SCH-W169
user manual

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SAMSUNG

Using this manual

Thank you for purchasing this Samsung mobile phone. This phone will provide you with high quality mobile communication and entertainment based on Samsung's exceptional technology and high standards.

This user manual has been specially designed to guide you through the functions and features of your phone.

Read me first

- Please read all safety precautions and this manual carefully before using your phone to ensure safe and proper use.
- The descriptions in this manual are based on the default settings of your phone.
- Images and screenshots used in this user manual may differ in appearance from the actual product.

- Content in this user manual may differ from the product, or from software provided by service providers or carriers, and is subject to change without prior notice. Refer to www.samsungmobile.com for the latest version of the user manual.
- Available features and additional services may vary by phone, software, or service provider.
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- Please keep this manual for future reference.

Instructional icons

Before you start, familiarise yourself with the icons you will see in this manual:

Warning—situations that could cause injury to yourself or others

Caution—situations that could cause damage to your phone or 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 of options or menus you must select to perform a step; for example: In Menu mode, select **Messages** → **Create new message** (represents **Messages**, followed by **Create new message**)

[ ] **Square brackets**—phone keys; for example: [⌨] (represents the Power/End key)

< > **Angled brackets**—softkeys that control different functions at each screen; for example: <**OK**> (represents the **OK** softkey)

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Contents

Assembling

Unpack

Check your product box for the following items:

- Mobile phone
- Battery
- Travel adapter (charger)
- User manual

> Use only Samsung-approved software. Pirated or illegal software may cause damage or malfunctions that are not covered by your manufacturer's warranty.

> - The items supplied with your phone may 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 perform best for your phone.
> - Accessories other than the supplied ones may not be compatible with your phone.

Insert the SIM or UIM card and battery

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

To insert the SIM or UIM card and battery,

1 If the phone is on, press and hold [⌐] to turn it off.

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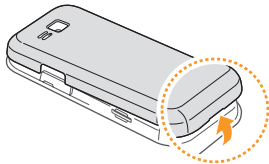
⚠ Be careful not to damage your fingernails when you remove the back cover.

3 Insert the SIM or UIM card.

Your phone has SIM and UIM card slots to allow you to use the left slot for the SIM card and right slot for the UIM card.

UIM card slot

SIM card slot
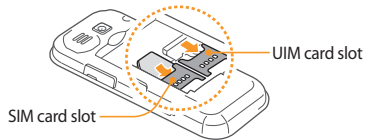
✎ • Place the SIM or UIM card into the phone with the gold-coloured contacts facing down.

• If you do not insert a SIM or UIM card card, you can only use your phone's non-network services and some menus.

4 Insert the battery.

5 Replace the back cover.
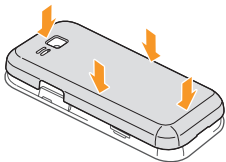
Charge the battery

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.

Use only Samsung-approved chargers and cables. Unauthorised chargers or cables can cause batteries to explode or damage your phone.
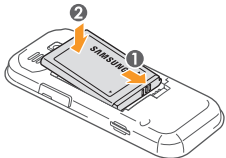
When your battery is low, the phone will emit a warning tone and display a low battery message. The battery icon ▓▓▓▓ will also be empty and blinking. If the battery level becomes too low, the phone will automatically power off. Recharge your battery to continue using your phone.

› Charge with the travel adapter

1 Open the cover to the multifunction jack on the side of the phone.

2 Plug the small end of the travel adapter into the multifunction jack.
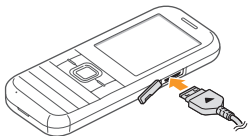
⚠ Improperly connecting the travel adapter can cause serious damage to the phone. Any damage caused by misuse is not covered by the warranty.

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

✎ • You can use the phone while it is charging, but it may take longer to fully charge the battery.

• While charging, the phone may heat up. This is normal and should not affect your phone's lifespan or performance.

• If your phone is not charging properly, bring your phone and the charger to a Samsung Service Centre.

4 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 this may cause damage to the phone.

When you charge the battery for the first time, charging your battery completely may take about 2.5 hours. Because the battery is a consumable part, the battery will gradually wear out and the charging time will be reduced. The initial charging capacity of your battery is about 1000 mAh.

› Charge with the PC data cable

Before charging, ensure that your PC is turned on.

1 Open the cover to the multifunction jack on the side of the phone.

2 Plug the small end of the PC data cable into the multifunction jack.

3 Plug the large 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 may take some time before charging begins.

4 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 with maximum capacities of 8 GB (depending on memory card manufacturer and type).

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

- ☑ • Your phone supports only the FAT file structure for memory cards. If you insert a card formatted with a different file structure, your phone will ask you to reformat the memory card.
  • Frequent writing and erasing of data will shorten the lifespan of memory cards.

1. Remove the back cover.

2. Insert a memory card with the gold-coloured contacts facing down.
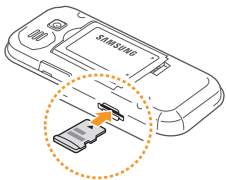
3. Push the memory card in the memory card slot until it locks in place.

4. Replace the back cover.

› Remove the memory card

1. Ensure that the phone is not currently using the memory card.

2. Remove the back cover.

3. Push the memory card gently until it disengages from the phone.

4. Pull the memory card out of the memory card slot.

5. Replace the back cover.

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

› Format the memory card

Formatting your memory card on a PC may cause incompatibilities with your phone. Format the memory card only on the phone.

In Menu mode, select **Settings** → **Memory settings** → **Memory card** and press <**Options**> → **Format memory card**.

> Before formatting the memory card, remember to make backup copies of all important data stored on your phone. The manufacturer's warranty does not cover loss of data resulting from user actions.

Attach a hand strap (optional)

1 Remove the back cover.

2 Slide a hand strap through the hand strap hole and hook it over the small projection.
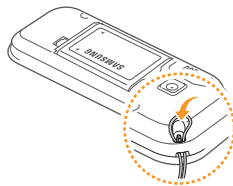
3 Replace the back cover.

Getting started

Turn your phone on and off

To turn on your phone,

1 Press and hold [⟲].

2 Enter your PIN and press <**OK**> (if necessary).

3 Press <**OK**> to register your cards.

4 Press [🗐] to select a slot.

5 Assign a name and signal icon to the SIM or UIM card, and press <**Next**>.

6 Repeat step 5 for the other SIM or UIM card.

7 Select a primary SIM or UIM card and press <**Save**>.

To turn your phone off, repeat step 1 above.

🖉 • Follow all posted warnings and directions from official personnel when in areas where the use of wireless devices is restricted, such as aeroplanes and hospitals.

• To use your phone's non-network services only, switch to the offline profile.

Get to know your phone

› Phone layout

Earpiece

Display

4-way navigation key

Right softkey

Confirm key

Left softkey

Power/End key

Dial key

My menu key

Network switch key

Alphanumeric keys

Mouthpiece

Special function keys

Speaker

Camera lens

Multifunction jack

Back cover

Internal antenna
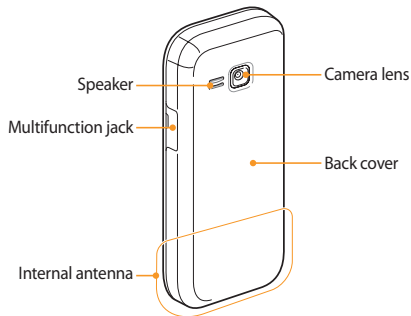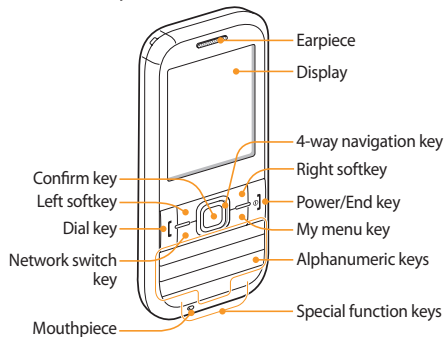
› Keys

Key		Function
	Softkeys	Perform actions indicated at the bottom of the display.
	4-way navigation	In Idle mode, access user-defined menus (left/right/up/down); In Menu mode, scroll through menu options.
	Confirm	In Idle mode, launch the web browser; In Menu mode, select the highlighted menu option.
	Network switch	Switch between SIM and UIM card when you make calls or send messages; In Idle mode, access the SIM card selection mode.
	My menu	In Idle mode, access My menu mode

Key		Function
	Dial	Make or answer a call; In Idle mode, retrieve recently dialled, missed, or received numbers.
	Power/End	Turn the phone on or off (press and hold); End a call; In Menu mode, return to the Idle mode.
	Alpha-numeric	Enter numbers, letters, and special characters; In Idle mode, press and hold [1] to access voice mails and [0] to enter an international call prefix.
	Special function	Enter special characters or perform special functions; In Idle mode, press and hold [#] for the silent profile; In Idle mode, press and hold [✻] to lock the phone.

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› Idle screen

When the phone is in Idle mode, you will see the following screen. From this screen, you can view your phone's status and access applications.
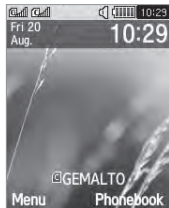
› Indicator icons

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

Icon	Definition
/	Signal strength
	Call in progress
	SOS message feature activated
	GPRS network connected
	EDGE network connected
	Roaming (outside of normal service area)
	Call diverting activated
	Alarm activated

Icon	Definition
🗂	Memory card inserted
✉	New text message (SMS)
✉	New multimedia message (MMS)
✉	New email message
📧 / 📧	New voice mail messages
🎵	Music playback in progress
🎵	Music playback paused
📻	FM radio on
🌐	Connected to secured web page
🅱	Bluetooth activated

Icon	Definition
🎧	Bluetooth hands-free car kit or headset connected
🔊	Normal profile activated
🔇	Silent profile activated
🔋	Battery power level
10:28	Current time

Access menus

To access your phone's menus,

1 In Idle mode, press <**Menu**> to access Menu mode.

2 Press the Navigation key to select a menu or application.

3 Press <**Select**>, <**Save**>, or the Confirm key to confirm the highlighted option.

4 Press <**Back**> to move up one level; Press [ ] to close the menu or application and return to Idle mode.

Use My menu mode

Use My menu mode to easily access your favourite menus. To access My menu mode,

1 In Idle mode, press [ ].

2 Select the menu you want.

To assign menus,

1 In Menu mode, select **Settings** → **Phone settings** → **My menu**.

2 Select a location → a menu you want.

3 Repeat step 2 to assign more menus (if necessary)

Customise your phone

Get more from your phone by customising it to match your preferences.

› Change the language of the display

1 In Menu mode, select **Settings** → **Phone settings** → **Language**.

2 Select a language you want.

› Set the current time and date

In the CDMA network, your phone will receive time and date information from the network. You only need to set the time and date in the GSM network or when you do not have a SIM or UIM card.

1 In Menu mode, select **Settings → Time and date**.

2 Set the time and date format.

3 Press <**Save**>.

› Switch to the silent profile

In Idle mode, press and hold [#] to mute or unmute your phone.

› Set up a sound profile

You can change your phone's sounds by customising the current sound profile or switching to another sound profile. To set up a profile,

1 In Menu mode, select **Settings → Phone profiles**.

2 Scroll to the profile you are using.

3 Press <**Options**> → **Edit**.

4 Customise the sound options for incoming calls, incoming messages, and other phone sounds. ► p. 70

Available sound options vary depending on the selected profile.

5 Press <**Options**> → **Save**.

To switch to another profile, select it from the list.

› Select a wallpaper for the idle screen

1. In Menu mode, select **Settings** → **Display and light** → **Home screen**.

2. Scroll left or right to **Images**.

3. Select **Wallpaper** → **Default wallpaper**.
   To select an image from the image folder, select **Images**.

4. Scroll left or right to an image and press <**Select**>.

5. Press <**Save**>.

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

› Select a theme for menu screens

1. In Menu mode, select **Settings** → **Display and light** → **My theme**.

2. Select a theme.

› Adjust the brightness of the display

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

1. In Menu mode, select **Settings** → **Display and light** → **LCD brightness**.

2. Scroll left or right to adjust the level of brightness.

3. Press <**Save**>.

› Set menu shortcuts

1. In Menu mode, select **Settings** → **Phone settings** → **Shortcuts**.

2. Select a key to use as a shortcut.

3. Press <**Options**> → **Edit**.

4. Select a menu to assign to the shortcut key.

› Lock your phone

You can lock your phone by activating the phone password.

1 In Menu mode, select **Settings → Security**.

2 Select **Phone security → Phone lock → On**.

3 Enter a new 4- to 8-digit password and press <**OK**>.

4 Enter the new password again and press <**OK**>.

The first time you access a menu that requires a password, you will be prompted to create and confirm a password.

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

- • If you forget your password, bring your phone to a Samsung Service Centre to unlock it.
- • Samsung is not responsible for any loss of passwords or private information or other damages caused by illegal software.

› Lock your SIM or UIM card

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

1 In Menu mode, select **Settings → Security**.

2 Select **SIM security →** a SIM or UIM card **→ PIN lock → On**.

3 Enter the PIN of your SIM or UIM card and press <**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 or UIM card will be blocked. You must enter a PIN unlock key (PUK) to unblock the SIM or UIM card.
- • If you block your SIM or UIM card by entering an incorrect PUK, bring the card to your service provider to unblock it.

Getting started

Switch networks

Once you insert two SIM or UIM cards, you can switch back and forth between each network and select a primary SIM or UIM card.

To switch between SIM or UIM cards, press [🔲] except for when the device is sending or receiving messages or data from the network.

› Activate the SIM or UIM card

1 In Menu mode, select **Settings** → **SIM cards management** → **Network**.
   You can also press [🔲] in Idle mode.

2 Select **Enable** under the SIM or UIM card you want to activate.

3 Press <**Save**>.

› Select a primary network

1 In Menu mode, select **Settings** → **SIM cards management** → **Network**.
   You can also press [🔲] in Idle mode.

2 Select **Default network** under the SIM or UIM card you want to use.

› Switch the SIM or UIM card automatically

1 In Menu mode, select **Settings** → **SIM cards management** → **SIM auto switch**.

2 Scroll left or right to **On**.

3 Select a SIM or UIM card.

4 Specify the schedule that the SIM or UIM card will be active and press <**Save**>.

5 Press <**Save**>.

› Change the names and icons of the SIM or UIM cards

1. In Menu mode, select **Settings → SIM cards management → Register card**.
2. Press [⬜] to select a SIM or UIM card.
3. Change the name for the SIM or UIM card and scroll down.
4. Change the icon for the SIM or UIM card and press <**Save**>.

Enter text

You can enter text by pressing keys on the keypad.

Change the text input mode

- Press [#] to change case or switch to Number mode.
- Press and hold [#] to switch between T9 and ABC modes.
- Press [✳] to switch to Symbol mode.

- Press and hold [✳] to select an input mode from the list. This function is available only when you are creating a message.

Enter text using input modes

Mode	Function
T9Abc	1. Press appropriate alphanumeric keys to enter an entire word. 2. When the word displays correctly, press [**0**] to insert a space. If the correct word does not display, select an alternate word from the list that appears.
Abc	Press an appropriate alphanumeric key until the character you want appears on the display.
Numeric	Press an appropriate alphanumeric key to enter a number.
Symbol	Press an appropriate alphanumeric key to enter a symbol.

Getting started **25**

Communication

Calling

Learn to use calling functions, such as making and answering calls, using options available during a call or customising and using call-related features.

› Make and answer a call

Make a call

1 In Idle mode, enter an area code and a phone number.

2 Press [━] to dial the number.

3 To end the call, press [☎].

 • Use the phonebook to save numbers you dial frequently. ► p. 50
 • To quickly access the call log to redial the numbers you dialled recently, press [━].

Answer a call

1 When a call comes in, press [━].

2 To end the call, press [☎].

Reject a call

When a call comes in, press [☎]. The caller will hear a busy tone.

 You can set up a list of numbers to reject incoming calls automatically. ► p. 29

Call an international number

1 In Idle mode, press and hold [**0**] to insert the international prefix.

2 Enter the complete number you want to dial (country code, area code, and phone number), and then press [⟶] to dial the number.

> On the CDMA network, you can change to another prefix. In Menu mode, select **Settings** → **Application settings** → **Call** → **All calls** → **Int'l call prefix** → **Manual**.

› Use the headset

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

- To redial the last call, press and hold the headset button.
- To answer a call, press and hold the headset button.
- To end a call, press and hold the headset button.

› Use options during a voice call

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

- To adjust the voice volume, press the Navigation key up or down.
- To activate the speakerphone feature, press the Confirm key → **Yes**.

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

- To turn off the microphone so that the other party cannot hear you, press <**Options**> → **Voice mute**.
- To turn off the keypad tones, press <**Options**> → **Key mute**.
- To open the phonebook, <**Options**> → **Contacts**.

Communication

- To create a new message, <**Options**> → **Message** → **Create new message**.
- To open the message folder, <**Options**> → **Message** → **My messages**.
- To set the DTMF tone length, press <**Options**> → **DTMF length**.
- To use the enhanced privacy mode, press <**Options**> → **Voice privacy**.
- To place a call on hold, press <**Hold**>. To retrieve a held call, press <**Retrieve**>. This feature is available only on the GSM network.
- To dial a second call, place the first call on hold and then dial a new number.
- To answer a second call, press [➔] when a call waiting tone sounds. The first call is automatically placed on hold. Your network should support this function.
- To switch between the two calls, press <**Swap**>.
- To end the calls, press [☎].

- To make a multiparty call (conference call) on the GSM network, make a second call and press <**Options**> → **Conference call** when connected to the second party. Repeat to add more parties. Your network should support this function.
- To make a three-way call on the CDMA network, make a second call and press [**3**] and [➔] when connected to the second party. 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 on the display.

1 Press <**View**>.

2 Scroll to the missed call you want to dial.

3 Press [➔] to dial.

› Use additional features

You can use various other call-related features, such as auto rejection, or call diverting.

Set auto rejection

Use auto rejection to reject calls from certain numbers automatically. To activate auto rejection and set up the reject list,

1. In Menu mode, select **Settings** → **Application settings** → **Call** → **All calls** → **Auto reject**.
2. Scroll left or right to **On** to activate auto rejection.
3. Select **Reject list**.
4. Press <**Options**> → **Create**.
5. Enter a number to reject.
6. Select **Match criteria** → an option (if necessary).
7. Press <**Options**> → **Save**.

8. To add more number, repeat step 4-7 above.
9. Select numbers to reject.
10. Press <**Options**> → **Save**.
11. Press <**Save**>.

Make a fake call

You can simulate incoming calls when you want to get out of meetings or unwanted conversations.

To activate the fake call feature, in Menu mode, select **Settings** → **Application settings** → **Call** → **Fake call** → **Fake call hot key**.

To make a fake call, press and hold the Navigation key down in Idle mode. A fake call comes in after a specified length of time.

> You can change the delay time before fake calls. In Menu mode, select **Settings** → **Application settings** → **Call** → **Fake call** → **Fake call timer**.

You can make fake calls appear more realistic by playing back a recorded voice. To record a voice,

1 In Menu mode, select **Settings → Application settings → Call → Fake call → Fake call voice**.

2 Scroll to **Fake call voice**.

3 Press <**Options**> → **Edit**.

4 Press <**Record**> to start recording.

5 Speak into the microphone.

6 When you are finished, press <**Save**>.

Set call diverting

Call diverting is a network feature 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 of the service area.

1 In Menu mode, select **Settings → Application settings → Call → Voice calls** or **Data calls**.
   The Data calls menu is available only for the GPRS network.

2 If necessary, scroll left or right to select a network (SIM or UIM).

3 For the GPRS network, select **Call diverting** → a condition.
   For the CDMA network, select **Call diverting** → a condition → **Activation** → **To other number**.

4 Enter a number to forward to.

5 Press <**Options**> → **Activate**.

6 Follow the instructions from your service provider.

Set call barring

Call barring is a network feature to restrict certain types of calls or to prevent others from making calls with your phone.

1 In Menu mode, select **Settings → Application settings → Call → Voice calls** or **Data calls**.

The Data calls menu is available only for the GPRS network.

2 If necessary, scroll left or right to select a network (SIM or UIM).

3 For the GPRS network, select **Call barring →** a call type to restrict **→ Select** and enter a call barring password.

For the CDMA network, select **Call lock**, enter a password, and select a call type to restrict **→** an option (On, On/Alert or On/No Alert).

4 Press <**Options**> **→ Activate**.

5 Press [☎].

Set call waiting

Call waiting is a network feature to alert you of an incoming call while you are on a previous call.

1 In Menu mode, select **Settings → Application settings → Call → Voice calls** or **Data calls**.

The Data calls menu is available only for the GPRS network.

2 If necessary, scroll left or right to select a network (SIM or UIM).

3 For the GPRS network, select **Call waiting**.

For the CDMA network, select **Call waiting → Activation**.

4 Press <**Options**> **→ Activate**.

5 Follow the instructions from your service provider.

Call log

Learn to view and manage logs of calls you have dialled, received, or missed and messages you have sent, or received.

› View call and message logs

You can view logs of your calls and messages filtered by their types.

1 In Menu mode, select **Call log**.

2 Scroll left or right to select a log type.

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 or reject list.

› View the call time

You can view time data for your calls and data calls, such as the duration of the last call and the total duration of all calls.

1 In Menu mode, select **Call log**.

2 Press <**Options**> → **Call manager** → **Call time**.

To reset the records, press <**Options**> → **Reset**.

Messages

Learn to create and send text (SMS), multimedia (MMS), or email messages, and view or manage messages you have sent or received. Sending multimedia and email messages is available only on the GSM network.

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

› Send a text message

1 In Menu mode, select **Messages** → **Create new message** → **Message**.

2 Enter a number.

   You can select one from phonebook, groups, or recent contacts by pressing <**Options**> → **Add recipients**.

3 Scroll down and enter your message text.

4 Press <**Options**> → **Send** to send the message.

   - If you decide not to send a message immediately, you can save it to the draft folder for future use.
   - If an error occurs while you are sending a message, it will be saved in the outbox so you can try to resend it later.
   - When a message is sent successfully, it will be saved in the sentbox.

› Send a multimedia message

This feature is available only on the GSM network.

1 In Menu mode, select **Messages** → **Create new message** → **Message**.

2 Enter a number or email address.

   You can select one from phonebook, groups, or recent contacts by pressing <**Options**> → **Add recipients**.

3 Press <**Options**> → **Advanced** → **Add subject** → <**OK**> and enter a subject (if necessary).

4 Scroll down and enter your message text.

5 Press <**Options**> → **Add multimedia** and attach a file.

   You can select a file from the file list or capture a photo, video, or sound clip.

6 Press <**Options**> → **Send** to send the message.

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› View a message

Messages you have received, sent or saved are sorted automatically into the following message folders.

- **Inbox**: Received text or multimedia messages.
- **Drafts**: Messages that you have saved for future use.
- **Outbox**: Messages that are currently sending or waiting to be sent.
- **Sentbox**: Sent messages.
- **Email inbox**: Received email messages.
- **My folders**: Important messages and emails in a created folder.

View a text or multimedia message

1 In Menu mode, select **Messages → My messages → Inbox**.

2 Select a text or multimedia message.

In a message folder, press <**Options**> to use the following options:

- To view the message, select **View**.
- To delete the message, select **Delete**.
- To forward the message to other people, select **Forward**.
- To move the message to a created folder, select **Move to My Folder**.
- To move the message to SIM or UIM card, select **Move to SIM**.
- To view the messages by list options, select **List by**.
- To protect the message from accidental deletion, select **Protection on**.

› Use message templates

Learn to create and use text templates to quickly and easily create new messages. To create a text template,

1 In Menu mode, select **Messages → Templates → Text templates**.

2 Press <**Options**> → **Edit** to open a new template window.

3 Enter your text and press <**Options**> → **Save**.

You can now insert a text template in the text field while creating a text, multimedia, or email message by using the inserting option.

› Send an SOS message

In case of an emergency, you can ask for help by sending an SOS message to specified recipients.

This feature may be unavailable depending on your region.

1 In Menu mode, select **Messages** → **SOS messages** → **Sending options**.

2 Scroll left or right to **On** to turn on the SOS messaging feature.

3 Select **Recipients** to open the recipient list.

4 Enter a recipient number and press <**Options**> → **Save**.

5 Scroll down and scroll left or right to select the number of times to repeat the SOS message.

6 Press <**Save**> → <**Yes**>.

To send an SOS message, the keypad must be locked. Press [⟶] 4 times.

Once you send an SOS message, all phone functions will be suspended until you press [⟲].

› Email

Learn to create and send email messages, and view or manage messages you have sent or received. This feature is available only on the GSM network.

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Set up an email account

In addition to the email account predefined by your service provider, you can add your personal email accounts.

1 In Menu mode, select **Messages → Settings → Email → Email accounts**.

2 Press <**Create**>.

3 Press <**Yes**> to start the email setup wizard.

4 Customise the settings for the account by following the screens.

Option	Function
Name	Enter a name for the account.
Mailbox type	Select the type of the incoming server (POP3 or IMAP4).
Email address	Enter your email address.
ID	Enter your user name.

Option	Function
Password	Enter your password.
POP3 server/IMAP4 server	Enter the address of the incoming server.
SMTP server	Enter the address of the SMTP server (outgoing server).

5 When you are finished, press <**OK**>.

6 Select an account to use.

Set up an email profile

You can add your own connection profile for using email services.

1 In Menu mode, select **Messages → Settings → Email → Email profiles**.

2 Press <**Create**>.

3 Customise the network settings.

Option	Function
Set name	Enter the name for the profile.
Home URL	Enter the web address of website to use as your homepage.
Bearer	Select a data bearer.
Proxy	Activate or deactivate the proxy server.

4 When you are finished, press <**Options**> → **Save**.

Send an email message

1 In Menu mode, select **Messages → Create new message**. → **Email**.

2 Enter an email address.

You can select one from phonebook, group or recent contacts by pressing the Confirm key → an option.

3 Scroll down and enter a subject.

4 Scroll down and enter your email text.

5 Press <**Options**> → **Attach multimedia** and attach a file.

You can select a file from the file list or capture a photo, video, or sound clip.

6 Press <**Options**> → **Send** to send the message.

View an email message

1 In Menu mode, select **Messages** → **My messages** → **Email inbox**.

2 Press <**Check new email**>.

3 Select an email or a header.

4 If you selected a header, press <**Options**> → **Retrieve** to view the body of the email.
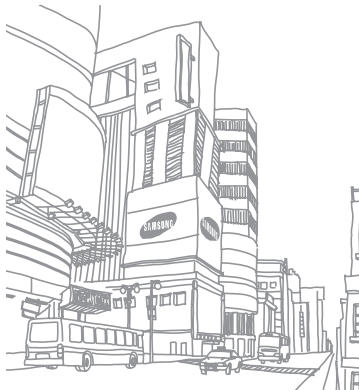
Entertainment

Camera

Learn how to capture and view photos and videos. You can capture photos at resolutions up to 640 x 480 pixels and videos at resolutions up to 176 x 144 pixels.

› Capture a photo

1 In Menu mode, select **Camera** to turn on the camera.

2 Rotate the phone anti-clockwise to landscape view.

- The camera interface appears only in the landscape orientation.
- The camera automatically turns off when you do not use it for a specified period.
- The memory capacity may differ depending on the shooting scene or shooting conditions.

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

Key	Function
Navigation	• Up/Down: Set the exposure value. • Left/Right: Zoom in or out.
< ▤ >	Customise camera settings.
< ▧ >	View the photos you captured.

4 Press the Confirm key to take a photo.
The photo is saved automatically.

5 Press < ⮌ >.

After capturing photos, press <📷> and select a photo to view.

- To view the photo in full screen, press <**Options**> → **Full screen view**.
- To send the photo to others via multimedia message, email, or the Bluetooth wireless feature, press <**Options**> → **Send via** → an option.
- To set the photo as wallpaper or a caller ID image for a contact, press <**Options**> → **Set as** → an option.
- To view the photo in the zoom mode, press <**Options**> → **Zoom**
- To rotate the photo clockwise, press <**Options**> → **Rotate**.
- To delete the photo, press <**Options**> → **Delete**.
- To rename the photo, press <**Options**> → **Rename**.
- To edit the photo, press <**Options**> → **Edit**.
- To set Bluetooth visibility for files, press <**Options**> → **Bluetooth visibility**.

- To print the photo, press <**Options**> → **Print via** → an option.
- To protect the photo, press <**Options**> → **Protection on**.
- To view the photo details, press <**Options**> → **Details**.

› Capture a series of photos

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

1 In Menu mode, select **Camera** to turn on the camera.

2 Rotate the phone anti-clockwise to landscape view.

3 Press <▤> → **Shooting mode** → **Continuous**.

4 Make any necessary adjustments.

5 Press and hold the Confirm key. The camera will continue to capture photos until you release the Confirm key.

6 Press <↩>.

› Capture a mosaic photo

You can capture multiple images and automatically combine them into a mosaic.

1. In Menu mode, select **Camera** to turn on the camera.
2. Rotate the phone anti-clockwise to landscape view.
3. Press <▤> → **Shooting mode** → **Mosaic**.
4. Select an image layout and press <**OK**>.
5. Make any necessary adjustments.
6. Press the Confirm key to take photos for each segment.

› Capture a photo with decorative frames

1. In Menu mode, select **Camera** to turn on the camera.
2. Rotate the phone anti-clockwise to landscape view.
3. Press <▤> → **Shooting mode** → **Frame**.
4. Select a frame and press <**OK**>.

5. Make any necessary adjustments.
6. Press the Confirm key to take a photo and automatically apply the decorative frame.

› Customise camera settings

Before capturing a photo, press <▤> to access the following options:

Option	Function
Mode	Switch to the camcorder.
Shooting mode	Change the shooting mode.
Size	Change the resolution option.
Timer	Set the length of the delay before the camera takes a photo.
White balance	Adjust the colour balance according to lighting conditions.

Option	Function
Exposure metering	Select a type of exposure metre.
Effects	Apply a special effect, such as sepia, black and white, or negative tones.
Settings	Change the camera settings.

Before capturing a photo, press < 目 > → **Settings** to access the following settings:

Setting	Function
Quality	Set the quality level for your photos.
Night mode	Set whether to use Night shot mode.
Review	Set the camera to display the captured image.

Setting	Function
Shutter sound	Set the camera shutter to make a sound when capturing a photo.
Storage	Select a memory location for storing taken photos.
Default name	Set a default name for new photos
Display	Display icons or guidelines on the preview screen.
Shortcuts info	Check the shortcuts.

› Record a video

1 In Menu mode, select **Camera** to turn on the camera.

2 Rotate the phone anti-clockwise to landscape view.

3 Press < 目 > → **Mode** → **Camcorder** to switch to the camcorder.

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

Number	Function
Navigation	• Up/Down: Set the exposure value. • Left/Right: Zoom in or out.
<≡>	Customise camcorder settings.
<📷>	View the videos you recorded.

5 Press the Confirm key to start recording.

6 Press <■> to stop recording.
The video is saved automatically.

After recording videos, press <▶> to view the recorded videos.

- To send the video to others via multimedia message, email, or the Bluetooth wireless feature, press <≡> → **Send via** → an option.
- To delete the video, press <≡> → **Delete**.

› Customise camcorder settings
Before capturing a video, press <≡> to access the following options:

Option	Function
Mode	Switch to the camera.
Recording mode	Change the recording mode (for attaching to a multimedia message or for saving.

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Option	Function
Size	Change the resolution option.
Timer	Set the length of the delay before the camcorder records a video.
White balace	Adjust the colour balance according to lighting conditions.
Effects	Apply a special effect, such as sepia, black and white, or negative tones.
Settings	Change the camcorder settings.

Before recording a video, press < ▤ > → **Settings** to access the following settings:

Option	Function
Quality	Set the quality level for your videos.
Recording sound	Turn the recording sound on or off

Option	Function
Audio recording	Turn the audio on or off.
Storage	Select a memory location for storing recorded videos.
Default name	Set a default name for new videos
Display	Display icons or guidelines on the preview screen.
Shortcuts info	Check the shortcuts.

Music

Learn to listen to your favourite music while on the go with the music player. The music player supports only the mp3 file format.

› Add music files to your phone

Start by transferring files to your phone or memory card:

- Download from the wireless web. ► p. 56
- Download from a PC with the optional Samsung PC Studio. ► p. 60
- Copy to your memory card. ► p. 60

› Play music

After transferring music files to your phone or memory card,

1. In Menu mode, select **Music**.

2. Select a music category → a music file.

3 Control playback with the following keys:

Key	Function
Confirm	Pause or resume playback.
Navigation	• Up/Down: Adjust the volume. • Left: Skip backward; Scan backward in a file (press and hold). • Right: Skip forward; Scan forward in a file (press and hold).

› Create a playlist

1. In Menu mode, select **Music** → **Playlists**.
2. Press <**Options**> → **Create playlist**.
3. Enter a title for your new playlist and press <**Options**> → **Save**.
4. Select the new playlist.
5. Press <**Options**> → **Add** → **Tracks**.
6. Select the files you want to include and press <**Add**>.

› Customise music player settings

1. In Menu mode, select **Music**.
2. Select <**Options**> → **Settings**.

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

Option	Function
Repeat mode	Change the repeat mode (off, repeating a file, or repeating all files).
Shuffle	Activate Shuffle mode.
Background playing	Set whether or not to play music in the background while using other applications.
Sound effects	Select a sound effect.
Music auto off	Set the time that playback stops.
Skin	Select a skin type.

4. When you are finished, press <**Save**>.

FM radio

Learn to listen to music and news on the FM radio. To listen to the FM radio, you must connect the supplied headset, which serves as the radio antenna.

› Listen to the FM radio

1 Plug the supplied headset into the phone's multifunction jack.

2 In Menu mode, select **FM radio**.

3 Press the Confirm key → <**Yes**>.

The FM radio scans and saves available stations automatically.

> • The first time you turn on the FM radio, you will be prompted to start automatic tuning.
> • Automatic tuning will only locate stations with an adequate signal.

4 Control the FM radio with the following keys:

Key	Function
Confirm	Turn the FM radio on or off.
Navigation	• Up/Down: Adjust the volume. • Left/Right: Change the frequency by 0.1 MHz; Search for an available radio station (press and hold).

Entertainment

› Save radio stations automatically

1 Plug the supplied headset into the phone's multifunction jack.

2 In Menu mode, select **FM radio**.

3 Press the Confirm key to turn on the FM radio.

4 Press <**Options**> → **Self-tuning**.

5 Select <**Yes**> to confirm.
The FM radio scans and saves available stations automatically.

› Add radio stations to the favourites list

1 Plug the supplied headset into the phone's multifunction jack.

2 In Menu mode, select **FM radio**.

3 Press the Confirm key to turn on the FM radio.

4 Scroll to the radio station you want.

5 Press <**Options**> → **Add to Favourites**.

› Record songs from the FM radio

1 Plug the supplied headset into the phone's multifunction jack.

2 In Menu mode, select **FM radio**.

3 Press the Confirm key to turn on the FM radio.

4 Scroll to the radio station you want.

5 Press <**Options**> → **Record**.

6 When you are finished recording, press <**Stop**>.
The recorded file will be saved in **My files**.

› Customise FM radio settings

1 In Menu mode, select **FM radio**.

2 Press <**Options**> → **Settings**.

3 Adjust the following setting to customise your FM radio:

Option	Function
Background playing	Set whether or not to run the FM radio in the background while using other applications.
Default name	Set a default name for recorded files.
Default memory	Set a memory location for saving recorded sound clips.
FM radio auto off	Set the FM radio to automatically turn off after a specified length of time.

Games and more

Learn to use games and applications powered by award-winning Java technology. This feature is available only on the GSM network.

To play games or launch applications,

1 In Menu mode, select **Applications** → **Games and more**.

2 Select a game or application from the list and follow the on-screen instructions.

- Available games or applications may vary depending on your service provider.
- Controls and options of games or applications may vary.

Personal information

Phonebook

Learn to create and manage a list of your personal or business contacts stored on the phone's memory or a SIM or UIM card. You can save names, mobile phone numbers, home phone numbers, email addresses, and more for your contacts.

› Create a contact

1 In Menu mode, select **Phonebook**.

2 Press <**Options**> → **Create contact** → a memory location (phone, SIM card, or UIM card).

3 Enter contact information.

> If you are saving the contact on a SIM or UIM card, you can save only the contact's name and a phone number.

4 Press <**Options**> → **Save** to add the contact to memory.

You can also create a contact from the dialling screen.

1 In Idle mode, enter a phone number.

2 Press <**Options**> → **Save** → a memory location (phone, SIM card, or UIM card) → **New**.

3 Select a numbr type (if necessary).

4 Enter contact information.

5 Press <**Options**> → **Save** to add the contact to memory.

› Find a contact

1 In Menu mode, select **Phonebook**.

2 Enter the first letters of the name you want.

3 Select the contact's name from the contact list.

Once you found a contact, you can:
- Call the contact by pressing [➝].
- Edit the contact information by pressing <**Options**> → **Edit**.

› Set speed dial numbers

1 In Menu mode, select **Phonebook**.

2 Press <**Options**> → **Add to speed dial**.

3 Select a speed dial number you want to set.

4 Select **Assign** → a contact type → a contact.

The contact is saved to the speed dial number.

You can now call this contact from Idle mode by pressing and holding the assigned speed dial number.

› Create your namecard

1 In Menu mode, select **Phonebook**.

2 Press <**Options**> → **My namecard**.

3 Enter your own personal details.

4 Press <**Options**> → **Save**.

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

› 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 Menu mode, select **Phonebook**.

2 Scroll left or right to **Groups**.

3 Press <**Options**> → **Create group**.

4 Enter a group name and press <**Options**> → **Save**.

5 Scroll to the new group and press <**Options**> → **Group settings**.

6 To set the caller ID image, select the caller image field → an image category → a memory location (if necessary) → an image.

7 To set a group ringtone, select the ringtone field → a ringtone category → a ringtone.

8 Press <**Options**> → **Save**.

› Copy or move contacts

1 In Menu mode, select **Phonebook**.

2 Select a contact.

3 To copy the contact, press <**Options**> → **Copy to phone** or **Copy to SIM**.

To move the contact, press <**Options**> → **Move to phone** or **Move to SIM**.

Calendar

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

› Create an event

1 In Menu mode, select **Organiser** → **Calendar**.

2 Press <**Options**> → **Create** → an event type.

3 Enter the details of the event as required.

4 Press <**Save**>, or press <**Options**> → **Save**.

› View events

To change the calendar view,

1 In Menu mode, select **Organiser** → **Calendar**.

2 Press <**Options**> → **View by** → **Day** or **Week**.

To view events of a specific date,

1 In Menu mode, select **Organiser** → **Calendar**.

2 Select a date on the calendar.

To move to a specific day by entering a date manually, press <**Options**> → **Go to** → **Date**, enter the date, and press <**OK**>.

To select today's date, press <**Options**> → **Go to** → **Today**.

3 Select an event to view its details.

To view events by event types,

1 In Menu mode, select **Organiser** → **Calendar**.

2 Press <**Options**> → **Event list** → an event type.

3 Select an event to view its details.

› Stop an event alarm

If you set an alarm for a calendar event, the alarm will sound at the specified time. To stop the alarm, press <**OK**>.

Memo

Learn to record important information to save and view at a later date.

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› Create a memo

1 In Menu mode, select **Organiser** → **Memo**.

2 Press <**Create**>.

3 Enter your memo text.

4 Press <**Options**> → **Save**.

› View memos

1 In Menu mode, select **Organiser** → **Memo**.

2 Select a memo to view its details.

> You can send the memo to others by pressing
> <**Options**> → **Send via** → an option.

Task

Learn to create a virtual task list and set alarms to remind yourself of important tasks or set priority.

› Create a task

1 In Menu mode, select **Organiser** → **Task**.

2 Press <**Create**>.

3 Enter the details of the task.

4 Press <**Save**>, press <**Options**> → **Save**.

› View tasks

1 In Menu mode, select **Organiser** → **Task**.

2 Press <**Options**> → **List by** → a category to sort the tasks.

3 Select a task to view its details.

> • For completed tasks with an expired deadline, you
>   can set their status to completed. You will not be
>   reminded of those tasks any longer.
> • You can send the task to others by pressing
>   <**Options**> → **Send via** → an option.

Voice recorder

Learn to operate your phone's voice recorder. You can set voice memos as call or alarm ringtones.

› Record a voice memo

1. In Menu mode, select **Applications** → **Voice recorder**.
2. Press the Confirm key to start recording.
3. Speak into the microphone.
4. When you are finished, press the Navigation key down. Your memo is saved automatically. To record more voice memos, press <**Back**> and repeat steps 2-4.

› Play a voice memo

1. In Menu mode, select **Applications** → **Voice recorder**.
2. Press <**Options**> → **Go to My voice clips** to access the voice memo list.

3. Select a voice memo.
4. Control playback with the following keys:
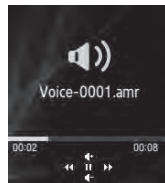
Key	Function
Confirm	Pause or resume playback.
Navigation	• Up/Down: Adjust the volume. • Left: Scan backward in a file. • Right: Scan forward in a file.

Web

Internet

Learn to access and bookmark your favourite web pages. This feature is available only on the GSM network.

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

› Browse web pages

1 In Menu mode, select **Internet** → **Home** to launch a specifed homepage.

To access a specified web page, select **Enter URL**, enter the web address (URL) of the web page, and press <**Options**> → **Open**.

2 Navigate web pages.

› Bookmark your favourite web pages

You can bookmark web pages you frequently visit for quick access. While navigating the web, press <**Options**> → **Add to bookmark** to bookmark the current web page.

If you know the web address of the web page, you can manually add a bookmark. To add a bookmark,

1 In Menu mode, select **Internet** → **Bookmarks**.

2 Press <**Options**> → **Add to bookmark**.

3 Enter a page title and a web address (URL).

4 Press <**Options**> → **Save**.

› Customise browser settings

1 In Menu mode, select **Internet** → **Settings**.

2 Adjust the following settings to customise your web browser:

Option	Function
Clear cache	Clear the cache; The cache is a temporary memory location that saves information from recently accessed web pages.
Empty cookies	Delete cookies saved in the phone; Cookies are pieces of personal information sent to a web server while navigating the web.
Cookie options	Set whether or not to save cookies.

Option	Function
Preferences	Change display and sound settings for the web browser.
Certificates	View the details of certificates.
About browser	Access version and copyright information about the web browser.
Browser profiles	Select a connection profile to use for web connections.

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 devices to beam information with Bluetooth. If the devices 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 via the Bluetooth wireless feature.
• Always ensure that you share and receive data with devices that are trusted and properly secured. If there are obstacles between the devices, the operating distance may be reduced.
• Some devices, especially those that are not tested or approved by Bluetooth SIG, may be incompatible with your phone.

› **Turn on the Bluetooth wireless feature**

1 In Menu mode, select **Applications** → **Bluetooth**.

2 Press <**Options**> → **Settings**.

3 Scroll down to **Activation** and scroll left or right to **On**.

4 To allow other devices to locate your phone, scroll down to **My phone's visibility** and scroll left or right to **On**.

If you select Custom, you can set duration that your phone is visible.

5 Press <**Save**>.

› Find and pair with other Bluetooth-enabled devices

1 In Menu mode, select **Applications** → **Bluetooth** → **Search new device**.

2 Scroll to a device and press the Confirm key.

3 Enter a PIN for the Bluetooth wireless feature or the other device's Bluetooth PIN, if it has one, and press <**OK**>.

When the owner of the other device enters the same PIN or accepts the connection, pairing is complete.

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

› Send data using the Bluetooth wireless feature

1 Select a file or item, such as a contact, calendar event, memo, or media file, from an appropriate application or **My files**.

2 Press <**Options**> → **Send via** → **Bluetooth**, or select <**Options**> → **Send namecard via** → **Bluetooth**.

› Receive data using the Bluetooth wireless feature

1 Enter the PIN for the Bluetooth wireless feature and select <**OK**> (if necessary).

2 Select <**Yes**> to confirm that you are willing to receive data from the device (if necessary).

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Received data is saved to an appropriate application or folder according to its type. For example, a music or sound clip is saved to the music folder or sound folder and a contact to the phonebook.

PC connections

Learn to 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 PC studio program.

› Connect with Samsung PC studio

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

1 In Menu mode, select **Settings** → **PC connections** → **Samsung PC studio** or **Mass storage**.

2 Press [⌧] to return to Idle mode.

3 Using an optional PC data cable, connect the multifunction jack on your phone to a PC.

4 Run Samsung PC studio and use wireless connections or copy data and files between PC and phone memory.

Refer to the Samsung PC studio help for more information.

› Connect as a mass storage device

If you insert a memory card in the phone, you can access the file directory of the memory card by using the phone as a memory card reader.

1 Insert a memory card into the phone.

2 In Menu mode, select **Settings** → **PC connections** → **Mass storage**.

3 Press [⌧] to return to Idle mode.

4 Using an optional PC data cable, connect the multifunction jack on your phone to a PC.

When connected, a pop-up window will appear on the PC.

5 Open the folder to view files.

6 Copy files from the PC to the memory card.

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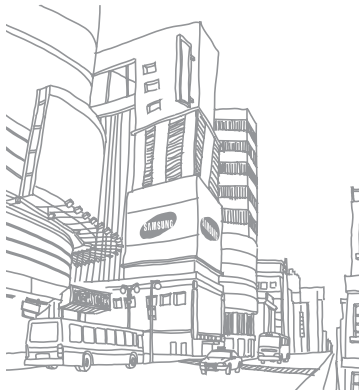
Tools

Alarms

Learn to set and control alarms for important events.

› Set a new alarm

1. In Menu mode, select **Alarms**.
2. Press <**Options**> → **Create alarm** or select an empty alarm location.
3. Set alarm details.
4. When you are finished, press <**Save**> or press <**Options**> → **Save**.

> The auto power-up feature sets the phone to automatically turn on and sound the alarm at the designated time when the phone is turned off.

› Stop an alarm

When the alarm sounds,

- Press <**OK**> to stop the alarm.
- Press <**Snooze**> to silence the alarm for the snooze period.

› Deactivate an alarm

1. In Menu mode, select **Alarms**.
2. Select the alarm you want to deactivate.
3. Scroll down to **Alarm** and scroll left or right to **Off**.
4. Press <**Save**>.

Calculator

Learn to perform mathematical calculations directly on your phone like a typical hand-held or desktop calculator.

1 In Menu mode, select **Organiser** → **Calculator**.

2 Use the keys that correspond to the calculator display to perform basic mathematical operations.

Convertor

Learn to convert currencies and units of measurement from one form to another.

› Perform a conversion

1 In Menu mode, select **Organiser** → **Convertor** → a conversion type.

2 Enter the currencies or measurements and units in the appropriate fields.

› Update exchange rates

1 In Menu mode, select **Organiser** → **Convertor** → **Currency**.

2 Press <**Options**> → **View rate**.

3 Scroll left or right to select the starting currency.

To add a new currency unit, press <**Options**> → **Add rate**.

4 Select a currency to edit.

5 Enter new exchange values and press <**Save**>.

The currency convertor may come pre-loaded with exchange rates for various major currencies. However, these rates may not be accurate at the time of use. To ensure proper currency conversion, always update the rates before performing currency conversions. Samsung is not responsible for inaccurate or incomplete currency data.

Image editor

You can edit images and apply fun effects.

❯ Apply effects to images

1 In Menu mode, select **Applications** → **Image editor**.

2 Press <**Options**> → **New image** → **Open** or **Take photo**.

3 Select an image or take a new photo.

4 Press <**Options**> → **Effects** → an effect option (filter, style, warp, or partial blur).

5 Select a variation of the effect to apply and press <**Done**>.

To apply a blur effect to a specific area of an image, move a rectangle and press <**Options**> → **Done**.

6 When you are finished, press <**Options**> → **Save as** → <**Yes**>.

7 Enter a new file name for the image and press <**Options**> → **Save**.

❯ Adjust an image

1 Open an image to edit.

2 Press <**Options**> → **Adjust** → an adjustment option (brightness, contrast, or colour).
To adjust the image automatically, select **Auto level**.

3 Adjust the image as desired and press <**Done**>.

4 Save the edited image with a new file name.

❯ Transform an image

1 Open an image to edit.

2 Press <**Options**> → **Transform** → **Resize**, **Rotate**, or **Flip**.

3 Rotate or flip the image as desired and press <**Done**>.
To resize the image, select a size and press <**Yes**>.

4 Save the edited image with a new file name.

› Crop an image

1 Open an image to edit.

2 Press <**Options**> → **Crop**.

3 Move a rectangle over the area to crop and press <**Options**> → **Done**.
To resize or reshape the rectangle, press <**Options**> → **Resize** or **Shape**.

4 Save the edited image with a new file name.

› Insert a visual feature

1 Open an image to edit.

2 Press <**Options**> → **Insert** → a visual feature type (frame, image, clip art, emoticon, or text).

3 Select a visual feature, or enter text and press <**Options**> → **Save**.

4 Move or resize the visual feature or text and press <**Options**> → **Done**.

5 Save the edited image with a new file name.

Mobile Prayer

Learn to set your prayer time with an alarm and wallpaper. You can set different alarms for each prayer time.

› Activate the mobile prayer

1 In Menu mode, select **Applications** → **Mobile prayer**.

2 Select your religion to customise the mobile prayer settings.
If you select **Islamic Salat**, select a prayer type.

3 Select a day you want.

4 Scroll left or right to **On**.

5 Set details as desired.

6 Press <**Save**>, or press <**Options**> → **Save**.

› Control the mobile prayer

When the prayer tone sounds, press <**Exit**> to stop the prayer tone and return to the previous screen.

My files

Learn to quickly and easily access all of your images, videos, music, sound clips, and other types of files stored on the phone or a memory card.

› Supported file formats

Your phone supports the following file formats:

Type	Supported format
Image	bmp, jpg, gif, png, agif
Video	mp4, 3gp
Music	mp3, aac
Sound	midi, amr

- 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.

› View a file

1 In Menu mode, select **My files** → a memory location → a file type.

2 Select a folder → a file.

- In **Images**, you can view photos you have captured and images you have downloaded or received from other sources.
- In **Videos**, you can play videos you have captured and ones you have downloaded or received from other sources.
- In **Sounds**, you can play sound files you have downloaded, and voice clips you have recorded, including voice memos and a voice for fake calls.
- In **Music**, you can play music files you have received from other sources and and sound clips you have recorded.
- In **Other files**, you can copy, move, and delete document files.

› Set an image as your wallpaper

You can set your photos or images as a background image for the idle screen.

1 In Menu mode, select **My files** → a memory location → **Images** → an image.

2 Press <**Options**> → **Set as** → **Wallpaper**.

› Set a sound clip as your ringtone

You can set any music or sound clips in the music or sound folder as ringtones for incoming calls.

1 In Menu mode, select **My files** → a memory location → **Music** or **Sounds** → a sound clip.

2 Press <**Options**> → **Set as** → a ringtone type.

Stopwatch

Learn to record the time of an event as you would with a traditional stopwatch and lap timer.

1 In Menu mode, select **Applications → Stopwatch**.
2 Press the Confirm key to begin the stopwatch.
3 Press the Confirm key to record lap times.
4 When you are finished, press <**Stop**>.
5 Press <**Reset**> to clear recorded times.

Timer

Learn to use a count-down timer that can run in the background.

1 In Menu mode, select **Applications → Timer**.
2 Press <**Set**>.
3 Set the length of time to count down and press <**OK**>.

4 Press the Confirm key to begin the countdown.
   You can now use other functions with the timer counting down in the background. Press <**Back**> and access another application.
5 When the timer expires, press <**OK**> to stop the alert.

World clock

Learn to view the time in another region and set world clocks to appear on your display.

› Create a world clock

1 In Menu mode, select **Organiser → World clock**.
2 Scroll to a time zone.
   To apply the summer time to the clock, press <**Options**> → **Apply daylight saving time**.
3 Press <**Options**> → **Save** to create your world clock.
   The world clock is set as the second clock.

› **Add a world clock to your display**

With the dual clock display, you can view clocks with two different time zones on your display.

After you have created a world clock,

1 In Menu mode, select **Settings → Display and light → Home screen**.

2 Scroll left or right to **Images**.

3 Select **Clock**.

4 Scroll left or right to **Dual**.

5 Press <**Save**>.
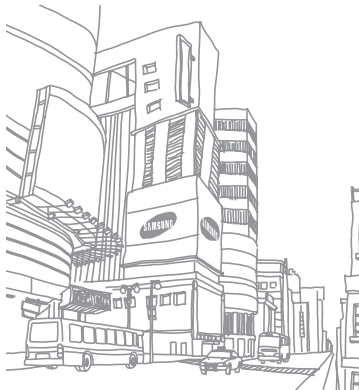
Settings

Access the Settings menu

1 In Menu mode, select **Settings**.

2 Select a setting category and select an option.

3 Customise the setting and press <**Save**> or <**Select**>.

Phone profiles

Select a sound profile to use or customise sound options in profiles as desired.

To customise a profile, scroll to a profile and press <**Options**> → **Edit**, and then customise the following sound options:

- **Call alert type**: Select how the phone will alert you to incoming calls.

- **Voice call ringtone**: Select a ringtone to use if you set the phone to alert you to incoming voice calls by playing a melody.

- **Call alert volume**: Adjust the volume level for the call ringtone.

- **Message alert type**: Select how the phone will alert you to incoming messages.

- **Message alert tone**: Select a ringtone to use if you set the phone to alert you to incoming messages by playing a melody.

- **Message alert repetition**: Set how often the phone will alert you to new messages.

- **Email alert type**: Select how the phone will alert you to incoming email.

- **Email alert tone**: Select a ringtone to use if you set the phone to alert you to incoming email by playing a melody.

- **Email alert repetition**: Set how often the phone will alert you to new email.

- **Alert tone volume**: Adjust the volume level for the alert tone.
- **Keypad tone**: Select a tone to sound when you press a key.
- **Pop-up alert tone**: Set the phone to alert you when a pop-up message appears.
- **Power-on/off type**: Select how the phone will alert you when the phone turns on or off.
- **Power-on/off tone**: Set the phone to emit a sound when the phone turns on or off.
- **Phone sound volume**: Adjust the volume level for other phone sounds.

Display and light

Access and alter the following settings to control the display and usage of the light on your phone.

- **Home screen**: Customise the idle screen with a background image, calendar, and clock.

- **My theme**: Select a colour theme for the menu screens. ► p. 22
- **Dialing display**: Customise the dialing screen.
- **Greeting message**: Edit the message that greets you when you turn on your phone.
- **LCD brightness**: Set the brightness of the display.
- **Backlight time**: Set the length of time the phone waits before turning off the display's backlight.
- **Keypad light**: Set the time for which the keypad light will be on while using the phone.

Time and date

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

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

- **AM/PM**: Select AM or PM when you select the 12 hours time format.
- **Date**: Set the current date manually.
- **Time format**: Select a time format.
- **Date format**: Select a date format.

Phone settings

Access and alter the following settings to control general settings for your phone:

- **Language**: Select a language to use on the phone's display and text input.
- **Shortcuts**: Customise the shortcut keys. ► p. 22
- **Keypad auto lock**: Set the phone to automatically lock the keypad.
- **Caller information**: Set whether or not to display or hide the caller information for incoming calls and messages.
- **My menu**: Customise the My menu mode. ► p. 20

SIM cards management

Access and alter the following settings to control the network and the card settings for your phone.

- **Network**: Activate the SIM or UIM card and select a primary network. ► p. 24
- **SIM auto switch**: Set the SIM auto switch feature. ► p. 24
- **Register card**: Change the names and icons of the SIM or UIM cards. ► p. 25
- **Help**: Access help information about SIM cards management.

Application settings

Access and alter the following settings to control your phone's applications:

› Call

Customise the settings for calling features:

- **All calls**:
  - **Show my number**: Show your mobile phone number to recipients.
  - **Auto reject**: Enable or disable the auto reject feature and specify a list of numbers to reject. ► p. 29
  - **Answering mode**: Set how to answer calls— either by pressing any key or after a specified time.
  - **Call status tones**: Activate or deactivate connection, minute minder, or call disconnect tones.
  - **Alerts on call**: Activate or deactivate an alert for new messages during a call.
  - **Int'l call prefix**: Add or manage international call prefix numbers.
- **Voice calls**:
  - **Call diverting**: Divert incoming calls to another number. ► p. 30
  - **Call waiting**: Specify options for handling an incoming call when you are already on a call. ► p. 31
  - **Call barring**: Block calls from specified numbers. ► p. 31
  - **Auto redial**: Set whether or not to automatically redial a call that was not connected.
  - **Call lock**: Block incoming or outgoing calls. ► p. 31
  - **Voice privacy**: Use the enhanced privacy mode.
  - **Emergency number**: Save emergency numbers to use when your phone is locked or the SIM or UIM card is not inserted.
- **Data calls**:
  - **Call diverting**: Divert incoming calls to another number. ► p. 30
  - **Call waiting**: Specify options for handling an incoming call when you are already on a call. ► p. 31
  - **Call barring**: Block calls from specified numbers. ► p. 31
- **Fake call**: Customise the settings for fake calls. ► p. 29

› Message

Customise the settings for messaging features.

- **Multimedia messages**:
  - **Sending options**:

    Priority: Set the priority level of your messages.
    Expiry: Set how long your messages are stored in the multimedia message server.
    Delivery time: Set a time delay before your messages are sent.
    Hide address: Set your caller ID to be hidden from outgoing messages.
    Request delivery receipt: Send a request for a delivery report along with your message to be informed when your messages are delivered.
    Request read receipt: Send a request for a read report along with your messages to be informed when your messages are read.

  - **Receiving options**:

    Home network: Set whether or not your phone automatically retrieves new messages when you are in your home service area.
    Roaming network: Set whether or not your phone automatically retrieves new messages when you are roaming on another network.
    Send read receipt: Set the network to inform the sender when you read messages.
    Send delivery receipt: Set the network to inform the sender when a message is delivered to you.
    Allow anonymous: Allow messages from unknown senders.
    Allow advertisement: Allow advertisement messages.

  - **Multimedia message profiles**: Select a connection profile to use for sending or receiving messages.
  - **Block number**: Block messages from specific numbers.

- **Message class**: Limit the multimedia message creation size. If the type of contents does not match or the content is too large, you can receive different alert messages according to the settings in Creation mode.
- **Creation mode**: Select a mode for creating multimedia messages. You can select to create messages with any type of content and of any size or to receive alert messages about content type or size.
- **Default style**: Set the default message attributes, such as font style, size, colour, and background colour.
- **Text messages**:
  - **Sending options**:
    Common:
    Keep a copy: Set whether or not to save a copy of sent messages in the sentbox.
    GSM only:
    Character support: Select a character encoding type. Using Unicode encoding will reduce the maximum number of characters in a message to about half.

Delivery report: Set the network to inform you when your messages are delivered.
Reply path: Allow recipients to reply to you through your text message server.
CDMA only:
Delivery ack: Set the network to inform you when your messages are delivered.
Priority: Set the priority level of your messages.
Deferred time: Set a time delay before your messages are sent.
- **SMS centre**: Set up SMS centres (available only on the GSM network).
- **Block number**: Block messages from specific numbers.
- **Emails**:
  - **Sending options**:
    Priority: Set the priority level of your messages.
    Send me a copy: Set whether or not to save a copy of sent messages in the server.

Settings

Request delivery receipt: Send a request for a delivery report along with your messages to be informed when your messages are delivered.

Request read receipt: Send a request for a read report along with your messages to be informed when your messages are read.

Add signature: Set whether or not to add your signature to your outgoing messages.

- **Receiving options**:

Auto polling: Set the phone to automatically connect to the server to check for new messages.

Send read receipt: Set the network to inform senders when you read messages.

Receiving option: Set to retrieve only the subject of an email or the entire email.

Delete option: Set how messages to be deleted.

Download limit: Set the maximum number of messages to download from the server.

Keep in server: Set to leave a copy of the original email on the email server.

- **Email accounts**: Set up email accounts. ► p. 36
- **Email profiles**: Select a connection profile to use for sending or receiving messages.
- **Block list**: Block messages from specific addresses or messages that contain specific subjects.
- **Mailbox setup wizard**: Initiate the wizard that helps you set up an email account.
- **Automatic deletion**: Enable or disable the automatic deletion feature and specify the time before the messages will be deleted automatically.

• **Push messages** (available only on the GSM network):

- **Receiving option**: Set whether or not to receive messages pushed from web servers.
- **Service loading operation**: Set whether or not to access the linked service web page when you open a push message.

- **Broadcast messages** (available only on the GSM network):
    - **Activation**: Activate or deactivate the broadcast message feature.
    - **Receiving channels**: Set whether to receive messages from all channels or my channels.
    - **My channels**: Select your favourite channels.
- **Voice mail number**: Enter the name and centre address for the voice mail (available only on the GSM network).

› Phonebook

Customise the settings for the phonebook.

- **Speed dial**: Set speed dial numbers. ► p. 51
- **Save new contacts to**: Set where to save new contacts.
- **Order of display name**: Set how to display contact names.
- **Own numbers**: Store and manage your own numbers.

› Calendar

Customise the settings for the calendar.

- **Starting day**: Set which day should begin the week (Sunday or Monday).
- **Default view by**: Set the default calendar view (month, week, or day).

› Internet

Select a connection profile for the web browser. ► p. 57

› Music player

Customise the settings for the music player. ► p. 46

Security

Access and alter the following settings to secure your phone and data:

Settings 77

› Phone security

- **Phone lock**: Activate or deactivate the phone lock feature to require a phone password before using the phone.
- **SIM lock**: Activate or deactivate the SIM lock feature to require a SIM password before using the phone.
- **Privacy lock**: Make various types of data private; To access private data, you must enter your phone password.
- **Change password**: Change the phone password.

› SIM security

- **SIM**
  - **Fixed Dialling mode**: Restrict outgoing calls except for the numbers stored in the Fixed Dialling Number (FDN) list.
  - **Change PIN1**: Change the PIN1 used to access SIM data.

- **Change PIN2**: Change the PIN2, which is used to protect the primary PIN.
- **PIN lock**: Activate or deactivate the PIN lock feature to require the PIN before using the device.
- **UIM**
  - **Change PIN**: Change the PIN used to access UIM data.
  - **PIN lock**: Activate or deactivate the PIN lock feature to require the PIN before using the device.

Network settings

Set the network selection method to automatic or manual.

PC connections

Set a USB mode to be activated when you connect the phone to a PC. ► p. 60

Memory settings

Access and alter the following settings to control your phone's memory use:

- **Clear phone memory**: Erase the selected data from your phone's memory.

  ⚠ This will permanently erase all selected data from the phone's memory.

- **Memory card**: Access details about your memory card and format the memory card.
- **Memory status**: Access details about your memory card.
- **Default memory**: Select the default memory location to use when transferring data, capturing images and videos, or recording voice memos.

Reset settings

Reset various settings to the factory default values. You must enter your phone password to reset the settings.
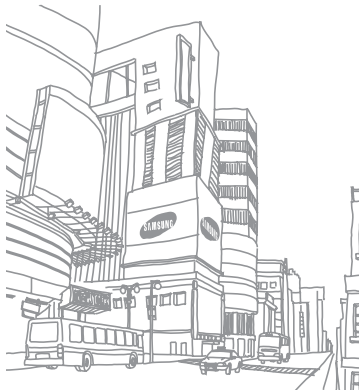
Troubleshooting

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 lock feature is enabled, you must enter the password 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 or UIM card. You can disable this feature by using the **PIN check** menu.

Code	Try this to solve the problem:
PUK	Your SIM or UIM 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 or UIM card. For details, contact your service provider.

Your phone displays "Network unavailable" or "Network error"

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

Calls are being dropped

When you are in areas with weak signals or poor reception, you may 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 right 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 right 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 may 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 may 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 ordinances 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 mobile 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 may not play on your Samsung mobile 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 you wish to connect to, if necessary.
- Ensure that your phone and the other Bluetooth device are within the maximum Bluetooth range (10 m).

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

A connection is not established when you connect the 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.
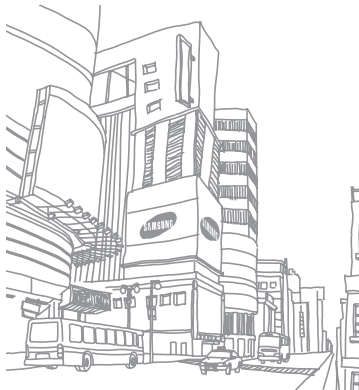
Safety precautions

To prevent injury to yourself and others or damage to your device, read all of the following information before using your device.

Warning: Prevent electric shock, fire, and explosion

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

Do not touch the power cord with wet hands, or disconnect the charger by pulling on the cord

Do not bend or damage the power cord

Do not use your device while charging or touch your device with wet hands

Do not short-circuit the charger or the battery

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

Do not charge the battery with chargers that are not approved by the manufacturer

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

For safe disposal of your Li-Ion batteries, contact your nearest authorised service centre.

Handle and dispose of batteries and chargers with care

- Use only Samsung-approved batteries and chargers specifically designed for your device. Incompatible batteries and chargers can cause serious injuries or damage to your device.
- Never dispose of batteries or devices in a fire. Follow all local regulations when disposing of used batteries or devices.
- Never place batteries or devices on or in heating devices, such as microwave ovens, stoves, or radiators. Batteries may explode when overheated.
- Never crush or puncture the battery. Avoid exposing the battery to high external pressure, which can lead to an internal short circuit and overheating.

Protect the device, batteries, and chargers from damage

- Avoid exposing your device and batteries to very cold or very hot temperatures.
- Extreme temperatures can cause the deformation of the device and reduce the charging capacity and life of your device and batteries.
- Prevent batteries from contacting metal objects, as this can create a connection between the + and – terminals of your batteries and lead to temporary or permanent battery damage.
- Never use a damaged charger or battery.

Caution: Follow all safety warnings and regulations when using your device in restricted areas

Turn off your device where prohibited

Comply with all regulations that restrict the use of a mobile device in a particular area.

Do not use your device near other electronic devices

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

Do not use your device near a pacemaker

- Avoid using your device within a 15 cm range of a pacemaker if possible, as your device can interfere with the pacemaker.
- If you must use your device, keep at least 15 cm away from the pacemaker.
- To minimise the possible interference with a pacemaker, use your device on the opposite side of your body from the pacemaker.

Do not use your device in a hospital or near medical equipment that can be interfered with by radio frequency

If you personally use any medical equipment, contact the manufacturer of the equipment to ensure the safety of your equipment from radio frequency.

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

Some hearing aids may be interfered with by the radio frequency of your device. Contact the manufacturer to ensure the safety of your hearing aid.

Turn off the device in potentially explosive environments

- Turn off your device in potentially explosive environments instead of removing the battery.
- Always comply with regulations, instructions and signs in potentially explosive environments.

- Do not use your device at refuelling points (service stations) or near fuels or chemicals.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the device, its parts, or accessories.

Turn off your device when in an aircraft

Using your device in an aircraft is illegal. Your device may interfere with the electronic navigation instruments of the aircraft.

Electronic devices in a motor vehicle may malfunction due to the radio frequency of your device

Electronic devices in your car may malfunction due to radio frequency of your device. Contact the manufacturer for more information.

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

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

- Use a hands-free device.
- Get to know your device and its convenience features, such as speed dial and redial. These features help you reduce the time needed to place or receive calls on your mobile device.
- Position your device within easy reach. Be able to access your wireless device without removing your eyes from the road. If you receive an incoming call at an inconvenient time, let your voice mail answer it for you.
- Let the person you are speaking with know you are driving. Suspend calls in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice, and heavy traffic can be hazardous.
- Do not take notes or look up phone numbers. Jotting down a "to do" list or flipping through your address book takes attention away from your primary responsibility of driving safely.
- Dial sensibly and assess the traffic. Place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call, dial only a few numbers, check the road and your mirrors, then continue.
- Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking with aware you are driving and suspend conversations that have the potential to divert your attention from the road.

- Use your device to call for help. Dial a local emergency number in the case of fire, traffic accident, or medical emergencies.
- Use your device to help others in emergencies. If you see an auto accident, a crime in progress, or a serious emergency where lives are in danger, call a local emergency number.
- Call roadside assistance or a special, non-emergency assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or another special, non-emergency number.

Proper care and use of your mobile device

Keep your device dry
- Humidity and all types of liquids may damage device parts or electronic circuits.
- When wet, remove the battery without turning on your device. Dry your device with a towel and take it to a service centre.
- Liquids will change the colour of the label that indicates water damage inside the device. Water damage to your device can void your manufacturer's warranty.

Do not use or store your device in dusty, dirty areas
Dust can cause your device to malfunction.

Do not store your device on slopes
If your device falls, it can be damaged.

Do not store your device in hot or cold areas. Use your device at -20° C to 50° C
- Your device can explode if left inside a closed vehicle, as the inside temperature can reach up to 80° C.
- Do not expose your device to direct sunlight for extended periods of time (such as on the dashboard of a car).
- Store the battery at 0° C to 40° C.

Do not store your device with such metal objects as coins, keys and necklaces
- Your device may become deformed or malfunction.
- If the battery terminals are in contact with metal objects, it may cause a fire.

Do not store your device near magnetic fields
- Your device may malfunction or the battery may discharge from exposure to magnetic fields.

- Magnetic stripe cards, including credit cards, phone cards, passbooks, and boarding passes, may be damaged by magnetic fields.
- Do not use carrying cases or accessories with magnetic closures or allow your device to come in contact with magnetic fields for extended periods of time.

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

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

Do not drop your device or cause impacts to your device

- The screen of your device may be damaged.
- If bent or deformed, your device may be damaged or parts may malfunction.

Do not use a flash close to the eyes of people or animals

Using a flash close to the eyes may cause temporary loss of vision or damage to the eyes.

Ensure maximum battery and charger life

- Avoid charging batteries for more than a week, as overcharging may shorten battery life.

- Over time, unused batteries will discharge and must be recharged before use.
- Disconnect chargers from power sources when not in use.
- Use batteries only for their intended purposes.

Use manufacturer-approved batteries, chargers, accessories and supplies

- Using generic batteries or chargers may shorten the life of your device or cause the device to malfunction.
- Samsung cannot be responsible for the user's safety when using accessories or supplies that are not approved by Samsung.

Do not bite or suck on the device or the battery

- Doing so may damage the device or cause explosion.
- If children use the device, make sure that they use the device properly.

When speaking on the device:

- Hold the device upright, as you would with a traditional phone.
- Speak directly into the mouthpiece.
- Avoid contact with your device's internal antenna. Touching the antenna may reduce the call quality or cause the device to transmit more radio frequency than necessary.

- Hold the device with a relaxed grip, press the keys lightly, use special features that reduce the number of keys you have to press (such as templates and predictive text), and take frequent breaks.

Protect your hearing

- Excessive exposure to loud sounds can cause hearing damage.
- Exposure to loud sounds while driving may distract your attention and cause an accident.
- Always turn the volume down before plugging the earphones into an audio source and use only the minimum volume setting necessary to hear your conversation or music.

Use caution when using the device while walking or moving

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

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

You can be injured or damage the device if you fall.

Do not disassemble, modify, or repair your device

- Any changes or modifications to your device can void your manufacturer's warranty. For service, take your device to a Samsung Service Centre.
- Do not disassemble or puncture the battery, as this can cause explosion or fire.

Do not paint your device

Paint can clog moving parts and prevent proper operation. If you are allergic to the paint or metal parts of the device, stop using the device and consult your physician.

When cleaning your device:

- Wipe your device or charger with a towel or a rubber.
- Clean the terminals of the battery with a cotton ball or a towel.
- Do not use chemicals or detergents.

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

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

Do not use the device for anything other than its intended use

Avoid disturbing others when using the device in public

Do not allow children to use your device

Your device is not a toy. Do not allow children to play with it as they could hurt themselves and others, damage the device, or make calls that increase your charges.

Install mobile devices and equipment with caution

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

Allow only qualified personnel to service your device

Allowing unqualified personnel to service your device may result in damage to your device and will void your manufacturer's warranty.

Handle SIM and UIM cards or memory cards with care

- Do not remove a card while the device is transferring or accessing information, as this could result in loss of data and/or damage to the card or device.

- Protect cards from strong shocks, static electricity, and electrical noise from other devices.
- Do not touch gold-coloured contacts or terminals with your fingers or metal objects. If dirty, wipe the card with a soft cloth.

Ensure access to emergency services

Emergency calls from your device may not be possible in some areas or circumstances. Before travelling in remote or undeveloped areas, plan an alternate method of contacting emergency services personnel.

Specific Absorption Rate (SAR) certification information

Your phone conforms to U.S. Federal Communications Commission (FCC) standards that limit human exposure to radio frequency (RF) energy emitted by radio and telecommunications equipment. These standards prevent the sale of mobile phone that exceed a maximum exposure level (known as the Specific Absorption Rate, or SAR) of 1.6 W/kg.

In normal use, the actual SAR is likely to be much lower, as the phone has been designed to emit only the RF energy necessary to transmit a signal to the nearest base station. By automatically emitting lower levels when possible, your phone reduces your overall exposure to RF energy.

Safety precautions

The FCC has granted an Equipment Authorization for this model phone based on the compliance of all reported SAR levels with the FCC RF exposure guidelines. The authorisation can be found on the FCC Office of Engineering and Technology website at http://www.fcc.gov/oet/ea.

Correct disposal of this product

(Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life.

To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

This EEE is compliant with RoHS.

Correct disposal of batteries in this product

(Applicable in the European Union and other European countries with separate battery return systems)

This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.

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Some of the contents in this manual may differ from your phone depending on the software of the phone or your service provider.

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