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### FIND PLACES AND GET DIRECTIONS

#### Find a spot

**Google Maps** helps you find specific locations and businesses.


1. Tap **Maps**.
2. Enter 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 should take 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 travelling.

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 information 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 information depend on your location, surroundings, third-party sources, and other factors, and may be limited. Location information may not be available inside buildings or underground, for example. For privacy info related to positioning methods, see the HMD Global Privacy Policy, available at <http://www.nokia.com/phones/privacy>.

Some satellite positioning systems may require small amounts of data to be transferred over the mobile network. If you want to avoid data costs, when travelling, for example, 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.

## 10 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 make sure you have permission from the bill payer 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.

### UPDATE YOUR PHONE SOFTWARE

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

#### Install available updates

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

When your phone notifies you that an update is available, just follow the instructions shown on the screen. 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** > **Backup**, and switch backup 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.

## 11 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 FINGERPRINT

#### Add a fingerprint

1. Tap **Settings** > **Security** > **Fingerprint**.
2. Select which 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 sensor.

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 authorised personnel. Additional charges may apply and all the personal data on your phone may be deleted. For more information, contact the nearest care point for your phone or your phone dealer.

### CHANGE YOUR SIM PIN

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 code

You can choose which digits to use for the SIM PIN. The SIM PIN 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

PINs or PIN2s have 4-8 digits.

These codes protect your SIM card against unauthorised use or are required to access some features. You can set your phone to ask for the PIN 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 enter the code incorrectly 3 times in a row, you'll 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.

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

### Lock code

Also known as a security code or password.

The lock code helps you protect your phone against unauthorised 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 authorised 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 authorised 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](https://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 website.

## 12 Product and safety information

### FOR YOUR SAFETY

Read these simple guidelines. Not following them may be dangerous or against local laws and regulations. For further information, 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.



**AUTHORISED SERVICE**



Only authorised personnel may install or repair this product.

**BATTERIES, CHARGERS, AND OTHER ACCESSORIES**



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

**KEEP YOUR DEVICE DRY**



If your device is water-resistant, please refer to its IP rating for more detailed guidance.

**GLASS PARTS**



The device and/or its screen is 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 authorised service personnel.

## PROTECT YOUR HEARING



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

## SAR

**SAR**

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

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

## NETWORK SERVICES AND COSTS

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



**Important:** 4G/LTE might not be supported by your network service provider or by the service provider you are using when travelling. In these cases, you may not be able to make or receive calls, send or receive messages, or use mobile data connections. To make sure your device works seamlessly when full 4G/LTE service is not available, it is recommended that you change the highest connection speed from 4G to 3G. To do this, on the home screen, tap **Settings** > **Network & Internet** > **Mobile network** and switch **Preferred network type** to **3G**.


## EMERGENCY CALLS




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

Before making the call:

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

On the home screen, tap 

1. Enter the official emergency number for your present location. Emergency call numbers vary by location.
2. Tap .
3. Give the necessary information 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, 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.

## User Guide

- Keep the device dry. Precipitation, humidity, and all types of liquid 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.
- Unauthorised 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 information.

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 authorised service facility.

## RECYCLE



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

## CROSSED-OUT WHEELIE BIN SYMBOL

### Crossed-out wheelie bin symbol



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

## BATTERY AND CHARGER INFORMATION

### Battery and charger information

To check if your phone has a removable or non-removable battery, see the Get started guide.

**Devices with a removable battery** Only use your device with its original rechargeable battery. 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.

**Devices with a non-removable battery** Do not attempt to remove the battery, as you may damage the device. To replace the battery, take the device to your nearest authorised service facility.

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, take the device to the nearest authorised service facility to have the battery replaced.

Charge your device with the provided charger. Charger plug types may vary. Charging time can vary depending on device capability.

### Battery and charger safety information

Once your device is fully charged, unplug the charger from the device and electrical outlet. Please note that continuous charging should not exceed 12 hours. If left unused, a fully charged battery will lose its charge over time.

Extreme temperatures reduce the capacity and lifetime of the battery. Always keep the battery between 15°C and 25°C (59°F and 77°F) for optimal performance. A device with a

hot or cold battery may not work temporarily. Note that the battery may drain quickly in cold temperatures and lose enough power to switch off the phone within minutes. When you are outdoors in cold temperatures, keep your phone warm.

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

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

Use the battery and charger for their intended purposes only. Improper use of, or use of unapproved or incompatible, batteries or chargers may present a risk of fire, explosion, or other hazards, and may invalidate any approval or warranty. If you believe the battery or charger is damaged, take it to a service centre or your local phone shop 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.

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

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

## **SMALL CHILDREN**

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

## **MEDICAL DEVICES**

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

## **IMPLANTED MEDICAL DEVICES**

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

## User Guide

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

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

## HEARING



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

Some wireless devices may interfere with some hearing aids.

## PROTECT YOUR DEVICE FROM HARMFUL CONTENT

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

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

## VEHICLES

Radio signals may affect improperly installed or inadequately shielded electronic systems in vehicles. For more information, check with the manufacturer of your vehicle or its equipment. Only authorised personnel should install the device in a vehicle. Faulty installation may be dangerous and invalidate your warranty. Check regularly that all wireless device equipment in

your vehicle is mounted and operating properly. Do not store or carry flammable or explosive materials in the same compartment as the device, its parts, or accessories. Do not place your device or accessories in the air bag deployment area.

## POTENTIALLY EXPLOSIVE ENVIRONMENTS

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

## CERTIFICATION INFORMATION (SAR)

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

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

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

Please refer to [www.nokia.com/phones/sar](http://www.nokia.com/phones/sar) for the maximum SAR value of the device.

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

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

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

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



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

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

## 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.

## COPYRIGHTS AND OTHER NOTICES

### Copyrights and other notices

The availability of some products, features, applications and services described in this guide may vary by region and require activation, sign up, network and/or internet connectivity and an appropriate service plan. For more information, contact your dealer or your service provider. This device may contain commodities, technology, or software subject to export laws and regulations from the USA and other countries. Diversion contrary to law is prohibited.

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Certain features, functionality, and product specifications may be network dependent and subject to additional terms, conditions, and charges.

All specifications, features, and other product information provided are subject to change without notice.

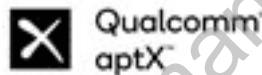
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