



# Nokia 105

# User Guide

# About this user guide



**Important:** For important information on the safe use of your device and battery, read “For your safety” and “Product Safety” info in the printed user guide, or at [www.nokia.com/support](http://www.nokia.com/support) before you take the device into use. To find out how to get started with your new device, read the printed user guide.

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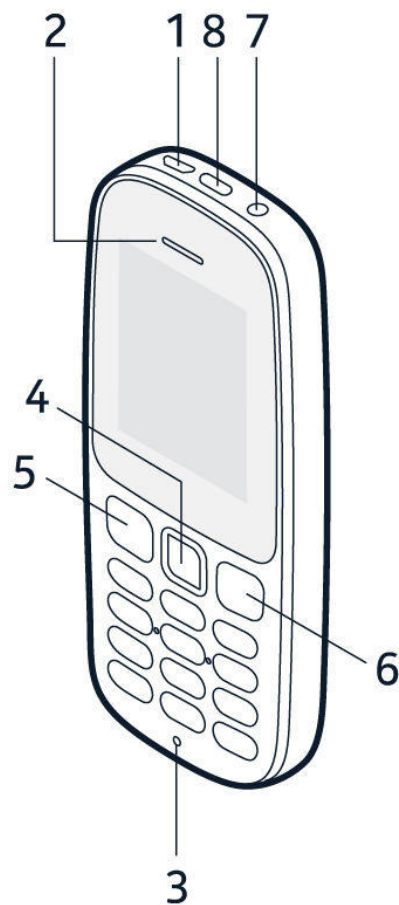
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# Get started

## Keys and parts

Explore the keys and parts of your new phone.

### YOUR PHONE



The keys and parts of your phone are:

- |                      |                                     |
|----------------------|-------------------------------------|
| 1. Charger connector | 5. Function key, call key           |
| 2. Earpiece          | 6. Function key, end call/power key |
| 3. Microphone        | 7. Headphone connector              |
| 4. Selection key     | 8. Flashlight                       |

To lock the keys, select **Go to** > **Lock keypad**.

To unlock the keys, quickly press , and select **Unlock**.

To quickly switch the flash light on, in the idle screen, press the scroll key up twice. To switch the light off, press the scroll key up once more. Do not shine the light in anyone's eyes.

Avoid touching the antenna area while the antenna is in use. Contact with antennas affects the communication quality and may reduce battery life due to higher power level during operation.

Do not connect to products that create an output signal, as this may damage the device. Do not connect any voltage source to the audio connector. If you connect an external device or headset, other than those approved for use with this device, to the audio connector, pay special attention to volume levels. Parts of the device are magnetic. Metallic materials may be attracted to the device. Do not place credit cards or other magnetic storage media near the device, because info stored on them may be erased.

Some of the accessories mentioned in this user guide, such as charger, headset, or data cable, may be sold separately.



**Note:** You can set the phone to ask for a security code. The pre-set code is 12345. Change it to protect your privacy and personal data. Note, however, that when you change the code, you need to remember the new code, as HMD Global is not able to open or bypass it.

## Set up and switch on your phone

Learn how to insert the SIM card, memory card, and battery, and how to switch on your phone.



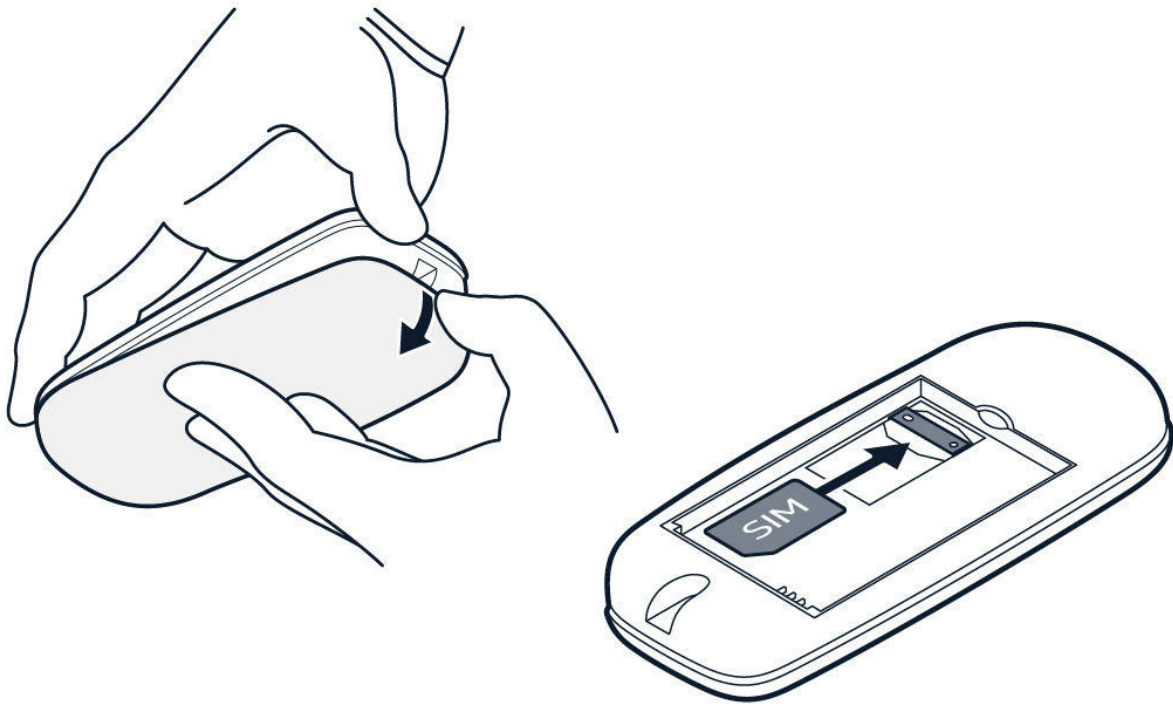
## MINI SIM

**Important:** This device is designed to be used with a mini SIM card (see figure) only. Use of incompatible SIM cards may damage the card or the device, and may corrupt data stored on the card. Please consult your mobile operator for the use of a SIM card that has a micro-UICC cutout.



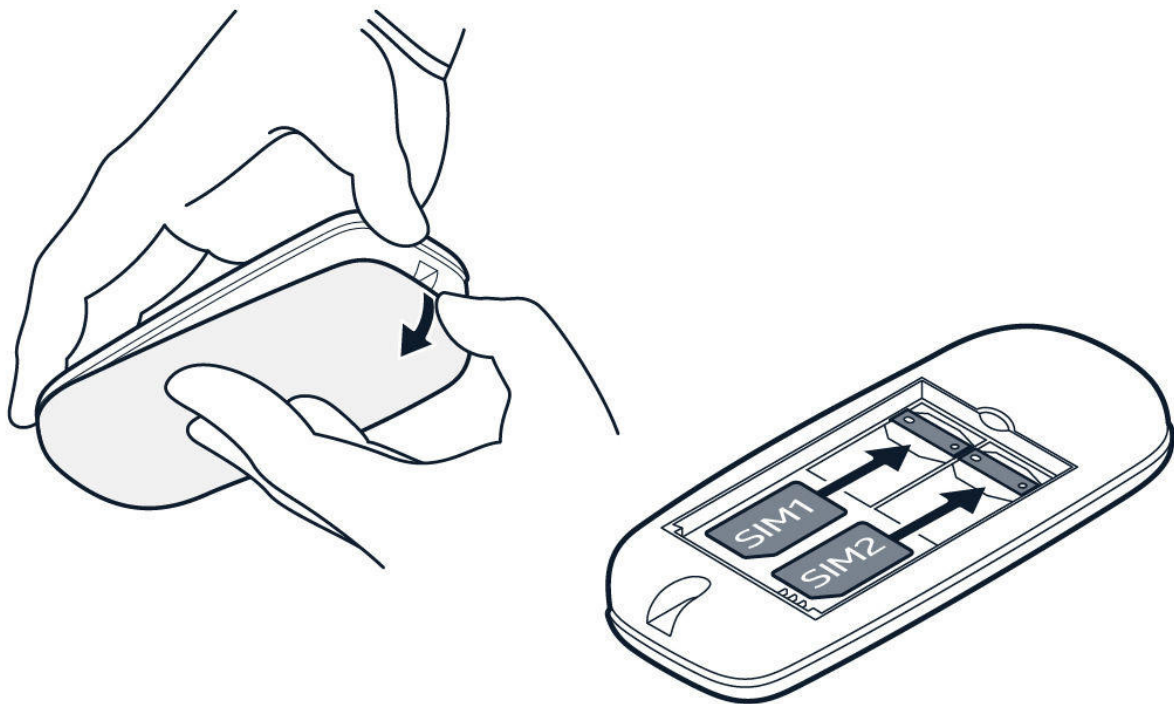
**Note:** Switch the device off and disconnect the charger and any other device before removing any covers. Avoid touching electronic components while changing any covers. Always store and use the device with any covers attached.

## SET UP YOUR PHONE (SINGLE SIM)



1. Place your fingernail in the small slot at the bottom of the phone, lift and remove the cover.
2. If the battery is in the phone, lift it out.
3. Slide the SIM into the SIM slot with the contact area face down.
4. Line up the battery contacts, and put the battery in.
5. Replace the back cover.

## SET UP YOUR PHONE (DUAL SIM)



1. Place your fingernail in the small slot at the bottom of the phone, lift and remove the cover.
2. If the battery is in the phone, lift it out.
3. Slide the first SIM into SIM slot 1 with the contact area face down. Slide the second SIM into SIM slot 2. Both SIM cards are available at the same time when the device is not being used, but while one SIM card is active, for example, making a call, the other may be unavailable.
4. Line up the battery contacts, and put the battery in.
5. Replace the back cover.

## SWITCH ON YOUR PHONE

Press and hold the  key.

## REMOVE THE SIM CARD

Open the back cover, remove the battery, and slide the SIM out.

## Charge your phone

Your battery has been partially charged at the factory, but you may need to recharge it before you can use your phone.

### CHARGE THE BATTERY

1. Plug the charger into a wall outlet.
2. Connect the charger to the phone. When done, unplug the charger from the phone, then from the wall outlet.

If the battery is completely discharged, it may take several minutes before the charging indicator is displayed.



**Tip:** You can use USB charging when a wall outlet is not available. Data can be transferred while charging the device. The efficiency of USB charging power varies significantly, and it may take a long time for charging to start and the device to start functioning. Make sure your computer is switched on.

## Lock or unlock the keys

### LOCK THE KEYPAD

To avoid accidentally pressing the keys, use keypad lock. Select **Go to** > **Lock keypad**.

### UNLOCK THE KEYPAD

Press , and select **Unlock**.

# Basics

## Get the most out of the two SIM cards

Your phone can use two SIM cards, and you can use them for different purposes.

### **SELECT WHICH SIM CARD TO USE**

1. Select **Menu** >  > **Dual SIM settings**.
2. To choose which SIM to use for calls, select **Default SIM for calls**, and select **Ask every time**, or **SIM1**, or **SIM2**.
3. To choose which SIM to use for messages, select **Default SIM for msgs**, and select **Ask every time**, or **SIM1**, or **SIM2**.

You can set which SIM you want to use in standby mode, too, and assign a name to both SIMs.

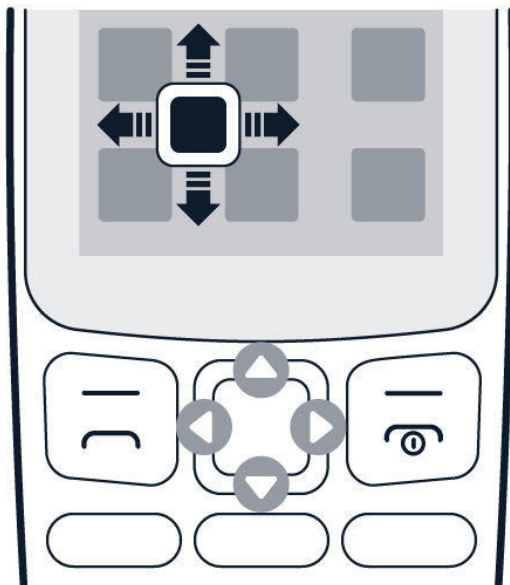
## Explore your phone

### SEE THE APPS AND FEATURES OF YOUR PHONE



Select **Menu** .

## GO TO AN APP OR FEATURE



Press the scroll key up, down, left, or right.

## OPEN AN APP OR SELECT A FEATURE



Select **Choose** .

## GO BACK TO THE PREVIOUS VIEW



Select **Back**.

## GO BACK TO THE HOME SCREEN



Press the end key.

## SWITCH ON THE FLASHLIGHT



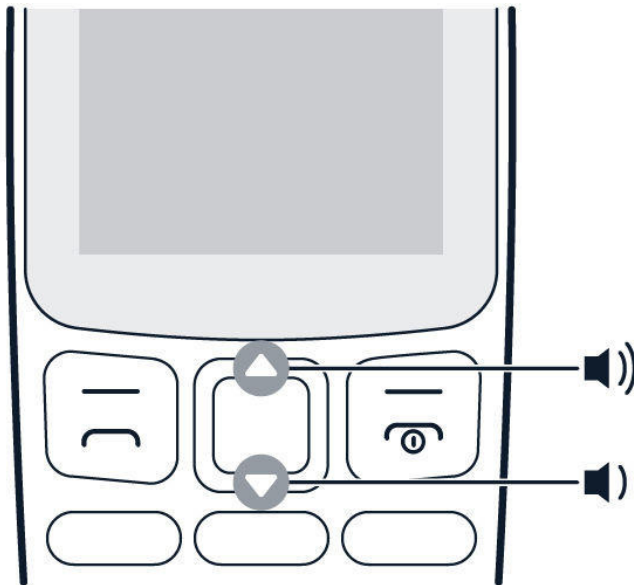
On the idle screen, quickly scroll up twice to switch on the flashlight.

To switch off the flashlight, scroll up once.

Do not shine the light in anyone's eyes.

## Change the volume

### TURN THE VOLUME UP OR DOWN



Trouble hearing your phone ringing in noisy environments, or calls too loud? You can change the volume to your liking.

Scroll up or down to change the volume during a call or when listening to the radio.

## Change your ring or message tone

You can choose a new ringtone or message tone.

### CHANGE YOUR RINGTONE

1. Select **Menu** > **Settings** > **Tone settings**.
2. Choose **Ringtone**.
3. Scroll to a ringtone.
4. Press **OK**.



**Tip:** Is your ringtone too loud or too silent? Select **Ringtone volume** and scroll left or right.

## CHANGE YOUR MESSAGE TONES

1. Select **Menu** > **⚙️** > **Tone settings**.
2. Scroll to a **Message alert tone**.
3. Select the tone you want to use and select **OK**.

## Change the wallpaper

### CHOOSE A NEW WALLPAPER

You can change the background of your home screen with **Wallpaper** setting.

1. Select **Menu** > **⚙️** > **Display settings** > **Wallpaper**.
2. Select the wallpaper, and then the option to position the wallpaper on the screen.

## Write text

### WRITE USING THE KEYPAD

Writing with the keypad is easy and fun.

Press a key repeatedly until the letter is shown.

To type in a space press **0**.

To type in a special character or punctuation mark, press **\***.

To switch between character cases, press **#** repeatedly.

To type in a number, press and hold a number key.

## USE PREDICTIVE TEXT

To speed up your writing, your phone can guess what you are starting to write. Predictive text is based on a built-in dictionary. This feature is not available for all languages.

1. Select **Options** > **Predictive text** and the language.
2. Start writing a word. When the word you want is shown, press **0**.

To change a word, press **\*** repeatedly until the word you want is shown.

If the word you want isn't in the dictionary, write the word, press **\*** repeatedly to skip all unwanted words, select **Spell**, and write the word. The word is added to the dictionary.

To switch between predictive and traditional text, press **#** repeatedly.

To switch predictive text off, select **Options** > **Predictive text** > **Prediction off**.

# Calls, contacts, and messages

## Calls

### MAKE A CALL

Learn how to make a call with your new phone.

1. Type in the phone number. To type in the + character, used for international calls, press \* twice.
2. Press . If asked, select which SIM to use.
3. To end the call, press .

### ANSWER A CALL

Press .



**Tip:** If you are in a situation where you cannot answer the phone and you need to silence it quickly, select **Silence**.

## Contacts

### ADD A CONTACT

Save and organize your friends' phone numbers.

1. Select **Menu** >  > **Add contact**.
2. Select where you want to save it, on **Phone** or **SIM card**.
3. Write the name, and type in the number.
4. Select **OK**.



**Tip:** To save a phone number in the dialer, type in the number, and select **Opt.** > **Save**.

## SAVE A CONTACT FROM CALL LOG

You can save contacts from call log.

1. Select **Menu** >  > **Received** or **Missed**, depending on from where you want to save the contact.
2. Highlight the number you want to save, and select **Options** > **Save**.
3. Add the contact's name and **Save**.

## CALL A CONTACT

You can call a contact directly from the contacts list.

1. Select **Menu** >  > **Names** and scroll to a contact you want to call.
2. Select the contact and press the call key.

## Send and receive messages

### WRITE AND SEND MESSAGES

1. Select **Menu** >  > **Create message**.
2. Write a message on the message field.
3. Select **Opt.** > **Send**, to add a recipient. You can enter a phone number or add a recipient by selecting **Search** to open **Contacts**.
4. Select **Send**.

### WRITING OPTIONS

You can find different options for writing a message, in **Options** when you are in the message field. You can, for example, insert symbols, and save or discard messages.

You can also turn on the predictive text (dictionary) from **Options**.

## MESSAGE OPTIONS

When you have received messages in your phone, open a message and select **Options**.

Scroll to **Use number**, and select **Opt.** > **Call** to call the sender. You can delete conversations, and add the sender to a screened list.

# Personalize your phone

## Change your ring or message tone

You can choose a new ringtone or message tone.

### CHANGE YOUR RINGTONE

1. Select **Menu** > **⚙️** > **Tone settings**.
2. Choose **Ringing tone**.
3. Scroll to a ringtone.
4. Press **OK**.



**Tip:** Is your ringtone too loud or too silent? Select **Ringtone volume** and scroll left or right.

### CHANGE YOUR MESSAGE TONES

1. Select **Menu** > **⚙️** > **Tone settings**.
2. Scroll to a **Message alert tone**.
3. Select the tone you want to use and select **OK**.

## Change the look of your home screen

Change the look of your home screen with display settings.

### CHOOSE A NEW WALLPAPER

You can change the background of your home screen with **Wallpaper** setting.

1. Select **Menu** > **⚙️** > **Display settings** > **Wallpaper**.
2. Select the wallpaper, and then the option to position the wallpaper on the screen.

## SHOW DATE AND TIME

You can choose if you want to see date and time on the home screen of your phone.

1. Select **Menu** >  > **Time settings** > **Display of time and date** .
2. Select **Show clock** to have them visible on the home screen.

If you want your phone to have time updated automatically, set **Auto-update of date and time** to **On** .

## OTHER DISPLAY SETTINGS

You can edit other display settings too. You can set them on or off and change their features, such as time-out and intensity.

## Profiles

Your phone has different profiles for different situations. You can edit the profiles to your liking.

## PERSONALIZE PROFILES

There are several profiles that you can use in different situations. There is, for example, a silent profile for when you cannot have sounds on, and an outdoor profile with loud tones.

You can personalize profiles further.

1. Select **Menu** >  > **Profiles** .
2. Select a profile and **Personalise** .

For each profile you can set a specific ringtone, ringtone volume, message sounds and so on.



**Tip:** You can add different profiles to **Go to** menu for quick access.

## Settings for Go to

You can add quick links to different applications and settings to **Go to**.

### EDIT GO TO SETTINGS

On the bottom left-hand corner you have **Go to**, and when you select it, you can access different applications and settings. You can change the applications and settings to your liking.

1. Select **Menu** >  > **Go to settings**.
2. Select **Choose options**.
3. Scroll to a shortcut you want to add on the **Go to** list on the home screen and **Mark** them.
4. Select **Done** to exit the list, and **Yes** to save changes.

You can also reorganize your **Go to** list.

1. Select **Organise**.
2. Scroll to an item you want to move and select **Move**.
3. Select if you want to move it up, down, to top, or to bottom of the list.
4. Select **Back** to exit the list, and **Yes** to save changes.

# Radio

## Find and save radio stations

Connect a compatible headset. It acts as an antenna.

### SEARCH FOR YOUR FAVORITE RADIO STATIONS

1. Select **Menu** > .
2. To search for all available stations select **Options** > **Auto tuning**.
3. To switch to a saved station, scroll up or down.



**Tip:** To switch to a saved station, you can also press a number key.



**Tip:** To rename station, select the station and **Options** > **Rename**.

## Listen to radio

Did you find a good radio station? Next, start listening to it!

### LISTEN TO YOUR FAVORITE RADIO STATIONS ON YOUR PHONE

Select **Menu** > .

To change the volume, scroll left or right.

To close the radio, select **Stop**.

# Clock, calendar, and calculator

## Set the time and date manually

You can set your phone clock manually.

### CHANGE THE TIME AND DATE

1. Select **Menu** >  > **Time settings**.
2. Switch **Auto-update of date and time** to **Off**.
3. To set the time, scroll down, and select **Clock**. Use the scroll key to set the time, and select **OK**.
4. To set the date, scroll down, and select **Date setting**. Use the scroll key to set the date, and select **OK**.

## Alarm clock

Learn how to use the alarm clock to wake up and get to places on time.

### SET AN ALARM

No clock around? Use your phone as an alarm clock.

1. Select **Menu** >  > **Set alarms**.
2. Select an alarm.
3. To set the hour, scroll up or down. To set the minutes, scroll right and then up or down.
4. Select **OK**.

## Calendar

Need to remember an event? Add it to your calendar.

### ADD A CALENDAR REMINDER

1. Select **Menu** > .
2. Select a date and **Options** > **Add reminder**.
3. Type in a name for the event, and select **OK**.
4. To set an alarm, select **Alarm on**. To set the hour, scroll up or down. To set the minutes, scroll right and then up or down.
5. Select **OK**.

## Calculator

Learn how to add, subtract, multiply and divide with your phone calculator.

### HOW TO CALCULATE

1. Select **Menu** > .
2. Enter the first factor of your calculation, use the scroll key to select the operation, and enter the second factor.
3. Select **Equals** to get the result of the calculation.

Select **Clear** to empty the number fields.

# Copy and remove content

## Remove private content from your phone

If you buy a new phone, or otherwise want to dispose of or recycle your phone, here's how you can remove your personal info and content. Note that it is your responsibility to remove all private content.

### REMOVE CONTENT FROM YOUR PHONE

When removing private content from your phone, pay attention to whether you are removing content from the phone memory or the SIM card.

1. To remove messages, select **Menu** >  > **Delete messages**. Select from the available options the messages you want to delete.
2. To remove contacts, select **Menu** >  > **Delete**, and select if you want to delete contacts **One by one** or **Delete all**.
3. To remove your call info, select **Menu** >  > **Delete recent call lists**, and select **All**.
4. Check that all your personal content has been removed.

# Settings

## Call settings

You can change the call settings of your phone.

### AVAILABLE CALL SETTINGS

You can edit call settings depending on a setting. You can set them to be either on or off, and check the status of the setting.

You can add phone numbers to lists to be screened or blocked in call settings.

1. Select **Menu** >  > **Call settings**.
2. Select a setting you want to change.

## Phone settings

You can change your phone settings.

### AVAILABLE PHONE SETTINGS

You can edit phone settings depending on a setting. You can change the language of your phone, set keyguard to be on or off, and add a welcome note.

## Enhancements

You can edit the enhancement settings.

## ENHANCEMENT SETTINGS

Select the available accessory and edit its available settings.

## Security settings

You can edit the available security settings.

### AVAILABLE SECURITY SETTINGS

You can edit the security settings depending on a setting. You can set them to be either on or off, and check the status of the setting.

You can add phone numbers to a list to be blocked and create a closed user group.

1. Select **Menu** >  > **Security settings** > **Change access codes**.
2. Select the code you want to change, for example, **Change security code** or **Change PIN code**.

You need to have the current codes in hand to be able to change them.

## Restore factory settings

You can restore factory settings in this setting. Be careful, however, since you lose all personalization and all data you have added on the phone.

### RESET YOUR PHONE

Accidents may happen and your phone may stop responding. You can restore the original factory settings, but be careful, since this reset removes all data you have saved in the phone memory and all your personalization.

If you are disposing your phone, note that you are responsible of removing all private content.

You need the have the security code to restore the original settings. To reset your phone to its original settings and to remove all your data, on the home screen, type in \*#7370#.

1. Select **Menu** >  > **Rest. factory settings** .
2. Enter the security code. There is no more confirmation after you select **OK** , but the phone is reset and all data is removed.

## Message settings

You can edit the message settings.

### MESSAGE SETTINGS

Select **Menu** >  > **Message settings** .

You can switch on or off settings, such as info service and delivery reports.

# Product and safety information

## For your safety

Read these simple guidelines. Not following them may be dangerous or against local laws and regulations. For further info, read the complete user guide.



### **SWITCH OFF IN RESTRICTED AREAS**

Switch the device off when mobile phone use is not allowed or when it may cause interference or danger, for example, in aircraft, in hospitals or near medical equipment, fuel, chemicals, or blasting areas. Obey all instructions in restricted areas.



### **ROAD SAFETY COMES FIRST**

Obey all local laws. Always keep your hands free to operate the vehicle while driving. Your first consideration while driving should be road safety.



## **INTERFERENCE**

All wireless devices may be susceptible to interference, which could affect performance.



## **QUALIFIED SERVICE**

Only qualified personnel may install or repair this product.



## **BATTERIES, CHARGERS, AND OTHER ACCESSORIES**

Use only batteries, chargers, and other accessories approved by HMD Global Oy for use with this device. Do not connect incompatible products.



## **KEEP YOUR DEVICE DRY**

If your device is not water-resistant, keep it dry.



## **PROTECT YOUR HEARING**

To prevent possible hearing damage, do not listen at high volume levels for long periods. Exercise caution when holding your device near your ear while the loudspeaker is in use.



## **SAR**

This device meets RF exposure guidelines when used either in the normal use position against the ear or when positioned at least 0.2 inches (5 mm) away from the body. The specific maximum SAR values can be found in the Certification Information (SAR) section of this user guide. For more info, go to [www.sar-tick.com](http://www.sar-tick.com).

When a carry case, belt clip or other form of device holder is used for body-worn operation, it should not contain metal and should provide at least the above-stated separation distance from the body. Note that mobile devices may be transmitting even if you are not making a voice call.

## Network services and costs

Using some features and services, or downloading content, including free items, require a network connection. This may cause the transfer of large amounts of data, which may result in data costs. You may also need to subscribe to some features.

You can only use your device on the GSM 900/1800 networks. You need a subscription with a service provider.

## Emergency calls



**Important:** Connections in all conditions cannot be guaranteed. Never rely solely on any wireless phone for essential communications like medical emergencies.

Before making the call:

- Switch the phone on.
- If the phone screen and keys are locked, unlock them.
- Move to a place with adequate signal strength.

1. Press the end key repeatedly, until the home screen is shown.
2. Type in the official emergency number for your present location. Emergency call numbers vary by location.
3. Press the call key.
4. Give the necessary info as accurately as possible. Do not end the call until given permission to do so.

You may also need to do the following:

- Put a SIM card in the phone.
- If your phone asks for a PIN code, type in the official emergency number for your present location, and press the call key.
- Switch the call restrictions off in your phone, such as call barring, fixed dialling, or closed user group.

## Take care of your device

Handle your device, battery, charger and accessories with care. The following suggestions help you keep your device operational.

- Keep the device dry. Precipitation, humidity, and all types of liquids or moisture can contain minerals that corrode electronic circuits.
- Do not use or store the device in dusty or dirty areas.
- Do not store the device in high temperatures. High temperatures may damage the device or battery.
- Do not store the device in cold temperatures. When the device warms to its normal temperature, moisture can form inside the device and damage it.
- Do not open the device other than as instructed in the user guide.
- Unauthorized modifications may damage the device and violate regulations governing radio devices.
- Do not drop, knock, or shake the device or the battery. Rough handling can break it.
- Only use a soft, clean, dry cloth to clean the surface of the device.
- Do not paint the device. Paint can prevent proper operation.
- Keep the device away from magnets or magnetic fields.
- To keep your important data safe, store it in at least two separate places, such as your device, memory card, or computer, or write down important info.

During extended operation, the device may feel warm. In most cases, this is normal. To avoid getting too warm, the device may automatically slow down, close apps, switch off charging, and if necessary, switch itself off. If the device is not working properly, take it to the nearest authorised service facility.

## Recycle



Always return your used electronic products, batteries, and packaging materials to dedicated collection points. This way you help prevent uncontrolled waste disposal and promote the recycling of materials. Electrical and electronic products contain a lot of valuable materials, including metals (such as copper, aluminum, steel, and magnesium) and precious metals (such as gold, silver, and palladium). All materials of the device can be recovered as materials and energy.

## Crossed-out wheelie bin symbol



### **CROSSED-OUT WHEELIE BIN SYMBOL**

The crossed-out wheelie bin symbol on your product, battery, literature, or packaging reminds you that all electrical and electronic products and batteries must be taken to separate collection at the end of their working life. Do not dispose of these products as unsorted municipal waste: take them for recycling. For info on your nearest recycling point, check with your local waste authority.

## Battery and charger information

### **BATTERY AND CHARGER**

Use your device only with an original BL-5CB rechargeable battery.

Charge your device with AC-18 charger. Charger plug type may vary.

HMD Global may make additional battery or charger models available for this device.

## BATTERY AND CHARGER SAFETY INFO

To unplug a charger or an accessory, hold and pull the plug, not the cord.

When your charger is not in use, unplug it. If left unused, a fully charged battery will lose its charge over time.

Always keep the battery between 59°F and 77°F (15°C and 25°C) for optimal performance. Extreme temperatures reduce the capacity and lifetime of the battery. A device with a hot or cold battery may not work temporarily. Accidental short-circuiting can happen when a metallic object touches the metal strips on the battery. This may damage the battery or the other object.

Do not dispose of batteries in a fire as they may explode. Obey local regulations. Recycle when possible. Do not dispose as household waste.

Do not dismantle, cut, crush, bend, puncture, or otherwise damage the battery in any way. If a battery leaks, do not let liquid touch skin or eyes. If this happens, immediately flush the affected areas with water, or seek medical help. Do not modify, attempt to insert foreign objects into the battery, or immerse or expose it to water or other liquids. Batteries may explode if damaged.

Use the battery and charger for their intended purposes only. Improper use, or use of unapproved or incompatible batteries or chargers may present a risk of fire, explosion, or other hazard, and may invalidate any approval or warranty. If you believe the battery or charger is damaged, take it to a service centre or your phone dealer before continuing to use it. Never use a damaged battery or charger. Only use the charger indoors. Do not charge your device during a lightning storm.

## Small children

Your device and its accessories are not toys. They may contain small parts. Keep them out of the reach of small children.

## Medical devices

Operation of radio transmitting equipment, including wireless phones, may interfere with inadequately shielded medical devices' function. Consult a physician or the medical device's manufacturer to determine if it is adequately shielded from external radio energy.

## Implanted medical devices

To avoid potential interference, manufacturers of implanted medical devices recommend a minimum separation of 15.3 centimeters (6 inches) between a wireless device and the medical device. Persons who have such devices should:

- Always keep the wireless device more than 15.3 centimeters (6 inches) from the medical device.
- Not carry the wireless device in a breast pocket.
- Hold the wireless device to the ear opposite the medical device.
- Switch the wireless device off if there is any reason to suspect that interference is taking place.
- Follow the manufacturer directions for the implanted medical device.

If you have any questions about using your wireless device with an implanted medical device, consult your health care provider.

## Hearing



**Warning:** When you use the headset, your ability to hear outside sounds may be affected. Do not use the headset where it can endanger your safety.

Some wireless devices may interfere with some hearing aids.

## Protect your device from harmful content

Your device may be exposed to viruses and other harmful content. Take the following precautions:

- Be cautious when opening messages. They may contain malicious software or otherwise be harmful to your device or computer.
- Be cautious when accepting connectivity requests, browsing the internet, or downloading content. Do not accept Bluetooth connections from sources you do not trust.
- Only install and use services and software from sources that you trust and that offer adequate security and protection.
- Install antivirus and other security software on your device and any connected computer. Only use one antivirus app at a time. Using more may affect performance and operation of the device and/or computer.
- If you access preinstalled bookmarks and links to third party internet sites, take the appropriate precautions. HMD Global does not endorse or assume liability for such sites.

## Vehicles

Radio signals may affect improperly installed or inadequately shielded electronic systems in vehicles. For more info, check with the manufacturer of your vehicle or its equipment.

Only qualified personnel should install the device in a vehicle. Faulty installation may be dangerous and invalidate your warranty. Check regularly that all wireless device equipment in your vehicle is mounted and operating properly. Do not store or carry flammable or explosive materials in the same compartment as the device, its parts, or accessories. Do not place your device or accessories in the air bag deployment area.

## Potentially explosive environments

Switch your device off in potentially explosive environments, such as near gasoline pumps. Sparks may cause an explosion or fire resulting in injury or death. Note restrictions in areas with fuel; chemical plants; or where blasting operations are in progress. Areas with a potentially explosive environment may not be clearly marked. These usually are areas where you are advised to switch your engine off, below deck on boats, chemical transfer or storage facilities, and where the air contains chemicals or particles. Check with the manufacturers of vehicles using liquefied petroleum gas (such as propane or butane) if this device can be safely used in their vicinity.

## Certification information (SAR)

### **This mobile device meets guidelines for exposure to radio waves.**

Your mobile device is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves (radio frequency electromagnetic fields), recommended by international guidelines from the independent scientific organization ICNIRP. These guidelines incorporate substantial safety margins that are intended to assure the protection of all persons regardless of age and health. The exposure guidelines are based on the Specific Absorption Rate (SAR), which is an expression of the amount of radio frequency (RF) power deposited in the head or body when the device is transmitting. The ICNIRP SAR limit for mobile devices is 2.0 W/kg averaged over 10 grams of tissue.

SAR tests are carried out with the device in standard operating positions, transmitting at its highest certified power level, in all its frequency bands.

This device meets RF exposure guidelines when used against the head or when positioned at least 5/8 inch (1.5 centimetres) away from the body. When a carry case, belt clip or other form of device holder is used for body-worn operation, it should not contain metal and should provide at least the above stated separation distance from the body.

To send data or messages, a good connection to the network is needed. Sending may be delayed until such a connection is available. Follow the separation distance instructions until the sending is finished.

During general use, the SAR values are usually well below the values stated above. This is because, for purposes of system efficiency and to minimise interference on the network, the operating power of your mobile is automatically decreased when full power is not needed for the call. The lower the power output, the lower the SAR value.

Device models may have different versions and more than one value. Component and design changes may occur over time and some changes could affect SAR values.

For more info, go to [www.sar-tick.com](http://www.sar-tick.com). Note that mobile devices may be transmitting even if you are not making a voice call.

The World Health Organization (WHO) has stated that current scientific information does not indicate the need for any special precautions when using mobile devices. If you are interested in reducing your exposure, they recommend you limit your usage or use a hands-free kit to keep the device away from your head and body. For more information and explanations and discussions on RF exposure, go to the WHO website at [www.who.int/peh-emf/en](http://www.who.int/peh-emf/en).

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The availability of products, features, apps and services may vary by region. For more info, contact your dealer or your service provider.

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