
User Guide

Nokia 310

NOKIA

Issue 1.0 EN

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Get started

Your dual SIM phone

You can have two SIM cards in your phone.

Some benefits of a dual SIM phone

- Have two phone numbers, but carry one phone – use a work and personal SIM at the same time.
- It doesn't matter which number people call – both SIMs are active.
- Save money – use the best network service provider for a situation.
- Stay in touch – avoid differences in network coverage between service providers.

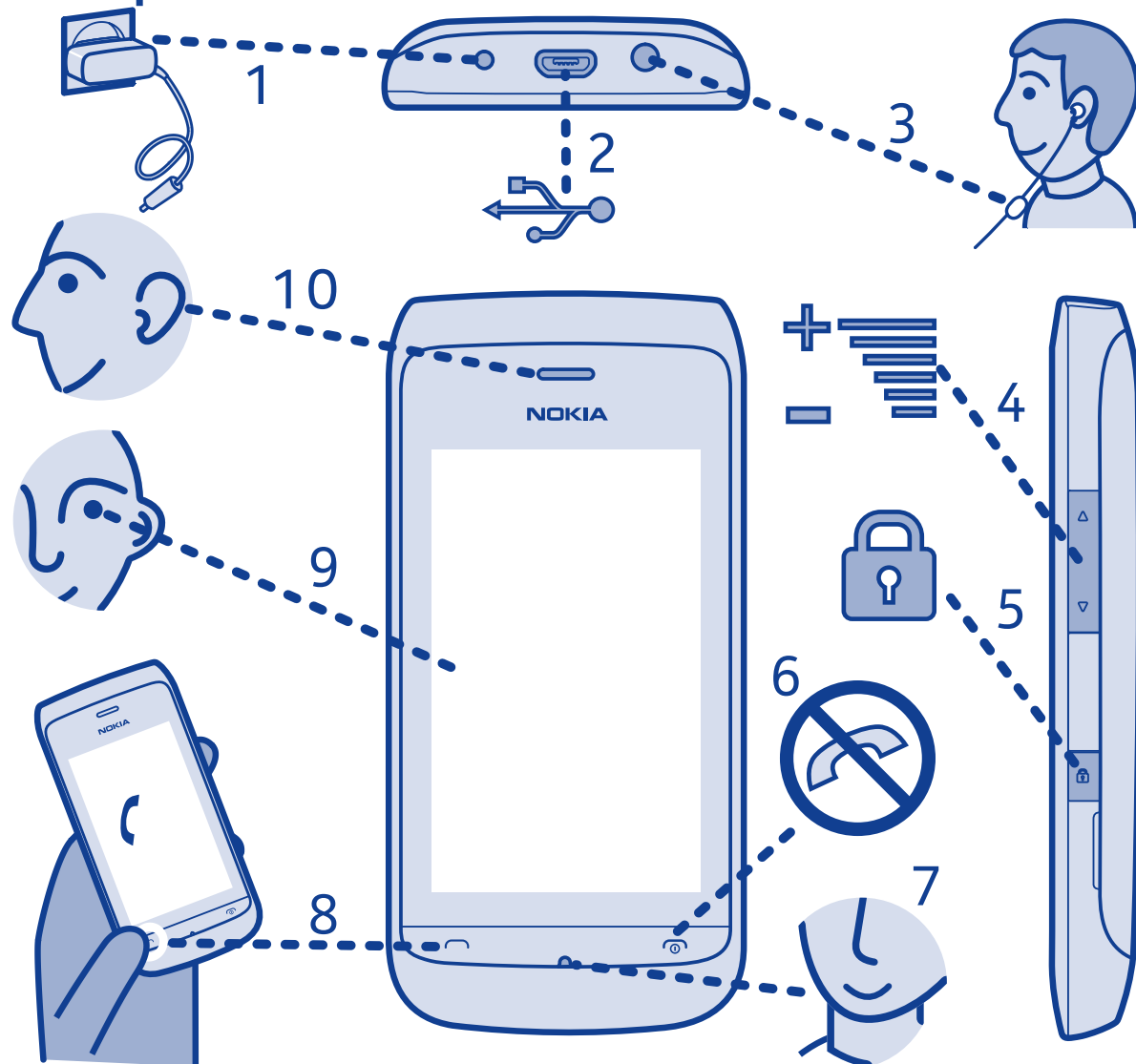
Both SIM cards are available at the same time when the device is not being used, but while one SIM card is active, for example, making a call, the other is unavailable.

If you only have one SIM card, put the card into the SIM1 card holder. Some features and services may only be available when using the SIM card in the SIM1 card holder. If there is a SIM card only in the SIM2 card holder, you can only make emergency calls.

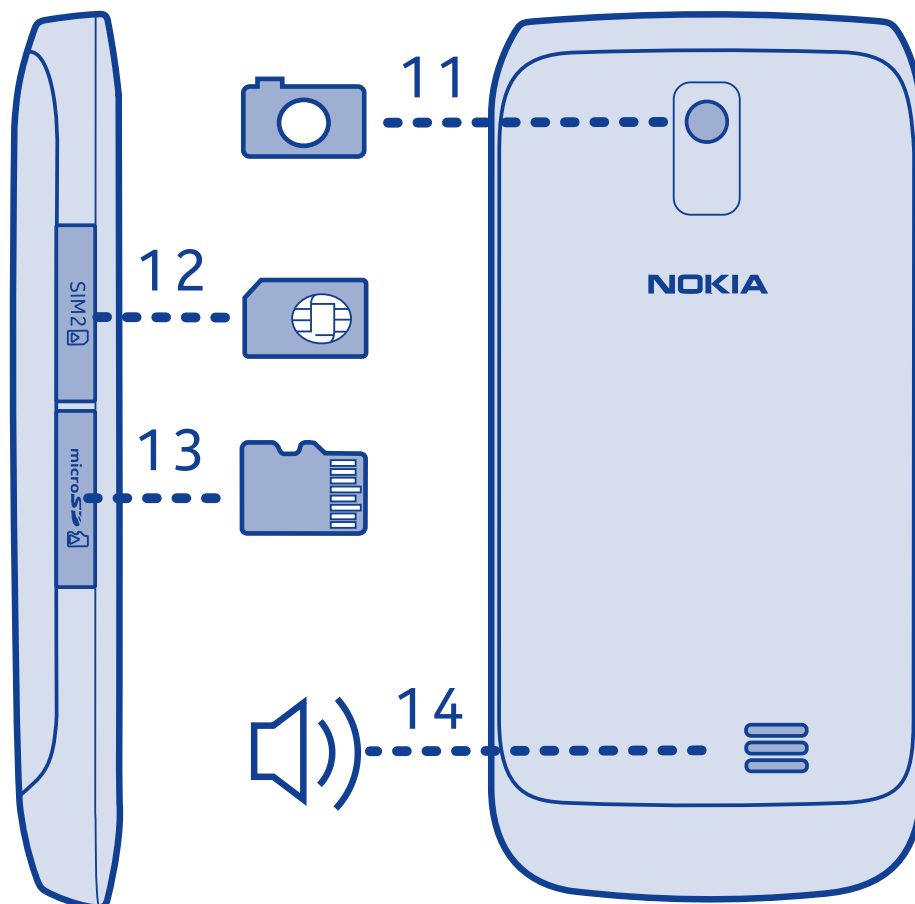
Availability of SIMs

- When you set one SIM to be used for outgoing calls, sending text or multimedia messages, or uploading and downloading data, the other SIM can still receive calls or text and multimedia messages.
- When one SIM is having a call, sending or receiving text or multimedia messages, or uploading or downloading data, the other is not available.

Keys and parts



- | | | | |
|---|---|----|---------------|
| 1 | Charger connector | 6 | End/Power key |
| 2 | Micro-USB connector | 7 | Microphone |
| 3 | Headset connector (Nokia AV connector 3.5 mm) | 8 | Call key |
| 4 | Volume keys | 9 | Screen |
| 5 | Lock key | 10 | Earpiece |



11 Camera lens. Before using the camera, remove the protective tape from the lens.

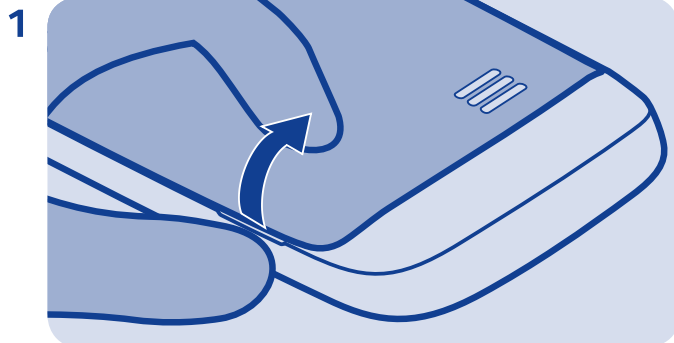
12 SIM card slot (SIM 2)

13 Memory card slot

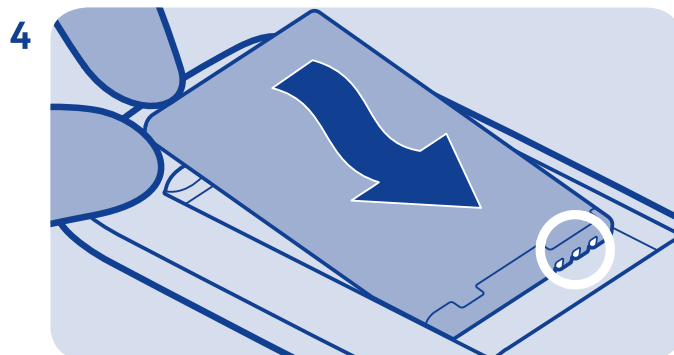
14 Loudspeaker

Your phone uses S40 software.

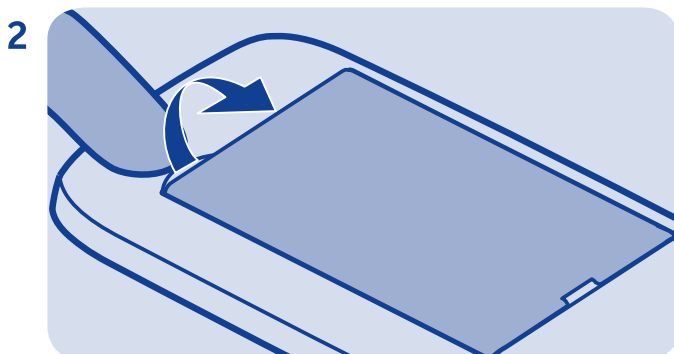
Insert a SIM card and battery



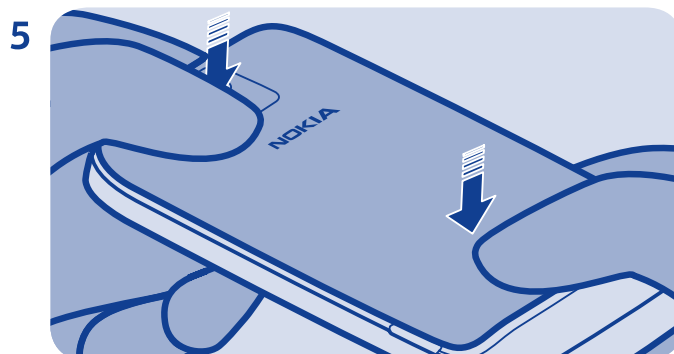
Switch the phone off, and remove the back cover.



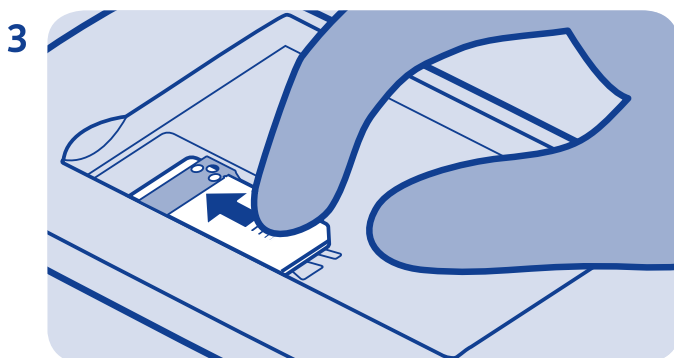
Line up the battery contacts, and push the battery in.



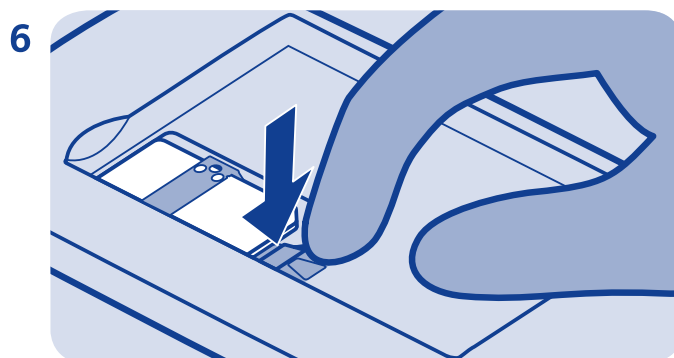
If the battery is in the phone, lift it out.



Replace the back cover.

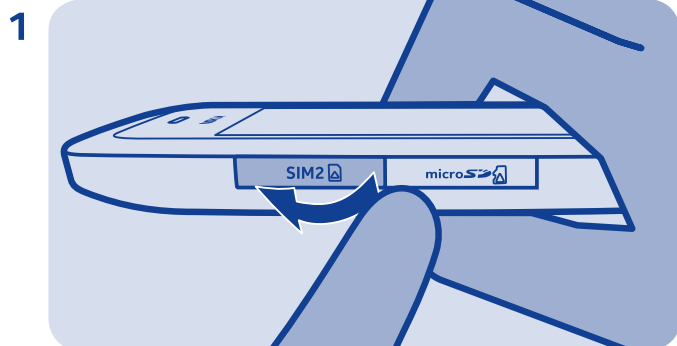


Slide the SIM under the holder with the contact area face down.

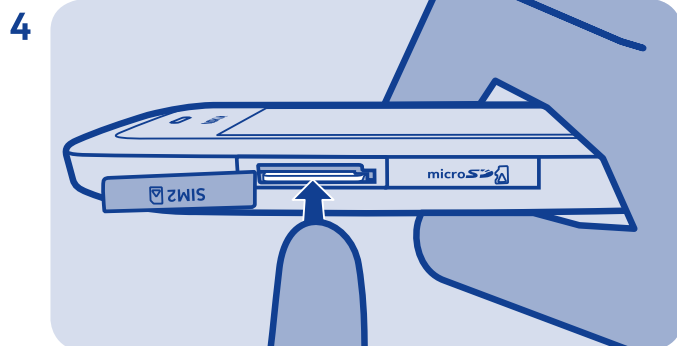


To remove the SIM, press the tongue down, and slide the SIM out.

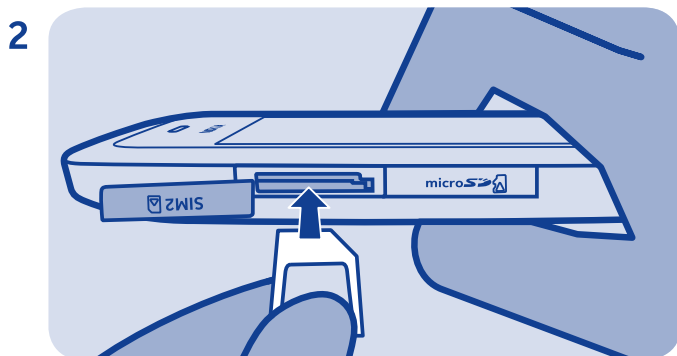
Insert a second SIM card



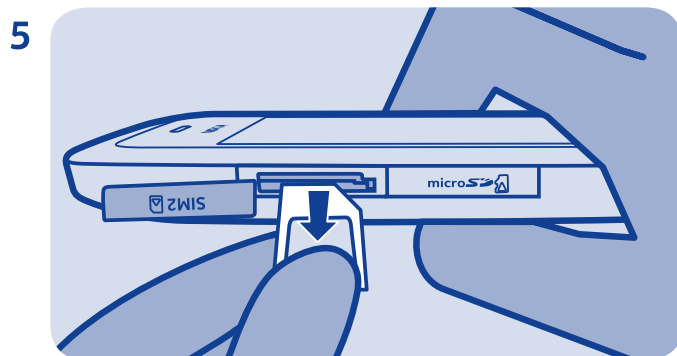
Open the SIM2 SIM cover.



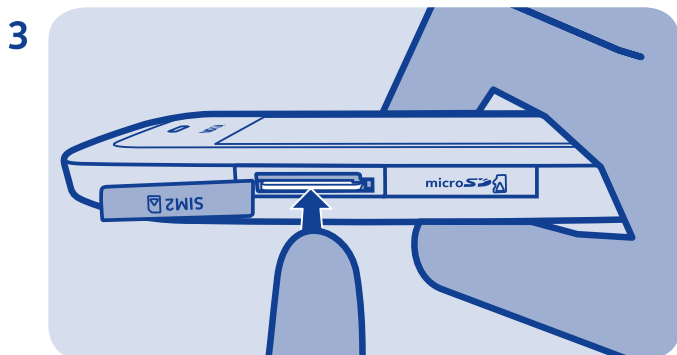
To remove the SIM, push the SIM in until it's free.



Put the SIM in with the contact area face up.

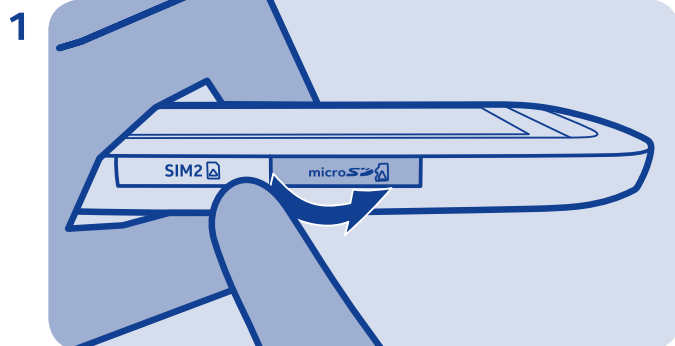


Pull the SIM out.

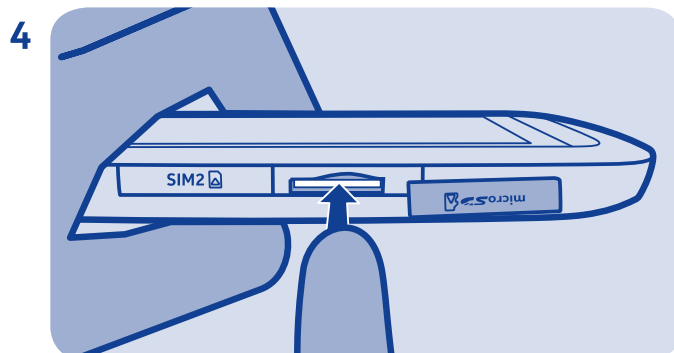


Push the card in until it locks into place. Close the cover.

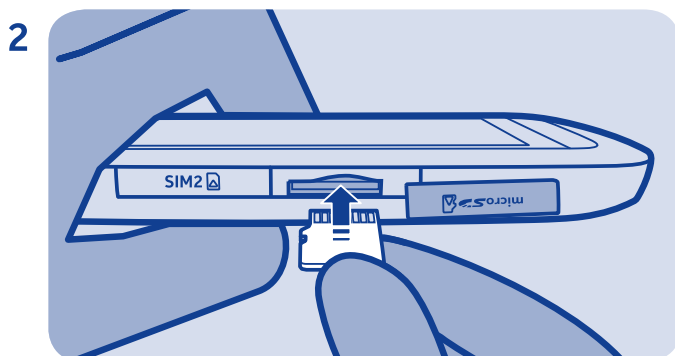
Insert or remove a memory card



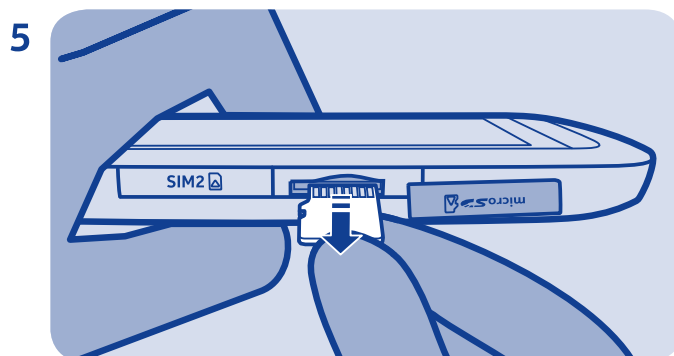
Open the memory card slot cover.



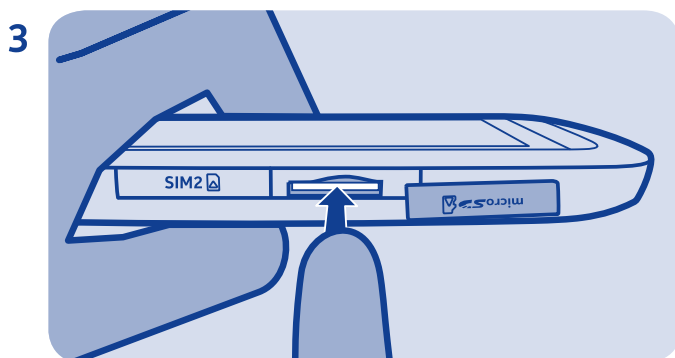
To remove the memory card, push the card in until it's free.



Put the memory card in with the contact area face up.

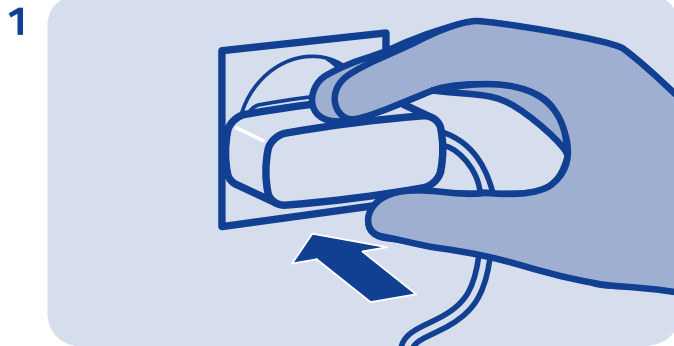


Pull the memory card out.

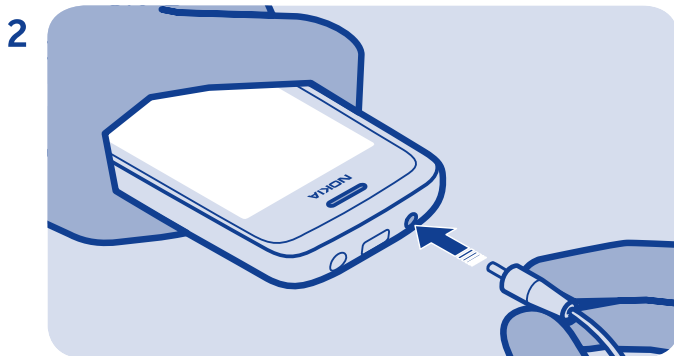


Push the card in until it locks into place. Close the cover.

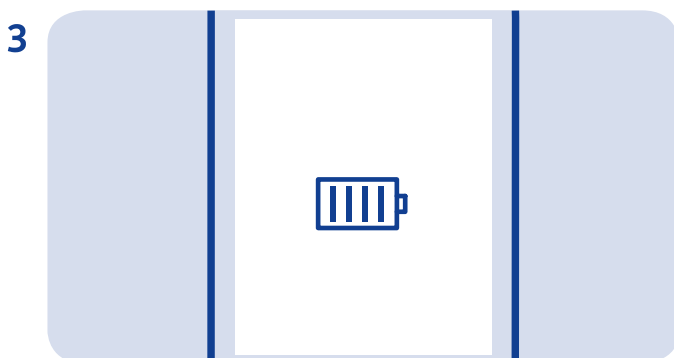
Charge the battery



Plug the charger into a wall outlet.

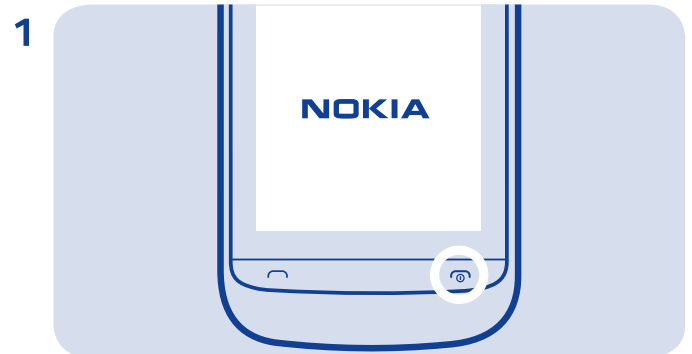


Connect the charger to the phone.
See ➡ 2 in "Feature specific instructions".

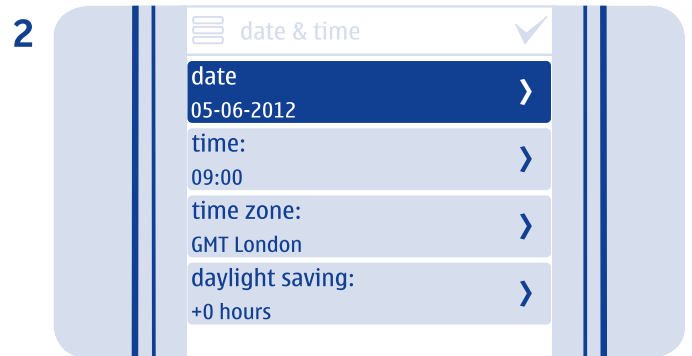


Battery full? Unplug from the phone,
then from the wall outlet.

Switch on



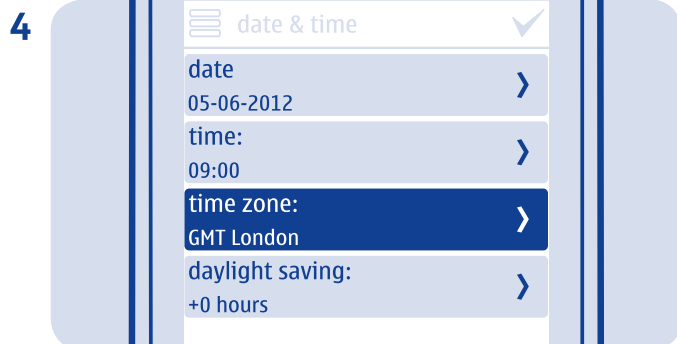
Press and hold the power key.



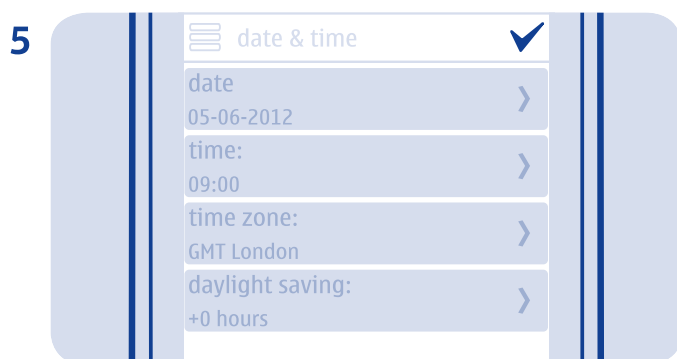
Select the date field, and set the date.



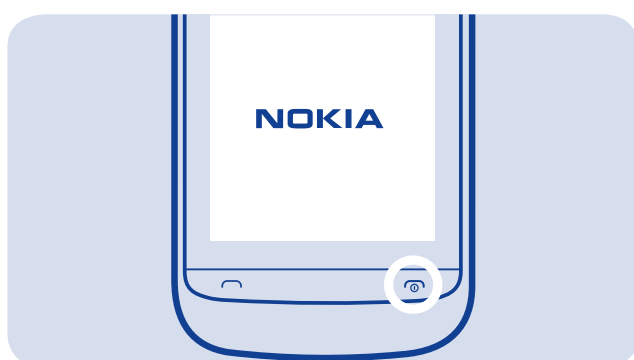
Select the time field, and set the time.



Select the time zone, and select if daylight saving time is used.



Select ✓.



Tip: To switch the phone off, press and hold the power key.



Copy content from your old phone

Easily get your contacts, calendar, and other stuff to your new phone.

1. Switch Bluetooth on in both phones.
2. On your new phone, select **settings** and **sync & backup > phone switch**.
3. Select **copy to this** and what you want to copy, then select ✓.
4. Select your old phone from the list of found devices.
5. Follow the instructions shown on both phones.



Set which SIM card to use

You can set the default SIM card to use to make a call, send a message, or connect to the internet. If you name your SIMs, you can see at a glance which is, for example, for work and which is for personal use.

Select **SIM mgr..**

Select from the following:

1 or **2** — Use the SIM in either the internal SIM holder or the external SIM slot as the default SIM.

? — When a SIM is needed, you are asked which SIM to use.

★ — Set which SIM to use in different cases. For example, you can use one SIM to make calls, but another to connect to the internet. To change the settings, select **personalise**.

Rename a SIM card

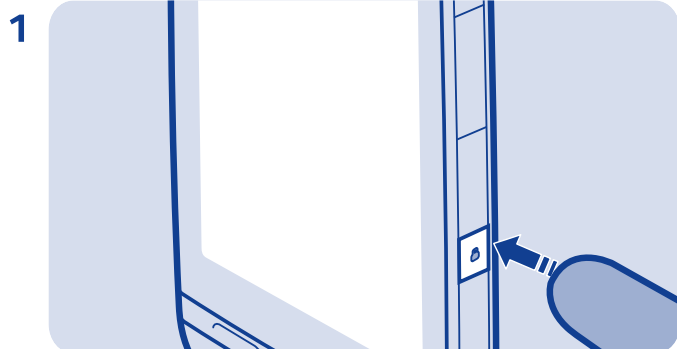
Select the SIM you want to rename, then write the new name.

Tip: To quickly change between SIMs and modes, swipe down from the top of the screen, then tap the SIM area.

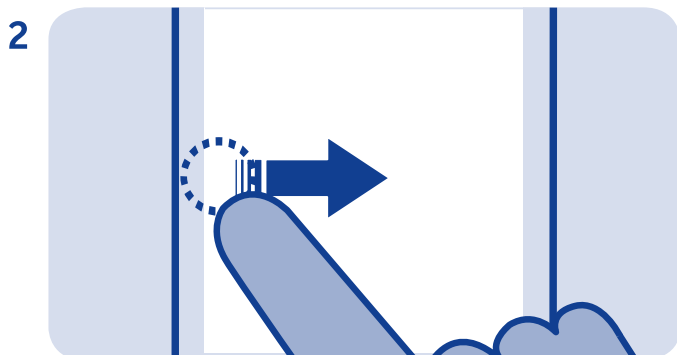
Lock the keys and screen



Lock the keys and screen when not using your phone.



To lock, press the key lock button.

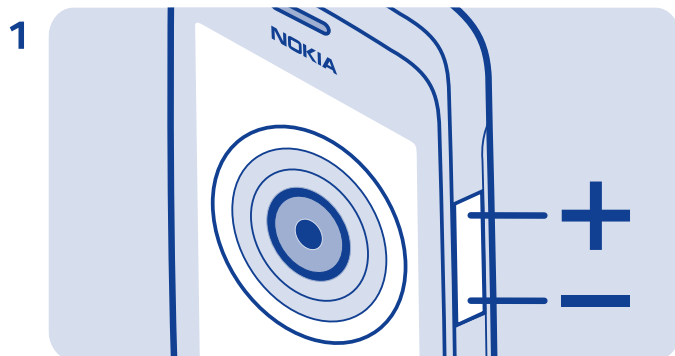


To unlock, press the key lock button, then swipe left or right.

Change the volume



Is the volume too loud during a call or when listening to the radio?

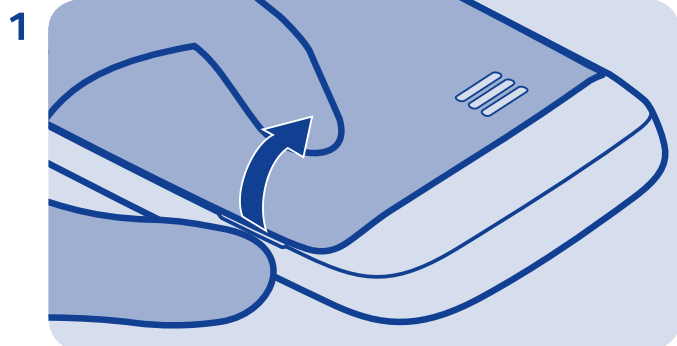


Use the volume keys.



Better.

Attach a strap



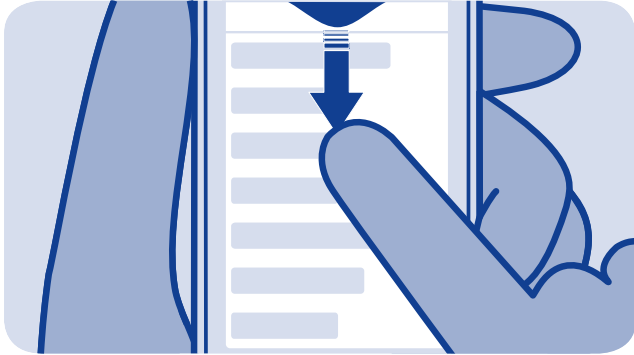
Switch the phone off, and remove the back cover.



Push the loop through the hole, and put it over the hook.



Replace the back cover.



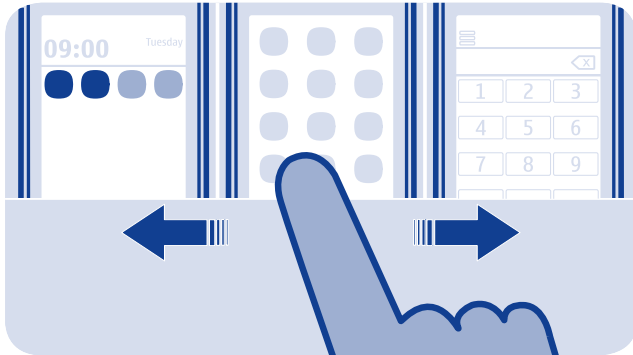
Change settings quickly

Rather than going into the phone menus, in most views, you can quickly change some settings by swiping down from the top of the screen.

You can:

- See if you have missed calls or unread messages
- Change the profile, for example, to silence your phone
- Open the music player, for example, to pause the currently playing song
- Open or close mobile data internet connections
- Check for WLAN networks, and connect to them
- Switch Bluetooth on or off
- Switch to another SIM

Phone basics



Switch between home screens

Your phone has three home screens, one for apps, one for your favourite shortcuts, and one for your most used app, such as the dialler.

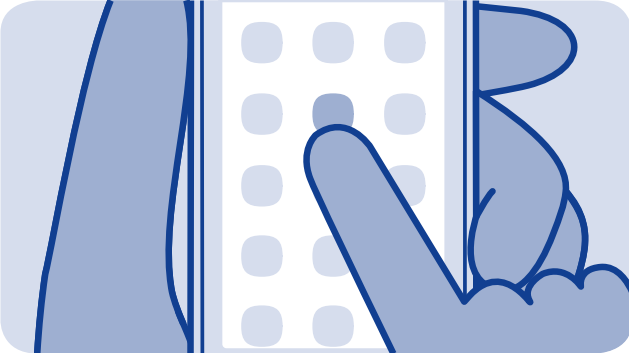
Swipe left or right.

- My screen is the place where you can add your favourite contacts and shortcuts.
- On the apps screen, you can open apps, and organise them to your liking.
- On the dialler screen, you can make calls. In place of the dialler, you can also have the music player or radio.

Tip: To personalise the dialler screen, tap and hold My screen, swipe to the dialler screen, and select the app you want.

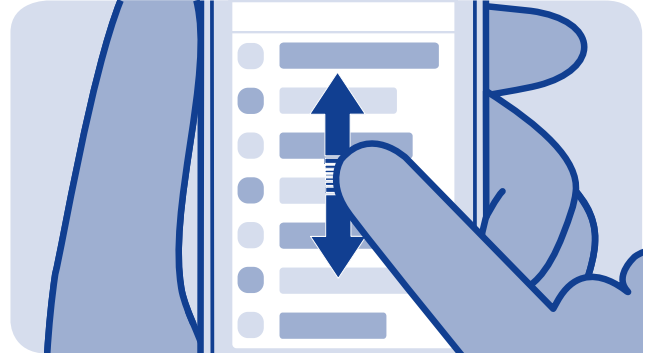
Explore your phone

1



Tap an app or other item to open it.

4



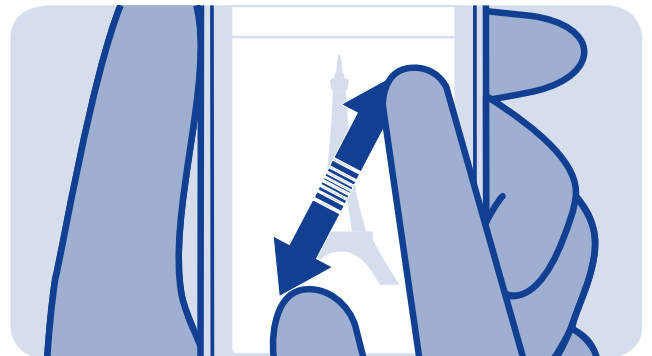
To scroll, slide your finger quickly up or down, then lift your finger.

2



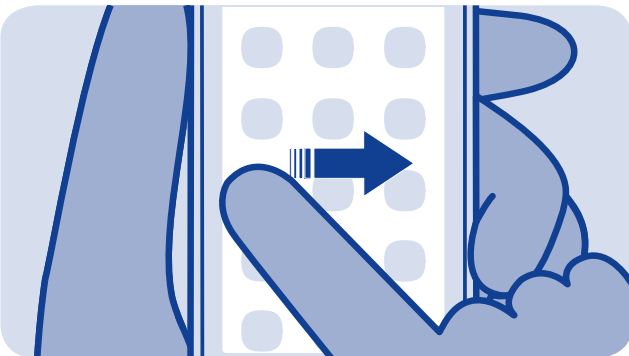
Tap and hold an item to see more options.

5



To zoom, slide two fingers apart or together on the screen.

3

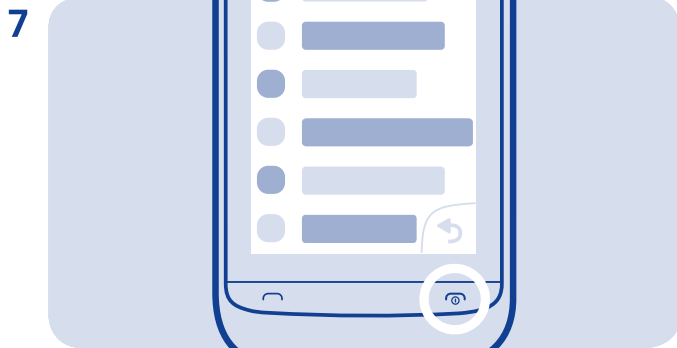


To swipe, steadily slide your finger to the desired direction.

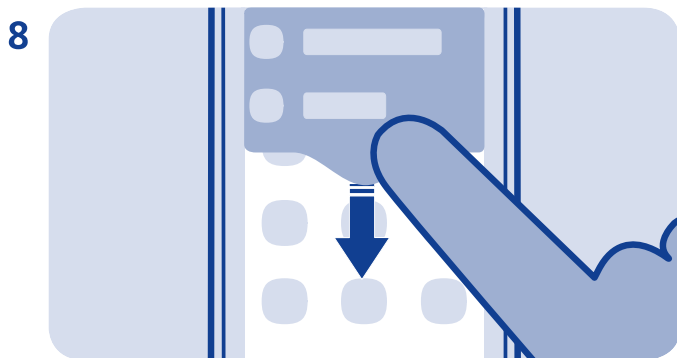
6



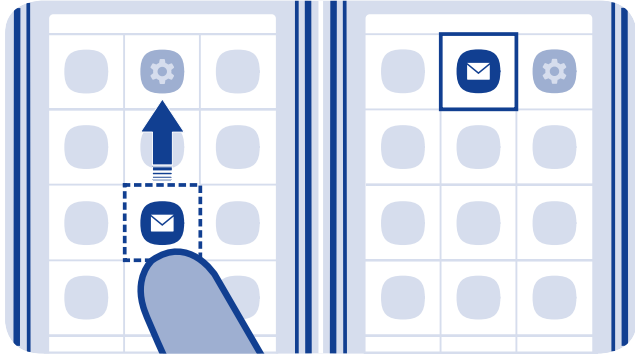
To go back to the previous view, select ↶.



To go back to the home screen, select .



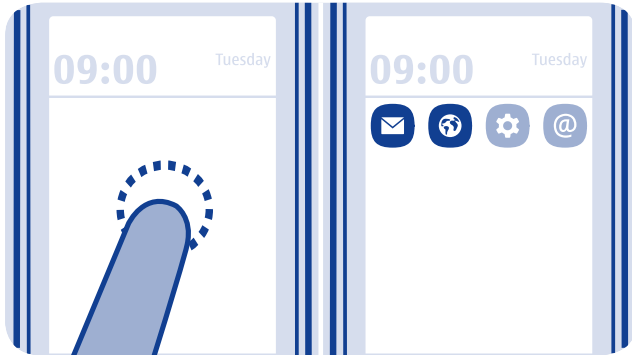
To view notifications, swipe down from the top of the screen. See  3.



Personalise the main menu

You can organise your apps as you like – move your favourites to the top for quick access.

1. Tap and hold the main menu.
2. Select the app you want to move, then tap where you want to move it.



Add a shortcut to My screen

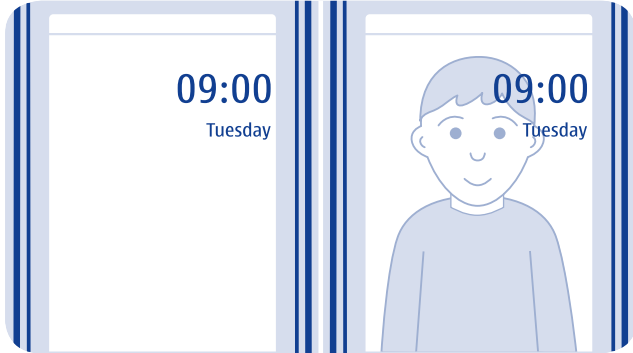
Want to open your favourite apps straight from My screen? Add shortcuts to your most used features.

1. Tap and hold My screen, and select **+ shortcut**.
2. Select an item, such as a widget or action, and select ☒.

Remove a shortcut

Tap and hold My screen, and select ☐ on the shortcut you want to remove.

Tip: Try tapping different areas on My screen. You can, for example, change the date and time, set alarms, or add to your calendar also from My screen.



Change the wallpaper

Want to see a favourite landscape or your family photos in the background of the lock screen? You can change the wallpaper to personalise the lock screen to your liking.

1. Select **settings** and **wallpaper**.
2. Select a folder and a photo.

Tip: You can also take a photo on your phone, and use that.



Change your profile for meetings or outdoor use

Set your phone to discreetly beep once instead of ringing, when you're in a meeting. Or, if you don't want to miss a call in a noisy environment, switch to the loud profile.

1. Select **settings** > **tone profiles**.
2. Select  or .
3. Select **activate**.

Tip: Whichever app or view you're in, you can easily switch to a profile from the notification area. Drag your finger down from the top of the screen to open the notification area, then select the current profile and  or .



Change your ringtone

You can set a different ringtone for each profile.

1. Select **settings** > **tone profiles** and a profile.
2. Select **ringtone**.
3. Select a ringtone from **open files** or your downloaded tones. The ringtone plays so you can see if you like it.
4. When you've found a ringtone you like, select **YES**.

Tip: Download more ringtones from Nokia Store. To learn more about Nokia Store, go to www.nokia.com/support.

Tip: You can also change the message alert tone. Select **msg. alert tone** and a tone.



Set a song as your ringtone

Want to use your favourite song from the music player as your ringtone? You can also take the best section of the song and use that as your ringtone.

1. Select **settings** > **tone profiles** and a profile.
2. When setting a ringtone for the profile, select **open files**, and browse to the song.
3. When asked if you want to adjust the start and end points of the tone, select **YES**.
4. Drag the start marker (⏮) to the start point.
5. Drag the end marker (⏭) to the end point.

When a marker is moved to a new point, the selection plays.

6. To manually play the selection, select (▶).
7. Select ✓.

The edited ringtone does not replace the original ringtone or sound clip. Preset ringtones cannot be modified, and not all formats of ringtones are supported.

Tip: To fine-tune the start and end points of the selection, select  or , and select and hold  or .



Use your phone offline

In places where you're not allowed to make or receive calls, you can still use your phone to play games or listen to music, if you switch to the flight profile ✈️.

Select **settings** and **connectivity > flight**.

See ➡ 1, 4.

Icons shown on your phone

 /  — You have unread messages sent to SIM1 or SIM2.

 — You have unread messages sent to SIM1 and SIM2.

 /  — You have unsent, cancelled, or failed messages from SIM1 or SIM2.

 — You have unsent, cancelled, or failed messages from SIM1 and SIM2.

 — The touch screen and keys are locked.

 — The phone doesn't ring when somebody calls or sends a message.

 — An alarm is set.

 — Bluetooth is on.

 — The phone is connected to a WLAN.

 /  — All incoming calls to SIM1 or SIM2 are forwarded to another number.

 — All incoming calls to SIM1 and SIM2 are forwarded to another number.

 — A headset is connected to the phone.

 — The phone is connected to a device, such as a PC, with a USB cable.

The type of mobile network you're currently connected to may be shown with a single letter, a combination of letters, or a combination

of letters and numbers. For example, **3G**, depending on your network service provider.

The icons may vary depending on your region or network service provider.

Use the calculator



Stay within your budget wherever you are – your phone has a calculator.

1. Select **calculator**.
2. Type in your calculation, and select =.

Tip: To view your calculation history, select and hold the calculator's result box.

About Nokia Store



Download mobile games, apps, videos, themes, wallpapers, and ringtones to your phone from Nokia Store.

Select **store**.

Many items are free of charge; some you need to pay for with your credit card or on your phone bill. The availability of payment methods depends on your country of residence and your network service provider. To learn more about Nokia Store, go to **www.nokia.com/support**.

Calls



Make a call

1. Select **phone**, or swipe left to open the dialler.
2. Type in the phone number.
3. Press .
4. If asked, select the SIM to use.
5. To end the call, press .

Answer a call

Press .

When you receive a call, your phone shows you which SIM is used.

Decline a call

Press .



View your missed calls

Did you miss a call, but want to see who called?

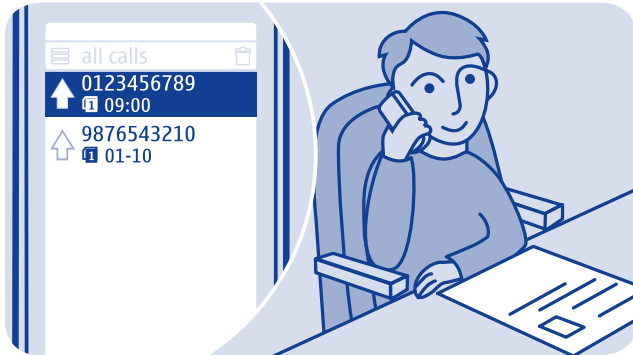
If you missed a call, a notification is shown on the lock screen. Swipe over the notification to open the all calls view. It lists the calls you have made ↑, received ↓, or missed ↻.

To call back, select a number or contact.

Missed and received calls are saved only if the network supports it, and your phone is switched on and within the network service area.

View your missed calls later

Select ↻ log.



Call the last dialled number

Did you try to call someone, but nobody picked up? It's easy to call again.

1. On the home screen, press .
2. Select the phone number.

If asked, select which SIM to use.



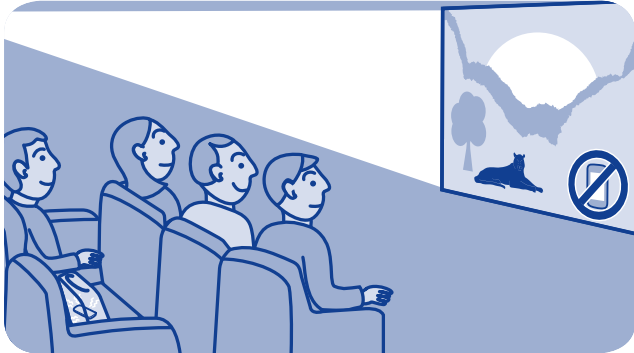
Call several people at the same time

Want to tell your great news to all your friends? With a conference call, you can easily call several people at the same time, saving you the trouble of calling each one separately.

1. Make the first call.
2. While in the call, select **options** > **new call**.
3. Type in the phone number, and select **CALL**, or select **SEARCH** and a contact. The first call is put on hold until you connect the conference call.
4. When you're able to talk to the second caller, select **options** > **conference**. You can add more calls to the conference.

Tip: To speak privately with a caller in the middle of the conference call, select **options** > **private call** and a number. The conference call is put on hold. To return to the conference call, select **options** > **conference**.

5. To end the conference call, press .



Forward calls to your voicemail or another phone number

Your phone is ringing, but you can't answer? Let the call go to your voicemail, or forward it to another number. Call forwarding is a network service.

1. Select **settings** > **calls** > **call forwarding**.

2. Select which SIM to use.

3. Select when to forward the incoming voice calls:

all voice calls — Forward all calls.

if busy — Forward when busy.

if not answered — Forward when not answered.

if out of reach — Forward when the phone is switched off or out of network coverage for a certain length of time.

if not available — Forward when busy, when not answered, when the phone is switched off, or when out of network coverage.

4. Select **activate** > **to voice mailbox** or **to other number**.

5. If **if not answered** or **if not available** is selected, set the length of time after which a call is forwarded.



Prevent making or receiving calls

Keep your phone bill under control by preventing certain types of calls. You can prevent, for example, incoming calls while you're abroad. Call barring is a network service.

1. Select **settings**.
2. Select **security** > **call barring service** and an option.
3. Type in the barring password you have received from your service provider.

Tip: To check how long your calls have been, how much data you've used, or how many text messages you've sent, select **counters**. You can set the counters to be cleared automatically, for example, each month.



Contacts



Save a name and phone number

Add new contacts to your phone.

Select **contacts**.

Select , then write the name, number, and other details.

If asked, select where to save the contact.

Edit the details of a contact

Select a contact and , then edit the details.

Add more details

Select  > **add detail** and a detail.



Make calls quickly

Call someone often? Set their number as a speed dial.

Select **phone** and **☰** > **speed dials**.

Assign a phone number to a number key

1. Select a number key. 1 is reserved for the voice mailbox.
2. Type in a number or search for a contact.

Make a call

In the dialer, press and hold a number key.



Copy contacts to your SIM card

Want to use your SIM card in another phone, but still have access to your contacts? By default, contacts are stored in the phone memory, but you can copy your contacts to a SIM card.

Select **contacts**.

More contacts can be stored in the phone memory, and contacts saved on a SIM can only have one phone number.  or  means a contact is stored on a SIM.

Choose the contacts to be copied

1. Select  > **copy contacts** > **select contacts**.

2. Select the contacts, then select . If asked, select which SIM to use.

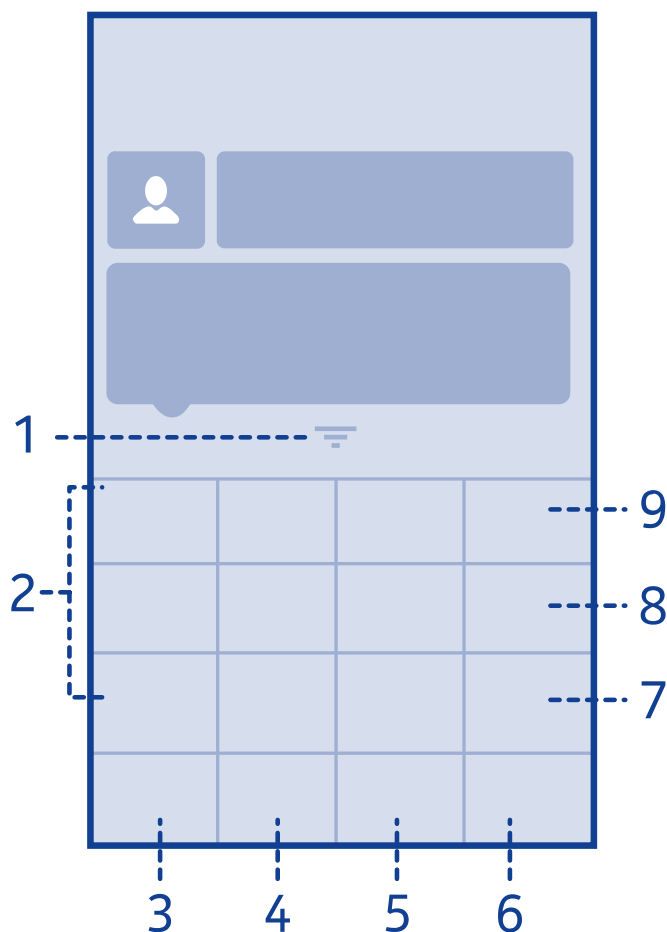
Copy all contacts

Select  > **copy contacts** > **select memory**, and select the memory or SIM you want from the drop-down list.

Write text

Use the on-screen keypad

To open the traditional alphanumeric keypad, turn the phone to portrait mode.



1 Close key

2 Character keys

6 Input options key - Switch predictive text input on or off, change the writing language, or switch to the on-screen keyboard.

7 Symbol key - Type in a special character.

-
- | | |
|---|--|
| <p>3 Smiley key - This may not be available in all languages.</p> <p>4 Space key</p> <p>5 Shift key - Change the character case. This may not be available in all languages.</p> | <p>8 Character/number mode key - Switch between characters and numbers.</p> <p>9 Backspace key - Delete a character.</p> |
|---|--|

Close the keypad

Swipe down on the keypad. You can also select and hold the close key.

Switch back to using the keyboard

Turn the phone to landscape mode.

Use the on-screen keypad

To open the on-screen keypad when writing text, turn the phone to portrait mode.

Type in a character

1. Select a character key repeatedly until the character is shown. There are more characters available than are shown on the key.

2. If the next letter is on the same key, wait until the cursor is shown, then select the key again.

Type in a space

Select ____.

Move the cursor to the next line

When predictive text is off, select ____ three times.

Type in a number

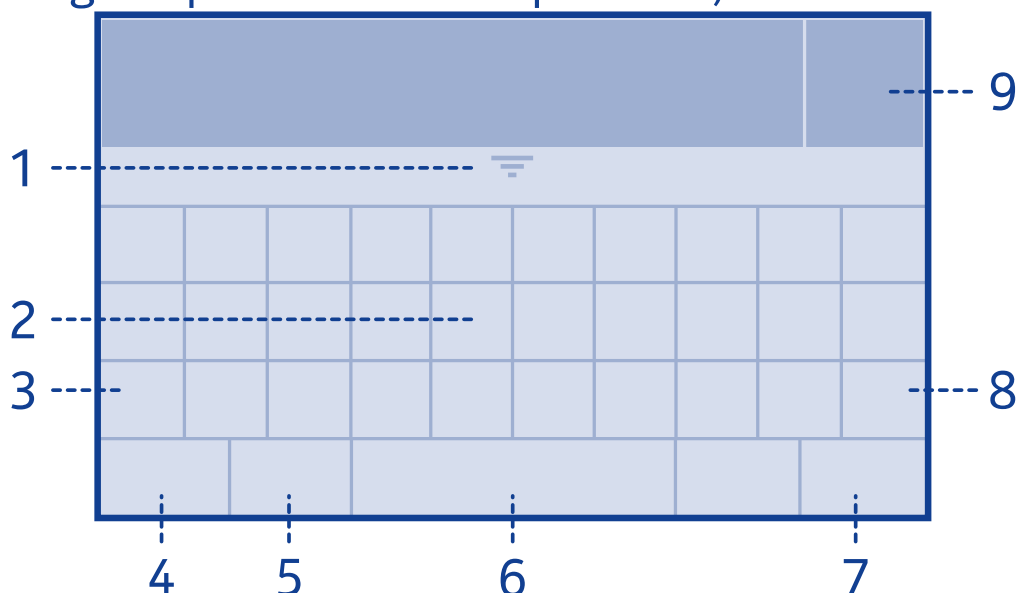
Select **123**, then select the number.

Type in a special character

Select the sym key, then select the special character.

Use the on-screen keyboard

When holding the phone in landscape mode, select a text box.



- | | | | |
|----------|--|----------|--|
| 1 | Close key | 6 | Space key |
| 2 | Character keys | 7 | Enter key - Move the cursor to the next row. |
| 3 | Shift and caps lock key - To type in an upper case character when writing in lower case, or vice versa, select the key before typing in the character. To switch to caps lock mode, select the key twice. In some languages, | 8 | Backspace key - Delete a character. |

this key opens a new set of characters.

- | | |
|---|-------------------|
| <p>4 Symbol key - Type in special characters or numbers.</p> <p>5 Input options key - Switch predictive text input on or off, change the writing language, or switch to the on-screen keypad.</p> | <p>9 Done key</p> |
|---|-------------------|

Close the keyboard

Swipe down on the keyboard. You can also select and hold the close key.

Use predictive text

Predictive text is not available in all languages.

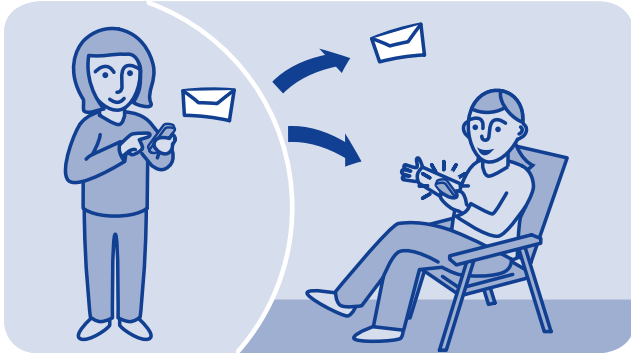
1. Select  > **prediction** > .
2. Start writing a word. Your phone suggests possible words as you write. When the correct word is shown, select the word.
3. If the word is not in the dictionary, select the pop-up and **+**, and add the new word to the dictionary.

When using predictive text, you can set your phone to complete and type in words for you automatically.

Use word completion

Select  > **word completion** > .

✉ Messaging



Send a message

Keep in touch with your family and friends through messages.

1. Select **messaging** and ✉.
2. To add a contact as a recipient, select 👤. You can also type in a phone number.
3. Write your message in the text box.

Tip: To include an attachment, such as a photo or video, select ≡ > **insert content**.

4. Select ≡✉.

If asked, select which SIM to use.

Sending a message with an attachment, such as a photo or video, may be more expensive than sending a normal text message. For more info, contact your network service provider.

See ➡ 6, 7, 8.



Save an attachment

Did someone send you a great photo? Save it to your phone. You can also save other types of attachments.

Select **messaging**.

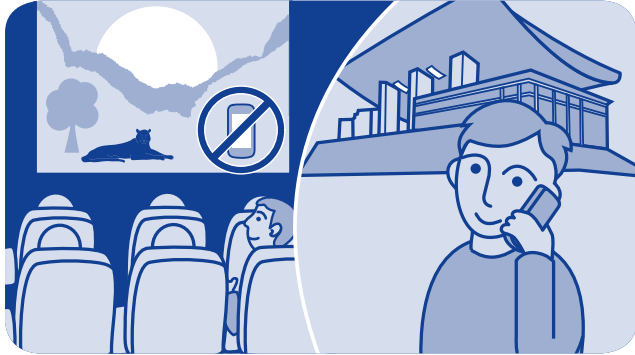
Save a message attachment

1. Open the message.
2. Select the file and **≡ > save**.
3. Select where to save the file, such as **images**, then write a name for the file.

Save a mail attachment

1. Open the mail.
2. Select the attachment. Your phone may ask you to download the file.
3. Select **✓**.

Photos and videos are saved in files.



Check your voicemail

Did you let your calls go to voicemail when you couldn't answer? Listen to the messages people have left you at a convenient time.

Set up your voicemail

To use voicemail, you may need to subscribe to the service. For more info on this network service, contact your network service provider.

You can only use voicemail when your SIM is in the internal SIM holder.

Before using your voice mailbox, get your voice mailbox number from your network service provider. Check your order confirmation or your network service provider's support website.

1. Select **settings** > **calls** > **more settings** > **voicemails** and **voice mailbox no..**

2. Type in your voice mailbox number, then select **OK**.

Listen to your voicemail when you just missed a call

1. Select the notification of a new message on the home screen.

2. Select **options** > **call sender**.

Listen to your voicemail later

Select **phone**, then press and hold **1**.

@ Mail and chat



Set up your mail account

Do you use more than one mail address? You can have several mailboxes in your phone. Mail is a network service.

1. Select **mail**.
2. Select your mail service provider.
3. Type in your username and password.

Tip: If you don't want to type in your password every time you use your mail account, select **save password**.

4. Select **Sign in**.

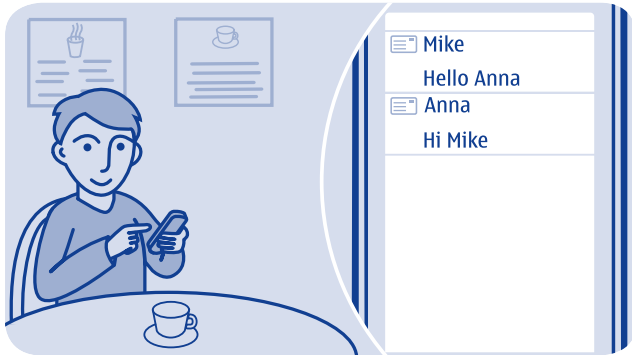
Add a mailbox later

1. Select **mail**.
2. Select  > **add account**.
3. Follow the instructions shown on the phone.

Your phone updates your inbox at certain intervals to show your new mails when they have arrived. This may cause transfer of large amounts of data, which may result in data traffic costs. To save costs, you can switch the automatic update feature off and update the inbox manually.

Switch off the automatic update of the inbox

1. Select **mail**.
2. Select  > **settings** and your mailbox.
3. Select **update my inbox** > **manual**.



Send a mail

Would you like to send a mail while on the go? With your phone, you can read and send mail, even when not sitting at your desk.

1. Select **mail** and a mail account.

Tip: If you have more than one mail account, your phone automatically opens the mail account you used last time. To open another mail account, select .

2. Select .

3. To add a recipient, select , or manually write the address in the to field.

4. Write the subject and your message.

Tip: To include an attachment, such as a photo, select .

5. Select .

Time management



Change the time and date

Select **settings** and **date and time**.

Change the time zone when travelling

1. Select **settings** > **time zone**.
2. Select the time zone of your location.
3. Select .

The time and date on your phone are set according to the time zone.

For example, GMT -5:00 is the time zone for New York (USA), 5 hours west of Greenwich, London (UK).



Set an alarm

Use your phone as an alarm clock.

1. Select **alarm**.
2. Set the alarm time, then select **SAVE**.
3. To set the alarm to go off at the same time on certain days, select **≡ > alarm repeat** and the days.



Add a calendar entry

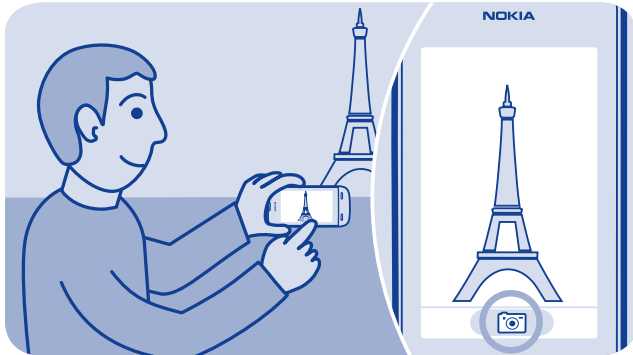
Need to remember an appointment? Add it to your calendar.

1. Select **calendar**.
2. Select **+**.
3. Select an entry type.
4. Fill in the fields, then select **✓**.

Tip: To delete an entry, select and hold the entry, then select **delete**.



Photos and videos



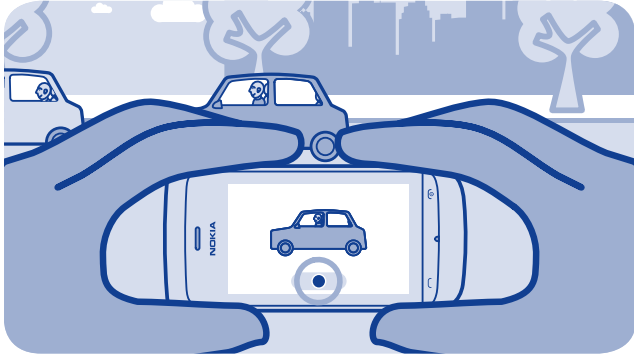
Take a photo

1. To open the camera, select **camera**.
2. To zoom in or out, use the volume keys.
3. Select .

Photos are saved in gallery.

Close the camera

Select .



Record a video

Besides taking photos with your phone, you can also capture your special moments as videos.

To open the video camera, select **video**.

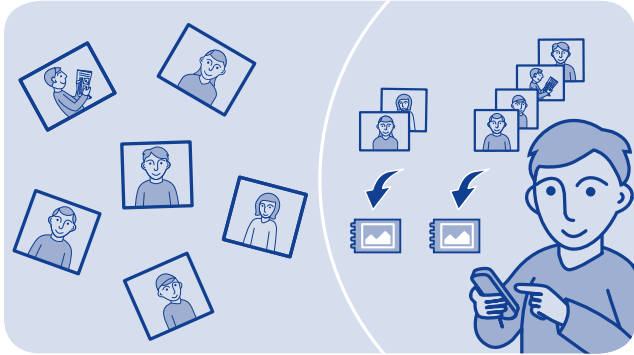
1. To start recording, select ●.
2. To zoom in or out, use the volume keys.
3. To stop recording, select ■.

Videos are saved in gallery.

Tip: You can send your video in a multimedia or mail message. To limit the video length for sending, select ≡ > **settings** > **video length** > **for MMS**.

Close the camera

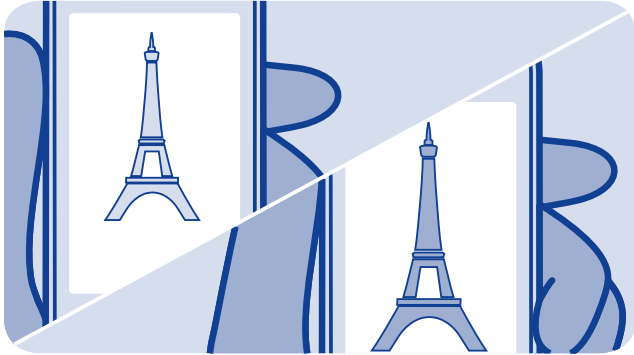
Select ↶.



Organise your photos

You can organise your photos into albums, to make it easier to find a particular photo.

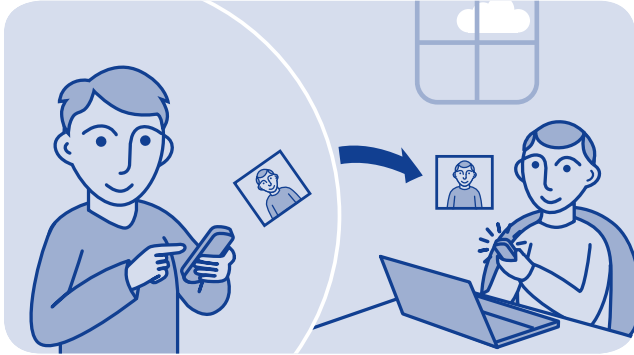
1. Select **gallery**, then open the  tab.
2. Select , then write a name for the album.
3. Select the photos to add to the album, then select .



Edit a photo

Is the photo you took too dark or not ideally framed? With your phone, you can easily do simple edits to the photos you've taken.

1. Select **gallery** and a photo.
2. Select **≡** > **edit photo** and an effect.
3. To save the edited photo, select **✓** > **✓** > **YES**. The edited photo does not replace the original photo.



Send a photo or video

Send your photos and videos to your family and friends in a multimedia message or mail, or using Bluetooth.

Select **gallery**.

1. Open the tab where the photo or video is.
2. Select and hold the photo or video, then select **send** and how you want to send it.

Send several photos or videos at the same time

1. Open the tab where the photos or videos are.
2. Select , then mark what you want to send.
3. Select  and how you want to send them.

🎵 Music and audio



Copy music from your PC

Do you have music on your PC that you want to listen on your phone? Use Nokia Suite and a USB cable to manage and sync your music collection.

1. Connect your phone to your computer with a compatible USB cable. Make sure a compatible memory card is in your phone.
2. Select **media transfer** as the connection mode.
3. On your computer, open Nokia Suite. For more info, see the Nokia Suite help.

Some music files can be protected by digital rights management (DRM) and cannot be played on more than one phone.



Play a song

You can use your phone's music player to listen to music and podcasts while on the move.

Select **music**.

1. Select  and a song.
2. To pause or resume playing, select  or .

Skip to the previous or next song

Select  or .

Close the music player

Press the end key.



Listen to the radio

Connect a compatible headset to your phone. The headset acts as an antenna.

Select **radio**.

Change the volume

Use the volume keys.

Set the radio to play in the background

Select **⏮**.

Close the radio

Press the end key.

Tip: To close the radio when it is playing in the background, press and hold the end key.



Find and save radio stations

Search for your favourite radio stations, and save them, so you can easily listen to them later.

Select **radio**.

Connect a compatible headset to your phone. The headset acts as an antenna.

Search for all available stations

Select  > **search all stations**.

Set a frequency manually

Tap the frequency, then scroll to a frequency.

Save a station

Select .

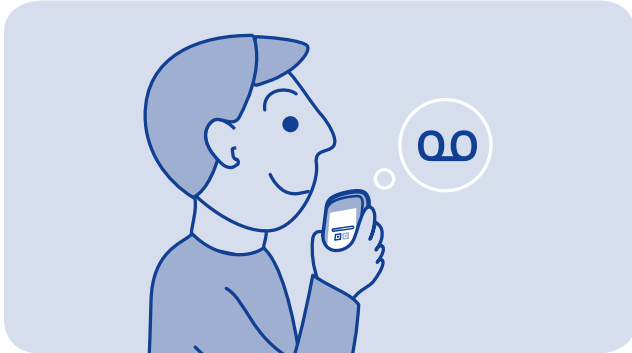
Go to the next or previous saved station

Select  or .

Automatically switch to a frequency with better reception

1. Select  > **RDS** > **on**.

2. Select **auto-frequency** > **on**.



Record sound clips

You can record voice memos or phone conversations.

Select **voice rec.**.

1. Select .
2. To stop recording, select .

Record a phone conversation

During a call, select  > **record**.

Both parties hear a tone at regular intervals during the recording.

Listen to your recordings

Select  > **recordings list**.



Web



Browse the web

Catch up on the news, and visit your favourite websites on the go.

Select **internet**.

Tip: If you don't have a flat-rate data plan from your network service provider, to save data costs in your phone bill, you can use a WLAN to connect to the internet.

Go to a website

Write the web address in the address bar.

Move on the web page

Drag the page with your finger.

Zoom in

Tap the section of the web page you want to see better.

Zoom out

Double-tap the screen.

Tip: To zoom in or out, you can also place two fingers on the screen, and slide your fingers apart or together.

Search the internet

Write a search word in the address bar. If asked, select your default search engine.

Go back to a previously visited web page

Select ★ > **history** and the web page.

Tip: To show the address bar and toolbar when browsing, select .

Tip: You can download web apps from Nokia Store. When you first open a web app, it is added as a bookmark. For more info, go to www.nokia.com/support.



Add a bookmark

If you visit the same websites all the time, add them as bookmarks, so you can easily access them.

Select **internet**.

While browsing, select **≡ > add to favourites**.

Go to a bookmarked website

Select **★** and a bookmark.

Clear your browsing history

Select **internet**.

Select ★ > ≡ > **clear history**.

Clear stored cookies or text saved in web forms

Select 🌐 > ≡ > **settings** > **clear cookies** or **clear auto-fill**.

Connectivity



Connect to a wireless headset

Want to keep working at your computer during a call? Use a wireless headset. You can also answer a call, even if your phone's not directly at hand.

Select **settings > connectivity > Bluetooth**.

1. Make sure **Bluetooth** is **on**.
2. Switch the headset on.
3. To search for your headset, select **Q**.
4. Select the headset.
5. You may need to type in a passcode (such as 1234).



Protect your phone

Do you want to control who can find and connect to your phone when Bluetooth is on?

Select **settings > connectivity > Bluetooth**.

Prevent others from finding your phone

Select **my phone visibility > hidden**.

When your phone is hidden, others can't find it. However, paired devices can still connect to your phone.

Switch Bluetooth off

Swipe down from the top of the screen, then select **✖**.

Do not pair with or accept connection requests from an unknown device. This helps protect your phone from harmful content.



Copy content between your phone and a computer

You can use a USB cable to copy your photos and other content between your phone and a compatible computer.

1. Connect your phone to a computer with a compatible USB cable.
2. Select a mode:

Nokia Suite — Nokia Suite is installed on your computer.

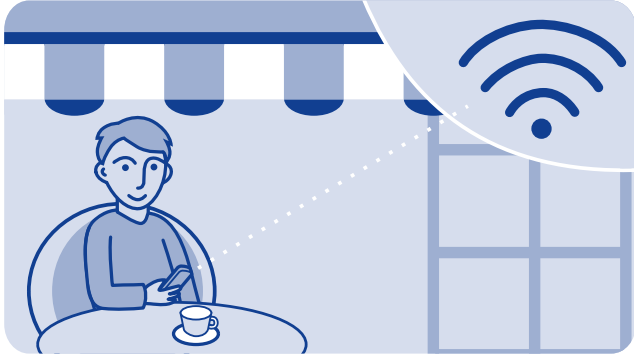
media transfer — Nokia Suite is not installed on your computer. If you want to connect to a home entertainment system or printer, use this mode.

mass storage — Nokia Suite is not installed on your computer. The phone is displayed as a portable device on your computer. Make sure a memory card is in your phone. If you want to connect to other devices, such as a home or car stereo, use this mode.

3. To copy the content, use the file manager of the computer.

To copy your contacts, music files, videos, or photos, use Nokia Suite.

To get more info and to download the Nokia Suite PC app, go to www.nokia.com/support.



Connect to a WLAN

To help save data costs, you can use a WLAN to connect to the internet, whether you're at home or at a library or internet café.

1. Select **settings** > **connectivity** > **Wi-Fi**.
2. Make sure **Wi-Fi** is **on**.
3. To connect, select the network and **CONNECT**.
4. If the connection is secured, type in the password.

Close the WLAN connection

Swipe down from the top of the screen, then select .

Maps



About Maps

Maps shows you what is nearby and helps you plan your route.

Select **maps**.

You can:

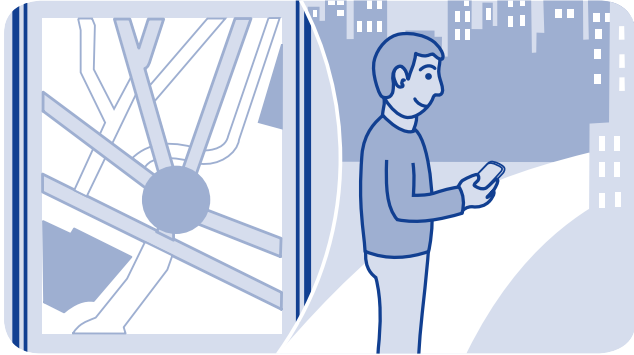
- See where you are on a map
- Plan a route to a nearby place
- Search for a place or an address, and save it
- Send your location or a place to a friend in a text message

Your phone may have a memory card with preloaded maps for your country. Make sure the memory card is in your phone before using Maps.

Using services or downloading content may cause transfer of large amounts of data, which may result in data traffic costs.

This service may not be available in all countries or regions, and may be provided only in selected languages. The service may be network dependent. For more information, contact your network service provider.

Contents of digital maps may sometimes be inaccurate and incomplete. Never rely solely on the content or the service for essential communications, such as in emergencies.



See where you are on the map

To help get your bearings, check where you are on the map.

Select **maps**.

You are shown on the map if your phone can find your location.

Update your location

Select .

Save your current location

Select your location and  > .

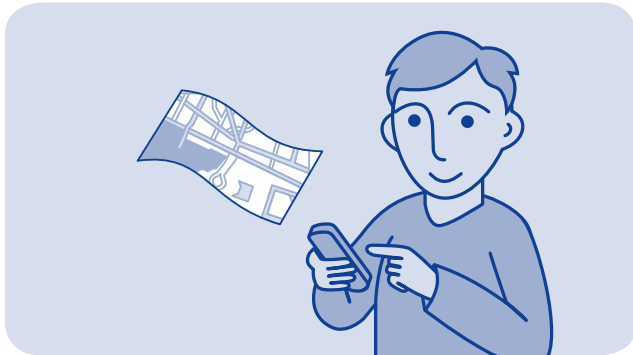
Tip: When you're shown on the map, to see nearby places, select 
to see the toolbar, and select  > .



Search for a place

You can search for locations, such as street addresses, and places, such as restaurants.

1. Select **maps**.
2. Select  to see the toolbar, then select .
3. Write the name of the place or the address.



Download maps

If you browse to an area of the map which is not saved on your memory card, and you have an active data connection to the internet, a map for the area is automatically downloaded.

See ➡ 5.

Tip: If you don't have a flat-rate data plan from your network service provider, to save data costs in your phone bill, you can use a WLAN to connect to the internet.

Tip: Save new street maps to your phone before a journey, so you can browse the maps without an internet connection when travelling. Use the Nokia Suite PC app to download the latest maps, and copy them to your phone. To download and install Nokia Suite, go to www.nokia.com/support.



Create a walking route

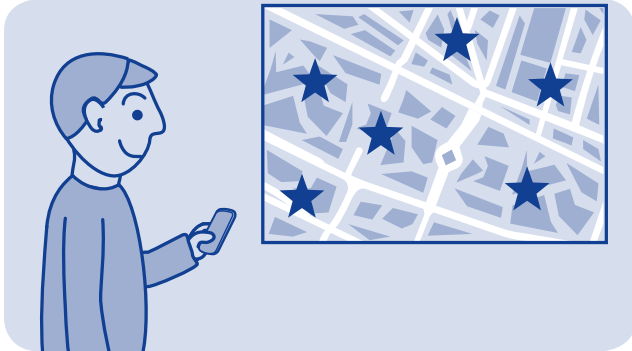
Plan a walking route to a place nearby. You can see the entire route and all the turnings on the map before setting off.

1. Select **maps**.
2. Select  to see the toolbar, then select    > .
3. Select **starting location** and a place, address, saved favourite, or a point on the map as the start point of your walking route. To start from where you are now, select **my position**.
4. Select **destination** and the end point of the walking route.

Using ferries and some special tunnels for walking routes is restricted.

5. Select .
6. When you're ready to get going, select .

Tip: To read a list of each turn along the route, select the next turn info area at the top of the screen.



Save a place

Before a trip, you might find it handy to save info about hotels, attractions, or petrol stations to your phone.

Select **maps**.

1. To search for an address or place, select  to see the toolbar, then select .
2. Write the name of the place or the address, then select from the matches.
3. On the map, select the place marker and  > .

View a saved place

In the main view, select  >  and the place.

Edit or remove a saved place

1. In the favourites view, select the place.
2. Select , then select **edit favourite** or **delete favourite**.



Explore places around you

Want to see what there is to see and do around you? You can select what sort of businesses or public places, such as restaurants, are shown on the map.

1. Select **maps**.
2. Select  to show the toolbar, then select  and the places to see.

Protect your phone



Password protect your memory card

Want to protect your memory card against unauthorised use? You can set a password to protect the content.

1. Select **files**.
2. Select and hold the memory card, then select **mem. card options**.
3. Select **set password**, then type in a password.

Keep the password secret and in a safe place, separate from the memory card.

Format a memory card

Want to delete all content from your memory card? When you format a memory card, all the data on it is deleted.

1. Select **files**.
2. Select and hold the memory card, then select **mem. card options**.
3. Select **format mem. card**.



Prepare your phone for recycling

If you buy a new phone, or otherwise want to dispose of your phone, Nokia recommends that you recycle your phone. Beforehand, remove all personal info and content from your phone.

Remove all content and restore settings to the original values

1. Back up the content you want to keep to a compatible memory card or to a compatible computer.
2. End all calls and connections.
3. Select **settings** and **restore factory sett.** > **all**.
4. Type in the security code.
5. Your phone switches off and then on again. Check carefully that all your personal content, such as contacts, photos, music, videos, notes, messages, mails, presentations, games, and other installed apps have been removed.

Content and info stored on the memory card or SIM card is not removed.

? Support and updates



Troubleshooting

If you have an issue, do the following:

- Switch the phone off, and remove the battery. After about a minute, put the battery back in, and switch the phone on again.
- Update your phone software: Select **settings** and **phone > device updates**.
- Restore the original factory settings: End all calls and connections, and select **settings** and **restore factory sett. > settings only**.

If your issue remains unsolved, contact Nokia for repair options at **www.nokia.com/support**. Before sending your phone for repair, back up your data, as all personal data in your phone may be deleted.

You can also go to **www.nokia.com/support** where you can find:

- Troubleshooting info
- News on apps and downloads
- Longer version of this user guide
- Software update info
- Details about features and technologies, and the compatibility of devices and accessories



Back up content to a memory card

Want to make sure you won't lose any important files? You can back up your phone memory to a compatible memory card.

Select **settings** > **sync & backup**.

1. Select **create backup**.
2. Select what you want to back up, then select ✓.

Restore a backup

Select **restore backup** and what you want to restore, then select ✓.

About phone software updates

Stay in step with the beat – update your phone software to get new and enhanced features for your phone. Updating the software may also improve your phone performance.

It is recommended that you back up your personal data before updating your phone software.

 Warning:

If you install a software update, you cannot use the device, even to make emergency calls, until the installation is completed and the device is restarted.

Using services or downloading content may cause transfer of large amounts of data, which may result in data traffic costs.

Before starting the update, connect a charger or make sure the device battery has enough power.

After the update, the instructions in the user guide may no longer be up to date. You may find the updated user guide at [**www.nokia.com/support**](http://www.nokia.com/support).



Update phone software using your PC

Update your phone software with the Nokia Suite PC app. You can also back up the photos and other stuff in your phone to your computer.

You need a compatible PC, a high-speed internet connection, and a compatible USB cable to connect your phone to the PC.

To get more info and to download the app, go to **www.nokia.com/support**.

See ➡ 9.



Update phone software using your phone

You can update your phone software wirelessly. You can also set your phone to automatically check for updates.

You can only update your software when using the SIM in the internal SIM holder.

Select **settings** and **phone > device updates**.

1. To check if there is an update, select **downl. phone sw**.
2. To download and install an update, select **downl. phone sw**, and follow the instructions shown on the phone.

The update may take several minutes. If you encounter problems, contact your network service provider.

Check for updates automatically

Select **auto SW update**, and set how often to check.

Your network service provider may send updates over the air directly to your phone. For more info on this network service, contact your network service provider.



Restore original settings

If your phone is not working properly, you can reset some settings to their original values.

1. End all calls and connections.
2. Select **settings** and **restore factory sett.** > **settings only**.
3. Type in the security code.

This does not affect documents or files stored on your phone.

After restoring the original settings, your phone switches off and then on again. This may take longer than usual.

Access codes

PIN or PIN2 code (4-8 digits)	These protect your SIM against unauthorised use or are required to access some features. You can set your phone to ask for the PIN code when you switch it on. If not supplied with your card or you forget the codes, contact your service provider. If you type in the code incorrectly three times in a row, you need to unblock the code with the PUK or PUK2 code.
PUK or PUK2 code (8 digits)	These are required to unblock a PIN or PIN2 code. If not supplied with your SIM, contact your service provider.
IMEI number (15 digits)	This is used to identify valid phones in the network. The number can also be used to block, for example, stolen phones. You may also need to give the number to Nokia Care services. To view your IMEI number, dial *#06#.
Lock code (security code) (min. 5 digits)	This helps you protect your phone against unauthorised use. You can set your phone to ask for the lock code that you define. The default lock code is 12345.

Keep the code secret and in a safe place, separate from your phone.

If you forget the code and your phone is locked, your phone will require service. Additional charges may apply, and all the personal data in your phone may be deleted.

For more information, contact Nokia Care or your phone dealer.

Product and safety information

Safety

Read these simple guidelines. Not following them may be dangerous or illegal. 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.



KEEP YOUR DEVICE DRY

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.

Feature specific instructions

➡ 1 Remember to comply with any applicable safety requirements.

Use only compatible memory cards approved by Nokia for use with this device. Incompatible cards may damage the card and the device and corrupt data stored on the card.

Important: This device is designed to be used with a standard 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 mini-UICC cutout.



If you only have one SIM card, put the card into the SIM1 card holder. Some features and services may only be available when using the SIM card in

the SIM1 card holder. If there is a SIM card only in the SIM2 card holder, you can only make emergency calls.

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 is unavailable.

➡ 2 If the battery is completely discharged, it may take several minutes before the charging indicator is displayed or before any calls can be made.

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.

➡ 3  **Important:** Avoid scratching the touch screen.

To enter the + character, used for international calls, select * twice.

➡ 4  **Warning:** When the flight profile is activated, you cannot make or receive any calls, including emergency calls, or use other features that require network coverage. To make a call, activate another profile.

Missed and received calls are logged only if supported by the network, and the phone is switched on and within the network service area.

You can only use speed dials for the contacts stored on your phone or on the SIM card in the internal SIM1 card holder.

➡ 5 Using services or downloading content may cause transfer of large amounts of data, which may result in data traffic costs.

➡ 6 You can send text messages that are longer than the character limit for a single message. Longer messages are sent as two or more messages. Your service provider may charge accordingly.

Characters with accents, other marks, or some language options, take more space, limiting the number of characters that can be sent in a single message.

➡ 7 If the item you insert in a multimedia message is too large for the network, the device may automatically reduce the size.

➡ 8 Only compatible devices can receive and show multimedia

messages. Messages may look different in different devices.

Sending a message with an attachment may be more expensive than sending a normal text message. For more information, contact your service provider.

Operating the device in hidden mode is a safer way to avoid malicious software. Do not accept Bluetooth connection requests from sources you do not trust. You can also switch the Bluetooth function off when you are not using it.

➡ 9 You can only use Nokia Suite with the SIM card in the internal SIM card holder.

Restoring settings does not affect documents or files stored on your phone.

To turn off notifications from social networking applications, on the apps screen, select **Notifications** >  > **settings**.

Network services and costs

Your device is approved for use on the EGSM 900 and 1800 MHz networks. To use the device, you need a subscription with a service provider.

Using some features and downloading content to your device requires a network connection and may result in data traffic costs. Some product features require support from the network, and you may need to subscribe to them.

Take care of your device

Handle your device, battery, charger and accessories with care. The following suggestions help you protect your warranty coverage.

- Keep the device dry. Precipitation, humidity, and all types of liquids or moisture can contain minerals that corrode electronic circuits. If your device gets wet, remove the battery, and allow the device to dry.
- Do not use or store the device in dusty or dirty areas. Moving parts and electronic components can be damaged.
- Do not store the device in high temperatures. High temperatures can shorten the life of the device, damage the battery, and warp or melt plastics.
- Do not store the device in cold temperatures. When the device

warms to its normal temperature, moisture can form inside the device and damage electronic circuits.

- Do not attempt to open the device other than as instructed in the user guide.
- Unauthorised modifications may damage the device and violate regulations governing radio devices.
- Do not drop, knock, or shake the device. Rough handling can break internal circuit boards and mechanics.
- Only use a soft, clean, dry cloth to clean the surface of the device.
- Do not paint the device. Paint can clog moving parts and prevent proper operation.
- Switch off the device and remove the battery from time to time for optimum performance.
- Keep your 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.

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. Check how to recycle your Nokia products at www.nokia.com/recycling.

Crossed-out wheeled-bin symbol



The crossed-out wheeled-bin symbol on your product, battery, literature, or packaging reminds you that all electrical and electronic products, batteries, and accumulators must be taken to separate collection at the end of their working life. This requirement applies in the European Union. Do not dispose of these products as unsorted municipal waste. For more environmental information, see the product Eco profile at www.nokia.com/ecoprofile.

About Digital Rights Management

When using this device, obey all laws and respect local customs, privacy and legitimate rights of others, including copyrights. Copyright protection may prevent you from copying, modifying, or transferring photos, music, and other content.

Content owners may use different types of digital rights management (DRM) technologies to protect their intellectual property, including copyrights. This device uses various types of DRM software to access DRM-protected content. With this device you can access content protected with OMA DRM 2.0. If certain DRM software fails to protect the content, content owners may ask that such DRM software's ability to access new DRM-protected content be revoked. Revocation may also prevent renewal of such DRM-protected content already in your device. Revocation of such DRM software does not affect the use of content protected with other types of DRM or the use of non-DRM-protected content.

Digital rights management (DRM) protected content comes with an

associated licence that defines your rights to use the content.

If your device has OMA DRM-protected content, to back up both the licences and the content, use the backup feature of Nokia Suite.

Other transfer methods may not transfer the licences which need to be restored with the content for you to be able to continue the use of OMA DRM-protected content after the device memory is formatted. You may also need to restore the licences if the files on your device become corrupted.

Tips and Offers

To help you take maximum advantage of your phone and services, you receive free customised text messages from Nokia. The messages contain tips and tricks and support.

To stop receiving the messages, select **settings > Nokia account > Tips and Offers**.

To provide the service described above, your mobile phone number, the serial number of your phone, and some identifiers of the mobile subscription are sent to Nokia when you use the phone for the first time. Some or all information may also be

sent to Nokia when updating software. This information may be used as specified in the privacy policy, available at www.nokia.com.

Batteries and chargers

Battery and charger info

Your device is intended for use with a BL-4U rechargeable battery. Nokia may make additional battery models available for this device. Always use original Nokia batteries.

This device is intended for use when supplied with power from the following chargers: AC-11. The exact Nokia charger model number may vary depending on the plug type, identified by E, X, AR, U, A, C, K, B, or N.

The battery can be charged and discharged hundreds of times, but it will eventually wear out. When the talk and standby times are noticeably shorter than normal, replace the battery.

Battery safety

Always switch the device off and unplug the charger before removing the battery. When you unplug a charger or an accessory, hold and pull the plug, not the cord.

When your charger is not in use, unplug it from the electrical plug and the device. Do not leave a fully charged battery connected to a charger, as overcharging may shorten the battery's lifetime. If left unused, a fully charged battery will lose its charge over time.

Always keep the battery between 15°C and 25°C (59°F and 77°F). 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, for example, if you carry a spare battery in your pocket. Short-circuiting may damage the battery or the connecting object.

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

Do not dismantle, cut, open, crush, bend, puncture, or shred cells or batteries. If a battery leaks, do not let battery liquid touch skin or eyes. If this happens, immediately flush the

affected areas with water, or seek medical help.

Do not modify, remanufacture, 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 batteries or incompatible 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 for inspection before continuing to use it. Never use a damaged battery or charger. Only use the charger indoors.

Additional safety information

Make an emergency call

- 1 Make sure the device is switched on.
- 2 Check for adequate signal strength. You may also need to do the following:
 - Put a SIM card in the device.
 - Switch the call restrictions off in your device, such as call barring, fixed dialling, or closed user group.

- Make sure the flight profile is not activated.
- If the device screen and keys are locked, unlock them.

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

 **Important:** Activate both cellular and internet calls, if your device supports internet calls. The device may attempt to make emergency calls both through cellular networks and through your internet call service provider. Connections in all conditions cannot be guaranteed. Never rely solely on any wireless device for essential communications like medical emergencies.

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 the function of inadequately protected medical devices. Consult a physician or the manufacturer of the medical device to determine whether they are adequately shielded from external radio frequency energy.

Implanted medical devices

Manufacturers of medical devices recommend a minimum separation of 15.3 centimetres (6 inches) between a wireless device and an implanted medical device, such as a pacemaker or implanted cardioverter defibrillator, to avoid potential interference with the medical device. Persons who have such devices should:

- Always keep the wireless device more than 15.3 centimetres (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.

Nickel

The surface of this device is nickel-free.

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. Nokia does not endorse or assume liability for such sites.

Operating environment

This device meets radio frequency exposure guidelines in the normal use position at the ear or at least 1.5 centimetres (5/8 inch) away from the

body. Any carry case, belt clip, or holder for body-worn operation should not contain metal and should position the device the above-stated distance from your body.

To send data files or messages requires a quality connection to the network. Data files or messages may be delayed until such a connection is available. Follow the separation distance instructions until the transmission is completed.

Vehicles

Radio signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles such as electronic fuel injection, electronic antilock braking, electronic speed control, and air bag systems. 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 or service may be dangerous and may invalidate your warranty. Check regularly that all wireless device equipment in your vehicle is mounted and operating properly. Do not store or carry flammable liquids, gases, or explosive materials in the same compartment

as the device, its parts, or accessories. Remember that air bags inflate with great force. Do not place your device or accessories in the air bag deployment area.

Potentially explosive environments

Switch your device off in any area with a potentially explosive atmosphere, for example near petrol pumps at service stations. Sparks in such areas could cause an explosion or fire resulting in bodily injury or death. Observe restrictions in fuel service stations, storage, and distribution areas; chemical plants; or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include areas where you would be advised to switch your vehicle engine off, below deck on boats, chemical transfer or storage facilities, and where the air contains chemicals or particles such as grain, dust, or metal powders. You should check with the manufacturers of vehicles using liquefied petroleum gas (such as propane or butane) to determine 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 recommended by international guidelines. These guidelines were developed by the independent scientific organisation ICNIRP and include safety margins designed to assure the protection of all persons, regardless of age and health.

The exposure guidelines for mobile devices employ a unit of measurement known as the Specific Absorption Rate or SAR. The SAR limit stated in the ICNIRP guidelines is 2.0 watts/kilogram (W/kg) averaged over 10 grams of tissue. Tests for SAR are conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands. The actual SAR level of an operating device can be below the maximum value because the device is designed to use only the power required to reach the network. That amount changes depending on a number of factors such as how close you are to a network base station.

The highest SAR value under the ICNIRP guidelines for use of the device at the ear is 0.93 W/kg.

Use of device accessories may result in different SAR values. SAR values may vary depending on national reporting and testing requirements and the network band. Additional SAR information may be provided under product information at www.nokia.com.

Copyright and other notices

DECLARATION OF CONFORMITY

CE 0168

Hereby, NOKIA CORPORATION declares that this RM-911 product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. A copy of the Declaration of Conformity can be found at <http://www.nokia.com/global/declaration/declaration-of-conformity>.

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