:** Press [≡] → **Move to folder** to move the message to another folder.
- **Load images from message:** Press [≡] → **Show pictures** to load images from the message.
- **View an attachment:** Select the attachment item to view the attachment. To save it to your memory card, select .



Google Talk™

You can send instant messages to your friends or family using Google Talk™.



This feature might not be available depending on your region or service provider.



To add friends to your Friends list:

1. In Idle mode, select  → **Talk**.
The friend list shows all of your Google Talk contacts at a glance.
2. Press [] → **Add friend**.
3. Enter the email address of the friend and select **Send invitation**.

When your friend accepts the invitation, they are added to your friend list.

To start a chat:

1. In Idle mode, select  → **Talk**.
2. Select a friend from the Friends list. The chat screen opens.
3. Enter your message and select **Send**.
To insert emoticons, press [] → **More** → **Insert smiley**.

4. To switch between active chats, press [] → **Switch chats**.
5. To end the chat, press [] → **End chat**.

Social Hub

You can access Social Hub™, the integrated communication application for email, messages, instant messages, contacts, or calendar information. Visit <http://socialhub.samsungmobile.com> for more details.

To access Social Hub:

1. In Idle mode, select  → **Social Hub**.
2. Check and use the contents delivered from the Social Hub.

entertainment

Camera

You can capture and view photos and videos. You can take photos at resolutions of up to 2048 x 1536 pixels (3.2 mega pixels) and videos at resolutions of up to 320 x 240 pixels.


To use the camera, you must first insert a memory card.



- The camera interface only appears in the landscape orientation.
- Tap the screen to hide or display icons in the viewfinder.
- The memory capacity might differ depending on the shooting scene or shooting conditions.

Capturing photos

To capture a photo:

1. In Idle mode, select  → **Camera**.
2. Rotate the phone counter-clockwise to switch to the landscape view.

3. Aim the lens at the subject and make any necessary adjustments.



| Number | Function |
|--------|--|
| 1 | Check the camera status and settings. <ul style="list-style-type: none"> • : Resolution • : Exposure metre type • : Number of photos you can take (according to available memory) • : Storage location |
| 2 | Change the shooting mode. |




| Number | Function |
|--------|-------------------------------|
| 3 | Change the scene mode. |
| 4 | Adjust the brightness. |
| 5 | Change the camera settings. |
| 6 | Switch to the camcorder. |
| 7 | Capture a photo. |
| 8 | View the last captured photo. |

- Press the Volume key to zoom in or out.
 - Select to take a photo. The photo is saved automatically.
- After taking photos, select to view the taken photos.
- **View more photos:** Scroll left or right.
 - **Zoom in or out:** Tap the screen and select or . You can also double tap on the screen to zoom in or out.
 - **Share:** Select **Share** to send a photo to others.

- **Set as:** Select **Set as** to set a photo as wallpaper or a caller ID image for a contact.
- **Delete:** Select **Delete** to delete a photo.




To capture a photo using preset options for various scenes:

Your camera provides you with predefined settings for various scenes. You can select the proper mode for your shooting condition and subjects. For example, when you take photos at night, select the night mode that uses an extended exposure.

1. In Idle mode, select  → **Camera**.
2. Rotate the phone counter-clockwise to switch to the landscape view.
3. Select  and select a scene.
4. Make any necessary adjustments.
5. Select  to take a photo.




To capture a photo in Smile shot mode:

Your camera can recognise people's faces and help you to take photos of their smiling faces.

1. In Idle mode, select  → **Camera**.
2. Rotate the phone counter-clockwise to switch to the landscape view.
3. Select  → **Smile shot**.
4. Make any necessary adjustments.
5. Select .
6. Aim the camera lens at your subject.
Your phone recognizes people in an image and detects their smiles. When the subject smiles, the phone automatically takes a photo.

To capture a series of photos:



You can easily take a series of photos of moving subjects. This is useful when you are photographing a sporting event or children at play.

1. In Idle mode, select  → **Camera**.
2. Rotate the phone counter-clockwise to switch to the landscape view.
3. Select  → **Continuous**.
4. Make any necessary adjustments.
5. Tap and hold . The camera will continue to take photos until you release the key.



To capture a panoramic photo:

You can take wide panoramic photos using Panorama shooting mode. This mode is convenient for photographing landscapes.

1. In Idle mode, select  → **Camera**.



2. Rotate the phone counter-clockwise to switch to the landscape view.
3. Select  → **Panorama**.
4. Make any necessary adjustments.
5. Select  to take the first photo.
6. Slowly move the phone in any direction and align the green frame with the viewfinder.
When you have aligned the green frame and viewfinder, the camera will automatically take the next photo.
7. Repeat Step 6 to complete the panoramic photo

Customise the camera settings


Before taking a photo, select  →  to access the following options:

| Option | Function |
|----------------------|---|
| Focus mode | Take close-up photos or set the camera to focus on the subject. |
| Timer | Select the length of the delay before the camera takes a photo. |
| Resolution | Change the camera's resolution. |
| White balance | Adjust the colour balance according to the lighting conditions. |
| Effects | Apply a special effect, such as sepia or black and white tones. |
| Metering | Select a type of exposure metre. |
| Image quality | Set the quality level for your photos. |

| Option | Function |
|---------------|---|
| Adjust | Adjust the contrast, saturation, and sharpness. |

Before taking a photo, select  →  to access the following settings:


| Setting | Function |
|-------------------|--|
| Guidelines | Display guidelines on the preview screen. |
| Review | Set the camera to display the taken photo. |

| Setting | Function |
|----------------------|---|
| GPS | Set the camera to include location information for your photos.  To improve GPS signals, avoid shooting in locations where the signal might be obstructed. For example, between buildings or in low-lying areas, or in poor weather conditions. |
| Shutter sound | Set the camera shutter to make a sound when capturing a photo. |
| Reset | Reset menus and shooting options. |




Capturing video


To capture a video:


1. In Idle mode, select  → **Camera**.

2. Rotate the phone counter-clockwise to switch to the landscape view.
3. Select  to switch to the camcorder.
4. Aim the lens at the subject and make any necessary adjustments.




| Number | Function |
|--------|---|
| 1 | Check the camcorder status and settings. <ul style="list-style-type: none"> • : Resolution • : Length of video that can be captured (according to available memory). • : Storage location |
| 2 | Change the recording mode (for attaching to a multimedia message or for saving normally). |
| 3 | Adjust the brightness. |
| 4 | Change the camcorder settings. |
| 5 | Switch to the camera. |
| 6 | Record a video. |
| 7 | View the last recorded video. |

- Press the Volume key to zoom in or out.
- Select  to start recording.

- Select  to stop recording.
The video is saved automatically.





The camera might not be able to properly record videos to a memory card with a slow transfer speed.



After capturing videos, select  to view the captured videos.

- **Scroll left or right:** To view more videos.
- **Share:** Select **Share** to send a video to others.
- **Play:** Select **Play** to play a video.
- **Delete:** Select **Delete** to delete a video.

Customise the camcorder settings

Before capturing a video, select  →  to access the following options:

| Option | Function |
|----------------------|--|
| Timer | Select the length of delay before the camera starts recording a video. |
| Resolution | Change the resolution option. |
| White balance | Adjust the colour balance to suit the lighting conditions. |
| Effects | Apply a special effect, such as sepia or black and white tones. |
| Video quality | Set the quality level for your videos. |
| Adjust | Adjust the contrast, saturation, and sharpness. |

Before capturing a video, select  →  to access the following settings:

| Setting | Function |
|------------------------|---|
| Guidelines | Display the guidelines on the preview screen. |
| Audio recording | Turn the audio on or off. |
| Review | Set the camera to display the recorded video. |
| Reset | Reset menus and shooting options. |

Gallery

You can view photos and play videos saved in your phone's memory or on a memory card.

Supported File Formats


Your phone supports the following file formats:



| Type | Format |
|--------------|---|
| Image | Extension: .bmp, .gif, .jpg, .png, .wbmp, and .agif |
| Video | <ul style="list-style-type: none"> • Extension: .3gp, and .mp4 • Codec: MPEG4, H.263, and H.264 |



- Some file formats are not supported depending on the software of the phone.
- If the file size exceeds the available memory, an error can occur when you open files.


To view a photo in Gallery:

1. In Idle mode, select  → **Gallery**.
2. Select a folder.



3. To change the view mode, select  or  at the top right of the screen.

4. Select a photo (without an icon) to view it.

While viewing a photo, use the following options:


- **Scroll left or right:** View more photos.
- **Zoom in or out:** Select  or . You can also tap the screen with two fingers and then spread them apart to zoom in (move your fingers closer together to zoom out).
- **Slideshow:** Select **Slideshow** to start a slideshow of the images in the selected folder. Tap the screen to stop the slideshow.

To play a video in Gallery:

1. In Idle mode, select  → **Gallery**.
2. Select a video (with the  icon) to play.
3. Rotate the phone counter-clockwise to switch to the landscape view.

4. Control the playback with the virtual keys.

To share images or videos in Gallery:

1. In Idle mode, select  → **Gallery**.
2. Select a folder.
3. Touch and hold image or video file → **Share** and select a sharing option.

Music

You can listen to music using the music player. The music player supports the following file formats: .mp3, .ogg, and .aac.

To use the music player, you must first insert a memory card.



- You can also play music files in the following formats if you open them from **My files**, multimedia messages, or on the web browser: .mid, .rtttl, .imy, .rtx, .ota, .amr, and .wav.
- Some file formats are not supported depending on the software of the phone.
- If the file size exceeds the available memory, an error can occur when you open files.


To add music files to your phone:

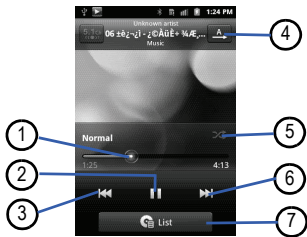
Start by transferring files to your phone or memory card:

- Download from the web. ► p. 26
- Download from a PC with the optional Samsung Kies. ► p. 74
- Receive using Bluetooth. ► p. 68

To play music files:

After transferring music files to your phone or memory card, you can play music.

1. In Idle mode, select  → **Music**.
2. Select a music category and then select a music file.
3. Control playback with the following icons:






| Number | Function |
|--------|---|
| 1 | Move to a point of the file by dragging the bar. |
| 2 | Pause playback. Select ► to resume playback. |
| 3 | Skip backwards. Scan backward in a file (tap and hold). |
| 4 | Change the repeat mode (Off , Repeat current song , or Repeating all songs). |
| 5 | Activate Shuffle mode. |
| 6 | Skip forward. Scan forward in a file (tap and hold). |
| 7 | Open the playlist. |



- Function numbers 1 and 5 are displayed when you touch the screen.
- You can control playback with a headset. Press the headset button to play or pause playback. You can also press and hold the headset button to launch the music player.
- SRS CS Headphone™ delivers a 5.1 surround sound experience over standard headphones or earbuds when listening to multichannel content, such as DVD movies.
- WOW HD™ significantly improves the playback quality of audio, delivering a dynamic 3D entertainment experience with deep, rich bass and high frequency clarity for crisp detail.




To create a playlist:

1. In Idle mode, select  → **Music**.
2. Select a category and then select a music file.



3. Press [] → **Add to playlist** → **New**.
4. Enter a title for the new playlist and select **Save**.
5. To add more music files to the playlist, play a file, press [] → **Add to playlist**, and select the new playlist.

To use the party shuffle feature:

When you turn on the party shuffle feature, your phone selects and plays music files randomly.

1. In Idle mode, select  → **Music**.
2. Press [] → **Party shuffle**.
3. To turn off the party shuffle feature, press [] → **Party shuffle off**.

To customize the music player settings:

1. In Idle mode, select  → **Music**.
2. Select a category and then select a music file.
3. Press [] → **Settings**.

4. Adjust the following settings to customise your music player:



| Option | Function |
|--------------------|---|
| 5.1 channel | Set whether or not to activate the virtual 5.1 channel surround sound system when a headset is connected. |
| Equaliser | Select a default equaliser type. |

personal information

Contacts


You can use contact cards and groups to store personal information in the phone's memory or on a SIM card. You can save names, mobile phone numbers, home phone numbers, email addresses, birthdays and more for your contacts.

To create a contact from the contact list:


1. In Idle mode, select .
2. Select .
3. Select a memory location.
If you have more than one account, select the account to which you want to add the contact.
4. Enter the contact information.
5. Select **Save** to add the contact card to memory.

To create a contact from the dialling screen:

1. In Idle mode, select  → **Keypad**.


2. Enter a phone number.
3. Select **Add to Contacts** → .
4. Select a memory location.
If you have more than one account, select the account to which you want to add the contact.
5. Enter the contact information.
6. Select **Save** to add the contact to memory.

To find a contact:



1. In Idle mode, select .
2. Scroll up or down in the contact list.
3. Select a contact's name.

Once you have found a contact, you can:

- **Call the contact:** Select a phone number.
- **Send a message:** Select **Message** to send a message to the contact.
- **Send an email message:** Select an email address.

- **Edit the contact information:** Press [] → **Edit** to edit the contact information.



To set a speed dial number:

1. In Idle mode, select .
2. Press [] → **More** → **Speed dial**.
3. Select a location number and then select a contact.



You can quickly dial this number by tapping and holding the location number in the dialing screen.

To create your namecard:


1. In Idle mode, select .
2. Press [] → **My profile**.
3. Enter your details.
4. Select **Save**.



You can send your namecard by attaching it to a message or email or by transferring it using Bluetooth.

To retrieve contacts from your community accounts:

You can view the list of community website accounts and select an account to add a contact from the website to your phone contacts.

1. In Idle mode, select .
2. Press [≡] → **Get friends**.
3. Select an account.


To create a group of contacts:

By creating groups of contacts, you can manage multiple contacts and send messages or email to an entire group. Start by creating a group.


1. In Idle mode, select  → **Groups**.

2. Press [≡] → **Create**.
3. Enter a name and select a ringtone for the group.
4. Select **Save**.

To copy contacts from the SIM card to the phone:

1. In Idle mode, select .
2. Press [≡] → **Import/Export** → **Import from SIM card**.
3. Select the contacts that you want to copy and select **Import**.



To copy contacts from the phone to the SIM card:

1. In Idle mode, select .
2. Press [≡] → **Import/Export** → **Export to SIM card**.
3. Select the contacts that you want to copy and select **Export** → **Yes**.

To import contacts from a memory card to your phone:


1. In Idle mode, select .
2. Press [] → **Import/Export** → **Import from SD card**.
3. Select a memory location.
If you have more than one account, select an account to which you want to add the contact.
4. Select an option for importing a single contact file, multiple contact files, or all contact files, and select **OK**.

To export contacts from your phone to a memory card:

1. In Idle mode, select .
2. Press [] → **Import/Export** → **Export to SD card**.
3. Select **Yes** to confirm.


To view the communication log:

You can view the communication log of calls, messages, email or SNS threads.

1. In Idle mode, select  → **History**.
2. Select the item that you want to view.

To view social network activities:



You can view the recent activities of contacts in social network services, such as Facebook, MySpace, and Twitter.

1. In Idle mode, select  → **Activities**.
2. Select the item that you want to view.

Calendar



You can create and manage daily, weekly, or monthly events, and set alarms to remind yourself of important events.

To create an event:



1. In Idle mode, select  → **Calendar**.
2. Press [] → **More** → **Create**.

3. Enter the details of the event as required.
4. Select **Done**.

To change the calendar view:

1. In Idle mode, select  → **Calendar**.
2. Press [] and select **Day**, **Week**, or **Month**.

To view events of a specific date:

1. In Idle mode, select  → **Calendar**.
2. Select a date on the calendar. In the month view, days with scheduled events are indicated by a blue bar.
To select today's date, press [] → **Today**.
3. Select an event to view its details.

To stop an event alarm:

If you set an alarm for a calendar event, the event alarm icon will appear at the specified time.




1. Open the shortcuts panel at the top of the screen.

2. Select a reminder to view more details about the event.
3. To snooze or dismiss the reminder, select **Snooze all** or **Dismiss all**.

Memo

You can record important information to save and view later.

To create a memo:

1. In Idle mode, select  → **Memo**.
2. Select **Create memo** or press [] → **Create**.
3. Enter your memo text.
4. Press [] to hide the keypad.
5. Select a colour to change the background colour.
6. Select **Save**.

To view memos:

1. In Idle mode, select  → **Memo**.

2. Select a memo to view its details.




You can send the memo to others by tapping and holding the memo and selecting an option.


Voice Recorder

You can record memos with your phone's voice recorder and then set the voice memos as call or alarm ringtones.


To record a voice memo:

1. In Idle mode, select  → **Voice recorder**.
2. Select **Record** to start recording.
3. Speak into the microphone.
4. When you have finished recording the memo, select **Stop**. Your memo is saved automatically.
5. To record more voice memos, select **Record** at the bottom of the screen.

To play a voice memo:

1. In Idle mode, select  → **Voice recorder**.
2. Select **List**.
3. Select the voice memo that you want to play.



You can send the voice memo to others by pressing  → **Share**.

web



Internet


You can access and bookmark your favourite web pages.









- You might incur additional charges for accessing the web and downloading media. For details, contact your service provider.
- Available icons can vary depending on your region.






To browse web pages:

1. In Idle mode, select  → **Browser**. The preset homepage opens.
To access a specific web page, select the URL input field, enter the web address (URL) of the web page, and select .
2. Navigate web pages by entering the web address of the web page that you want to access.




You can also select  to open a list of saved bookmarks, frequently visited pages, and recent internet history.

While browsing web pages, you can use the following options:

- **Zoom in or out:** Double-tap the screen. You can also use the two finger zoom. Place two fingers on the screen and slowly pinch or spread them apart to zoom in or out.
-  → **New window:** Open a new window.
-  → **Windows:** View the currently active windows. You can open multiple pages and switch back and forth between them.
-  → **Refresh:** Reload the current web page.
-  → **Forward:** Go to the next page in history.
-  → **Add bookmark:** Bookmark the current web page.
-  → **More** → **Add shortcut to Home:** Add a shortcut to the current web page to the Idle screen.

-  → **More** → **Find on page:** To search for text on the web page.
-  → **More** → **Page info:** View the web page details.
-  → **More** → **Share page:** Send the web address (URL) of the web page to others.
-  → **More** → **Downloads:** View the download history.
-  → **More** → **Settings:** Customise the browser settings.

To bookmark your favourite web pages:



1. In Idle mode, select  → **Browser**.
2. Select  → **Bookmarks**.
3. Select **Add** or press  → **Bookmark last-viewed page**.
4. Enter a page title and a web address (URL).

5. Select **OK**.

In the bookmark list, tap and hold a bookmark and use the following options:

- **Open:** Opens the web page in the current window.
- **Open in new window:** Open the web page in a new window.
- **Edit bookmark:** Edit the bookmark details.
- **Add shortcut to Home:** Add the bookmark shortcut to the Idle screen.
- **Share link:** Send the web address (URL) of the web page to others.
- **Copy link URL:** Copy the web address (URL) of the web page.
- **Delete bookmark:** Delete the bookmark.
- **Set as homepage:** Use the web page as the homepage in the browser.

To access frequently visited pages or the recent history:

1. In Idle mode, select  → **Browser**.
2. Select  and then select **Most visited** or **History**.
3. Select the web page that you want to access.



You can add a web page to the bookmark list by selecting the star icon on the right side of the screen.

Google Maps™

You can use Google Maps to find your location, search the online map for streets, cities, or countries, and get directions.



- This feature might not be available in your region.


To receive better GPS signals, avoid using your phone in the following conditions:

- Between buildings, in tunnels or underground passages, or inside buildings.
- In poor weather.
- Around high voltage or electromagnetic fields.










Do not touch the internal antenna area or cover this area with your hands or other objects while using the GPS functions.




To activate location services to use with Google Maps:

1. In Idle mode, select  → **Settings** → **Location & security**.
2. Adjust the following settings to activate location services:


| Option | Function |
|-----------------------|---|
| Use wireless networks | Set to use WLAN and/or mobile networks for finding your location. |
| Use GPS satellites | Set to use the GPS satellite for finding your location. |

To search for a specific location:




1. In Idle mode, select  → **Maps**. The map will display your current location.
2. If you are launching this application for the first time, select **OK** to confirm.
3. Press [] → **Search** or select .
4. Enter a keyword for the location and select  :
 - **Search by voice:** Select  to search for the location by voice.
 - **Zoom in or out:** Select  or  to zoom in or out.




- **Add places:** Select  to locate a business or person, find out more information about a business, see coupons, public responses, etc.
- **Add layers:** Select  to add layers to the map.
- **View current location:** Select  to view your current location.



To add a star to the location, select the balloon of the location name → .

To get directions to a specific destination:

1. In Idle mode, select  → **Maps**.
2. Press [] → **Directions**.
3. Enter the addresses of the starting location and the ending location.
To enter an address from your contact list or to point to a location on the map, select  → **Contacts** or **Point on map**.

4. Select a travel method (car, bus, or walk) and select **Go**.
5. Select a travel route to view the details of your trip (if necessary).
6. Press [] → **See map** or .
7. When you are finished, press [] → **Clear Map**.


Google Latitude

You can share your location with your friends and view your friend's locations using Google Latitude™.

To share your location using Google Latitude™:

1. In Idle mode, select  → **Latitude**. The phone automatically joins Latitude.
2. Press [] → **Add friends** → **Select from Contacts** or **Add via email address**.
3. Select the friends that you want to add or enter an email address and select **Add friends** → **Yes**.

When your friend accepts your invitation, you can share locations.



4. Press [] → **See map**.
Your friends' locations are marked with their photos on the map.

Place

To search for a place around you:




This feature might not be available in your region.

1. In Idle mode, select  → **Places**.
2. Select a category. Your phone searches for places around your current location that are related to the category.
3. Select a place name to view its details. To view a place on the map, select .

Google Search


You can search for applications on your phone and specific data on the web.

1. In Idle mode, select  → **Google Search**.
2. Enter a keyword.
3. Select the name of the item that you want to access.

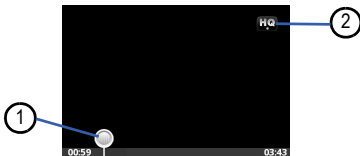
YouTube™

YouTube is a free online video streaming service. You can view and share videos using YouTube.

To watch videos on YouTube:

1. In Idle mode, select  → **YouTube**.
2. If you are launching this application for the first time, select **Accept** to confirm.
3. Select a video from the list.


4. Rotate the phone counter-clockwise to switch to the landscape view.
5. Control playback using the following keys:






| Number | Function |
|--------|--|
| 1 | Move to a point of the file by dragging the bar. |
| 2 | Change the quality of the display. |

To upload videos to YouTube:

1. In Idle mode, select  → **YouTube**.

2. Press [] → **Upload** and select a video. Skip to Step 8.


If you want to upload new videos, select  to turn on the camcorder.

3. Rotate the phone counter-clockwise to switch to the landscape view.
4. Aim the lens at the subject and make any adjustments.
5. Select  to start recording.
6. Select  to stop recording.
7. Select **Save** to upload the video that you have recorded.
8. If necessary, enter your user name and password and select **Sign in**.


News & Weather

You can get current weather information and read top news and other news articles.

To get weather information:

1. In Idle mode, select  → **News & Weather**.
2. Select **Weather** at the top of the screen.
Your phone searches for your current location and displays the weather information.




You can change the location to view the weather information in another region. Press  → **Settings** → **Weather settings** and clear the check box next to **Use my location**. Then select a location in **Set location**.

To read news articles:

1. In Idle mode, select  → **News & Weather**.
2. Select a news topic at the top of the screen.

3. Select an article to open.




To add news topics, press [] → **Settings** → **News settings** → **Select news topics**.

Samsung Apps

Samsung Apps allows you to easily download an abundance of useful applications to your phone and to keep them updated. Featuring a wealth of games, news, reference, social networking, widgets, health related applications, and more, Samsung Apps gives you instant access to a huge selection of mobile experiences.

Your phone can use the fully optimized applications from Samsung Apps, which can be automatically updated.

1. To launch Samsung Apps, in Idle mode, select  → **Samsung Apps**.

2. Search for and download applications as required.



- This feature might not be available in your region.
- For details, please visit www.samsungapps.com.

Market

You can download games, ringtones, or other applications from the Android Market.



This feature might not be available in your region.

1. In Idle mode, select  → **Market**.
2. Search for a file and download it to the phone. ► p. 26

connectivity

Bluetooth

Bluetooth is a short-range wireless communications technology capable of exchanging information over a distance of about 10 metres without requiring a physical connection.


You do not need to line up the phones to beam information with Bluetooth. If the phones are within range of one another, you can exchange information between them even if they are located in different rooms.




- Samsung is not responsible for the loss, interception, or misuse of data sent or received using the Bluetooth wireless feature.
- Always ensure that you share and receive data with phones that are trusted and properly secured. If there are obstacles between the phones, the operating distance might be reduced.

- Some phones, especially those that are not tested or approved by Bluetooth SIG, might not be compatible with your phone.

To turn on the Bluetooth wireless feature:

1. In Idle mode, select  → **Settings** → **Wireless and networks** → **Bluetooth settings**. The preset homepage opens.
2. Select **Bluetooth** to turn on the Bluetooth wireless feature.

To find and pair with other Bluetooth-enabled phones:

1. In Idle mode, select  → **Settings** → **Wireless and networks** → **Bluetooth settings** → **Scan devices**.
2. Select a device.
3. Enter a PIN for the Bluetooth wireless feature or the other phone's Bluetooth PIN, if it has one, and select


OK. Alternatively, select **Accept** to match the PIN between your phone and the phone.

When the owner of the other phone enters the same PIN or accepts the connection, pairing is complete. If the pairing is successful, the phone will automatically search for available services.




Some phones, especially headsets or hands-free car kits, might have a fixed Bluetooth PIN, such as 0000. If the other phone has a PIN, you must enter it.

To send data using the Bluetooth wireless feature:

1. Select a file or item, such as a contact, memo, or media file, from an appropriate application or from **My files**.
2. Press [] → **Share**, **Send via**, or **Send namecard via** → **Bluetooth**.
3. Search for and pair with a Bluetooth-enabled phone.

To receive data using the Bluetooth wireless feature:

1. In Idle mode, select  → **Settings** → **Wireless and networks** → **Bluetooth settings** → **Discoverable**.
Your phone is visible to other Bluetooth phones for 120 seconds.
2. When prompted, enter the PIN for the Bluetooth wireless feature and select **OK** (if necessary).
3. Select **Accept** to confirm that you are willing to receive data from the phone (if necessary).

Received data is saved to the bluetooth folder.

Wi-Fi

You can use your phone's wireless networking capabilities to activate and connect to any wireless local area network (WLAN) compatible with the IEEE 802.11 b/g/n standards.

You can connect to the internet or other network phones anywhere an access point or wireless hotspot is available.



Your phone uses non-harmonised frequency and therefore some countries might restrict the use of a WLAN.


To activate the WLAN feature:

1. In Idle mode, select  → **Settings** → **Wireless and networks** → **Wi-Fi settings** → **Wi-Fi**.




An active WLAN running in the background will consume battery power. To preserve battery power, only activate the WLAN when needed.

To find and connect to a WLAN:

- In Idle mode, select  → **Settings** → **Wireless and networks** → **Wi-Fi settings**. The phone will automatically search for available WLANs.

2. Select a network under **Wi-Fi networks**.
3. Enter a password for the network (if necessary).
4. Select **Connect**.

To add a WLAN manually:

1. In Idle mode, select  → **Settings** → **Wireless and networks** → **Wi-Fi settings** → **Add Wi-Fi network**.
2. Enter the SSID for the network and select the security type.
3. Set the security settings depending on the selected security type.
4. Select **Save**.

AllShare

You can use the Digital Living Network Alliance (DLNA) service to share media files between DLNA-enabled phones in your home over a WLAN.


You must first activate the WLAN feature and add a WLAN profile. ► p. 70

To customise DLNA settings for sharing media files:

To allow other DLNA-enabled phones to access media files on your phone, you must activate media sharing.




Some files may not play on the DLNA-enabled phones depending on the phones.

1. In Idle mode, select  → **AllShare**.
2. Select **Settings**.
3. Adjust the following settings to customise the DLNA feature:

| Option | Function |
|--------------------------|--|
| Media server name | Enter a name for your phone as a media server. |

| Option | Function |
|----------------------------------|---|
| Share media | Turn on video sharing, image sharing or music sharing with other DLNA-enabled phones. |
| Access point network | Select a WLAN AP to use for DLNA connections. |
| Upload from other devices | Set whether or not to accept the upload from other devices. |

To play your files on another DLNA-enabled device:


1. In Idle mode, select  → **AllShare**.
2. Select **Play file from my phone on another player**.
3. Select a media category and then select a file.
4. Select **Add to playlist**.
5. Select a player (the one that will play the media file). Playback begins on the selected player.

6. Control playback using the icons on your phone.



Playback might be buffered, depending on the network connection and the connected server.

To play files from another device on your phone:


1. In Idle mode, select  → **AllShare**.
2. Select **Play file from server on another player via my phone**.
Your phone automatically searches for DLNA-enabled phones.
3. Select a phone as the media server (the one that contains media files).
4. Select a media category and select the files that you want to play.
5. Select **Add to playlist**.
6. Select a player (the one that will play the media file).

7. Control the playback using the icons on your phone.

USB Tethering and Portable Hotspot

You can use your phone as a wireless modem or wireless access point for PCs or other devices and share your phone's mobile network connection.

To share your phone's mobile network via USB:


1. Using a PC data cable, connect the multifunction jack on your phone to a PC.
2. In Idle mode, select  → **Settings** → **Wireless and networks** → **Tethering & portable hotspot**.
3. Select **USB tethering** to activate the USB tethering feature.

Your phone shares the mobile network connection on your PC. To stop sharing the network connection, clear the check box next to **USB tethering**.



The sharing method for the network connection might differ depending on the PC's operating system.

To share your phone's mobile network via WLAN:

1. In Idle mode, select  → **Settings** → **Wireless and networks** → **Tethering & portable hotspot**.
2. Select **Mobile AP** to activate the WLAN hotspot.
3. Select **Mobile AP settings** → **Configure mobile AP** and set the name and security as needed.
4. Your phone searches for and connects to a WLAN.
5. From another device, locate your phone's name in the available connection list and connect to the network. Your phone shares the mobile network connection on another device.

PC Connections

You can connect your phone to a PC with an optional PC data cable in various USB connection modes. By connecting the phone to a PC, you can transfer data to and from your phone directly and use the Samsung Kies program.

To connect with Samsung Kies:

Ensure that Samsung Kies is installed on your PC. You can download the program from the Samsung website (www.samsungmobile.com).

1. Using a PC data cable, connect the multifunction jack on your phone to a PC.
Samsung Kies will launch automatically.
If Samsung Kies does not automatically launch, double-click on the Samsung Kies icon on your PC.
2. Copy files from the PC to your phone.
Refer to the Samsung Kies help for more information.

To connect your phone as a mass storage device:

You can connect your phone to a PC as a removable disk and access its file directory. If you insert a memory card into the phone, you can also access the file directory of the memory card by using the phone as a memory card reader.



The file directory of the memory card will appear as a removable disk, separate from the internal memory.

1. If you want to transfer files to or from a memory card, insert a memory card into the phone.
2. Using a PC data cable, connect the multifunction jack on your phone to a PC.
3. Open the shortcut panel.
4. Select **USB connected** → **Connect storage to PC** → **OK**.
5. Open the folder to view the files.
6. Copy files from the PC to the memory card.

7. When you are finished, select **Disconnect storage from PC**.



To disconnect the phone from the PC, click the USB phone icon in the Windows task bar and select the option to safely remove the mass storage phone. Then remove the PC data cable from the PC. Otherwise, you might lose data stored on the memory card or damage the memory card.


VPN Connections

You can create virtual private networks (VPN) and connect to your private network securely through a private network, such as the internet.



Your phone should already be configured with internet access. If you have trouble accessing the internet, you need to edit connections. If you are not sure about what connection information to enter, ask your service provider.

To set up VPN connections:

1. In Idle mode, select  → **Settings** → **Wireless and networks** → **VPN settings** → **Add VPN**.
2. Select a VPN type.
3. Customise the connection information.




Available options might vary depending on the VPN type.

| Option | Function |
|-----------------|-----------------------------------|
| VPN name | Enter the name of the VPN server. |

| Option | Function |
|---------------------------------|---|
| Set VPN server | Enter the IP address of the VPN server. |
| Enable Encryption | Set to encrypt the VPN server. |
| Set IPsec pre-shared key | Enter a pre-shared key. |
| Enable L2TP secret | Set to use the L2TP secret password. |
| Set L2TP secret | Enter the L2TP secret password. |
| Set user certificate | Select the user certificate that the VPN server uses to identify you. You can import certificates from the VPN server or download from the web. |

| Option | Function |
|---------------------------|--|
| Set CA certificate | Select the certificate authority (CA) certificate that the VPN uses to identify you. You can import certificates from the VPN server or download from the web. |
| DNS search domains | Enter the domain name server (DNS) address. |






To connect to a private network:

1. In Idle mode, select  → **Settings** → **Wireless and networks** → **VPN settings**.
2. Select a private network to connect.
3. Enter the user name and password and select **Connect**.



Clock

You can set and control alarms for important events. You can also launch the music player and access the gallery.

To use the clock display:

1. In Idle mode, select  → **Clock**.
2. While using the clock display, use the following features:
 - To create or delete an alarm, select .
 - To access the Gallery, select .
 - To launch the music player, select .
 - To return to the Idle screen, select .

To set a new alarm:



1. In Idle mode, select  → **Clock**.
2. Press [] → **Add alarm**.
3. Set the alarm details.
4. When you are finished, select **Done**.

To stop an alarm:

When an alarm sounds:

- Select **Dismiss** to stop the alarm.
- Select **Snooze** to repeat the alarm after a specified length of time.


To delete an alarm:

1. In Idle mode, select  → **Clock** → .
2. Select the alarm that you want to delete.
3. Select **Delete**.
4. Select **OK**.

Calculator


You can perform mathematical operations directly on your phone, similar to using a hand-held or desktop calculator.


1. In Idle mode, select  → **Calculator**.

2. Use the keys that correspond to the calculator display to perform the basic mathematical operations.
3. Press [] → **Advanced panel** to use the scientific calculator.

My Files

You can quickly and easily access the images, videos, music, sound clips, and other types of files stored on your phone and on a memory card.

1. In Idle mode, select  → **My files**.
2. Select a folder.
 - To move up one level in the file directory, select **Up**.
 - To return to the Home directory, select **Home**.
3. Select a file to open.

In a folder, press [] to use the following options:

- **Share:** Select to send a file to others via multimedia message, email, or the Bluetooth wireless feature.
- **Create folder:** Select to create a new folder.
- **Delete:** Select to delete files or folders.
- **View by:** Select to change the view mode.
- **List by:** Select to sort files or folders.
- **More:** Select to use additional features when using a file, such as **Move**, **Copy**, **Rename**, **Bluetooth visibility**, and **Settings**.


SIM Services

You can use a variety of additional services offered by your service provider. Depending on your SIM card, this menu might be available but labelled differently.

- In Idle mode, select  → **SIM Services**.

Task Manager



You can use the task manager to view any currently running applications, the package size of the applications, memory information, and to monitor the RAM memory.



1. In Idle mode, select  → **Task manager**.
2. Use the following options:
 - **Active applications:** View the list of all of the applications that are currently running on your phone.
 - **Package:** View the package size of the applications that are installed on your phone.
 - **RAM:** Check and manage the RAM memory for your phone.
 - **Summary:** View the used and available memory on your phone and memory card.
 - **Help:** View help information about extending the battery life.

ThinkFree Office




You can create and view document files on your phone. If you have an account with the ThinkFree web service, you can manage documents online. This application supports the following file formats: .txt, .doc, .docx, .xls, .xlsx, .ppt, .pptx, and .pdf.

To create a new document:


1. In Idle mode, select  → **ThinkFree Office**.
2. If you are launching this application for the first time, select **Accept** to confirm.
3. Select **Activate now** → **Close** to activate ThinkFree Office.
4. Select **My Docs**.
5. Press [] → **New** and select a document type.
6. Enter a name for the document and select **OK**.

7. Enter contents in the document using the tools at the bottom of the screen.
8. When you have finished editing, select  in the toolbar or press [] → **File** → **Save**.

To view and edit a document on your phone:

1. In Idle mode, select  → **ThinkFree Office**.
2. Select **My Docs** and then select a document.
3. View and edit the document.
 - To zoom in or out, place two fingers on the screen and slowly pinch them or spread them apart.
 - To open the toolbar to edit the document (word, text, or excel file), press [] → **Edit**.
 - To search for text in the document, press [] → **Find**.
4. When you have finished editing, save the document.

To manage documents online:

1. In Idle mode, select  → **ThinkFree Office**.
2. Select **Online**.
3. Enter your user name and password to access your account and then select **Sign in**.
4. View and manage your documents on the server.

Voice Search

You can use the voice command feature to dial a number, send a message, or search for locations and information by voice.



- This feature might not be available in your region.
- Recognised languages might vary depending on your region.

1. In Idle mode, select  → **Voice Search**.

2. Select **Speak now**.
3. Say a keyword into the microphone.

settings

Settings

To access the Settings menu:

1. In Idle mode, select  → **Settings**.
2. Select a setting category and then select an option.

Wireless and Networks

Change the settings for wireless network connections.

Flight mode

Disable all wireless functions on your phone. You can only use non-network services.

Wi-Fi settings

- **Wi-Fi:** Turn the WLAN feature on or off. ► p. 70
- **Network notification:** Set the phone to notify you when an open network is available.

- **Add Wi-Fi network:** Add WLAN APs manually.

Bluetooth settings

- **Bluetooth:** Turn the Bluetooth wireless feature on or off.
▶ p. 68
- **Device name:** Set a Bluetooth name for your phone.
- **Discoverable:** Set your phone to be visible to other Bluetooth phones.
- **Scan devices:** Search for available Bluetooth devices.

Tethering and portable hotspot

- **USB tethering:** Activate the USB tethering feature to share your phone's mobile network connection with PCs via USB. When connected to a PC, your phone is used as a wireless modem for a PC. ▶ p. 73
- **Mobile AP:** Activate the Portable WLAN hotspot feature to share your phone's mobile network connection with PCs or other devices through the WLAN feature.

- **Mobile AP settings:** Configure network settings for your WLAN hotspot.

VPN settings

Set up and manage Virtual Private Networks (VPNs). ▶ p. 75

Mobile networks

- **Use packet data:** Set the phone to allow packet switched data networks for network services.
- **Data roaming:** Set the phone to connect to another network when you are roaming or when your home network is not available.
- **Access Point Names:** Set up access point names (APNs).
- **Network operators:** Search for available networks and select a network for roaming.

Call Settings

Customize the settings for calling features.

Voicemail

- **Voicemail service:** Select your service provider or set another provider to receive voicemails.
- **Voicemail number:** Enter the number to access the voicemail service. You can obtain this number from your service provider.

Other call settings

- **Call forwarding:** Divert incoming calls to another number.
- **Additional settings:**
 - Use **Caller ID** to display your caller ID to other parties for outgoing calls.
 - Use **Call waiting** to specify options for handling an incoming call when you are already on a call.

- **Turn on proximity sensor:** Set the phone to detect when your face is close to the touch screen. When turned on, it will turn off the touch screen during a call.

Sound

Change the settings for various sounds on your phone.

- **Silent mode:** Activate silent mode to mute all sounds, except for media sounds and alarm ringtones.
- **Vibrate:** Set the phone to vibrate to alert you to incoming calls and events.
- **Volume:** Set the volume level for call ringtones, music and videos, alarm ringtones, system sounds, and notification ringtones.
- **Phone ringtone:** Select a ringtone to alert you to incoming calls.

- **Notification ringtone:** Select a ringtone to alert you to events, such as incoming messages and missed calls.
- **Audible touch tones:** Set the phone to sound when you touch the keys on the dialling screen.
- **Audible selection:** Set the phone to sound when you select an application or option on the touch screen.
- **Screen lock sounds:** Set the device to sound when you lock or unlock the screen.
- **Font style:** Change the font type for the display text. You can download fonts from Android Market by selecting **Get fonts online**.
- **Brightness:** Set the brightness of the display.
- **Auto-rotate screen:** Set whether or not to rotate the content automatically when the phone is rotated.
- **Animation:** Set the phone to display animation when you switch between windows.
- **Screen timeout:** Set the length of time that the phone waits before turning off the display's backlight.
- **Horizontal calibration:** Calibrate the geomagnetic sensor when the compass or augment reality application shows incorrect information.

Display

Change the settings for your phone's display.

- **Wallpapers:**
 - **Home screen wallpaper:** Select a background image for the Idle screen.
 - **Lock screen wallpaper:** Select a background image for the screen lock.

Location and Security

Change the settings for securing your phone, and the SIM card, and GPS functionality.

- **Use wireless networks:** Set the phone to use WLAN and/or mobile networks for finding your location.
- **Use GPS satellites:** Set to use the GPS satellite for finding your location.
- **Set up screen lock:** Set an unlock security code. When you have set your security code, this option changes to **Change screen lock**.
 - **None:** Disable the screen lock.
 - **Pattern:** Set an unlock pattern to unlock the screen.
 - **PIN:** Set a PIN (numeric) to unlock the screen.
 - **Password:** Set a password (alphanumeric) to unlock the screen.
- **Use visible pattern:** Set the unlock pattern to be visible or invisible as you draw it.
- **Use tactile feedback:** Set the phone to vibrate when you touch and draw the unlock pattern.
- **Set up SIM card lock:**
 - **Lock SIM card:** Lock your SIM card by activating the PIN requirement. You need to enter the PIN supplied with your SIM card.
 - **Change SIM PIN:** Change the PIN used to access your SIM card.
- **Visible passwords:** Set the phone to display your password as you enter.
- **Select device administrators:** View the device administrators that are installed on your phone. You can activate the device administrators to apply new policies to your phone.
- **Use secure credentials:** Use certificates and credentials to ensure secure use of various applications.
- **Install from SD card:** Install encrypted certificates that are stored on a memory card.

- **Set password:** Create and confirm a password for accessing credentials.
- **Clear storage:** Erase the credential contents from the phone and reset the password.

Applications

Change the setting for managing installed applications.

- **Unknown sources:** Select to download applications from any source. If you do not select this option, you can only download applications from the Android Market.
- **Manage applications:** Access the list of the applications installed on the phone and check the application information.
- **Running services:** View the services that you are using and access them to manage them.
- **Memory usage:** View the available memory and the memory used by applications on your phone.

- **Battery usage:** View the amount of power consumed by your phone.
- **Development:**
 - **USB debugging:** This is for application development. When your phone is connected to a PC with a PC data cable, the USB debugging mode will be activated and Samsung Kies will launch automatically.
 - **Stay awake:** Set the phone's screen to stay on while charging the battery.
 - **Allow mock locations:** Allow mock locations and service information to be sent to a Location Manager service for testing. This is for application development.
- **Samsung Apps:** Select a network connection (WLAN or packet switched data network) to get application update notification from Samsung Apps.

Accounts and Sync

Change the settings for the auto sync feature or manage accounts for synchronisation.

- **Background data:** Select this setting to use the auto sync feature. The auto sync will run in the background without opening applications and will synchronise data.
- **Auto-sync:** Set the phone to automatically synchronise contact, calendar, and email data.

Privacy

Change the settings for managing your settings and data.

- **Back up my data:** Back up your phone's settings to the Google server.
- **Automatic restore:** Set the phone to restore the application's data if you backed it up when it was installed on your phone.

- **Factory data reset:** Reset your settings to the factory default values.

SD Card & Phone Storage

Check memory information of memory cards and your phone and format the external or internal memory.

- **Total space:** View the total amount of memory on the SD card.
- **Available space:** View the amount of available memory for the external or internal memory.
- **Unmount SD card:** Unmount the external or internal memory before formatting.
- **Format SD card:** Format the external or internal memory.
- **Internal phone storage:** View the total amount of memory for the phone.

Locale and Text

Change the settings for text input.

Select language

Select a display language for all menus and applications, and a writing language for all text editors.

Select input method

Select a default keyboard type for text input.

Swype

- **Language:** Select a language for text input.



You cannot enter text in some languages. To enter text, you should change the writing language to one of the supported languages.

- **Word Prediction:** Set the phone to predict words according to your input and to display word suggestions.
- **Audio Feedback:** Turn on or off audio for the Swype keyboard.
- **Enable Tip Indicator:** Activate the indicator for quick help.
- **Auto-spacing:** Set the phone to automatically insert a space between words.
- **Auto-capitalization:** Set the phone to automatically capitalise the first letter after a final punctuation mark, such as a period, question mark, or exclamation mark.
- **Show complete trace:** Set to display the trace of your dragging on the keyboard.
- **Word Choice Window:** Set how often the word list will display.
- **Speed vs. accuracy:** Set the balance for the speed and accuracy.

- **Swype help:** Access help information for using the Swype keyboard.
- **Tutorial:** Learn how to enter text faster with the Swype keyboard.
- **Version:** View the version information.

Samsung keypad

- **Keypad types:** Select the default input method, such as the QWERTY keypad, traditional keypad, or handwriting box 1, 2.
- **Writing languages:** Select languages for text input.



You cannot enter text in some languages. To enter text, you should change the writing language to one of the supported languages.

- **XT9:** Activate XT9 mode to enter text using Predictive input mode.

- **XT9 advanced settings:** Activate the advanced features of XT9 mode, such as auto completion, auto correction, or auto substitution, and set up your own word list.
- **Keypad sweeping:** Enable/disable the sweeping feature for the text input mode. You can switch between input modes by scrolling left or right on the keypad.
- **Auto-capitalization:** Set the phone to automatically capitalise the first letter after a final punctuation mark, such as a period, question mark, or exclamation mark.
- **Handwriting settings:** Customise the recognition time in Handwriting mode.
- **Voice input:** Activate the voice input feature to enter text by voice on the Samsung keypad.
- **Auto-full stop:** Set the phone to insert a period when you double-tap the space bar.
- **Tutorial:** Learn how to enter text with the Samsung keypad.

Voice Input and Output

Change the settings for the voice recogniser and text-to-speech feature.

Voice recognition settings

- **Language:** Select a language for the Google voice recognition.
- **SafeSearch:** Set the phone to filter explicit text and/or images from the voice search results.
- **Block offensive words:** Hide offensive words that your phone recognises in the voice search results.

Text-to-speech settings

- **Listen to an example:** Listen to the spoken text for an example. Install voice data for using the text-to-speech feature.

- **Always use my settings:** Set the phone to use the settings that you specify in applications rather than the default settings.
- **Default engine:** Set the speech synthesis engine to be used for spoken text.
- **Install voice data:** Download and install voice data for the text-to-speech feature.
- **Speech rate:** Select a speed for the text-to-speech feature.
- **Language:** Select a language for the text-to-speech feature.
- **Engines:** View the text-to-speech engines downloaded from Android Market.

Accessibility

Change the settings for the accessibility features.

- **Accessibility:** Activate an accessibility application that you have downloaded, such as Talkback or Kickback, which provide voice, melody, or vibration feedback.
- **The power key ends calls:** Set the phone to end a call when you press the Power/Lock key.

Date and Time

Access and alter the following settings to control how time and date are displayed on your phone:

- **Automatic:** Automatically update the time when you move across time zones.
- **Set date:** Set the current date manually.
- **Select time zone:** Set your home time zone.
- **Set time:** Set the current time manually.

- **Use 24-hour format:** Set to the time to be displayed in 24-hour format.
- **Select date format:** Select a date format.

About Phone

Access information about your phone, check the phone's status, and learn how to use your phone.

troubleshooting

If you are having trouble with your mobile phone, try these troubleshooting procedures before contacting a service professional.

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

| Code | Try this to solve the problem: |
|----------|--|
| Password | When the phone's lock feature is enabled, you must enter the password that you set for the phone. |
| PIN | When using the phone for the first time or when the PIN requirement is enabled, you must enter the PIN supplied with the SIM card. You can disable this feature using the Lock SIM card menu. |

| Code | Try this to solve the problem: |
|------|---|
| | Your SIM 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 the SIM card. For details, contact your service provider. |

Your phone displays “Service unavailable” or “Network error”

- When you are in areas with weak signals or poor reception, you might lose reception. Move to another area and try again.
- You cannot access some options without a subscription. Contact your service provider for more details.

The touch screen responds slowly or improperly

If the touch screen is not responding properly, try the following:

- Remove any protective covers from the touch screen. Protective covers might prevent the phone from recognising your inputs and are not recommended for touch screen phones.
- Ensure that your hands are clean and dry when tapping the touch screen.

- Restart your phone to clear any temporary software bugs.
- Ensure that your phone's software is upgraded to the latest version.
- If the touch screen is scratched or damaged, take it to your local Samsung Service Centre.

Your phone freezes or has fatal errors

If your phone freezes or hangs, you might need to close programs or reset the phone to regain functionality. If your phone is frozen and unresponsive, press and hold [⏻] for 8-10 seconds. The phone will reboot automatically.

If this does not solve the problem, perform a factory data reset. In Idle mode, select  → **Settings** → **Privacy** → **Factory data reset** → **Reset phone** → **Erase everything**.

Calls are being dropped

When you are in areas with weak signals or poor reception, you might lose your connection to the network. Move to another area and try again.

Outgoing calls are not connected

- Ensure that you have pressed the Dial key.
- Ensure that you have accessed the correct cellular network.
- Ensure that you have not set call barring for the phone number you are dialling.

Incoming calls are not connected

- Ensure that your phone is turned on.
- Ensure that you have accessed the correct cellular network.
- Ensure that you have not set call barring for the incoming phone number.

Others cannot hear you speaking on a call

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

Audio quality is poor

- Ensure that you are not blocking the phone's internal antenna.
- When you are in areas with weak signals or poor reception, you might lose reception. Move to another area and try again.

When dialling from contacts, the call is not connected

- Ensure that the correct number is stored in the contact list.
- Re-enter and save the number, if necessary.
- Ensure that you have not set call barring for the contact's phone number.

The phone beeps and the battery icon flashes

- Your battery is low. Recharge or replace the battery to continue using the phone.

The battery does not charge properly or the phone turns off

- The battery terminals might be dirty. Wipe both gold-coloured contacts with a clean, soft cloth and try charging the battery again.
- If the battery will no longer charge completely, dispose of the old battery properly and replace it with a new battery (refer to your local bylaws for proper disposal instructions).

Your phone is hot to the touch

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

Error messages appear when launching the camera

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

- Charge the battery or replace it with a battery that is fully charged.
- Free some memory by transferring files to a PC or deleting files from your phone.
- Restart the phone. If you are still having trouble with the camera application after trying these tips, contact a Samsung Service Centre.

Error messages appear when opening music files

Some music files might not play on your Samsung phone for a variety of reasons. If you receive error messages when opening music files on your phone, try the following:

- Free some memory by transferring files to a PC or deleting files from your phone.
- 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 your phone supports the file type.

Another Bluetooth device is not located

- Ensure that the Bluetooth wireless feature is activated on your phone.
- Ensure that the Bluetooth wireless feature is activated on the device that you wish to connect to, if necessary.
- Ensure that your phone and the other Bluetooth device are within the maximum Bluetooth range (10 metres).
- If the tips above do not solve the problem, contact a Samsung Service Centre.

A connection is not established when you connect the phone to a PC

- Ensure that the PC data cable you are using is compatible with your phone.
- Ensure that you have the proper drivers installed and updated on your PC.

health and safety information

Comply with the following precautions to avoid dangerous or illegal situations and to ensure peak performance of your mobile phone.

Getting the Most Out of Your Reception

Keeping Tabs on Signal Strength

The quality of each call you make or receive depends on the signal strength in your area. Your phone informs you of the current signal strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal. If you're inside a building, being near a window may give you better reception.

Understanding How Your Phone Operates

Your phone is basically a radio transmitter and receiver. When it's turned on, it receives and transmits radio frequency (RF) signals. When you use your phone, the system handling your call controls the power level. This power can range from 0.006 watts to 0.2 watts in digital mode.

Knowing Radio Frequency Safety

The design of your phone complies with updated NCRP standards described below. In 1991-92, the Institute of Electrical and Electronics Engineers (IEEE) and the American National Standards Institute (ANSI) joined in updating ANSI's 1982 standard for safety levels with respect to human exposure to RF signals. More than 120 scientists, engineers and physicians from universities, government health agencies and industries developed this updated standard after reviewing the available body of research. In 1993, the Federal Communications Commission (FCC) adopted this updated standard in a regulation. In August 1996, the FCC adopted hybrid standard consisting of the existing ANSI/IEEE standard and the guidelines published by the National Council of Radiation Protection and Measurements (NCRP).

Maintaining Your Phone's Peak Performance

There are several simple guidelines for operating your phone properly and maintaining safe, satisfactory service.

- Speak directly into the mouthpiece.
- Avoid exposing your phone and accessories to rain or liquid spills. If your phone does get wet, immediately turn the power off and remove the battery. If it's inoperable, return it to a dealer store or call Customer Support for service.



For the best care of your phone, only authorized personnel should service your phone and accessories. Faulty service may void the warranty.

Maintaining Safe Use of and Access to Your Phone

Failure to follow the instructions outlined may lead to serious personal injury and possible property damage.



Excessive exposure to sound at high volumes can cause hearing damage. Always turn the volume down before plugging the headphones into an audio source and use only the minimum volume setting necessary to hear your conversation or music.

Using Your Phone While Driving

Talking on your phone while driving (or operating the phone without a hands-free phone) is prohibited in some jurisdictions. Laws vary as to specific restrictions. Remember that safety always comes first.

When using your phone in the car:

- Get to know your phone and its features, such as speed dial and re-dial.
- When available, use a hands-free phone.
- Position your phone within easy reach.
- Let the person you are speaking to know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions.
- Do not take notes or look up phone numbers while driving.
- Dial sensibly and assess the traffic; if possible, place calls when stationary or before pulling into traffic.
- Do not engage in stressful or emotional conversations that may divert your attention from the road.
- Dial 911 to report serious emergencies. It's free from your wireless phone.
- Use your phone to help others in emergencies.
- Call roadside assistance or a special non-emergency wireless number when necessary.

Following Safety Guidelines

To operate your phone safely and efficiently, always follow any special regulations in a given area. Turn your phone off in areas where use is forbidden or when it may cause interference or danger.

Using Your Phone Near Other Electronic Devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, RF signals from wireless phones may affect inadequately shielded electronic equipment.

RF signals may affect improperly installed or inadequately shielded electronic operating systems and/or entertainment systems in motor vehicles. Check with the manufacturer or their representative to determine if these systems are adequately shielded from external RF signals. Also check

with the manufacturer regarding any equipment that has been added to your vehicle.

Consult the manufacturer of any personal medical phones, such as pacemakers and hearing aids, to determine if they are adequately shielded from external RF signals.



Always turn off the phone in health care facilities and request permission before using the phone near medical equipment.

Turning Off Your Phone Before Flying

Turn off your phone before boarding any aircraft. To prevent possible interference with aircraft systems, the U.S. Federal Aviation Administration (FAA) regulations require you to have permission from a crew member to use your phone while the plane is on the ground. To prevent any risk of interference, FCC regulations prohibit using your phone while the plane is in the air.

Turning Off Your Phone in Dangerous Areas

To avoid interfering with blasting operations, turn off your phone when in a blasting area or in other areas with signs indicating that two-way radios should be turned off.

Construction crews often use remote-control RF phones to set off explosives.

Turn off your phone when you are in an area with a potentially explosive atmosphere. Although it is rare, your phone or its accessories could generate sparks. Sparks could cause an explosion or a fire resulting in bodily injury or even death. These areas are often, but not always, clearly marked. These areas include:

- Fueling areas such as gas stations.
- Below deck on boats.
- Fuel or chemical transfer or storage facilities.
- Areas where the air contains chemicals or particles such as grain, dust or metal powders.

- Any other area where you would normally be advised to turn off your vehicle's engine.



Never transport or store flammable gas, liquid or explosives in the compartment of your vehicle that contains your phone or accessories.

Restricting Children's Access to your Phone

Your phone is not a toy. Children should not be allowed to play with it because they could hurt themselves and others, damage the phone, dial 911 by mistake or make calls that increase your phone bill.

Warning Regarding Display

The display on your handset is made of glass or acrylic and could break if your handset is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

UL Certified Travel Adapter

The Travel Adapter for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines.

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET. THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTATED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Caring for the Battery

Protecting Your Battery

The guidelines listed below help you get the most out of your battery's performance.

- Use only Samsung approved batteries and desktop chargers. These chargers are designed to maximize battery life. Using other batteries or chargers voids your warranty and may cause damage.
- In order to avoid damage, charge the battery only in temperatures that range from 32° F to 113° F (0° C to 45° C).
- Don't use the battery charger in direct sunlight or in high humidity areas, such as the bathroom.
- Never dispose of the battery by incineration.
- Keep the metal contacts on top of the battery clean.
- Don't attempt to disassemble or short-circuit the battery.

- The battery may need recharging if it has not been used for a long period of time.
- It's best to replace the battery when it no longer provides acceptable performance. When used correctly, the battery can be recharged hundreds of times before it needs replacing.
- Don't store the battery in high temperature areas for long periods of time. It's best to follow these storage rules:

Less than one month:

-4° F to 140° F (-20° C to 60° C)

More than one month:

-4° F to 113° F (-20° C to 45° C)

Disposal of Lithium Ion (Lilon) Batteries

For safe disposal options of your Lilon batteries, contact your nearest service center.



Be sure to dispose of your battery properly. In some areas, the disposal of batteries in household or business trash may be prohibited.



For safety, do not handle a damaged or leaking Lilon battery.

Acknowledging Special Precautions and Industry Canada Notice

Cautions

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

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

Information to User

This equipment has been tested and found to comply with the limits of a Class B digital phone, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation; if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

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

Specific Absorption Rates (SAR) for Wireless Phones

The SAR is a value that corresponds to the relative amount of RF energy absorbed in the head of a user of a wireless handset.

The SAR value of a phone is the result of an extensive testing, measuring and calculation process. It does not represent how much RF the phone emits. All phone models are tested at their highest value in strict laboratory settings. But when in operation, the SAR of a phone can be

substantially less than the level reported to the FCC. This is because of a variety of factors including its proximity to a base station antenna, phone design and other factors. What is important to remember is that each phone meets strict federal guidelines. Variations in SARs do not represent a variation in safety.

All phones must meet the federal standard, which incorporates a substantial margin of safety. As stated above, variations in SAR values between different model phones do not mean variations in safety. SAR values at or below the federal standard of 1.6 W/kg are considered safe for use by the public.

The highest reported SAR values of the S5660M are:

GSM850: Head: 0.59 W/Kg; Body-worn: 1.06 W/Kg

GSM1900: Head: 0.67 W/Kg; Body-worn: 0.72 W/Kg

UMTS V: Head: 0.53 W/Kg; Body-worn: 0.75 W/Kg

UMTS II: Head: 0.88 W/Kg; Body-worn: 0.80 W/Kg

Owner's Record

The model number, regulatory number and serial number are located on a nameplate inside the battery compartment. Record the serial number in the space provided below. This will be helpful if you need to contact us about your phone in the future.

Model: **GT-S5660M**

Serial No.:

warranty information

Standard Limited Warranty

What is Covered and For How Long?

SAMSUNG Electronics Canada Inc. ("SAMSUNG") warrants to the original purchaser ("Purchaser") that SAMSUNG's phones and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase and continuing for the following specified period of time after that date:

| | |
|-------------------------|---------|
| Phone | 1 Year |
| Batteries | 1 Year |
| Leather Case | 90 Days |
| Holster | 90 Days |
| Other Phone Accessories | 1 Year |

What is Not Covered? This Limited Warranty is conditioned upon proper use of Product by Purchaser. This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abuse, neglect, unusual physical, electrical or electromechanical stress, or modification of any part of Product, including antenna, or cosmetic damage; (b) equipment that has the serial number removed or made illegible; (c) any plastic surfaces or other externally exposed parts that are scratched or damaged due to normal use; (d) malfunctions resulting from the use of Product in conjunction with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (e) defects or damage from improper testing, operation, maintenance, installation, or adjustment; (f) installation, maintenance, and service of Product; or (g) Product used or purchased outside Canada.

This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if: (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery; (ii) any of the seals on the battery are broken or show evidence of tampering; or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's Obligations? During the applicable warranty period, SAMSUNG will repair or replace, at SAMSUNG's sole option, without charge to Purchaser, any defective component part of Product. To obtain service under this Limited Warranty, Purchaser must return Product to an authorized phone service facility in an adequate container for shipping, accompanied by Purchaser's sales receipt or comparable substitute proof of sale showing the date of purchase, the serial number of Product and the sellers' name and address. To obtain assistance on where to

deliver the Product, call Samsung Customer Care at 1-800-Samsung. Upon receipt, SAMSUNG will promptly repair or replace the defective Product. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product or replace Product with a rebuilt, reconditioned or new Product.

Repaired/replaced leather cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Product will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for 90 days, whichever is longer. All replaced parts, components, boards and equipment shall become the property of SAMSUNG. If SAMSUNG determines that any Product is not covered by this Limited Warranty, Purchaser must pay all parts, shipping, and labor charges for the repair or return of such Product.

What Are the Limits On SAMSUNG's Liability? EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED HEREIN, PURCHASER TAKES THE

PRODUCT "AS IS," AND SAMSUNG MAKES NO WARRANTY OR REPRESENTATION AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT, INCLUDING BUT NOT LIMITED TO:

- THE MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR ANY PARTICULAR PURPOSE OR USE;
- WARRANTIES OF TITLE OR NON-INFRINGEMENT;
- DESIGN, CONDITION, QUALITY, OR PERFORMANCE OF THE PRODUCT;
- THE WORKMANSHIP OF THE PRODUCT OR THE COMPONENTS CONTAINED THEREIN; OR
- COMPLIANCE OF THE PRODUCT WITH THE REQUIREMENTS OF ANY LAW, RULE, SPECIFICATION OR CONTRACT PERTAINING THERETO.

NOTHING CONTAINED IN THE INSTRUCTION MANUAL SHALL BE CONSTRUED TO CREATE AN EXPRESS WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT. ALL IMPLIED WARRANTIES AND CONDITIONS THAT MAY ARISE BY OPERATION OF LAW, INCLUDING IF APPLICABLE THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY LIMITED TO THE SAME DURATION OF TIME AS THE EXPRESS WRITTEN WARRANTY STATED HEREIN. SOME JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. IN ADDITION, SAMSUNG SHALL NOT BE LIABLE FOR ANY DAMAGES OF ANY KIND RESULTING FROM THE PURCHASE, USE, OR MISUSE OF, OR INABILITY TO USE THE PRODUCT OR ARISING DIRECTLY OR INDIRECTLY FROM THE USE OR LOSS OF USE OF THE PRODUCT OR FROM THE BREACH OF THE EXPRESS WARRANTY, INCLUDING INCIDENTAL, SPECIAL,

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THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM PROVINCE TO PROVINCE. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS PRODUCT AND SHALL BE PURCHASER'S EXCLUSIVE REMEDY. IF ANY PORTION OF THIS LIMITED

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THE PARTIES UNDERSTAND THAT THE PURCHASER MAY USE THIRD-PARTY SOFTWARE OR EQUIPMENT IN CONJUNCTION WITH THE PRODUCT. SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE OR SUITABILITY OF ANY THIRD-PARTY SOFTWARE OR EQUIPMENT, WHETHER SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG OR

OTHERWISE, INCLUDING THE ABILITY TO INTEGRATE ANY SUCH SOFTWARE OR EQUIPMENT WITH THE PRODUCT. THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT LIE SOLELY WITH THE PURCHASER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT, AS THE CASE MAY BE.

This Limited Warranty allocates risk of Product failure between Purchaser and SAMSUNG, and SAMSUNG's Product pricing reflects this allocation of risk and the limitations of liability contained in this Limited Warranty. The agents, employees, distributors, and dealers of SAMSUNG are not authorized to make modifications to this Limited Warranty, or make additional warranties binding on SAMSUNG. Accordingly, additional statements such as dealer advertising or presentation, whether oral or written, do not constitute warranties by SAMSUNG and should not be relied upon.

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