

NOKIA

Nokia 8 V 5G UW

User Guide

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1 About this user guide



Important: For important information on the safe use of your device and battery, read “Product and safety information” before you take the device into use. To find out how to get started with your new device, read the user guide.

2 Get started

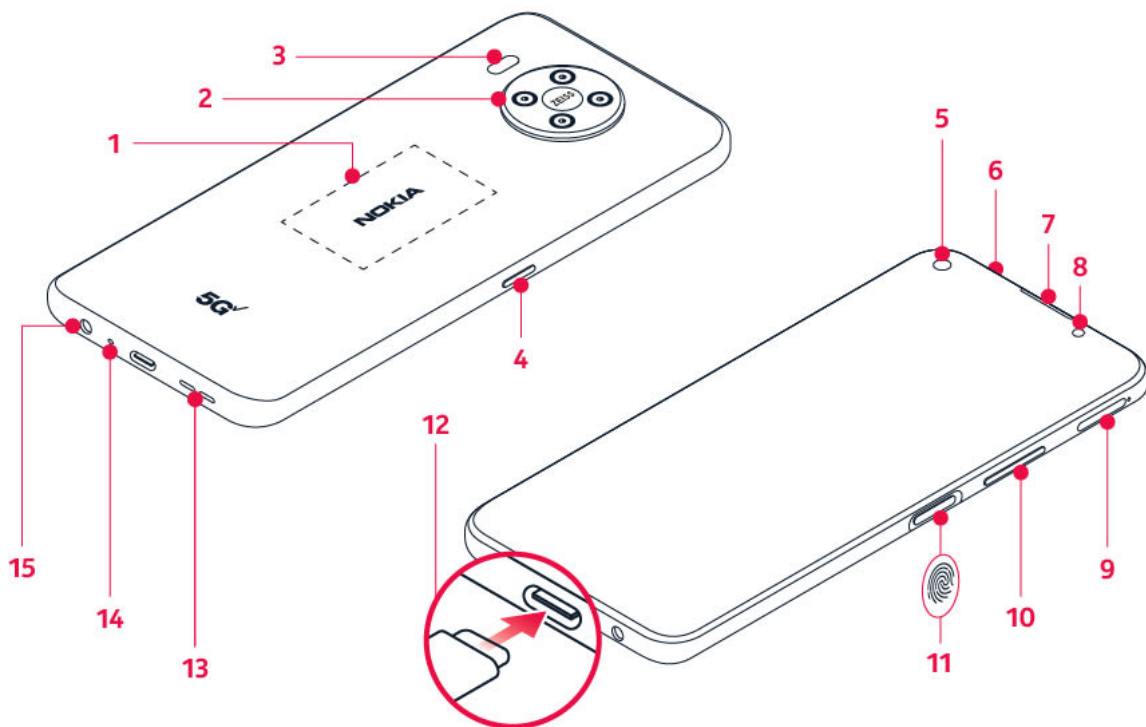
KEEP YOUR PHONE UP TO DATE

Your phone software

Keep your phone up to date and accept available software updates to get new and enhanced features for your phone. Updating the software may also improve your phone's performance.

KEYS AND PARTS

Your phone



- | | |
|-------------------------|---------------------------------------|
| 1. NFC area | 9. SIM and memory card slot |
| 2. Camera | 10. Volume keys |
| 3. Flash | 11. Power/Lock key/Fingerprint sensor |
| 4. Google Assistant key | 12. USB connector |
| 5. Front camera | 13. Loudspeaker |
| 6. Microphone | 14. Microphone |
| 7. Earpiece | 15. Headset connector |
| 8. Proximity sensor | |

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



Important: The device screen and back cover are made of glass. This glass can break if the device is dropped on a hard surface or receives a substantial impact. If the glass breaks, do not touch the glass parts of the device or attempt to remove the broken glass from the device. Stop using the device until the glass is replaced by authorized service personnel.

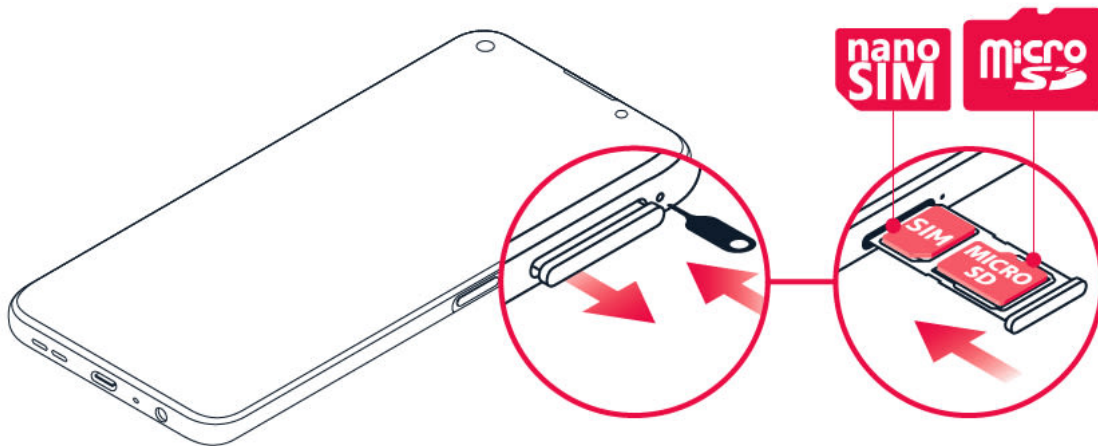
Parts and connectors, magnetism

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 stripe cards near the device for extended periods of time, since the cards may be damaged.

INSERT THE SIM AND MEMORY CARDS

Insert the SIM card



1. Open the SIM card tray: push the tray opener pin in the tray hole and slide the tray out.
2. If you have a single-SIM phone, put a nano-SIM card in slot 1 and a memory card in slot 2 on the tray with the contact areas face down. If you have a dual-SIM phone, put a nano-SIM card in slot 1 and either a second SIM or a memory card in slot 2 with the contact areas face down.
3. Slide the tray back in.

Use only original nano-SIM cards. Use of incompatible SIM cards may damage the card or the device, and may corrupt data stored on the card.

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



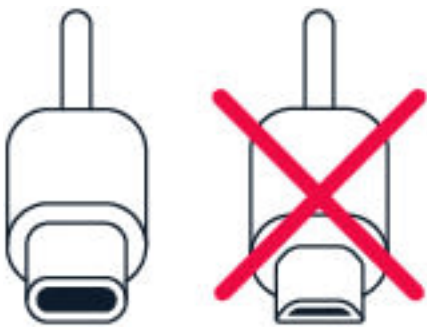
Important: Do not remove the memory card when an app is using it. Doing so may damage the memory card and the device and corrupt data stored on the card.



Tip: Use a fast, up to 512 GB microSD memory card from a well-known manufacturer.

CHARGE YOUR PHONE

Charge the battery



1. Plug a compatible charger into a wall outlet.
2. Connect the cable to your phone.

Your phone supports the USB type C cable. You can also charge your phone from a computer with a USB cable, but it may take a longer time.

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

SWITCH ON AND SET UP YOUR PHONE

When you switch your phone on for the first time, your phone guides you to set up your network connections and phone settings.

Switch on your phone

1. To switch on your phone, press and hold the power key until the phone vibrates.
2. When the phone is switched on, choose your language and region.
3. Follow the instructions shown on your phone.

Transfer data from your previous phone

You can transfer data from an old phone to your new phone using your Google account.

To back up data on your old phone to your Google account, refer to your old phone's user guide.

1. Tap **Settings** > **Accounts** > **Add account** > **Google**.
2. Select which data you want to restore on your new phone. The sync starts automatically once your phone is connected to the internet.

Restore app settings from your previous Android™ phone

If your previous phone was an Android, and back up to Google account is enabled on it, you can restore your app settings and Wi-Fi passwords.

1. Tap **Settings** > **System** > **Backup**.
2. Switch **Backup to Google Drive** to **On**.

LOCK OR UNLOCK YOUR PHONE

Lock your phone

If you want to avoid accidentally making a call when your phone is in your pocket or bag, you can lock your keys and screen.

To lock your keys and screen, press the power key.

Unlock the keys and screen

Press the power key, and swipe up across the screen. If asked, provide additional credentials.

USE THE TOUCH SCREEN

Important: Avoid scratching the touch screen. Never use an actual pen, pencil, or other sharp object on the touch screen.

Tap and hold to drag an item



Place your finger on the item for a couple of seconds, and slide your finger across the screen.

Swipe



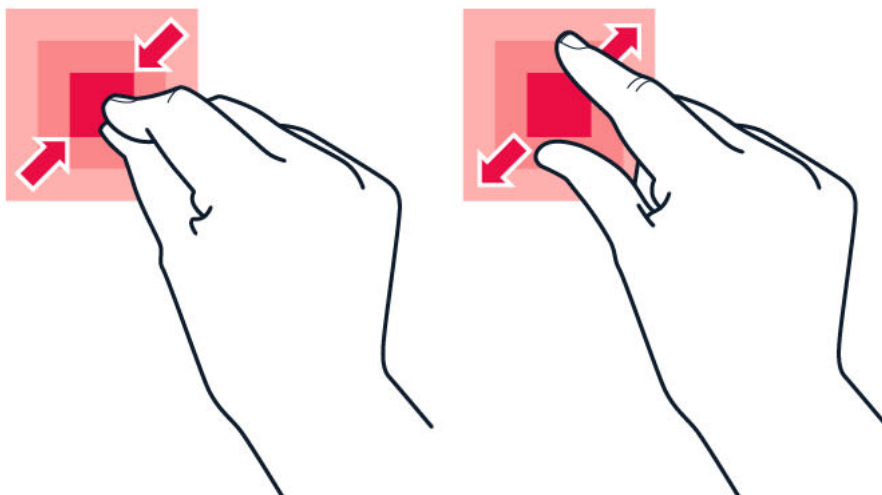
Place your finger on the screen, and slide your finger in the direction you want.

Scroll through a long list or menu



Slide your finger quickly in a flicking motion up or down the screen, and lift your finger. To stop the scrolling, tap the screen.

Zoom in or out



Place 2 fingers on an item, such as a map, photo, or web page, and slide your fingers apart or together.

Lock the screen orientation

The screen rotates automatically when you turn the phone 90 degrees.

To lock the screen in portrait mode, swipe down from the top of the screen, and tap **Auto-rotate**.




Navigate with gestures

To switch on using gesture navigation, tap **Settings** > **System** > **Gestures** > **System navigation** > **Gesture navigation**.

- To see all your apps, swipe up from the bottom of the screen.
- To go to the home screen, swipe up from the bottom of the screen. The app you were in stays open in the background.
- To see which apps you have open, swipe up from the bottom of the screen without releasing your finger until you see the apps, and then release your finger. To switch to another open app, tap the app. To close all the open apps, swipe right through all the apps, and tap **CLEAR ALL**.
- To go back to the previous screen you were in, swipe from the right or left edge of the screen. Your phone remembers all the apps and websites you've visited since the last time your screen was locked.

Navigate with keys

To switch on the navigation keys, tap **Settings** > **System** > **Gestures** > **System navigation** > **3-button navigation**.

- To see all your apps, swipe up the home key .
- To go to the home screen, tap the home key. The app you were in stays open in the background.
- To see which apps you have open, tap .
- To switch to another open app, swipe right and tap the app.
- To close all the open apps, swipe right through all the apps, and tap **CLEAR ALL**.
- To go back to the previous screen you were in, tap . Your phone remembers all the apps and websites you've visited since the last time your screen was locked.

3 Basics

PERSONALIZE YOUR PHONE

Change your wallpaper

Tap **Settings** > **Display** > **Advanced** > **Wallpaper**.

Change your phone ringtone

Tap **Settings** > **Sound** > **Phone ringtone**, and select the tone.

Change your message notification sound

Tap **Settings** > **Sound** > **Advanced** > **Default notification sound**.

NOTIFICATIONS

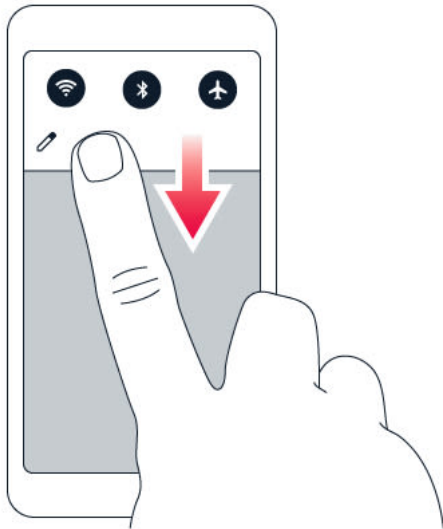
Use the notification panel

When you receive new notifications, such as messages or missed calls, indicator icons appear on the status bar at the top of the screen. To see more information about the notifications, drag the status bar down. To close the view, swipe up on the screen.


To open the notification panel, drag the status bar down. To close the notification panel, swipe up on the screen.

To change the notification settings of an app, tap **Settings** > **Apps & notifications** and tap the app name to open the app settings. Tap **Notifications**. You can turn off or on the notifications per each app individually.

Use the quick setting icons



To activate features, tap the quick settings icons on the notification panel. To see more icons, drag the menu down.

To rearrange the icons, tap , tap and hold an icon, and then drag it to another location.


CONTROL VOLUME

Change the volume



If you have trouble hearing your phone ringing in noisy environments, or calls are too loud, you can change the volume to your liking by using the volume keys on the side of your phone.

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.

Change the volume for media and apps

Press a volume key on the side of your phone to see the volume status bar, tap , and drag the slider on the volume bar for media and apps left or right.

Set the phone to silent

To set the phone to silent, press the volume down key, tap  to set your phone to vibrate only and tap  to set it to silent.

AUTOMATIC TEXT CORRECTION

Learn how to write text quickly and efficiently using the keyboard text correction.

Use keyboard word suggestions

Your phone suggests words as you write, to help you write quickly and more accurately. Word suggestions may not be available in all languages.

When you start writing a word, your phone suggests possible words. When the word you want is shown in the suggestion bar, select the word. To see more suggestions, tap and hold the suggestion.



Tip: If the suggested word is marked in bold, your phone automatically uses it to replace the word you wrote. If the word is wrong, tap and hold it to see a few other suggestions.

If you do not want the keyboard to suggest words while typing, turn off the text corrections. Tap **Settings** > **System** > **Languages & input** > **Virtual keyboard**. Select the keyboard you normally use. Tap **Text correction** and switch off the text correction methods you do not want to use.

Correct a word

If you notice that you have misspelled a word, tap it to see suggestions for correcting the word.

Switch spell checker off

Tap **Settings** > **System** > **Languages & input** > **Advanced** > **Spell checker**, and switch **Use spell checker** off.

GOOGLE ASSISTANT

Google Assistant is available in selected markets and languages only. Where not available, Google Assistant is replaced by Google Search. Check availability at <https://support.google.com/assistant>. Google Assistant can help you search information online, translate words and sentences, make notes and calendar appointments, for example. You can use Google Assistant even when your phone is locked. However, Google Assistant asks you to unlock your phone before accessing your private data.

Use the Google Assistant key

To access the Google Assistant services, press the Google Assistant key. When you press the key for the first time, you are asked to sign in with your Google account or create a new

account. To speak with Google Assistant, press the key and ask your question. You see Google Assistant's answer on your phone's display.

If your country or region does not support Google Assistant, you can still use the Google Assistant key:

- Press the key once to open Google Search.
- Press and hold the key to use Google voice search. Ask your question and release the key. You see Google's answer on your phone's display.

Switch off the Google Assistant key

To switch off the Google Assistant key, tap **Settings** > **System** > **Gestures** > **Google Assistant Button**, and switch **Google Assistant Button** off.

BATTERY LIFE

Get the most out of your phone while getting the battery life you need. There are steps you can take to save power on your phone.

Extend battery life

To save power:

1. Always charge the battery fully.
2. Mute unnecessary sounds, such as touch sounds. Tap **Settings** > **Sound** > **Advanced**, and under **Other sounds and vibrations**, select which sounds to keep.
3. Use wired headphones, rather than the loudspeaker.
4. Set the phone screen to switch off after a short time. Tap **Settings** > **Display** > **Advanced** > **Sleep** and select the time.
5. Tap **Settings** > **Display** > **Brightness level**. To adjust the brightness, drag the brightness level slider. Make sure that **Adaptive brightness** is disabled.
6. Stop apps from running in the background: tap **■**, swipe right through all the apps and tap **CLEAR ALL**.
7. Use location services selectively: switch location services off when you don't need them. Tap **Settings** > **Location**, and disable **Use location**.
8. Use network connections selectively: switch Bluetooth on only when needed. Use a Wi-Fi connection to connect to the internet, rather than a mobile data connection. Stop your phone scanning for available wireless networks. Tap **Settings** > **Network & Internet** > **Wi-Fi**, and disable **Use Wi-Fi**. If you're listening to music or otherwise using your phone, but don't want to make or receive calls, switch the airplane mode on. Tap **Settings** >

Network & Internet > **Airplane mode** .
Airplane mode closes connections to the

mobile network and switches your device's wireless features off.

ACCESSIBILITY

You can change various settings to make using your phone easier.

Increase or decrease the font size

Do you want to have larger fonts on your phone?

1. Tap **Settings** > **Accessibility** .
2. Tap **Font size** . To increase or decrease the font size, drag the font size level slider.

Increase or decrease the display size

Do you want to make the items on your screen smaller or larger?

1. Tap **Settings** > **Accessibility** .
2. Tap **Display size** and to adjust the display size, drag the display size level slider.

FM RADIO

To listen to the radio, you need to connect a compatible headset to the phone. The headset acts as an antenna. The headset may be sold separately.

Listen to FM radio

After you have connected the headset, tap **FM Radio** .

- To switch the radio on, tap ▶ .
- To find radio stations, tap ⋮ > **Scan** .
- To switch to another station, slide the channel frequency row left or right.
- To save a station, tap .
- To listen to a radio station using the phone's speakers, tap 🔊. Keep the headset connected.
- To switch the radio off, tap ⏻ .



Troubleshooting tip: If the radio doesn't work, make sure the headset is connected properly.

4 Connect with your friends and family

CALLS

Make a call

1. Tap .
2. Tap  and type in a number, or tap  and select a contact you want to call.
3. Tap .

Answer a call



If your phone rings when the screen is unlocked, tap **ANSWER**. If your phone rings when the screen is locked, swipe up to answer.

Reject a call


If your phone rings when the screen is unlocked, tap **DECLINE**. If your phone rings when the screen is locked, swipe down to reject the call.

CONTACTS

Save a contact from call history






1. Tap  >  to see your call history.
2. Tap the number you want to save.
3. Tap **Add contact**. If this is a new contact, type in the contact information, and tap **Save**. If this contact is already in your contacts list, tap **Add to existing**, select the contact, and tap **Save**.

Add a contact

1. Tap **Contacts** > .
2. Fill out the information.
3. Tap **Save**.

SEND MESSAGES

Send a message

1. Tap **Messages**.
2. Tap **Start chat**.
3. To add a recipient, tap , type in their number, and tap . To add a recipient from your contacts list, start typing their name and tap the contact.
4. To add more recipients, tap . After choosing all the recipients, tap .
5. Write your message in the text box.
6. Tap .



MAIL

Add a mail account

When you use the Gmail app for the first time, you are asked to set up your email account.

1. Tap **Gmail**.
2. You can select the address connected with your Google account or tap **Add an email address**.
3. After adding all the accounts, tap **TAKE ME TO GMAIL**.

Send mail

1. Tap **Gmail**.
2. Tap **Compose**.
3. In the **To** box, type in an address, or tap  > **Add from Contacts**.
4. Type in the message subject and the mail.
5. Tap .

5 Internet and connections

ACTIVATE WI-FI

Using a Wi-Fi connection is generally faster and less expensive than using a mobile data connection. If both Wi-Fi and mobile data connections are available, your phone uses the Wi-Fi connection.

Turn on Wi-Fi

1. Tap **Settings** > **Network & internet** > **Wi-Fi**.
2. Switch **Use Wi-Fi** on.
3. Select the connection you want to use.

Your Wi-Fi connection is active when  is shown on the status bar at the top of the screen.

Important: Use encryption to increase the security of your Wi-Fi connection. Using encryption reduces the risk of others accessing your data.



Tip: If you want to track locations when satellite signals are not available, for example when you're indoors or between tall buildings, switch Wi-Fi on to improve positioning accuracy.

BROWSE THE WEB

Use your phone to connect your computer to the web

It's simple to use the internet on your laptop on the go. Turn your phone into a Wi-Fi hotspot, and use your mobile data connection to access the internet with your laptop or other device.

1. Tap **Settings** > **Network & internet** > **Tethering & Mobile Hotspot**.
2. Switch on the **Mobile hotspot** to share your mobile data connection with a device, **USB tethering** to use a USB connection, or **Bluetooth tethering** to use Bluetooth.

The other device uses data from your data plan, which may result in data traffic costs. For info on availability and costs, contact your network service provider.

Start browsing

No need for a computer – you can easily browse the internet on your phone. Catch up on the news, and visit your favorite websites. You can use the browser on your phone to view web pages on the internet.

1. Tap **Chrome**.
2. Type a web address and tap →.

Search the web

Explore the web and the outside world with Google Search. You can use the keyboard to write your search words.

In Chrome,

1. Tap the search bar.
2. Write your search word in the search box.
3. Tap →.

You can also select a search word from the proposed matches.

BLUETOOTH®

You can connect wirelessly to other compatible devices, such as phones, computers, headsets, and car kits. You can also send your photos to compatible phones or to your computer.

Connect to a Bluetooth device

You can connect your phone with many useful Bluetooth devices. For example, with a wireless headset (sold separately), you can speak on the phone hands-free – you can continue what you're doing, such as working at your computer, during a call. Connecting a phone to a Bluetooth device is called pairing.

1. Tap **Settings** > **Connected devices** > **Connection preferences** > **Bluetooth**.
2. Switch **Bluetooth** to **On**.
3. Make sure the other device is switched on. You may need to start the pairing process from the other device. For details, see the user guide for the other device.
4. Tap **Pair new device** and tap the device you want to pair with from the list of discovered Bluetooth devices.
5. You may need to type in a passcode. For details, see the user guide for the other device.

Since devices with Bluetooth wireless technology communicate using radio waves, they do not need to be in direct line-of-sight. Bluetooth devices must, however, be within 10 meters (33 feet) of each other, although the connection may be subject to interference from obstructions such as walls or from other electronic devices.


Paired devices can connect to your phone when Bluetooth is switched on. Other devices can detect your phone only if the Bluetooth settings view is open.

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

Share your content using Bluetooth

If you want to share your photos or other content with a friend, send them to your friend's phone using Bluetooth.


You can use more than one Bluetooth connection at a time. For example, while using a Bluetooth headset, you can still send things to another phone.

1. Tap **Settings** > **Connected devices** > **Connection preferences** > **Bluetooth**.
2. Make sure Bluetooth is switched on in both phones and the phones are visible to each other.
3. Go to the content you want to send, and tap  > **Bluetooth**.
4. On the list of found Bluetooth devices, tap your friend's phone.
5. If the other phone needs a passcode, type in or accept the passcode, and tap **PAIR**.

The passcode is only used when you connect to something for the first time.

Remove a pairing

If you no longer have the device with which you paired your phone, you can remove the pairing.

1. Tap **Settings** > **Connected devices** > **PREVIOUSLY CONNECTED DEVICES**.
2. Tap  next to a device name.
3. Tap **FORGET**.

NFC

Explore the world around you. If your phone supports Near Field Communication (NFC), you can tap accessories to connect to them, and tap tags to call someone or open a website. The NFC functionality can be used with some specific services and technologies like tap to pay with your device. These services might not be available in your region. For additional info about the availability of these services, contact your network service provider.

Get started with NFC

Switch on the NFC features in your phone, and start tapping to share stuff or connect to devices. To see if your phone supports NFC, tap **Settings** > **Connected devices** > **Connection Preferences**.

With NFC, you can:

- Connect to compatible Bluetooth accessories that support NFC, such as a headset or a wireless loudspeaker.
- Tap tags to get more content for your phone, or to access online services.
- Pay with your phone, if supported by your network service provider.

The NFC area is on the back of your phone. Tap other phones, accessories, tags, or readers with the NFC area.

1. Tap **Settings** > **Connected devices** > **Connection preferences** > **NFC**.
2. Switch **NFC** on.

Before using NFC, make sure the screen and keys are unlocked.

Read NFC tags

NFC tags can contain info, such as a web address, a phone number, or a business card. The info you want is just a tap away.

To read a tag, tap the tag with the NFC area of your phone.



Note: Payment and ticketing apps and services are provided by third parties. HMD Global does not provide any warranty or take any responsibility for any such apps or services including support, functionality, transactions, or loss of any monetary value. You may need to reinstall and activate the cards you have added as well as the payment or ticketing app after repair of your device.

Connect to a Bluetooth accessory with NFC

Hands busy? Use a headset. Or why not listen to music using wireless speakers? You only need to tap the compatible accessory with your phone.

1. Tap the NFC area of the accessory with the NFC area of your phone.*
2. Follow the instructions on the screen.

*Accessories are sold separately. The availability of accessories varies by region.

Disconnect the connected accessory

If you don't need to be connected to the accessory anymore, you can disconnect the accessory.

Tap the NFC area of the accessory again.

For more info, see the accessory's user guide.

VPN

You may need a virtual private network (VPN) connection to access your company resources, such as intranet or corporate mail, or you may use a VPN service for personal purposes.

Contact your company IT administrator for details of your VPN configuration, or check your VPN service's website for additional info.

Use a secure VPN connection

1. Tap **Settings** > **Network & Internet** > **Advanced** > **VPN**.
2. To add a VPN profile, tap **+**.
3. Type in the profile info as instructed by your company IT administrator or VPN service.

Edit a VPN profile

1. Tap **⚙** next to a profile name.
2. Change the info as required.

Delete a VPN profile

1. Tap **⚙** next to a profile name.
2. Tap **FORGET VPN**.

6 Organize your day

DATE AND TIME

Set date and time

Tap **Settings** > **System** > **Date & time**.

Update the time and date automatically

You can set your phone to update the time, date, and time zone automatically. Automatic update is a network service and may not be available depending on your region or network service provider.

1. Tap **Settings** > **System** > **Date & time**.
2. Switch **Use network-provided date & time** on.
3. Switch **Use network-provided time zone** on.

Change the clock to the 24-hour format

Tap **Settings** > **System** > **Date & time**, and switch **Use 24-hour format** on.

ALARM CLOCK

Set an alarm

1. Tap **Clock** > **Alarm**.
2. To add an alarm, tap **+**.
3. To modify an alarm, tap it. To set the alarm to repeat on specific dates, check **Repeat** and highlight the days of the week.

Switch an alarm off

When the alarm sounds, swipe the alarm right.

CALENDAR

Manage calendars

Tap **Calendar** > ≡, and select what type of calendar you want to see.

Calendars are added automatically when you add an account to your phone. To add a new account with a calendar, go to the apps menu and tap **Settings** > **Accounts** > **Add account**.

Add an event

1. Tap **Calendar** > + and select the entry type.
2. Type in the details you want, and set the time.
3. To make an event repeat on certain days,
4. tap **Does not repeat**, and select how often the event should repeat.
5. To set a reminder, tap **Add notification**, set the time and tap **Done**,
6. Tap **Save**.



Tip: To edit an event, tap the event and , and edit the details.

Delete an appointment


1. Tap the event.
2. Tap **:** > **Delete**.

7 Camera



CAMERA BASICS

Take a photo



Shoot sharp and vibrant photos – capture the best moments in your photo album.

1. Tap **Camera**.
2. Take aim and focus.
3. Tap .


Take a selfie

1. Tap **Camera** >  to switch to the front camera.
2. Tap .

Take panoramas



1. Tap **Camera**.
2. Tap  > **Panorama**.
3. Tap  and follow the instructions on your phone.



Tip: With Google Lens, you can identify things, copy text, scan codes, and search for similar products, for example. You can use Google Lens with the photos you've already taken. Tap **Photos**, tap the photo, and tap .

VIDEOS

Record a video


1. Tap **Camera**.
2. To switch to the video recording mode, tap **Video**.
3. Tap  to start recording.
4. To stop recording, tap .
5. To go back to camera mode, tap **Photo**.



Tip: To record high-quality 2K videos, use the cinema mode. Tap **Camera** > **Cinema**.



USE YOUR CAMERA LIKE A PRO

Learn about your camera settings

In the Camera app, tap  to learn more about each setting.



Blur the background of your photo

If you want to blur the background of your photo, select the portrait mode and try out the different background blurring effects. You can use the portrait mode also with selfies.

1. Tap **Camera** > **Portrait** > .
2. Tap a mode and use the slider to select how strongly you want to apply the effect.
3. Tap .





Take a night shot

To take high quality photos at night or under low light circumstances, switch on the night mode.

1. Tap **Camera** >  > **Night**.
2. Tap .




Take a wide-angle photo

To take beautiful landscape photos, switch on the wide-angle mode.

1. Tap **Camera** >  > .
2. Tap . To go back to the normal mode, tap .

Take a macro photo

With the macro mode, you can capture even the tiniest details to your photo.

1. Tap **Camera** >  > .
2. Tap .

YOUR PHOTOS AND VIDEOS

View photos and videos on your phone

Tap **Photos**.


Copy your photos and videos to your computer

Do you want to view your photos or videos on a larger screen? Move them to your computer.

You can use your computer's file manager to copy or move your photos and videos to the computer.

Connect your phone to the computer with a compatible USB cable. To set the USB connection type, open the notification panel, and tap the USB notification.

Share your photos and videos


1. Tap **Photos**, tap the photo you want to share and tap .
2. Select how you want to share the photo or video.

8 Maps

FIND PLACES AND GET DIRECTIONS


Find a spot

Google Maps helps you find specific locations and businesses.


1. Tap **Maps**.
2. Write search words, such as a street address or place name, in the search bar.
3. Select an item from the list of proposed matches as you write, or tap  to search.

The location is shown on the map. If no search results are found, make sure the spelling of your search words is correct.

See your current location

Tap **Maps** > .

Get directions to a place


1. Tap **Maps** and enter your destination in the search bar.
2. Tap **Directions**. The highlighted icon shows the mode of transportation, for example . To change the mode, select the new mode under the search bar.
3. If you don't want the starting point to be your current location, tap **Your location**, and search for a new starting point.
4. Tap **Start** to start the navigation.

The route is shown on the map, along with an estimate of how long it takes to get there. To see detailed directions, tap **Steps & more**.

DOWNLOAD AND UPDATE MAPS

Download a map

Save new maps to your phone before a journey, so you can browse the maps without an internet connection when traveling.

1. Tap **Maps** >  > **Offline maps** > **SELECT YOUR OWN MAP**.
2. Select the area on the map and tap **DOWNLOAD**.

Update an existing map

1. Tap **Maps** > **≡** > **Offline maps** and the map name.
2. Tap **UPDATE**.

If the icon **≡** is not available, tap the icon for Google user account or your Google user account photo.



Tip: You can also set your phone to update the maps automatically. Tap **Maps** > **≡** > **Offline maps** > **⚙️** and switch **Automatically update offline maps** and **Automatically download offline maps** to **On**.

USE LOCATION SERVICES

Use Maps to find out where you are, attach your location to the photos you take. Location info can be attached to a photo or video, if your location can be determined using satellite or network technology. If you share a photo or video that contains location info, the location info may be shown to those who view the photo or video. Some apps can use your location info to offer you a wider variety of services.

Switch on location services

Your phone shows your location on the map using a satellite positioning system, Wi-Fi, or network (Cell ID) based positioning.

The availability, accuracy and completeness of the location info depend on, for example, your location, surroundings, and third party sources, and may be limited. Location info may not be available, for example, inside buildings or underground. For privacy info related to positioning methods, see the HMD Global Privacy Policy, available at <http://www.hmd.com/privacy>.

Some satellite positioning systems may require transferring small amounts of data over the mobile network. If you want to avoid data costs, for example when traveling, you can switch the mobile data connection off in your phone settings.

Wi-Fi positioning improves positioning accuracy when satellite signals are not available, especially when you are indoors or between tall buildings. If you're in a place where the use of Wi-Fi is restricted, you can switch Wi-Fi off in your phone settings.

Tap **Settings** > **Location**, and switch **Use location** on.

9 Apps, updates, and backups

GET APPS FROM GOOGLE PLAY

You need to have a Google account added to your phone to use Google Play services. Charges may apply to some of the content available in Google Play. To add a payment method, tap **Play Store** > **≡** > **Payment methods**. Always be sure to have a permission from the payment method owner when buying content from Google Play.

Add a Google account to your phone

1. Tap **Settings** > **Accounts** > **Add account** > **Google**. If asked, confirm your device lock method.
2. Type in your Google account credentials and tap **Next**, or, to create a new account, tap **Create account**.
3. Follow the instructions on your phone.

Download apps

1. Tap **Play Store**.
2. Tap the search bar to look for apps, or select apps from your recommendations.
3. In the app description, tap **Install** to download and install the app.

To see your apps, go to the home screen and swipe up from the bottom of the screen.

FREE UP SPACE ON YOUR PHONE

If your phone memory is getting full, move files to a memory card or delete unnecessary files.

Transfer files to a memory card

To move photos from your phone memory to a memory card, tap **Files** > **Images**. Press and hold the photo you want to move, and tap **⋮** > **Move to** > **SD card**.

To move documents and files, tap **Files** > **Documents & Other**. Tap **∨** next to the file name, and tap **Move to SD card**.

UPDATE YOUR PHONE SOFTWARE

Install available updates

Tap **Settings** > **System updates** > **Check for system updates** to check if updates are available.

When your phone notifies you that an update is available, just follow the instructions shown on your phone. If your phone is low on memory, you may need to move your photos and other stuff to the memory card.

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.

Before starting the update, connect a charger or make sure the device battery has enough power, and connect to Wi-Fi, as the update packages may use up a lot of mobile data.

BACK UP YOUR DATA

To ensure your data is safe, use the backup feature in your phone. Your device data (such as Wi-Fi passwords and call history) and app data (such as settings and files stored by apps) will be backed up remotely.

Switch on automatic backup

Tap **Settings** > **System** > **Advanced** > **Backup**, and switch back up on.

RESTORE ORIGINAL SETTINGS AND REMOVE PRIVATE CONTENT FROM YOUR PHONE

Accidents can happen – if your phone is not working properly, you can restore its settings. Or, 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.

Reset your phone

1. Tap **Settings** > **System** > **Advanced** > **Reset options** > **Erase all data (factory reset)**.
2. Follow the instructions shown on your phone.

10 Protect your phone

PROTECT YOUR PHONE WITH A SCREEN LOCK

You can set your phone to require authentication when unlocking the screen.

Set a screen lock

1. Tap **Settings** > **Security** > **Screen lock**.
2. Choose the type of lock and follow the instructions on your phone.

PROTECT YOUR PHONE WITH YOUR FACE

Set up face authentication



1. Tap **Settings** > **Security** > **Face unlock**.
2. Select what backup unlocking method you want to use for the lock screen and follow the instructions shown on your phone.

Keep your eyes open and make sure your face is fully visible and not covered by any object, such as a hat or sunglasses.



Note: Using your face to unlock your phone is less secure than using a fingerprint, pattern or password. Your phone may be unlocked by someone or something with similar appearance. Face unlock may not work properly in backlight or too dark or bright environment.

Unlock your phone with your face

To unlock your phone, just turn your screen on and look at the camera.

If there is a facial recognition error, and you cannot use alternative sign-in methods to recover or reset the phone in any way, your phone will require service. Additional charges may apply, and all the personal data on your phone may be deleted. For more info, contact the nearest authorized service facility for your phone, or your phone dealer.

PROTECT YOUR PHONE WITH YOUR FINGERPRINT

Add a fingerprint

1. Tap **Settings** > **Security** > **Fingerprint** . If you don't have screen lock set up on your phone, tap **Set up screen lock** .
2. Select what backup unlocking method you want to use for the lock screen and follow the instructions shown on your phone.

Unlock your phone with your finger

Place your registered finger on the power key.

If there is a fingerprint sensor error, and you cannot use alternative sign-in methods to recover or reset the phone in any way, your phone will require service by authorized personnel. Additional charges may apply, and all the personal data on your phone may be deleted. For more info, contact the nearest care point for your phone, or your phone dealer.

CHANGE YOUR SIM PIN CODE

If your SIM card came with a pre-set PIN code, you can change it to something more secure. Not all network service providers support this.

Select your SIM PIN

You can choose which digits to use for the SIM PIN. The SIM PIN code can be 4-8 digits.

1. Tap **Settings** > **Security** > **SIM card lock** .
2. Under the selected SIM card, tap **Change SIM PIN** .

ACCESS CODES

Learn what the different codes on your phone are for.

PIN or PIN2 code

PIN or PIN2 codes have 4-8 digits.

These codes protect your SIM card against unauthorized 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 you forget the codes or they aren't supplied with your card, contact your network service provider.

If you type in the code incorrectly 3 times in a row, you need to unblock the code with the PUK or PUK2 code.

PUK or PUK2 codes

PUK or PUK2 codes are required to unblock a PIN or PIN2 code.

If the codes are not supplied with your SIM card, contact your network service provider.

Lock code

Lock code is also known as security code or password.

The lock code helps you protect your phone against unauthorized use. You can set your phone to ask for the lock code that you define. 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 on your phone may be deleted. For more info, contact the nearest authorized service facility for your phone, or your phone dealer.

IMEI code

The IMEI code is used to identify phones in the network. You may also need to give the number to your authorized service facility or phone dealer. To view your IMEI code:

- dial *#06#
- check the original sales box

If the IMEI code is printed on your phone, you may find it, for example, on the SIM tray or under the back cover, if your phone has a removable cover.

Locate or lock your phone

If you lose your phone, you may be able to find, lock, or erase it remotely if you have signed in to a Google Account. Find My Device is on by default for phones associated with a Google Account.

To use Find My Device, your lost phone must be:

- Turned on
- Signed in to a Google Account
- Connected to mobile data or Wi-Fi
- Visible on Google Play
- Location turned on
- Find My Device turned on

When Find My Device connects with your phone, you see the phone's location, and the phone gets a notification.

1. Open android.com/find on a computer, tablet or phone connected to the internet and sign in to your Google Account.
2. If you have more than one phone, click the lost phone at the top of the screen.
3. On the map, see about where the phone is. The location is approximate and may not be accurate.

If your device can't be found, Find My Device will show its last known location, if available. To lock or erase your phone, follow the instructions on the web site.

11 安全 警告 符号 和 图标

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.

请仔细阅读以下安全警告和图标。



请勿在驾驶或操作机械时使用手机。使用手机可能会导致事故。请勿在驾驶或操作机械时使用手机。使用手机可能会导致事故。请勿在驾驶或操作机械时使用手机。使用手机可能会导致事故。

请勿在驾驶或操作机械时使用手机。



请勿在驾驶或操作机械时使用手机。使用手机可能会导致事故。请勿在驾驶或操作机械时使用手机。使用手机可能会导致事故。

请仔细阅读以下安全警告和图标。



请勿在雷雨天气使用手机。使用手机可能会导致事故。请勿在雷雨天气使用手机。使用手机可能会导致事故。

- ⓘ **Important:** 5G might not be supported by your network service provider or by the service provider you are using when traveling. Ask your network service provider for details. If 5G is not supported by your network service provider, it is recommended that you change the highest connection speed from 5G to 4G. To do this, on the home screen, tap **Settings** > **Network & internet** > **Mobile network**, and switch **Preferred network type** to **LTE**.
- ⓘ **Note:** Using Wi-Fi may be restricted in some countries. For example, in the EU, you are only allowed to use 5150–5350 MHz Wi-Fi indoors, and in the USA and Canada, you are only allowed to use 5.15–5.25 GHz Wi-Fi indoors. For more info, contact your local authorities.


EMERGENCY CALLS

- ⓘ **Emergency calls:** You can make emergency calls even if your phone is locked. However, you may not be able to make emergency calls if you are in a restricted area or if you are using a restricted service plan. For more information, contact your local authorities.

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.

On the home screen, tap .

1. Type in the official emergency number for your present location. Emergency call numbers vary by location.
2. Tap .
3. 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 you don't have a SIM card, on the lock screen, tap **Emergency**.
- If your phone asks for a PIN code, tap **Emergency**.
- Switch the call restrictions off in your phone, such as call barring, fixed dialling, or closed user group.
- If the mobile network is not available, you may also try making an internet call, if you can access the internet.

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, dim display during a video call, close apps, switch off charging, and if necessary, switch itself off. If the device is not working properly, take it to the nearest authorized service facility.

Recycling information



This device is made of plastic, metal, and other materials. It is important to recycle it properly. Do not throw it away in the trash. Instead, take it to a recycling center or a service center. Recycling helps protect the environment and saves resources. For more information, visit [www.nokia.com/recycling](#) or contact your local recycling authority. (Some countries may have specific recycling rules.)

temperatures and lose enough power to switch off the phone within minutes. When you are outdoors in cold temperatures, keep your phone warm.

Obey local regulations. Recycle when possible. Do not dispose as household waste.

Do not expose the battery to extremely low air pressure or leave it to extremely high temperature, for example dispose it in a fire, as that may cause the battery to explode or leak flammable liquid or gas.

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. When charger is not included in the sales pack, charge your device using the data cable (included) and a USB power adaptor (may be sold separately). You can charge your device with third-party cables and power adaptors that are compliant with USB 2.0 or later and with applicable country regulations and international and regional safety standards. Other adaptors may not meet applicable safety standards, and charging with such adaptors could pose a risk of property loss or personal injury.

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

Additionally, the following applies if your device has a removable battery:

- Always switch the device off and unplug the charger before removing any covers or the battery.
- 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.

安全警告

在低温下，手机可能会因电量耗尽而在几分钟内关机。如果您在低温下在户外，请保持手机温暖。

遵守当地法规

请仅将电池和充电器用于其 intended 用途。不当使用，或使用未经批准或不兼容的电池或充电器可能会带来火灾、爆炸或其他危险，并可能使任何批准或保修无效。如果您认为电池或充电器已损坏，请在继续使用之前将其带到服务中心或手机经销商处。切勿使用损坏的电池或充电器。只能在室内使用充电器。不要在雷暴期间为您的设备充电。如果充电器不在销售包中，请使用数据电缆（随附）和 USB 电源适配器（可能单独出售）。您可以使用符合 USB 2.0 或更高版本以及适用国家法规和 international 和 regional 安全标准的第三方电缆和电源适配器。其他适配器可能不符合 applicable 安全标准，使用此类适配器可能会带来财产损失或人身伤害。

මෙහි ඇති සියලුම අංක සහ විස්තර SAR-හි ඇති සියලුම අංක සහ විස්තර මගින් පරිමාණය කර ඇත. මෙහි ඇති සියලුම අංක සහ විස්තර SAR-හි ඇති සියලුම අංක සහ විස්තර මගින් පරිමාණය කර ඇත. මෙහි ඇති සියලුම අංක සහ විස්තර SAR-හි ඇති සියලුම අංක සහ විස්තර මගින් පරිමාණය කර ඇත.

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මෙහි ඇති සියලුම අංක සහ විස්තර SAR-හි ඇති සියලුම අංක සහ විස්තර මගින් පරිමාණය කර ඇත. මෙහි ඇති සියලුම අංක සහ විස්තර SAR-හි ඇති සියලුම අංක සහ විස්තර මගින් පරිමාණය කර ඇත. මෙහි ඇති සියලුම අංක සහ විස්තර SAR-හි ඇති සියලුම අංක සහ විස්තර මගින් පරිමාණය කර ඇත.

මෙහි ඇති සියලුම අංක සහ විස්තර SAR-හි ඇති සියලුම අංක සහ විස්තර මගින් පරිමාණය කර ඇත. මෙහි ඇති සියලුම අංක සහ විස්තර SAR-හි ඇති සියලුම අංක සහ විස්තර මගින් පරිමාණය කර ඇත.

මෙහි ඇති සියලුම අංක සහ විස්තර SAR-හි ඇති සියලුම අංක සහ විස්තර මගින් පරිමාණය කර ඇත. මෙහි ඇති සියලුම අංක සහ විස්තර SAR-හි ඇති සියලුම අංක සහ විස්තර මගින් පරිමාණය කර ඇත. මෙහි ඇති සියලුම අංක සහ විස්තර SAR-හි ඇති සියලුම අංක සහ විස්තර මගින් පරිමාණය කර ඇත.

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Switch on the night light



If you need to look at your screen in dim light, switch on the night light. Tap **Settings** > **Display** > **Night Light** > **TURN ON NOW**. The display is tinted warm yellow. To switch off the night light, tap **TURN OFF NOW**.

For more information, go to <https://community.phones.nokia.com/discussion/58405/low-blue-light-mode-certified-by-tuev-rheinland/p1>.