Gigaset

GS160

You can also find the user guide
online on your smartphone

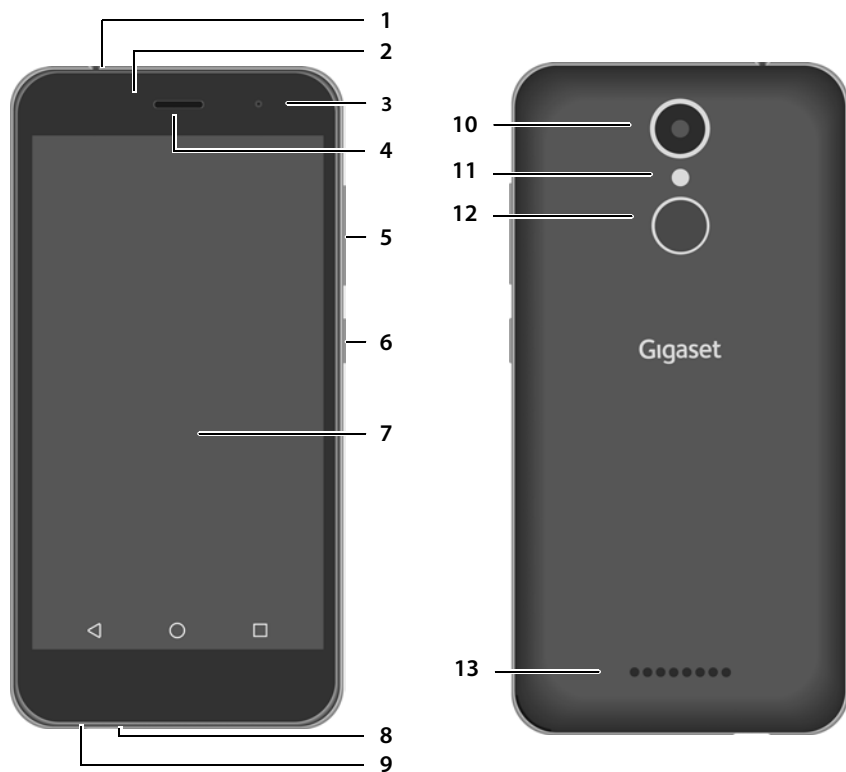# Contents

> ⓘ Not all functions described in the user guide are available in all countries or from all network providers.

Overview

Gigaset GS160

1. **Headset connector** (3.5 mm jack)
2. **Light / proximity sensor**
3. **Front camera**
4. **Receiver**
5. **Volume button** (top: +, bottom: –)
6. **On/Off button**
7. **Touchscreen**
8. **Micro-USB socket**
9. **Microphone**

10. **Rear camera**
11. **Flash / torch**
12. **Fingerprint sensor**
13. **Speaker**

Start screen

Notifications and Status bar

Icons show the arrival of notifications and various states (➔ p. 84)

Access to notifications (➔ p. 22)

Access to quick settings (➔ p. 17)

Google search (➔ p. 16)

Area for apps and widgets

They can be placed anywhere (➔ p. 20)

Start screen display

Number of start screens / position of the current start screen (➔ p. 21)

Favourites bar

Access to the App menu and frequently used apps (➔ **p. 20)**

Navigation buttons (➔ p. 17)

Illustration in the user guide

Icons

⚠	Warnings, the non-adherence to which can result in damage to devices or personal injury.
❶	Important information regarding function and appropriate handling or functions that could generate costs.
✓	Prerequisite for carrying out the following action.
ⓘ	Additional helpful information.

Procedures

Example: Change the time for transitioning to the idle status

▶ 🌐 ▶ ⚙ **Settings** ▶ **Device – Display** ▶ **Sleep** ▶ Select time

Step	Follow this procedure
▶ 🌐	Tap the icon in the middle of the Favourites bar. The App menu opens. **Note:** You can skip this step if the app you want to open is on a start screen.
▶ ⚙ **Settings**	Tap the **Settings** app. The Settings menu opens.
▶ **Device – Display**	In the **Device** area, tap **Display**.
▶ **Sleep**	Tap **Sleep**.
▶ Select time	Tap the required time ⦿ = Selected, ◯ = Not selected

Safety precautions

Please read these instructions carefully. Failure to comply presents a risk of injury and damage to a device, as well as breaches of applicable laws.

Please explain to your children the contents of this document as well as the potential risks associated with using this device.

	Only use chargers approved and certified by Gigaset. Using incompatible chargers can damage the mobile phone and entail hazardous situations.
	This product is fitted with batteries and must not be disposed of in normal household waste at the end of its life. The symbol with the crossed-out waste bin indicates that the product must be disposed of at a suitable collection point for recycled electric and electronic devices.
	The function of medical equipment near your product can be impaired. Bear in mind the technical conditions of the environment in question (such as in doctors' surgery). If you use a medical device such as a pacemaker, please consult the manufacturer of the product before using the product. You will be provided information on the sensitivity of the device to external, high-frequency energy sources.
	This device is not waterproof. Do not keep the device or its accessories in moist environments (in bathrooms and shower rooms for example). Rain, moisture, liquids and water potentially contain minerals which can cause the electrical circuitry to corrode.
	Switch off your mobile phone when in potentially explosive areas and observe all warning signs. Potentially explosive areas also include places where switching off vehicle engines is normally recommended. It is at these kinds of places that flying sparks can be the cause of explosions or fires with resulting injuries, and there may be a risk to life. This pertains to petrol stations and chemical factories for example. These areas include spaces under ship decks, transportation and storage systems for hazardous chemicals, areas in which the air contains chemical substances or fine particles (such as dust or metal powder particles).
	Dispose of faulty devices or have them repaired by our Customer service team. These devices could interfere with other wireless services.
	Do not use the device if the display is cracked or shattered. Fragments of glass and plastic can injure hands and face. Send the device in to Customer service for repair.

	High volumes can impair hearing.
	Listening to music or conversation with headphones set to a loud volume can be unpleasant and permanently impair hearing.
	To prevent loss of hearing, do not have the volume turned up too high for long periods.
	If you wear headphones whilst out walking or jogging, please ensure that the cord does not wrap itself around your body or objects on your person.
	Only wear headphones in dry environments. The static electricity which builds up on the headphones can discharge via your ears as an electric shock. The static electricity can discharge if you touch the headphones with your hand or touch bare metal before connecting with the mobile phone.

Emergency calls

Make sure the mobile phone is switched on and connected to the GSM network. Enter the emergency number as required and speak.

Tell the person at the emergency call centre your location.

Do not end the conversation until the person at the emergency call centre asks you to.

Children and pets

Keep the mobile phone, batteries, chargers and accessories out of the reach of children and pets. Children and/or pets can swallow the small parts, posing a risk of suffocation and other hazards. A child may only use the mobile phone under the supervision of an adult.

Hospitals and medical equipment

- Heart pacemakers, implantable cardioverter defibrillators:
  When you switch on your mobile phone, ensure that the distance between the phone and an implant is at least 152 mm. To reduce potential interference, use the mobile phone on the opposite side to the implant. Please switch the mobile phone off immediately if interference occurs.
  Do not keep the mobile phone in a shirt pocket.
- Hearing aids, cochlear implants:
  Some digital wireless devices can interfere with hearing aids and cochlear implants. Please consult the manufacturers of these products if interference occurs.
- Other medical devices:
  If you and the people around you use other medical devices, please contact the relevant manufacturer for information on whether such devices are protected from radio frequency signals in the environment. You can also consult your doctor about this.

Switch off your mobile phone in aeroplanes

Please observe applicable restrictions and regulations.

Wireless devices can interfere with the function of aeronautical equipment. Follow the instructions issued by flight personnel when using your mobile phone.

Vehicles and road safety

The absolute priority for every vehicle driver and everyone in a vehicle is safety on the roads and for road users. Using a mobile phone whilst driving can be distracting and therefore lead to dangerous situations. You can also be violating applicable laws.

Use a qualified maintenance service

The installation and repair of products are the sole preserves of qualified maintenance personnel.

Battery

> ⚠ Not replacing the battery properly can cause a risk of explosion.
> Dispose of used batteries in line with the instructions.

- Never burn or heat batteries, and do not dispose of them in environments which are at risk of heat or fire to prevent battery fluid escaping, overheating, explosion and fire. Do not disassemble, weld and/or modify the battery. Do not keep the battery where it is exposed to strong mechanical effects.
- Do not pierce the battery with sharp objects – the battery fluid can escape and the battery can overheat, explode or catch fire. Crushing, heating and burning batteries are strictly prohibited.
- Do not use any sharp objects (such as screwdrivers) to touch and pierce the battery. All of the actions mentioned present a risk of the battery catching fire and burning.
- The battery electrolyte coming into contact with eyes can cause a loss of eyesight. If electrolyte does enter an eye, please do not rub the eye with a hand. Immediately wash the affected eye thoroughly with clear water and consult a doctor.
  The electrolyte coming into contact with skin (or clothing) presents a risk of skin burns. Immediately wash the skin or clothing thoroughly with soap and clear water, and consult a doctor if required.
- Never use batteries for purposes other than those specified. Never use a damaged battery. If the battery becomes hot, discolours, deforms or becomes leaky whilst being used, charged or kept in a safe place, it must be replaced immediately by a new battery for safety reasons.
- The battery is not waterproof. Never use or charge the battery in a kitchen, bathroom or places with high temperatures or high humidity levels.
- The battery temperature rises during the charging process. Do not keep the battery together with ignitable products in the same drawer as this poses a risk of fire.
- The USB connection must be established with USB version 2.0 or higher.
- Caution: Dispose of used batteries in line with the instructions (Section Waste and environmental protection ➜ p. 83).

Charger

- Only use the charger indoors.
- The socket must be easily accessible during the charging process.
- Whilst the phone is charging, do not use the phone for calls or dial any numbers.
- Electrical storms pose a risk of electric shocks.
- Short-circuiting, disassembling and modifying the mobile phone are not permitted because they present a risk of injury, electric shock, fire or damage to the charger.
- The charger is not waterproof. Never use the charger in a kitchen, bathroom or places with high temperatures or high humidity levels as this poses a risk of electric shock, fire and damage to the charger.
- Never charge a mobile phone without the battery inserted.
- Do not use the charger when the power cable is damaged or no battery is inserted in the mobile phone because this poses a risk of electric shock and fire.

- Only charge the device when the ambient temperature is between 0°C and 40° C.

SIM card, memory card and data connector cable
- Use the right slot/interface when inserting and removing the SIM card, memory card and data connector cable.
- Do not remove the card from the mobile phone whilst data is being sent or received as this presents a risk of data loss and damage to the mobile phone or memory card.
- Do not exert any force when inserting the SIM or memory card and when connecting the data cable - because doing so might damage the phone and other parts.
- Charges might apply when establishing Internet connections via the SIM card.

Playing games
Playing games on the mobile phone for long periods may mean assuming an unhealthy body posture. Take a 15 minute break every hour. Stop immediately if you feel unwell during game play.

Consult a doctor straight away if your condition persists.

More important information on safety
- For your own safety, only use original, approved accessories from Gigaset for your mobile phone. Original accessories can be purchased from Gigaset Customer service (see Customer service ➔ p. 82).
- Do not charge the battery for longer than 12 hours.
- In the event of malfunction of your mobile phone, battery or accessories, please contact a Gigaset Service Centre for an inspection.
- Never point the flash light directly at the eyes of people or animals. Pointing a flash light too near to human eyes poses a risk of temporary loss of eyesight or impairment of vision.
- The device can heat up when running power-intensive apps or programs for longer periods. This is normal and has no bearing on the performance of the device.
- When the device warms up, please put it aside for a while and stop the program you were running. Coming into contact with a hot device can cause minor skin irritations such as redness.

Important information on using and safekeeping
- The mobile phone must not be used or kept in dusty or dirty places. Dust can be a reason for the mobile phone to malfunction.
- The mobile phone must not be used or kept in excessively hot places. High temperatures can shorten the life of electronic devices and damage the battery, and some plastic parts can deform or melt.
- The mobile phone must not be used or kept in refrigerated areas. Because the mobile phone stabilises to the ambient temperature, condensation can form inside the phone, damaging beyond repair the electronic circuitry. Mobile charging temperature: 0-40°C, mobile use (discharge) temperature: 0-40°C.
- Ensure your mobile phone is not dropped or shaken, or exposed to any impact. Treating the mobile phone without due care can shatter the display and damage the electronic circuitry and sensitive parts inside.
- Do not apply lacquer to the mobile phone. Lacquer and paint can damage the parts of the mobile phone and may cause malfunction.

Getting started

Contents of the package

- A Gigaset GS160 smartphone
- A battery
- A charger cable with power adapter

Getting started

Opening the device

▸ Place your fingernail into the notch in the bottom left of the cover and pull the cover up.

Inserting SIM and SD cards

▸ Insert a Micro-SIM card into the SIM card slot 1 and push it backwards.

The Gigaset GS160 is a dual SIM smartphone: ▸ Insert a second SIM card into the card slot 2 as required.

Inserting an SD card (optional)

To store personal data, photos, videos and music, you can insert a MicroSD card into the smartphone.

▸ Insert a MicroSD card into the SD slot 3 and push it backwards.
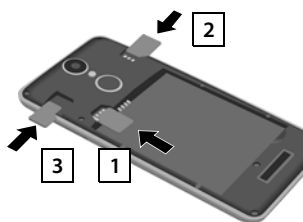
> (i) The device detects SD cards with a storage capacity of 32 GB. Higher capacity cards (to 128 GB) can be used if formatted on the GS160 (not from a PC).

Inserting the battery

▸ Insert the battery into the device with the connector contacts facing forwards ▸ Insert the battery downwards into the battery compartment.

Removing the battery:

▸ To change the battery, place your fingernail into the recess 1 on the right of the battery compartment and pull the battery up.
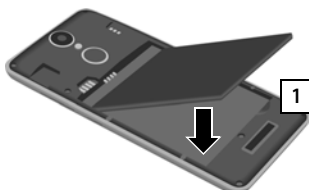
Closing the cover

▶ Align the cover with the side tabs on the slots on the inside of the casing.

▶ Press the cover until it clicks into place.

Charging the battery

▶ Plug the Micro-USB connector of the charger cable provided into the Micro-USB socket of the smartphone

▶ Connect the USB socket of the charger cable to a computer's USB port.

or

▶ Connect the power adapter to the USB connector of the charger cable and connect it to the power source.

The device is charged once the charge icon ▮ in the Status bar is filled completely.

> So your phone does not discharge during set-up, keeping it connected to the power is recommended until set-up is complete.

Switching on the device

▶ Keep the On/Off button pressed until the device vibrates.

When you are requested to unlock the SIM card,

▶ use the keypad to enter the PIN of the SIM card ✓

When switching on the device for the first time, a wizard starts which guides you through the initial configuration.

Wizard for configuring the device

When you switch on your phone for the first time, you are automatically guided through the most important configuration steps.

<	Back: Check and change as required settings already configured.
Next >	Apply the setting on the screen and jump to the next screen.
Skip	Configure the setting later.

Selecting the language

The set language is displayed.

▶ Select another language as required ▶ tap →

Inserting SIM cards

This screen is only shown when no SIM card is inserted:

▶ Insert card now (➔ p. 10)

Insert SIM card later: ▶ **Skip**

Establishing a WLAN connection

Wireless networks (WLANs) in range are displayed.

▶ Tap the required WLAN ▶ ▦ Enter the WLAN password ▶ **Connect** . . . A connection to the selected WLAN is established

Setting up a Google account

If you have another device on which emails, contacts, calendar entries and other information is managed, you can transfer this information.

✔	The other device has NFC (Near Field Communication).

Transferring the account settings from another device

▶ Select **Copy Google accounts, apps and data from another device** ▶ **Next** ▶ . . . Run the steps as described

or

▶ Select **No, thanks** ▶ **Next**

Logging in to the existing Google account

▶ ▦ Enter the email address and password of your Google account.

or

Creating a new account

▶ ▦ Enter the email address and password for a new Google account.

Entering a name

You can enter a name to personalise apps.

▶ ▦ Enter **First name** and as required **Surname** using the keypad ▶ **Next**

Setting up email

Gmail is set up once you log in to your Google account.

This is where you can set up email addresses for other mail accounts. The mails are also displayed in the **Gmail** app.

▶ Select provider ▶ ▦ Enter access details ▶ **Next**

If you do not want to set up any more email accounts: ▶ **Not now**

Setting up protection for the phone

Protect your smartphone from unauthorised use.

Fingerprint

▸ **Add fingerprint** ▶ **Next** ▶ . . . A wizard opens to guide you through the necessary steps.
Additional information ➜ p. 29

or

PIN, pattern or password

▸ **Configure PIN, pattern or password** ▶ **Next** ▶ Select **Pattern** | **PIN** | **Password** ▶ **Next** ▶
Specify whether the selected protection applies also for starting the device

▸ Enter pattern, PIN or password ▶ **Next** ▶ Repeat ▶ **Confirm**

Settings for notifications

▸ Select how notifications are displayed when the phone is locked ▶ **Next**

Using Google services

Various services are displayed.

▸ Use the switch to enable/disable the service you want to use ▶ **Next**

ⓘ Performing this step also means you accept the conditions of use and data protection
declaration of Google.

Settings for the start screen

The start screen is displayed. You can specify various settings for the start screen.

▸ Touch and hold the wallpaper on the start screen

Changing the wallpaper:

▸ **Wallpaper** . . . Images saved on the device are displayed ▶ Select the wallpaper ▶ Tap
Choose wallpaper from

Making widgets available on the start screen:

▸ **Widgets** . . . The available widgets are displayed ▶ Touch and hold the required widget . . .
The start screen is displayed ▶ Position the widget and release it at the required position

Your smartphone is now ready to use.

Using the device

Getting to know your device

Switching the device on and off

Switching on

▶ Press and **hold** the On/Off button ▶ Unlock the display if required (if a display lock is set up to protect against unauthorised starting) . . . The device is started

On/Off button ➜ p. 3

Display lock: ➜ **p. 57**

Unlocking the SIM card

▶ ⌨ Enter the PIN for the SIM card ▶ **OK**

Removing notifications (if available)

Clear notification:	▶ Swipe to the left or right
Deal with notification later:	▶ Swipe upwards to the Notifications bar

Notifications ➜ p. 22

When a display lock is set up to protect against unauthorised use

▶ Unlock the display . . . The start screen is displayed

Display lock: ➜ **p. 57**

Switching off

▶ Press and **hold** the On/Off button ▶ Tap ⏻ **Power off** ▶ **OK**

ⓘ You can also switch the smartphone to **Aeroplane mode**. This only disables the wireless functions, the other device functions remain available.

Switching on and off at certain times

Automatically switch the smartphone on and off at certain times.

▶ ⊕ ▶ ⚙ **Settings** ▶ **System** – **Scheduled power on & off** ▶ Enable/disable the functions with the switches ▶ Tap the time currently set for switching on and off . . .

Set the time at which you want to switch the device on or off:

▶ **Time** ▶ Set the time ▶ **OK**

Select the days on which the schedule is to apply:

▶ **Repeat** ▶ Select the days ▶ **OK**

Save the setting: ▶ **Done**

ⓘ Before you can use the device after automatic switch-on, you must unlock the SIM card and the display.

Switching the device to and ending idle mode

Switching the device to idle mode

▶ **Briefly** press the On/Off button

(i) If the device is not used for a defined time, it automatically switches to idle mode.

Setting the period of inactivity for transitioning to idle mode

▶ ⊕ ▶ ⚙ **Settings** ▶ **Device – Display** ▶ **Sleep** ▶ Select period

Ending idle mode

▶ **Briefly** press the On/Off button ▶ Remove any notifications as required ▶ Unlock the display

(i) Some apps can be accessed directly from idle mode with a fingerprint (➜ p. 30) or code (➜ p. 24).

Using the touchscreen

Movements and gestures for using the touchscreen:

Tapping

▶ Briefly touch the screen with your finger

Examples:

Start an app, and select function or setting: ▶ tap the element

Enter text: ▶ Tap a text field … A keypad is shown

Touching and holding

▶ Keep your finger on an element until it responds.

Dragging and releasing

▶ Touch and hold the element ▶ Move your finger across the screen to the place required ▶ Release the element

Example: Moving apps on the start screen

Swiping or dragging

▶ Move your finger quickly across the screen without stopping

Example: Switching between the start screens

Double tapping

▶ Tap the screen twice quickly in succession.

Example: Zooming. Only possible for special screens (such as websites or maps).

Zoom in: ▶ Tap twice quickly in succession
Zoom back out: ▶ Tap twice again

Spreading apart / pinching together your fingers

▶ Place two or more fingers on the screen at the same time

Zoom in: ▶ Spread your fingers apart

Zoom out: ▶ Pinch your fingers together

Example: Scaling screen content. Only possible for special screens (such as Google Maps and Chrome).

Start screen

A start screen is displayed when you switch on or unlock the device, and no app is open.

Elements on the start screen ➡ p. 4

You can create several start screens and configure them as you wish - to be able to quickly access favourite apps and content (➡ p. 20).

Returning to the start screen from any user situation

▶ Tap the Navigation button 🔘 . . . The start screen which was open last time is displayed

Switching between start screens

▶ Swipe left or right to the required start screen.

Browse smartphone and Internet

At the top of every start screen is Google search, enabling you to search on your smartphone and browse the Internet.

Entering a search term

▶ Tap the Search bar ▶ ⌨ Enter a search term using the keypad ▶ 🔍

Search using voice entry

▶ Tap the Microphone icon 🎤 ▶ Speak your search term into the microphone

Additional information ➡ **Google Help**

Switching between start screens and apps

At the bottom of every screen are three Navigation buttons:

◁	○	□

◁   Opens the screen last viewed, even if it belongs to another app. You can go back several times (only as far as the start screen).

○   Opens the start screen which was open last time.

□   Opens an overview of the apps and browser tabs used last time.

      Open an app: ▶   Tap it

      Close an app: ▶   Swipe the app left or right

When the Navigation buttons are not shown: ▶ Tap the bottom of the screen

Quick settings

The quick settings enable you to access frequently used settings from all user situations, such as screen lighting, WLAN, Bluetooth and similar settings.

Opening the quick settings

▶ From the Status bar, swipe down using two fingers . . . The quick settings are displayed

Icons of the quick settings ➡ p. 84

Enabling and disabling a function

▶ Tap the setting . . . Settings are white when enabled and not shown when disabled

Changing a setting

Settings for which there are more options (e.g. WLAN or Bluetooth) have a small arrow next to the name.

▶ Tap the name under the icon ▶ Change the setting as required

Quick settings for ringtone volume

Adjust the ringtone volume to the ambient conditions or situation.

Selecting an audio profile from the quick setting screen

▶ From the Status bar, swipe down using two fingers . . . The quick settings are displayed ▶ Tap

�◀)) Volume set as in profile **General** (→ p. 50)

◀× **Silent**: Ringtone and vibration disabled

Meeting: Vibration only

◀))) **Outdoors**: Loudest ringtone and vibration

Setting vibration and ringtone with the On/Off button

▶ Press and **hold** the On/Off button

🔔 Enable ringtone   Enable vibration

🔕 Disable ringtone   ◀))) Loudest ringtone and vibration

The currently selected setting is underlined.

▶ Tap the setting you want to enable

Writing and editing text

Use the Google keypad to write text.

Opening the keypad

▶ Tap a place where text can be entered

You can enter letters, digits and special characters.

Switching between entry of letters and digits / special characters: ▶ Tap ?123

Adding text

Entering letters and symbols:	▸	Tap a key
Entering uppercase letters:	▸	Tap the shift key (⬆)
Enabling/disabling Caps Lock:	▸	Double tap the shift key (⬆)
Showing umlauts:	▸	Touch and hold the key

Whilst text is being entered, suggestions from the keypad dictionary are shown above the keypad.

Using a suggestion: ▸ Tap the word . . . The word is included and a space is inserted automatically

Editing text

Positioning the cursor:	▸	Tap the place in the text where you want to position the cursor
Moving the cursor:	▸	Swipe left or right on the text
Selecting text:	▸	Touch and hold a word ▸ Select more or less text with tabs on both sides
Deleting a character:	▸	Touch and hold the backspace key
Cutting and copying text:	▸	Touch and hold the text ▸ Tap **Cut** or **Copy**
Pasting text:	▸	Touch and hold the cursor ▸ Tap **Paste**

Changing the keypad settings

You can change various keypad settings, such as the language for the keypad assignment, the response to keypresses and the keypad design.

▸ 🌐 ▸ ⚙ **Settings** ▸ **Users** – **Language & input** ▸ **Android keyboard**

Configuring the start screens

You can create several start screens and configure them as you wish - to be able to quickly access favourite apps and content.

Tailoring the Favourites bar

At the bottom of every start screen is the Favourites bar, from which you are able to quickly access the apps you use most frequently.

(i) Opening the menu with all the apps: ▶ Tap the ⊞ icon in the middle

The apps in the App menu are in alphabetical order.

Scrolling through the list: ▶ Swipe up or down

Removing apps from the Favourites bar

▶ Touch and hold an app in the Favourites bar

▶ Drag the app to the **Remove** button at the top of the screen and release your finger

or

▶ Drag it to somewhere else on the screen and release your finger

Adding an app

▶ ⊞ ▶ Select the required app ▶ Touch and hold the app . . . The start screen is shown in the background ▶ Drag the app to a free space in the Favourites bar and release your finger.

Changing the wallpaper

▶ Touch and hold the wallpaper ▶ Tap **Wallpapers** ▶ Select an image from the predefined backgrounds or your own photo from **My photos** ▶ Tap **Set wallpaper**

(i) More wallpaper images can be downloaded from Google Play.

Adding an app to a start screen

▶ Open the App menu ⊞ ▶ Look for the required app ▶ Touch and hold the app . . . ▶ Drag the app to a free space in a start screen and release your finger

Adding a widget to a start screen

Widgets are components that are specifically intended to be displayed on a start screen, e.g. a clock, a calendar extract for the current day, an important entry from the contact list or a direct dial.

▶ Touch and hold a free space on a start screen ▶ Tap **Widgets**

▶ Touch and hold the required widget . . . Images for the start screen are shown in the background ▶ Drag the widget to a free place on a start screen and release your finger

The sizes of some widgets can be changed:

▶ Touch and hold a widget ▶ Release your finger . . . If the size of the widget can be changed, you see a dotted frame on the edges ▶ Change the size of the widget by dragging the dots

Once the correct size is set: ▶ Tap anywhere outside the widget

Moving apps and widgets

▶ Touch and hold an app or widget on a start screen ▶ Drag the app or widget to the required position and release your finger, or drag it to the left or right to another start screen and release your finger

Creating folders for apps

▶ Touch and hold an app on a start screen ▶ Drag the app icon over another app icon

Adding apps:

▶ Touch and hold an app ▶ Drag it to the folder

Renaming a folder:

▶ Open the folder ▶ Tap the name . . . The keypad opens ▶ Delete the old name ▶ ⌨ Enter the new name ▶ ✔

Removing an app or widget

▶ Touch and hold an app or widget on a start screen ▶ Drag it up to option **Remove** and release your finger

Adding, rearranging and removing start screens

The number of start screens set up is shown by dots above the Favourites. The bigger dot indicates the position of the current start screen.

Adding start screens

▶ ⊕ ▶ Touch and hold an app ▶ Drag the app all the way to the right until a blank start screen is shown ▶ Release your finger . . . A new start screen is created and the app is placed on it

Rearranging start screens

▸ Touch and hold a free space on a start screen . . . Images for the start screens are displayed in the background ▸ Touch and hold an image for a start screen ▸ Drag it to the left or right to the required position and release your finger

Removing a start screen

▸ Remove all apps and widgets from a start screen (by deleting them or moving them to another start screen) . . . When the last app or widget has been removed, the start screen is deleted

Notifications

Notifications inform you about various events, such as the arrival of a new voice message or email, appointments or wake-up calls.

Notifications are displayed as follows:

•   In the Notifications bar**:** ▸ Swipe over the screen from the top down

An icon in the Notifications bar denotes which notifications are available (➜ p. 84).

•   On the lock screen: when the phone starts and when returning from idle mode

•   At the top of the screen whilst you are doing something else on your phone, such as reading an email or watching a video

Changing the settings for displaying notifications: ➜ **p. 23**

Dealing with notifications

Viewing and responding to notifications

Which information is displayed and which actions are possible depend on the app which triggers a notification.

Some apps allow actions to respond to a notification. You can for example reply directly to a mail, switch off a wake-up call or show on the map the meeting place for an appointment.

Displaying the app from which the notification originates:

▸ Touch and hold the notification . . . The name of the app is displayed

Changing the display options of the app for notifications: ➜ **p. 23**

Deleting and resetting notifications

Deleting a notification:

▸ Swipe the notification to the left or right

Deleting all notifications on the Notifications screen:

▸ Scroll down to the end of the notifications ▸ Tap ⬛

Resetting a notification on the lock screen or at the top of the screen to read it later:

▸ Swipe the notification up

Settings for notifications

Changing the default notification sound

▶ 🌐 ▶ ⚙ **Settings** ▶ **Device** – **Sound & notification** ▶ Tap ⚙ next to **General** ▶ **Default notification sound** ▶ Select a ringtone ▶ **OK**

    ⓘ   • If you do not wish to be disturbed, you can mute your device. No notification sound is then played.

            Use the "Do not disturb" function to mute your device ➜ p. 31

         • In some apps, sound and vibration settings for notifications can be set directly in the app from the **Settings** menu.

         • If the volume for the ringtone is reduced down to Vibration mode (➜ p. 50), the device vibrates for notifications instead of playing a sound. The smartphone continues to vibrate for notifications for which Vibration mode is already selected.

Changing the settings for app notifications

Specify how and when notifications for an app are displayed.

▶ Touch and hold an app notification ▶ Tap ⓘ

or

▶ 🌐 ▶ ⚙ **Settings** ▶ **Device** – **Sound & notification** ▶ **Notification** ▶ **App notifications** . . . All apps are displayed ▶ Select an app ▶ Enable or disable the required option using the switch

    ⓘ   Select the **Treat as priority** option when you also want to receive app notifications when the "Do not disturb" function is enabled (➜ p. 31).

Checking the settings for all apps

▶ 🌐 ▶ ⚙ **Settings** ▶ **Device** – **Sound & notification** ▶ **Notification** ▶ **App notifications** . . . All apps are displayed

Filtering the display by notification settings:
▶ Tap ▾ next to **All apps** ▶ Tap one of the settings . . . Only the apps for which this setting applies are displayed

Setting notifications on the lock screen

▶ 🌐 ▶ ⚙ **Settings** ▶ **Device** – **Sound & notification** ▶ **Notification** ▶ **When device is locked** ▶ Select the required option

    ⓘ   If the **Don't show notifications at all** option is selected as the default setting for the lock screen, this setting applies for all apps.

Apps

The apps available on the device are stored in the App menu. The device is supplied with a number of default apps. Additional apps from your mobile operator are installed as soon as you insert a SIM card.

You can download and install more apps, or disable and uninstall existing apps.

> You can place frequently used apps directly on a start screen (➜ p. 20), and the four most important apps in the Favourites bar (➜ **p. 20**).

Opening and exiting apps

Opening an app from the App menu

> The start screen is open. If not: ▶ Tap

▶ Tap 💮 . . . All apps are displayed (sorted alphabetically) ▶ Tap the app you want to open

Quick access to apps

If the device is in idle mode, you can open an app using the letter code.

> Smart Features and the letter code for the app are enabled.

Enabling/disabling Smart Features

▶ 💮 ▶ 🔧 **Settings** ▶ **Users** – **Smart features** ▶ **Gesture functions** ▶ Enable/disable **Smart features** with the switch

Enabling/disabling letter codes

▶ 💮 ▶ 🔧 **Settings** ▶ **Users** – **Smart features** ▶ **Gesture functions** ▶ Enable/disable the switch next to the required letter code

The following letters are available as codes: c, e, w, o, m, s, z and v. Some letters are already assigned to apps. The apps assigned are within square brackets. You can change this default assignment. For codes not assigned by default, there is nothing within the brackets.

Assigning an app

▶ Tap the entry for the required code . . . The list of available apps is displayed ▶ Select the app you want

Opening an app with the help of code

▶ With the device in idle mode, write a big letter for the app code on the display ▶ If the display is locked, unlock it . . . The app opens

Switching between apps

▶ Tap ▣ in the Navigation bar . . . Recently used apps are displayed ▶ Tap the app you want to open

Ending/exiting apps

Exiting an app

▶ Tap ◯ in the Navigation bar . . . The start screen is displayed. The app stays open and is included in the app overview.

Ending an app

▶ Tap ▣ in the Navigation bar . . . The app overview is displayed ▶ Swipe an app left or right . . . The app is ended

Ending all the apps: ▶ Scroll all the way up ▶ Tap ▤

Installing/uninstalling apps

Installing new apps

Downloading apps from Google Play:

▶ ⊕ ▶ ▶ **Play Store** . . . The Google Play Store is opened ▶ Look for the app you want ▶ Open the app screen ▶ **Install**

Uninstalling or disabling apps

You can delete apps you no longer need from the device.

You can uninstall apps you have downloaded. They are completely removed from the device. Apps preinstalled on the device (system apps) can be disabled but not completely removed. Disabled apps are not show on the device.

> ❗ Disabling a system app can cause problems with other apps.

▶ ⊕ ▶ ⚙ **Settings** ▶ **Device** – **Apps** ▶ Select an app you want to uninstall ▶ **Uninstall** / **Disable**

or (for apps which can be uninstalled)

▶ ⊕ ▶ Touch and hold the app you want to uninstall ▶ Drag it to **Uninstall** and release your finger

Show system apps and processes:

▶ ⊕ ▶ ⚙ **Settings** ▶ **Device** – **Apps** ▶ Tap ⋮ ▶ **Show system**

Preinstalled default Google apps

The smartphone makes available many of the default apps from Google, including:

G	Search	Browse Internet and search smartphone
	Chrome	Browser for surfing on the Internet
M	Gmail	Receive, write and send emails
	Maps	Look for and find out about places in all corners of the globe
	YouTube	Play YouTube videos and playlists
	Drive	Store data centrally
	Play Music	Listen to the radio
	Play Movies & TV	Watch films and series
	Hangouts	Communicate with friends with voice calls, messages and videos
	Photos	Save and manage photos centrally
	Play Store	Download apps

More information on Google apps ➡ **Google Help**

Protection from harmful apps

Downloading apps from sources other than Google Play

If you want to download apps from sources other than Google Play, you must permit it explicitly.

> ❗ Apps from unknown sources can represent a security risk for your smartphone.
> A download can corrupt your smartphone, and personal details can be misused or go missing.

▶ 🌐 ▶ ⚙ **Settings** ▶ **Users** – **Security** ▶ Enable the **Unknown sources** switch . . . You can now install apps from other sources

Enabling Verify apps

When the function is enabled, your device verifies apps when being installed, and regularly searches the device for potentially harmful apps.

▸ ⊕ ▸ ⚙ **Settings** ▸ **Users** – **Google** ▸ **Security** ▸ **Verify apps** – Enable the **Scan device for security threats** switch

The following actions are possible when you install an app which is not from Google Play:

• Recommendation not to install the app.
• Installation of the app is blocked when there is a threat to the security of the device.
• Information on the app's identification is sent to Google, such as protocol information, URLs connected to the app, the device ID, its operating system version and the IP address.

Apps installed on the device are checked regularly. If a potential harmful app is detected, the app check can take the following actions:

• Recommend that you uninstall the app immediately.
• Remove an app which is known to be insecure.

Improving the detection of harmful apps

⚠ The **Scan device for security threats** function is enabled.

If the function is enabled, Google also receives anonymous information on all apps installed which are not from the Google Play Store. This helps Google to provide better protection for users against harmful apps.

▸ ⊕ ▸ ⚙ **Settings** ▸ **Users** – **Google** ▸ **Security** ▸ **Verify apps** ▸ Enable the **Improve harmful app detection** switch

ⓘ This option might not work for all apps because developers are able to disable this function to prevent their apps being subjected to verification.

Downloads

You can download files from websites onto your device. Downloaded files are stored mainly in the **Downloads** app.

ⓘ   Content such as music, TV programs and books are generally not stored in **Downloads** but in the app with which the download was performed.

Working with downloaded files

▶ ⊞ ▶ 🔵 **Downloads**

Sorting entries:	▶ Tap ▤	▶ Select sort criterion
Opening a file:	▶ Tap the file	
Deleting a file:	▶ Touch and hold the file ▶ Tap 🗑	
Sharing a file:	▶ Touch and hold the file ▶ Tap ⮜	

Enabling/disabling Turbo download

Quickly download big files. When Turbo download is enabled, data is downloaded in parallel over WLAN and the mobile data connection.

✔   WLAN and data connection are enabled.
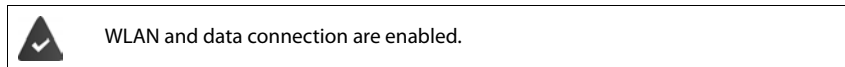
▶ ⊞ ▶ ⚙ **Settings** ▶ **Wireless & networks** – **Turbo download** ▶ Enable/disable the function with the switch

When Turbo download is enabled, the ⬇ icon is displayed in the Notifications bar. During a transfer process, the message shows the data volume being transferred over WLAN and the mobile network.

ⓘ   Turbo download is automatically disabled when Roaming, Tethering or VPN is active.

Additional charges might apply when downloading over mobile networks (➜ **p. 73**)

Fingerprint sensor

The device has a fingerprint sensor (➡ p. 3). It enables for example the device to be unlocked using a fingerprint, purchases to be authorised, you to register with certain apps and opening of a contact quickly from idle mode.

Setting up the fingerprint

▸ 🌐 ▸ ⚙️ **Settings** ▸ **Users** – **Fingerprint** ▸ **Fingerprint Manager** . . . A wizard opens which guides you through the necessary steps ▸ **Next**

When a display lock is set up: ▸ Enter the pattern, PIN or password

If a display lock is not yet set up: ▸ **Set up screen lock** (➡ **p. 57**)

> ℹ️ Pattern, PIN and password are alternatives to the fingerprint.
>
> The alternative method must be used in the following cases:
> • The fingerprint is not recognised after several attempts
> • For editing fingerprint settings
> • When it has been more than 48 hours since the alternative method was used for unlocking

Scanning a fingerprint

▸ Place your finger onto the sensor on the back of the device. Hold the device as you will also hold it later for unlocking. ▸ **Next**

▸ Keep tapping the sensor until the **Fingerprint added!** message is shown. Keep changing the position of your finger.

Ending the scan: ▸ **Done**

Add more fingerprints ▸ **Add another**

> ℹ️ You can add up to five fingerprints. They are saved as Finger 1 to Finger 5.
>
> Note that all those who add their fingerprints are able to unlock the phone and authorise purchases with your account.
>
> Fingerprints are stored securely and never outside the device.

Changing a fingerprint name

Assign a suitable name for the fingerprint, e.g. "Index finger left".

▸ 🌐 ▸ ⚙️ **Settings** ▸ **Users** – **Fingerprint** ▸ **Fingerprint Manager** ▸ Use the alternative method for unlocking (pattern, PIN or password) ▸ Touch and hold the name ▸ ⌨️ Enter the new name in the text field (max. 15 characters) ▸ **OK**

Locking an app with a fingerprint

Specify which apps can only be opened with a fingerprint.

▶ 🌐 ▶ ⚙️ **Settings** ▶ **Users** – **Fingerprint** ▶ **App-Sperre** ▶ Use the alternative method for unlocking (pattern, PIN or password) . . . The app list is displayed ▶ Use the switch to enable/ disable apps to be opened only with a fingerprint

ⓘ   The setting applies for all registered fingerprints.

Quick start of functions

Select the functions to be started with prolonged pressing on the fingerprint sensor. Possible functions: Open the camera, take a photo from the viewfinder screen of the camera, accept a call and cancel a wake-up call.

▶ 🌐 ▶ ⚙️ **Settings** ▶ **Users** – **Fingerprint** ▶ Enable/disable required function with switch

ⓘ   The settings apply for all registered fingerprints.

Quick start of apps and contacts from idle mode

Open an app or a contact with a fingerprint from idle mode. Take several fingerprints for the quick start of different apps or contacts.

▶ 🌐 ▶ ⚙️ **Settings** ▶ **Users** – **Fingerprint** ▶ **Fingerprint Manager** ▶ Use the alternative method for unlocking (pattern, PIN or password) ▶ Touch and hold the name

▶ Tap **Settings** ▶ Enable/disable the **Quick boot** function with the switch ▶ Select an app or a contact for the quick start with fingerprint

App: ▶ Tap **Apps** . . . The app list is displayed ▶ Select the app

Contact: ▶ Tap **Contacts** . . . The contact list is displayed ▶ Select a contact

Using a fingerprint

If an action can be authorised with a fingerprint, the 📱 icon or alternative pattern is displayed, for example when a display lock with fingerprint is set up or an app is locked.

▶ Tap the fingerprint sensor with a finger which has been scanned ▶ Repeat the process as required

The alternative method is enabled automatically if the fingerprint is not recognised after several attempts.

"Do not disturb"

The "Do not disturb" function mutes the device. It does not ring or vibrate. It prevents for example the phone ringing at night and during meetings, and all interruptions apart from a wake-up call. You can choose between three modes:

Total silence (total silence)
No ringtones, no vibrating, no audible signalling of wake-up calls or notifications, no sound for music, videos, games or other media.

Alarms only
Signalising of wake-up calls, also the sound for music, videos, games or other media is turned on.

Priority only
Signalising of important notifications, also the sound for music, videos, games or other media is turned on.

Important notifications are messages from apps with setting **Treat as priority** (➜ **p. 23**). Further events can be defined as important interruptions, such as calls from certain people.

ⓘ "Do not disturb" can also be enabled automatically in line with defined rules. Defining the rules: ➜ p. 51

Enabling "Do not disturb"

▶ From the Status bar, swipe down using two fingers . . . The quick settings are displayed ▶ Tap 🔕 **Do not disturb**

▶ Select the required mode (**Total silence** / **Alarms only** / **Priority only**) ▶ Specify how long the setting is to apply (**Until you turn this off** or use +/– to choose a time period in hours) ▶ **Done** . . . The following icon is displayed in the Status bar:

Total silence: ⊖ / **Alarms only**, **Priority only**: ⊖

ⓘ You can also set the **Alarms only** mode as follows:
  ▶ With the display enabled, keep the Quiet button on the right of the device pressed until the volume has reached the lowest setting ▶ Press the Quiet button again . . . The **Alarms only** mode is enabled

Disabling "Do not disturb"

▶ From the Status bar, swipe down using two fingers . . . The quick settings are displayed ▶ Tap the ⊖ or ⊖ icon . . . All signals are turned on again and the 🔕 icon is displayed

or

▶ Press the Quiet button on the right of the device ▶ Tap **End now** ▶ Set the volume as required

Disabling "Do not disturb" for certain apps

▶ ⊕ ▶ ⚙ **Settings** ▶ **Device** – **Sound & notification** ▶ **Notification** ▶ **App notifications** . . . All apps are displayed ▶ Select an app ▶ Select option **Treat as priority** . . . Notifications for this app are permitted in the **Priority only** mode

Specifying important interruptions

Specify events which are to be signalled acoustically in the **Priority only** mode.

▶ From the Status bar, swipe down using two fingers . . . The quick settings are displayed ▶ Tap ⊘ **Do not disturb** ▶ **More settings** ▶ **Priority only allows** ▶ Enable/disable events for **Alarms**, **Reminders**, **Events** and **Repeat callers** with the switch

Messages and calls are not signalled acoustically by default (setting **None**). To change the setting:

▶ Tap **Messages** / **Calls** ▶ Select the required option (**From anyone**, **From contacts only**, **From starred contacts only**)

Selected contacts are denoted as favourites in the contact list ().

Additional functions

Creating screenshots

Take a screenshot of the smartphone as an image, and edit, share and send it.

Taking a screenshot

▶ Open the screen for which you want to create a screenshot.

▶ Press the On/Off and Volume buttons at the bottom at the same time.

or

▶ Use **three** fingers to swipe over the screen from the top down or bottom up

> The function is activated.
>
> ▶ ⊕ ▶ ⚙ **Settings** ▶ **Users** – **Smart features** ▶ **Gestures** ▶ Enable the switch next to **3 touch points**

The screen content is stored in the internal memory of the device. The 🖼 icon is displayed in the Notifications bar.

Viewing a screenshot

▶ Swipe the Notifications bar down ▶ Tap notification **Screenshot captured.** . . . The screenshot is displayed

If more than one app is available for editing images, such as **Photos** and **Gallery:** ▶ Select the desired app

> ⓘ Screenshots can be edited with app resources.
>
> For more detailed information on the app **Photos** ➜ Google Help

Sending files between a computer and the smartphone

Use a USB cable to send photos, music, ringtones and other files between a computer and the smartphone.

> A computer detects the device connected via USB. It is linked in as a drive.

Connecting the USB cable

▶ Use the USB cable provided to connect the phone to a computer ... The 🖷 icon is displayed in the Notifications bar.

Transferring files

> For data interchange with a Mac: Android File Transfer is installed and started on the computer.

▶ Swipe the Notifications bar down ▶ Tap the USB notification ▶ Select **File transfers**

Windows: Automatic drive detection is opened on the computer ▶ Open Windows Explorer ▶ Use drag-and-drop to move files as for other external drives

Mac: The **Android File Transfer** window is opened on the computer ▶ Use Drag-and-Drop to move the files

Managing music

Use the Music Manager to upload music from the computer to the Google Play media library.

For information on managing music with Google Play Music: ➜ **Google Help**

Printing

Apps with a print function enable you to print from your device.

> A printer is available which is able to receive data over a WLAN connection or mobile network.

Printing via apps

The procedure for printing depends on the used app.

▶ Open the menu from icon ≡ or ⋮ ▶ Tap **Printing**

Printing the screen content: ▶ Take a screenshot (➡ p. 32) and then print it.

Adding, enabling and disabling printers

▶ ⊕ ▶ ⚙ **Settings** ▶ **System** – **Printing**

Adding the print service:

▶ **Add service** ▶ Select the print service ▶ Install

Enabling/disabling the print service:

▶ Select the print service ▶ Enable/disable it with the **On**/**Off** switch

Communication

Making calls

To make calls, use the 📞 **Phone** app. It is in the Favourites bar on the start screen by default
(➜ **p. 20**).

Making a call

▶ 📞 **Phone** . . .

Enter the number

▶ Tap ⠿ . . . The dialpad is shown ▶ Type in the phone number ▶ Tap 📞

ⓘ   Whilst a number is being entered, contacts with a potential matching phone number
    are displayed. If there are no matching entries, you can add the entered number to
    the contact list.

Using a phone number from a contact

▶ Tap 👥 . . . The contact list opens ▶ Select an entry . . . All phone numbers stored for the
  contact are shown ▶ Tap the required phone number

Contacts ➜ p. 40

Using a phone number of a favourite contact

▶ Tap ⭐ . . . The Favourites list opens ▶ Tap the required contact . . . The main phone number
  of the contact is selected

Adding contacts to Favourites ➜ p. 42

Using a phone number from the call log

▶ Tap 🕐 . . . The call log opens ▶ Tap the required phone number

Call log ➜ p. 39

Ending a call

▶ Tap 📞

ⓘ   Calls can also be initiated from some other apps or widgets, such as from the 📇
    Contacts app.

Accepting a call

With an incoming call, the phone number of the caller is displayed, if available. Information on
the contact or the Caller ID is also displayed.

Accepting a call

Display lock enabled: ▶ Touch the white circle and drag it to the right to the blue circle
No display lock: ▶ Tap **Answer**

Making calls

Rejecting a call

Display lock enabled: ▸ Touch the white circle and drag it to the left to the red circle

No display lock: ▸ Tap **Dismiss**

Rejecting a call and sending an SMS to the caller

▸ Touch the white circle and swipe it upwards to the message icon ▤ ▸ Select a predefined quick response or write your own message ▸ **OK** . . . The caller receives a message with the selected text

Changing predefined messages ➜ p. 38

> (i) If your mobile network operator has set up a mailbox for you, callers whose calls have been rejected by you can leave a message.
>
> If you accept a call whilst talking to somebody else, the current call is put on hold.

Options during a call

Showing the dialpad during a call

▸ Tap ⦂⦂⦂

Switching between headset, speaker and connected Bluetooth headset

▸ Tap 🔊

Muting and switching back on the microphone

▸ Tap 🎤 / 🎤̸

Interrupting and continuing a call

▸ Tap ▮▮

Recording a call

▸ Tap ⋮ ▸ **Start recording**

End recording: ▸ **STOP RECORDING**

> ❗ Tell the person you are talking to that the call is being recorded.

Listening to a recorded call:

▸ ⊕ ▸ 🖼 **File Manager** ▸ **Internal storage** ▸ **PhoneRecord** ▸ Tap the required sound file

The date and time of the recording are part of the name of the sound file.

Consultation, call swapping

▸ Tap ⋮ ▸ **Add call** ▸ Enter the number for a second person or select this person from the contacts ▸ Tap 📞 . . . The call is initiated. The first call is put on hold.

The current call with phone number is shown at the bottom of the screen, and the call on hold as **On hold**.

Switching between calls (call swapping):

▸ Tap **On hold** . . . The call on hold becomes the active call

Merging two calls into a conference call

One call active, one call on hold.

▶ Tap ⋮ ▶ **Merge calls** . . . The calls are merged

Ending a conference call: ▶ Tap ⋮ ▶ **Manage conference call** . . . The phone numbers of those taking part are displayed ▶ Tap 📞 next to the number to no longer take part in the conference call

Making calls over WLAN

Make calls over WLAN and the Internet instead of the mobile network.

> ◢ Your mobile network operator supports calls over WLAN and/or using SIP telephony. Additional charges may apply. Contact your mobile network operator for more information.

Using a WLAN call function of a mobile network operator:

▶ 📞**Phone** ▶ Tap ⋮ ▶ **Settings** ▶ **Calls** ▶ Enable/disable the **Wi-Fi Calling** option with the switch

> ⓘ If this option is not available, the function is not supported by your mobile network operator.

To make calls over WLAN, use the VoIP service from the mobile network operator (SIP):

▶ 📞**Phone** ▶ Tap ⋮ ▶ **Settings** ▶ **Calling accounts** ▶ **Use SIP calling**

> ⓘ You may need to provide more details on the SIP account

Call settings

Display of caller name in the call log and contact list of the Phone app

▶ 📞**Phone** ▶ Tap ⋮ . ▶ **Settings** ▶ **Display options** . . .

Specify how calls are sorted:

▶ **Sort by** ▶ select **First name** or **Surname**

Specify how the names of contacts are displayed:

▶ **Name format** ▶ select **First name first** or **Surname first**

Setting tones and vibration

▶   📞 **Phone** ▶ Tap ⋮   ▶ **Settings** ▶ **Sounds and vibration** . . .

Changing the ringtone: ▶ **Phone ringtone** ▶ Select ringtone ▶ **OK**

Vibrate for incoming calls: ▶ Enable option **Also vibrate for calls**

Tones when tapping the dialpad: ▶ Enable option **Dialpad tones**

  ⓘ   More tone settings are available from app ⚙ **Settings** ➜ p. 50

Editing quick SMS responses

If you do not want to accept a call, you can send a predefined SMS instead (➜ p. 36).

Editing automatically sent SMS text:

▶   📞 **Phone** ▶ Tap ⋮   ▶ **Settings** ▶ **Quick responses** . . . Four predefined messages are listed ▶ Tap a reply ▶ ⌨ Edit the reply ▶ **OK**

Using TTY for calls

In TTY mode (Telephone Typewriter), those with speech and hearing impediments can communicate by entering text on a smartphone.

  ✔   The smartphone is connected to a special teletypewriter or other TTY service via USB.

Enabling TTY mode:

▶   📞 **Phone** ▶ Tap ⋮   ▶ **Settings** ▶ **Accessibility** ▶ **TTY mode** ▶ Select the mode required

TTY (full mode)   See the call as text and hear it as audio.

TTY HCO   Hear what the other person is saying, reply by entering text

TTY VCO   See as text what the other person is saying, reply by speaking

Network-dependent settings

You can, depending on your mobile network operator, use additional network services such as a mailbox, Call divert and Call waiting. You can set up, and enable and disable as required, these services from the Settings menu in the Phone app.

▶   📞 **Phone** ▶ Tap ⋮   ▶ **Settings** ▶ **Calling accounts** ▶ Tap the SIM card of the operator whose network services you want to edit

Call log

The call log shows all outgoing, accepted and missed calls.

Showing the call log

▶ 📞 **Phone** ▶ Tap 🕐 . . . The calls are listed with phone number, place and date. Arrow icons show the types of calls:

     ↙   Missed call

     ↙   Accepted call

     ↗   Outgoing call

Showing call details

▶ Tap call ▶ **Call details** . . . Information on the call is displayed, such as time and duration

Contacting the caller

▶ 📞 **Phone** ▶ Tap 🕐 . . .

Calling: ▶ Tap 📞 next to the entry

Sending an SMS: ▶ Tap the call ▶ **Send message** ▶ Enter a message ▶ Tap ➤

Adding a phone number to the contacts

▶ 📞 **Phone** ▶ Tap 🕐 ▶ Tap the call ▶ **Add to contact** or **Create a new contact**

Deleting calls from the call log

▶ 📞 **Phone** ▶ Tap 🕐 . . .

Deleting a call: ▶ Tap the call ▶ **Call details** ▶ Tap 🗑

Deleting more than one call:

▶ Tap ⋮ ▶ **Calls list** ▶ Tap ⋮ ▶ **Delete** . . . Checkboxes are shown next to the entries ▶ Select the entries to delete ▶ Tap 🗑 ▶ Confirm with **OK**

Deleting all entries:

▶ Tap ⋮ ▶ **Calls list** ▶ Tap ⋮ ▶ **Clear call history** ▶ Confirm with **OK**

Contacts

You can use the **Contacts** app to enter and organise all information on your contacts, such as different numbers, address, mail address and much more. Other apps, such as the **Phone** app, access the information and make it available where it is needed.

Using contacts

If you require frequent access to the contacts, move the **Contacts** app to the start screen (➔ p. 20).

Viewing contacts

▶ ▶ **Contacts** . . . The contacts are listed in alphabetical order.

Only showing favourite and frequently used contacts: ▶ Tap **Favourites**

Specify how the contacts are sorted:

▶ Tap ⋮ ▶ **Settings** ▶ **Sort by** ▶ Select **First name** or **Surname**

Specify how the names of contacts are displayed:

▶ Tap ⋮ ▶ **Settings** ▶ **Name format** ▶ Select **First name first** or **Surname first**

> (i) Contacts can be stored at different places - locally on the smartphone, on the SIM card or in the Cloud of an account.
>
> Narrowing down the display of contacts to one source: ▶ Tap ⋮ ▶ **Contacts to display** ▶ Select the required display

Using a contact for communication

Calling a contact, sending an email or SMS to a contact.

▶ **Contacts** ▶ Scroll through the list and select the required contact ▶ Select an action . . .

Calling: ▶ Tap the number or . . . The call is initiated

Sending an SMS: ▶ Tap . . . Enter the text message ▶ Tap

Sending an email: ▶ Tap the mail address or ▶ Write the email ▶ Tap

Grouping contacts

You can group contacts into contact groups . You can then for example send a group SMS or a group email to the members of a group. Different groups are predefined, such as Family and Friends.

▶ **Contacts** ▶ Tap ⋮ ▶ **Groups** . . . Existing groups are listed

Creating a new group:

▶ Tap ▶ Select the account with which the group is to be synchronised ▶ Tap **Group name** ▶ Enter the name ▶ Tap

Adding a contact to a group:

▶ Tap the group ▶ Tap ⋮ ▶ **Edit** ▶ Tap 👤₊ . . . All contacts belonging to the account are
listed ▶ Tick the checkboxes next to the contacts to be assigned to the group ▶ **OK** ▶ Tap
✓

(i) A contact can belong to more than one group.

Removing a contact from a group:

▶ Tap the group ▶ Tap ⋮ ▶ **Edit** ▶ Tap ✕ next to the contact ▶ Tap ✓

Deleting a contact group:

▶ 👤 **Contacts** ▶ Tap ⋮ ▶ **Groups** ▶ Select group ▶ Tap ⋮ ▶ **Delete** ▶ **OK**

Adding contacts

(i) If you have set up a Google account, you can also set up and manage your contacts
from your computer. The contacts are automatically synchronised with the
smartphone.

Creating a contact

▶ 👤 **Contacts** ▶ Tap 👤 ▶ ⌨ Enter name, phone number and other details for the
contact ▶ Tap ✓

Importing/exporting contacts

Contacts can be exported from any location and be imported into a different location, e.g. the
contacts stored on the SIM card can be imported into your Google account, and the contacts of
the Google account can be stored as vCards in the device's internal memory.

▶ 👤 **Contacts** ▶ Tap ⋮ ▶ **Import/Export** ▶ Select the source for the export ▶ **Next** ▶
Select the destination for the import ▶ **Next** . . . The contacts of the source directory are
displayed ▶ Select the contacts to export ▶ **OK**

Importing contacts from a VCF file:

▶ Use a USB cable to connect the device to a computer ▶ Copy the vCard or VCF file to the
device's internal storage (➜ **p. 33)** ▶ Select **Internal storage** as the source for the import

Editing contacts

Editing contact details

▶ 👤 **Contacts** ▶ Select the contact to edit ▶ Tap ✏

▶ Tap the field you wish to edit ▶ ⌨ Change the contents ▶ Tap ✓

or

▶ Scroll down ▶ Tap **More Fields** ▶ ⌨ Fill in the required fields ▶ Tap ✓

Editing the ME entry

The first entry in the contact list is called **Me**. This is where you define details about yourself. If you have already entered a name for personalising your smartphone when getting started, this name is assigned to the **Me** entry.

You can add more information to this name.

▶ From the Status bar, use two fingers to swipe down . . . The quick settings are displayed ▶ Tap the 🔵 icon ▶ ⌨ Enter the details ▶ Tap ✓

or

▶ 👤 **Contacts** ▶ Select the **Me** entry ▶ Tap ✎ ▶ ⌨ Edit the contact ▶ Tap ✓

Adding contacts to Favourites

Add people you contact frequently to your Favourites. Favourites are shown in a separate list (➡ **p. 40**).

▶ 👤 **Contacts** ▶ Select a contact ▶ Tap ★ . . . The contact is listed in the **All contacts** list as well as in **Favourites**

Creating a special ringtone for a contact

▶ 👤 **Contacts** ▶ Select a contact ▶ Tap ✎ ▶ Tap ⋮ ▶ **Set ringtone** ▶ Select the ringtone ▶ **OK**

Diverting calls from a contact to the mailbox

▶ 👤 **Contacts** ▶ Select a contact ▶ Tap ✎ ▶ Tap ⋮ ▶ **All calls to voicemail**

Deleting contacts

▶ 👤 **Contacts** ▶ Select a contact ▶ Tap ⋮ ▶ **Delete** ▶ **OK**

Deleting more than one contact at the same time:

▶ Touch and hold the first contact . . . Checkboxes are displayed next to the contact entries ▶ Select all the contacts you want to delete ▶ Tap ⋮ ▶ **Delete** ▶ **OK**

Linking contacts

Merge multiple contact entries for a person in one contact.

▶ 👤 **Contacts** ▶ Touch and hold the contact you want to merge with others ▶ Select the checkboxes next to the contacts to be merged with the first contact ▶ Tap ⋮ ▶ **Merge**

or

▶ 👤 **Contacts** ▶ Open the contact ▶ Tap ✎ ▶ Tap ⋮ ▶ **Merge** ▶ Select the contact to merge

Cancelling a link

▶ Open the linked contact ▶ Tap ✎ ▶ Tap ⋮ ▶ **Separate**

Messages (SMS/MMS)

To send and receive messages, use the ☺ **Messaging** app. It is in the Favourites bar on the start screen by default (➜ **p. 20**).

Instead of using **Messaging** as the standard app for sending and receiving messages, use **Hangouts**:

▶ ☺ **Messaging** ▶ Tap ⋮ ▶ **Settings** ▶ **SMS Enabled** ▶ **Hangouts**

Information on **Hangouts** ➜ Google Help

Sending and replying to messages

> ⊖ Sometimes apps send text messages using billable Premium services. Android detects every attempt by an app to send an SMS in your name. A warning is displayed when there is a suspicion that an SMS entails additional charges. Text messages can be discarded, or sent anyway, in these cases.

Writing an SMS

A text message (SMS) can comprise a maximum of 160 characters. If you enter more characters, the message is sent in several sub-messages (if this function is supported by your mobile network operator).

▶ ☺ **Messaging** . . . The list of conversations is displayed ▶ Tap ▤

▶ ▦ Enter the phone number, name or email address . . . Whilst you are doing so, possible matching contacts from the contact list are suggested ▶ Tap a suggestion or continue with your entry

or

▶ Tap ⁺👤 . . . The contact list is opened ▶ Select one or more contacts to whom to send the message ▶ **OK**

▶ Tap **Type text message** ▶ ▦ Enter the message text

Inserting a Smiley (Emoticon)

▶ Whilst entering text, tap ☺ in the bottom right of the keypad ▶ Select icon

Back to the keypad: ▶ Tap **ABC**

Saving a message as a draft

▶ Whilst entering a text message, tap ⟵ . . . The message is stored in the list of conversations as a draft

Continue with entry: ▶ Tap this conversation.

Writing an MMS

A multimedia message (MMS) can contain text, a picture, a recorded voice message, an audio file, a video, a slide show with images, a contact or an appointment.

▸ When writing a message, tap 🖉 ▸ Select the required attachment . . .

Pictures
    . . . The pictures taken recently are displayed ▸ Select picture

Capture picture
    . . . The Camera app opens ▸ Take a picture and attach it

Videos
    . . . The videos recorded recently are displayed ▸ Select a video

Capture video
    . . . The Camera app opens ▸ Record a video and attach it to the message

Record audio
    . . . The Sound recorder opens ▸ Record the voice message

Slideshow
    . . . The screen for editing the slide show opens ▸ Tap slide ▸ Make a slide

Put together a slide show of up to 10 slides using the text, photos, videos and audio recordings.

Contact
    . . . The contact list opens ▸ Select a contact ▸ **OK** . . . The contact is appended as a vcf file

Calendar
    . . . The appointment list of the calendar opens ▸ Select an appointment ▸ **OK** . . . The appointment is appended as a vcf file

The file appended is displayed in the message. Buttons enable you to show a preview of the media attachments, replace files and delete files.

ⓘ   When media attachments from several apps are shown, e.g. images in **Photos** or **Gallery**:

    ▸ Tap ☰ in the top left ▸ Select app

Sending a message

▸ Write a text or multimedia message ▸ Tap ➤ . . . The message is sent

Back to the list of conversations: ▸ Tap ⬅

The message is the start of a conversation. It is stored in the message list under the name or phone number of the recipient. Responses from the message recipient are displayed in the same conversation.

Responding to received messages

When a new message arrives, you receive a notification and the 😎 icon is shown in the Notifications bar.

▶ Tap the notification … The message opens

or

▶ 😎 **Messaging** … The list of conversations is displayed ▶ Tap the new conversation

▶ ⌨ Enter the reply ▶ Tap ➤

What to do with multimedia messages

If the **Auto-retrieve** option in MMS settings is disabled:

▶ Tap **Download**

Show or play the file if the message contains a media file:

▶ Tap **Play**

Save the media file:

▶ Touch and hold the media file ▶ Save the message on an SD card or on USB storage

Reading and managing messages

Reading SMS/MMS messages

▶ 😎 **Messaging** … The list of conversations is displayed ▶ Tap a conversation … All messages in this conversation are shown in chronological order

Managing SMS/MMS messages

▶ Touch and hold a message ▶ Select option …

Copying message text:

▶ **Copy text** … The text is copied to the cache. You can use it for any text entry.

Forwarding a message to a contact or another recipient:

▶ **Forward** ▶ Enter the recipient ▶ Tap ➤

Preventing the message from being deleted when the storage limit is reached:

▶ **Lock** … The message is protected from being deleted automatically. It is denoted by the 🔒 icon.

Cancel the lock: ▶ **Unlock**

Displaying more information on the message and sender:

▶ **View details**

Saving a message to SIM card:

▶ **Save message to SIM card**

Messages are stored on the phone by default.

Saving all messages to SIM card

Opening message text for editing:

▶ **Select text** ▶ Edit message ▶ **OK**

Deleting message from the conversation:

▶ **Delete** ▶ Confirm once again with **Delete**

Deleting a conversation

▶ 😊 **Messaging** . . . The list of conversations is displayed ▶ Touch and hold one or more conversations ▶ Tap 🗑

Deleting all conversations

▶ Tap ⋮ ▶ **Delete all threads**

Searching in SMS/MMS messages

▶ 😊 **Messaging** ▶ Tap 🔍 ▶ ⌨ Enter the search term . . . Text sections matching the search term are displayed ▶ Tap a text section . . . The text is displayed ▶ Tap text . . . The conversation belonging to the text is displayed

SMS/MMS settings

Changing the font size

The font size in messages is aligned by default to the system font size. You can select a bigger font size.

▶ 😊 **Messaging** ▶ Tap ⋮ ▶ **Settings** ▶ **General** ▶ **Message font size** ▶ Select font size

Storage settings

Set the limits for messages and delete messages when the limits are exceeded.

▶ 😊 **Messaging** ▶ Tap ⋮ ▶ **Settings** ▶ **General** ▶ Tick the checkbox next to **Delete old messages** ▶ Set the limits . . .

Setting the number of text messages to be stored per conversation:

▶ Tap **Text-message limit** ▶ Select the number . . . Older text messages are deleted as soon as the highest number is reached

Setting the number of multimedia messages to be stored per conversation:

▶ Tap **Multimedia message limit** ▶ Select the number . . . Older multimedia messages are deleted as soon as the highest number is reached

ⓘ   Excluding individual messages from an automatic delete ➡ p. 45

SMS settings

▸ 😊 **Messaging** ▸ Tap ⋮ ▸ **Settings** ▸ **Text Message (SMS)** . . .

Requesting a delivery confirmation for sent text messages:

▸ Tick the checkbox next to **Delivery reports**

Managing text messages stored on the SIM card:

▸ **Manage SIM card messages** . . . The messages stored on the SIM card are displayed

    ▸ Tap ⋮ ▸ Select the option for all messages

    or: ▸ Touch and hold a message ▸ Select the option for this message

Specifying where text messages are stored:

▸ **SMS storage location** ▸ Select phone or SIM card

    Saving individual messages to SIM card ➜ p. 45

MMS settings

▸ 😊 **Messaging** ▸ Tap ⋮ ▸ **Settings** ▸ **Multimedia Message (MMS)** . . .

Requesting a delivery/read confirmation for sent multimedia messages:

▸ Tick the checkbox next to **Delivery reports**/**Read reports**

Sending a read confirmation for received multimedia messages if requested:

▸ Tick the checkbox next to **Send read report**

Setting the maximum size of a multimedia message:

▸ **Size Limit** ▸ Select the maximum size

Automatic retrieving of MMS messages

> ❗ Multimedia messages from unknown sources can contain malware which might endanger the security of your smartphone. So you should only download attachments once you have identified the senders of MMS messages as secure.

Do not automatically retrieve the attachments of received multimedia messages:

▸ Untick the checkbox next to **Auto-retrieve**

Do not automatically retrieve the attachments of received multimedia messages when roaming:

▸ Untick the checkbox next to **Roaming auto-retrieve**

Settings for notifications about received SMS/MMS messages

▶ **Messaging** ▶ Tap ⋮ ▶ **Settings** ▶ **Notifications** . . .

Showing notifications about new messages in the Notifications bar:

▶ Tick the checkbox next to **Notifications**

Selecting the ringtone for notifications about new messages:

▶ **Sound** ▶ Select the ringtone for notifications about new messages

Disabling the sound for notifications completely or temporarily:

▶ **Mute** ▶ Disable the sound or select the time during which the notification sound is to be disabled

Vibration for receipt of messages:

▶ Tap **Vibrate**

Settings

Device

Language

Set the language for the displays.

▶ ⊕ ▶ ⚙ **Settings** ▶ **Users** – **Language & input** ▶ **Language** ▶ Select the language

Display

Brightness

Change the screen brightness or adapt it the surroundings.

▶ From the Status bar, swipe down using two fingers . . . The quick settings are opened

or

▶ ⊕ ▶ ⚙ **Settings** ▶ **Device** – **Display** ▶ **Brightness level**

▶ Set the brightness level with the slider bar

Automatically adapting the brightness level depending on the ambient light available

▶ ⊕ ▶ ⚙ **Settings** ▶ **Device** – **Display** ▶ Enable/disable the **Adaptive brightness** option with the switch

Font size

Change the display size of text.

▶ ⊕ ▶ ⚙ **Settings** ▶ **Device** – **Display** ▶ **Font size** ▶ Select the font size

Display orientation

Set what the screen content does when you rotate the device.

▶ ⊕ ▶ ⚙ **Settings** ▶ **Device** – **Display** ▶ **When device is rotated** ▶ Select **Rotate the contents of the screen** or **Stay in portrait view**

ⓘ   This option is not available when the option "**Auto-rotate screen**" is disabled in the accessibility feature settings.

Tones and volume

Volume

Change the volume for ringtone, music and alarm.

Using the Volume button

▷ Press the Volume button on the right-hand side of the device . . . The slider bar for the volume opens ▶ Tap the arrow on the right next to the slider bar ▶ Set the volume using the slider bar
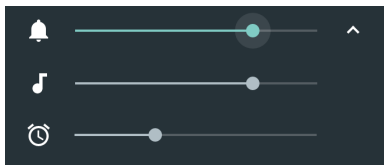
From the Settings menu

▷ ⊕ ▶ ⚙ **Settings** ▶ **Device** – **Sound & notification** ▶ Tap ⚙ next to **General** ▶ Set the ringtone and alarm volume with the slider bar

Selecting an audio profile

Adapt the ringtone volume to the ambient conditions or situation.

▷ ⊕ ▶ ⚙ **Settings** ▶ **Device** – **Sound & notification** ▶ Select a profile

General	Tap ⚙ and configure the detailed settings
Silent	Disable ringtone and vibration
Meeting	Vibration only
Outdoor	Loudest ringtone and vibration

ⓘ Quick setting for audio profiles from Quick setting screen or On/Off button: → **p. 18**

Enabling/disabling vibration

Disabling the ringtone, enabling vibration:

▷ Press the bottom of the Volume button until the ringtone volume reaches the lowest setting and the device vibrates . . . The 📳 icon is displayed in the Status bar

Enabling the ringtone and vibration:

▷ ⊕ ▶ ⚙ **Settings** ▶ **Device** – **Sound & notification** ▶ Tap ⚙ next to **General** ▶ Enable/disable the option **Vibrate** with the switch

Ringtones

Changing the default ringtone

▷ ⊕ ▶ ⚙ **Settings** ▶ **Device** – **Sound & notification** ▶ Tap ⚙ next to **General** ▶ **Phone ringtone** ▶ Select a ringtone ▶ **OK**

Adding new ringtones

Ringtone apps: ▶ Download and install ringtone apps from the Google Play Store ![icon]

Transferring a music file (MP3) from a computer:

▶ Use the USB cable provided to connect the device to a computer ➜ **p. 33**

▶ Transfer the music file (MP3) to the **Ringtones** folder

Setting rules for automatic muting

Automatically mute the smartphone at certain times ("Do not disturb").

▶ ![icon] ▶ ![icon] **Settings** ▶ **Device – Sound & notification** ▶ **Do not disturb** ▶ **Automatic rules**

Muting tones at certain times

▶ Select default rule **Weeknight** or **Weekend** ▶ Change the settings for the rule as required ▶ Enable/disable the rule with the **On**/**Off** switch

or create a separate rule

▶ Tap **Add rule** ▶ ![icon] Enter the rule name ▶ Tap **Time rule** ▶ **OK** ▶ Set the day, start time and end time ▶ Select the **Do not disturb** mode ▶ Enable/disable the rule with the **On**/**Off** switch

"Do not disturb" mode ➜ p. 31

Muting a tone during events and meetings

▶ Tap **Add rule** ▶ ![icon] Enter the rule name ▶ Tap **Event rule** ▶ **OK** ▶ Select option

During events for: ▶ Select the account to which the rule applies when you are using more than one account with calendar events

Where reply is: ▶ Select the events to which the rule applies (events you have confirmed with "Yes" or "Perhaps", or have not confirmed at all)

Do not disturb: ▶ Select the "Do not disturb" mode (**Total silence**, **Alarms only**, **Priority only** (➜ p. 31)

Enabling a rule

▶ Enable/disable a rule with the **On**/**Off** switch

![info icon] Mute the smartphone manually if required ➜ p. 31

Setting keypad tones

![checkmark icon] You are using the standard Android keypad.
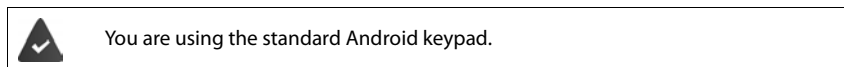
▶ ![icon] ▶ ![icon] **Settings** ▶ **Personal** – **Language & input** ▶ **Android keyboard** ▶ **Settings** ▶ Enable/disable option **Sound on keypress** and/or **Vibrate on keypress** with the switch

Enabling/disabling other tones

Set whether tones are sounded or the device vibrates when the dialpad is used - for every touch when the display lock is enabled.

▶ ⊕ ▶ ⚙ **Settings** ▶ **Device** – **Sound & notification** ▶ Tap ⚙ next to **General** ▶ Enable/disable the required option with the switch

Power management

To prolong the life of your smartphone as long as possible, the device has various ways to make best possible use of the battery capacity. Use the **Battery Manager** app to optimise power consumption.

ⓘ   Access to the information and a few settings is also possible from:

     ⊕ ▶ ⚙ **Settings** ▶ **Device** – **Battery**

Showing the battery charge level

The █ icon in the Status bar shows the charge level (➜ p. 84).

Showing the charge level next to the battery icon in %:

▶ From the Status bar, use two fingers to swipe down ▶ Tap the █ battery icon ▶ Enable/disable **Battery Percentage** with the switch

Showing the power consumption

▶ ⊕ ▶ 🔋 **Battery Manager** . . . The current charge level (as %) and the expected usage time remaining are shown

▶ **Power consumption list** . . . Consumption since the device was last fully charged, and the consumption (as %) of various system components (system, system in idle mode, display lighting and WLAN), are shown graphically

Show more information on system component consumption: ▶ Tap the entry

ⓘ   When the device is being charged, the remaining time to charge level "Full" is shown instead of the usage time remaining.

Using Power Save mode

Save power until the device can be charged again.

Some of the device's functions are limited in Power Save mode:

• Google Maps Navigation cannot be used.

• The vibration function, location services and most background data are restricted.

• Email, SMS/MMS and other apps requiring the synchronisation function are only updated when opened.

Enabling/disabling Power Save mode:

▶ ⊕ ▶ 🔋 **Battery Manager** ▶ **Power consumption list** ▶ Tap ⋮ ▶ **Battery saver** ▶ Enable/disable the function with the switch

ⓘ When Power Save mode is enabled, the upper and lower areas of the screen are shown in orange.

Power Save mode ends automatically when the device is being charged.

Using Intelligent Power Save mode

In Intelligent Power Save mode, unused peripherals are disabled and system performance is optimised.

▸ ⊕ ▸ 🔋 **Battery Manager**

Selecting components for power saving:

▸ Tap the arrow next to **Smart power saving mode** ▸ Enable/disable the functions with the switches and set the process limit

Enabling Intelligent Power Save mode:

▸ Tap **Smart power saving mode** ▸ **Confirm**

Disabling Intelligent Power Save mode:

▸ Tap **Normal mode**

Using Super Power Save mode

In Super Power Save mode, access to the **Phone**, **Contacts**, **Messages** and **Clock** apps is restricted, the brightness is reduced and graphics on the start screens are minimised.

▸ ⊕ ▸ 🔋 **Battery Manager** ▸ **Super power saving mode** ▸ **Confirm**

or

▸ From the Status bar, swipe down using two fingers . . . The quick settings are opened ▸ Tap the 🔋 icon

Ending Super Power Save mode: ▸ Tap ◁

Optimising the battery life

When battery power optimisation is enabled, apps are disabled when you are not using the device or have not used the apps for a few days. Apps are enabled again once they are used. Battery power optimisation is enabled by default.

▸ ⊕ ▸ 🔋 **Battery Manager** ▸ **Power consumption list** ▸ Tap ⋮ ▸ **Battery optimization** ▸ . . . All apps **without** battery power optimisation are displayed

Enabling battery power optimisation:

▸ Tap an app ▸ Select option **Optimize** ▸ **Done**

Show all apps: ▸ Tap the down arrow ▸ Tap **All apps** . . . All apps are shown

ⓘ Battery power optimisation is not available for some important services because correct functioning of the device is then not guaranteed.

Other power and resource consumption settings

▶ 🌐 ▶ 🔵 **Battery Manager** ▶ Tap ⚙

Auto-start management
Select the apps which may / may not be started automatically on system start

Clean up background processes when in standby
Select the apps for which background information is deleted when you switch to standby mode

Clear background app
Select the apps which may / may not be started in the background

Night mode
At night, switch the mobile mode to 2G only. Select the time period for the switchover.

Power saving alert: low battery
Issue a notification when the battery has reached a low charge level.

Select critical value
Set the value for the low charge level using the slider bar.

Switch when battery is low
Set which Power Save mode is enabled when the low charge level is reached.

Storage

The device differentiates between permanent device storage (which can be extended with an SD card) and main memory. The permanent storage area is for data such as music and photos. Main memory is temporary storage used by the device to run apps and the overall system.

Device storage management without SD card

Check the available storage capacity and memory usage of apps.

▶ 🌐 ▶ ⚙ **Settings** ▶ **Device** – **Storage & USB** . . . The total storage capacity available, and that being used at the moment, are displayed, as well as a list of components using storage capacity

Show more information: ▶ Tap an entry

Device storage management with SD card

(i) The device detects SD cards with a storage capacity of 32 GB. Higher capacity cards (to 128 GB) can be used if formatted on the GS160 (not from a PC).

▶ 🌐 ▶ 🔧 **Settings** ▶ **Device** – **Storage & USB** . . .

Specifying where personal information is stored:

▶ Select **Internal storage** or **SD card**

Checking the available storage capacity and memory usage of apps:

▶ In the lower area of the screen next to 🗄, tap **Internal storage**

Ejecting an SD card:

▶ Next to **SD card...**, tap ▲ . . . The SD card is disabled. It can no longer be used as memory and the information on the card is no longer available.

Using the SD card again:

▶ Tap **SD card ...** ▶ **Mount**

Insert SD card ➜ p. 10

Freeing up device memory

▶ Uninstall apps which are not used (➜ p. 25)
▶ Delete saved photos and videos and/or save them in the Cloud (e.g. using Google Photos)
▶ Remove downloaded music, films and other media
▶ Empty/clear the cache or data for individual apps (➜ p. 67)

Main memory

Your device might not work perfectly if not enough main memory is available.

Displaying main memory usage:

▶ 🌐 ▶ 🔧 **Settings** ▶ **Device** – **Memory** . . . Main memory usage is shown in relation to a selected time period

Selecting another time period:

▶ Tap Time in the header ▶ Select a time period

Checking which apps are running and are using main memory:

▶ Tap **Memory used by apps** . . . All apps are shown with their usage

Sorting by usage: ▶ Tap ⋮ ▶ **Sort by max use**

Exiting an app to free up main memory:

▶ Select an app ▶ Tap ⋮ ▶ **Force stop**

Accessibility features

For those with disabilities, there are a number of useful settings for adapting the usage of the smartphone to personal needs.

▶ 🌐 ▶ 🔯 **Settings** ▶ **System** – **Accessibility** ▶ Enable/disable or set up the required function

Talk Back

Enable spoken feedback for users with impaired vision. The device describes the controls the user touches.

Captions

Enable subtitles for the device, and configure settings for voice, text size and subtitle style.

Magnification gestures

Use enlargement movements to temporarily increase the size of content on the screen.

Large text

Use a larger font for text on the display.

High contrast text

Use black or white as the text colour depending on the original text colour.

Power button ends call

End calls by pressing the On/Off button.

Auto-rotate screen

Automatically switch between landscape or portrait view when the smartphone is rotated.

Speak passwords

When entering passwords, receive spoken feedback from TalkBack.

Enabled: Password characters are spoken out so as to be audible, just like all other entered characters.

Disabled: Password characters can only be heard over a headset.

Accessibility shortcut

Quickly enable TalkBack without looking at the screen.

If the **Accessibility shortcut** is enabled, start TalkBack as follows:

▶ Keep the On/Off button pressed until you hear a tone or the device vibrates ▶ Use two fingers to touch and hold the screen until a confirmation signal sounds.

Text-to-speech output

Configure comprehensive settings for speech output.

Touch & hold delay

Change the time after which "Touch and hold" is enabled on touching the screen.

Color inversion

Swapping of colour values. For example, black text on a white screen becomes white text on a black screen.

Color correction

Compensate the effects of colour blindness.

More information on accessibility features is available from: ➔ **Google Help**

Security

Display lock

The display lock protects the device from unauthorised use. When you switch the device on or enable the display, you are prompted to unlock the device.

The display lock becomes active after a defined time after the device has switched to idle mode.

A pattern, PIN or password is used as the display lock.

It is also possible to use a fingerprint as a display lock (➔ p. 29). In this case, the display lock set up serves as the alternative method.

Setting up a display lock when getting started (➔ p. 13).

Setting up a display lock

⊞ ▶ ⚙ **Settings** ▶ **Users** – **Security** ▶ **Screen lock** ▶ Enter the PIN, pattern or password if you have already specified a lock ▶ Select the method . . .

None   . . . No security

Swipe   . . . The display can be unlocked by swiping over the screen

Pattern, **PIN**, **Password**

▶ Select option **Require pattern to start device** if the requirement is for the device to prompt unlocking at the start ▶ **Continue**

For **Pattern**:

▶ Draw the pattern - join together at least four dots ▶ **Continue** ▶ Repeat the pattern ▶ **Confirm**

For **PIN**:

▶ ⌨ Enter at least four letters or digits ▶ **Continue** ▶ ⌨ Repeat the PIN ▶ **OK**

For **Password**:

▶ ⌨ Enter at least four letters or digits ▶ **Continue** ▶ ⌨ Repeat the password ▶ **OK**

Settings for the display lock

Entering a lock screen message

Enter the text to be displayed when the screen lock is enabled, such as your name and address, or an emergency message. All those picking up the phone can read the message without unlocking the smartphone.

▶ ⊞ ▶ ⚙ **Settings** ▶ **Users** – **Security** ▶ **Lock screen message** ▶ ⌨ Enter text ▶ **Save**

Showing/hiding the pattern

Only for a display lock with pattern. When entering the pattern to unlock the device, the pattern is shown as a line by default. You are able to change this for security reasons.

▶ ⊞ ▶ ⚙ **Settings** ▶ **Users** – **Security** ▶ Enable/disable the switch next to **Make pattern visible**

Setting the time for automatic display lock

The display lock is enabled once the device has been in idle mode for a certain time.

▶ ⊕ ▶ ⚙ **Settings** ▶ **Users** – **Security** ▶ **Automatically lock** ▶ Select the duration of idle mode

Enabling the display lock when switching on and off

▶ ⊕ ▶ ⚙ **Settings** ▶ **Users** – **Security** ▶ Enable/disable the switch next to **Power button instantly locks**

> ⓘ The settings for **Automatically lock** and **Power button instantly locks** can be cancelled with Smart Lock.

Automatically unlocking the device with Smart Lock

Smart Lock enables the smartphone to be unlocked automatically under certain circumstances, such as when you have it on you or are at home.

> ✔ Smart Lock must be enabled in Trust agents:
> ▶ ⊕ ▶ ⚙ **Settings** ▶ **Users** – **Security** ▶ **Trust agents**

Configuring Smart Lock:

▶ ⊕ ▶ ⚙ **Settings** ▶ **Users** – **Security** ▶ **Smart Lock**

More information on Smart Lock: → **Google Help**

Screen pinning

When you pass on the smartphone to someone else, you can restrict its usage to a single app. For this, you pin a certain view of this app.

Enabling/disabling screen pinning

▶ ⊕ ▶ ⚙ **Settings** ▶ **Users** – **Security** ▶ **Advanced** – **Screen pinning** ▶ Enable/disable the function with the switch

▶ Use the switch to specify whether the PIN, pattern or password needs to be entered to unpin the screen.

Pinning the screen

▶ Open the screen to be pinned ▶ Tap the ▣ Navigation button ▶ Swipe up until you can see the 📌 pin icon ▶ Tap the icon ▶ **OK**

Unpinning the screen

▶ Touch and hold at the same time the ◀ and ▣ Navigation buttons ▶ Enter the PIN, pattern or password as required . . . The screen is unpinned

Protection in the event of theft

If your smartphone is stolen, you are able to lock it and delete personal data remotely. For this, specify as emergency contacts the phone number(s) of one or more different smartphones, such as those of friends and family members. When the SIM card in your smartphone is swapped out, the emergency contact(s) receive(s) a message requesting the new phone number of the sender to be saved. You can also arrange for SMS messages to be sent automatically to the smartphone via the emergency contacts, which trigger the following actions:

• Locking of the smartphone
• Deleting of personal data
• Resetting of anti-theft PIN

Configuring theft protection

▸ ⊕ ▸ 🔅 **Settings** ▸ **Users** – **Security** ▸ **Mobile anti-theft protection** ▸ ⌨ Enter the PIN for theft protection (6 to 12 digits) ▸ Repeat the PIN in the **Re-enter** field ▸ **Next**

▸ ⌨ Enter the phone number of an emergency contact or select it from the contact list with ▸ 🧑₊ ▸ Tap ✔ ▸ **Next**

▸ Select option **Reset remote control commands via SMS to emergency contacts** ▸ **Done**

Changing/disabling theft protection

▸ ⊕ ▸ 🔅 **Settings** ▸ **Users** – **Security** ▸ **Mobile anti-theft protection** ▸ ⌨ Enter the anti-theft PIN . . . The current settings are displayed

To change the setting:

▸ Tap the required setting ▸ Change ⌨ ▸ **Done**

Disabling theft protection:

▸ Tap **Turn mobile anti-theft protection off** ▸ **OK**

SIM card lock

The SIM card lock prevents unauthorised use of the device. For every locked SIM card, the PIN must be entered when the device is started.

The PIN lock is enabled when the device is purchased. The PIN is available from your mobile network operator.

▸ ⊕ ▸ 🔅 **Settings** ▸ **Users** – **Security** ▸ **Set up SIM card lock** ▸ When there are two SIM cards, select the provider of the SIM card from the header

Enabling/disabling the SIM card lock:

▸ Enable/disable the switch next to **Lock SIM card** ▸ ⌨ Enter the valid PIN ▸ **OK**

Changing the PIN:

▸ **Change SIM PIN** ▸ ⌨ Enter the valid PIN ▸ **OK** ▸ ⌨ Enter the new 4-digit PIN ▸ **OK**

App permissions

When downloading an app from Google Play, specify the functions and data to which this app has access, e.g. to contacts or your location.

You can check and change permissions for apps on your device. With App permissions management, you have quick access to all permissions granted to apps on the device.

Permissions when installing apps

Many apps downloaded from Play Store request access to particular information before installation. For apps developed for Android 6.0 and higher, you can grant or deny permissions on initial use.

Information on app permissions in the Google Play Store:

- On the "Permissions" screen for an app in the Play Store, you can check which permissions the app requires and then decide whether you want to install it. Scroll down to the very end of the app description.
- For many apps, all permissions are displayed in Google Play before installation. You can use this information to decide whether you want to install the apps.
- Some apps are installed without any prompts about permissions. You are then able to grant or deny individual permissions when using the apps for the first time.
- Permissions might be changed when apps are updated automatically. When using for the first time a function which requests a new permission, you might have to grant or deny access to this data or function.
- If you want to check all updates before an installation, disable the automatic updates option in the Play Store.
  For certain apps: In the ≡ menu under **My apps and games**
  For all apps: In the ≡ menu under **Settings**

Enabling/disabling permissions for apps on the smartphone

▶ 🌐 ▶ 🔅 **Settings** ▶ **Device** – **Apps** . . . All installed apps are listed

Setting the permissions for an app:

▶ Select the app for which you want to change the permissions ▶ **Permissions** . . . All meaningful permissions for the app are displayed ▶ Grant/deny the required permissions with the switch

Displaying all permissions in detail:

▶ Tap ⋮ ▶ **All permissions**

Setting all apps with certain permissions:

▶ Tap 🔅 ▶ **App permissions** . . . All possible permissions are displayed ▶ Select a permission ▶ Grant/deny a permission for the required apps with the switch

ⓘ   If you revoke or do not grant permissions for an app, it might not work properly.

Checking and managing permissions

App permissions management provides you a quick overview of all permissions. Specify for every app whether a permission is granted always (**Always allow**), never (**Always deny**) or only on request (**Always ask**).

Enabling/disabling app permissions management:

▶ 🌐 ▶ 🔧 **Settings** ▶ **Users** – **Security** ▶ Enable/disable the **App permissions** function with the switch

Displaying detailed information on app permissions:

▶ Tap **App permissions**

Permissions and assigned apps:

. . . In **Permissions**, all permission groups are displayed, each with the number of apps using a permission

▶ Tap a permission group . . . All apps using this permission are listed

▶ Tap an app ▶ Select whether the app is granted this permission always, never or only on request

Apps and assigned permissions:

. . . In **Apps**, all apps are displayed, each with the number of permissions they are using

▶ Tap an app . . . All permissions for the app are listed ▶ Tap permission ▶ Select whether this app permission is granted always, never or only on request

> **ⓘ** If App permissions management is enabled, the 🔒 icon is displayed in the Notifications bar. You can also open App permissions management from the notification.

Android Device Manager

If you have lost your smartphone, you can use the Android Device Manager to locate it, ring it, lock it and delete data on it.

> **✔** The device is registered with a Google account (➜ p. 63)
>
> Location detection is enabled (➜ p. 65).

Enabling/disabling monitoring by the Android Device Manager:

▶ 🌐 ▶ 🔧 **Settings** ▶ **Users** – **Google** ▶ **Security** ▶ Enable/disable the **Remotely locate this device** and **Allow remote lock and erase** functions with the switch

Check whether the Android Device Manager can locate the device:

▶ Log in to your Google account on android.com/devicemanager and see whether your device is displayed

> **ⓘ** You can also install the Android Device Manager on mobile devices, such as your smartphone or a tablet (downloaded from Google Play).

Device administrators

Device administrators are apps authorised to create a connection to your smartphone and to exchange data, for synchronisation for example. You can authorise this by setting up an account hosted by a business service, such as for an email, calendar or business app.

▶ ⊕ ▶ ⚙ **Settings** ▶ **Users** – **Security** ▶ **Device administrators** . . . A list of device administrators is displayed ▶ Tick the checkboxes next to the apps to be allowed as device administrators

Displaying device administrator information:

▶ Touch and hold a service in the list

> ⓘ If you disable a device administrator, you revoke the permission of associated services to synchronise data on your phone.
>
> Google services (Gmail, contacts, calendar, etc.) are not treated as device administrators. Permissions for these services to make changes on the smartphone are managed from the Google account settings.

Certificates

Digital certificates are used to identify your smartphone in secure network connections. You require a certificate for VPN or WLAN connections for example, or for authentication with email servers, browsers or other apps. Some certificates are already stored on your phone by default. You can install further certificates.

Supported formats:

• DER coded X.509 certificates with file extensions .CRT and .CER.
• X.509 certificates in PKCS#12 keystore files with file extensions .P12 and .PFX. If you install a certificate from a PKCS#12 keystore file, the corresponding private key certificates or certification authority (CA) certificates are also installed.

Files with different file extensions cannot be installed. Change the file extension if required.

Managing certificates

▶ ⊕ ▶ ⚙ **Settings** ▶ **Users** – **Security** ▶ **Trusted credentials**

The installed certificates are displayed.

System: Contains all certificates issued by a certification authority (CA) that are permanently installed in the write-protected memory of your phone.

User: Contains all CA certificates you have installed yourself, when installing a client certificate for example.

If a certificate is corrupt or you do not trust a certificate, you can disable or delete it.

▶ Tap a certificate . . . Information on the certificate is displayed ▶ Scroll down

System certificate: ▶ **Disable/Enable** ▶ **OK**

User certificate: ▶ **Remove** ▶ **OK** . . . The certificate is deleted permanently and needs to be reinstalled if required

Installing client and CA certificates

Install additional certificates from an SD card, internal storage, the Download folder or Google Drive.

▸ Save a certificate or keystore file on one of the media mentioned above.

▸ ⊕ ▸ ⚙ **Settings** ▸ **Users – Security** ▸ **Install from SD card** ▸ Open the ☰ menu ▸ Select the certificate location ▸ Tap the file name of the required certificate or keystore ▸ Enter the keystore password ▸ **OK** ▸ Enter the certificate name ▸ **OK**

CA certificates upon which client certificates are based are also installed.

ⓘ A display lock with high security level must be set (with PIN or password) if you want to install certificates. You might be prompted to set a display lock (➔ **p. 57**).

Accounts and location detection

Accounts

Use one or more accounts to use personal information such as contacts, pictures and mailbox on multiple devices. An account enables synchronisation of the information and makes it available to all registered devices.

Account types

Google account

You need a Google account for Google services such as Gmail™, Google+™ or YouTube™, and for downloading apps from Google Play™. When you log in with a Google account, emails, contacts, appointments and other information assigned to this account are automatically synchronised with your device. You can set up a new account on the smartphone or log in the smartphone to an existing account.

Email account

If you do not use the Google account for your email, you need to register your smartphone with your mail server. POP3 and IMAP mail servers are supported.

You can still use the **Gmail** app to receive and send emails.

Managing emails with the **Gmail** app: ▸ Use an account type with icon ✉

Managing emails with the **Email** app: ▸ Use an account type with icon 📧

ⓘ You require information on the service the account uses, such as server address, user name and password. The phone must be able to establish an Internet connection over WLAN.

Exchange account

You set up an Exchange account to synchronise contacts, calendar, tasks and emails with Microsoft Outlook™.

Adding an account

▸ 🌐 ▸ ⚙️ **Settings** ▸ **Personal** – **Accounts** ▸ **Add account** ▸ Tap the type of account you want to add ▸ Enter the account details. Follow the instructions on the screen

Removing an account

> ❗ When an account is removed from a device, all associated content is also removed, such as emails, contacts and settings.

▸ 🌐 ▸ ⚙️ **Settings** ▸ **Personal** – **Accounts** ▸ Tap the account to be deleted ▸ Tap ⋮ ▸ **Remove account**

Synchronising

You can specify how apps synchronise messages, emails and other current data in your Google account.

Google apps are automatically synchronised with the Google account as standard. You can enable and disable automatic synchronisation for individual Google apps.

> ⓘ Apps which are not from Google cannot be synchronised using a Google account. Look in the respective settings menu for these apps for a synchronisation option.

Enabling/disabling automatic synchronisation

Setting synchronisation for individual apps:

▸ 🌐 ▸ ⚙️ **Settings** ▸ **Personal** – **Accounts** ▸ **Google** ▸ Select an account if several are set up . . . A list of Google apps with the time of most recent synchronisation is displayed ▸ Enable/disable synchronisation of an app with the relevant switch

Setting synchronisation for a Google account:

▸ 🌐 ▸ ⚙️ **Settings** ▸ **Personal** – **Accounts** ▸ Tap ⋮ ▸ Enable/disable the **Auto-sync data** option

> ⓘ Disabling automatic synchronisation prolongs the battery life. Enable automatic synchronisation again if you want to continue after charging the battery.

Manually synchronising an account

In manual synchronisation, the data of all Google apps is updated, including all apps with automatic synchronisation disabled.

▸ 🌐 ▸ ⚙️ **Settings** ▸ **Personal** – **Accounts** ▸ **Google** ▸ Select an account if more than one is set up ▸ **Sync now**

Location detection

Apps with **Location detection** permission can use the device's location information to offer location-specific services, such as check-in options, traffic information and nearby restaurants.

Enabling/disabling location detection

▸ From the Status bar, swipe down using two fingers … The quick settings are displayed ▸ Tap 📍

or

▸ ⊕ ▸ ⚙️ **Settings** ▸ **Personal** – **Location** ▸ Enable/disable the function with the switch

Changing location mode

Different sources for location detection of the device are used depending on mode.

- **High accuracy**

  GPS, WLAN, mobile networks and other sensors are used to determine the location of your device as accurately as possible.

- **Battery saving**

  The device determines its location using sources which require little power, such as WLAN and mobile networks.

- **Device only**

  Only GPS is used. The location service from Google is not used. This mode potentially requires more power and is slower.

Location detection enabled:

▸ ⊕ ▸ ⚙️ **Settings** ▸ **Personal** – **Location** ▸ **Mode** ▸ Select the mode

Checking location detection by apps

Check which apps are currently accessing your location, or have recently accessed your location.

▸ ⊕ ▸ ⚙️ **Settings** ▸ **Personal** – **Location** … In **Recent location requests** is a list of apps which have recently accessed the location of the device. Information on battery usage is also provided.

Managing location history

When **Location history** is enabled, Google can also determine the device's location when no Google app is active. Location history information is stored in your Google account for all devices assigned to the account.

▶   ⊕   ▶   ⚙ **Settings** ▶ **Personal** – **Location** ▶ **Google**-**Location History**

or

▶   ⊕   ▶   ⚙ **Settings** ▶ **Personal** – **Google** ▶ **Location** ▶ **Google**-**Location History**

The screen is the starting point for all activities pertaining to the location history. You can for example switch off the location history for individual or all devices, view locations visited over a certain period, show information on locations visited or delete all your location history information.

For information on location history ➜ **Google Help**

Apps

Detailed information on working with apps ➡ p. 24

Default app

If you have several apps with identical functions, you can select which app is used as standard for an action. For example, if you have downloaded from Google Play a different calendar or another app for making calls, you can make these the default apps.

Selecting a default app for an action

If multiple apps are available for an action and a default app is not defined, you are prompted to select an app.

▶ Tap the app you want to use.

▶ Select whether this app is used **Just once** or **Always** for the action.

If you select **Always**, the app is set as the default app for all actions of this type.

Resetting the default app

▶ 🌐 ▶ ⚙ **Settings** ▶ **Device** – **Apps** . . . All installed apps are listed ▶ Select the app for which **Always** was selected before for an action ▶ **Open by default** ▶ **Clear defaults**

ⓘ If you then restart the action, you are prompted again as to which app to use.

Specifying the default app for a frequently used function

For the following functions, you can select a default app at any time without performing a relevant action: **Assist & voice input**, **Browser app**, **Phone app**, **SMS app**.

▶ 🌐 ▶ ⚙ **Settings** ▶ **Device** – **Apps** ▶ Tap ⚙ ▶ **Default Apps** ▶ Select function ▶ . . . If there are several apps for this function, they are displayed ▶ Select app

Changing app settings

Check the current app settings and change them as required.

▶ 🌐 ▶ ⚙ **Settings** ▶ **Device** – **Apps** ▶ Select an app

Which settings are available depends on the respective app.

Uninstall / Disable
Uninstall app from device / disable app ➡ p. 25

Force stop
Stops the app including all background processes. This is a sensible action when an app no longer responds for example, or is running in the background and is using too many system resources (such as memory). The app can easily be started again from the App menu.

Apps

Storage

Internal storage used by the app.

Freeing up storage: ▶ Tap **Storage** ▶ **Clear data**

Freeing up temporary app memory: ▶ Tap **Storage** ▶ **Clear cache**

Data usage

Data volume downloaded or uploaded by the app over the mobile data network or WLAN
(➜ **p. 73**).

Permissions

Apps and system resources the app is permitted to access (➜ p. 60)

Notifications

Specify the procedure for app notifications (➜ **p. 23**)

Open by default

Specify how the app is to proceed with links.

Battery

Battery usage since the last full charge (➜ p. 52).

Memory

Average memory usage in the device's temporary main memory over the last three hours
(➜ p. 52).

    More settings are in the respective app in menu **Settings**. Access to the settings is
dependent on the app, from ☰ ⋮ or the ✿ icon.

General app settings

Checking and changing the permissions and default values for apps.

▶ ⊕ ▶ ✿ **Settings** ▶ **Device** – **Apps** ▶ Tap ✿

App permissions

Granting and revoking app permissions (➜ p. 60).

App links

Specify how apps are to proceed with links.

Default Apps

If several apps with identical function are available, select which one is used by default
(➜ p. 67).

Draw over other apps

Show the apps which are placed over other open apps when started.

Modify system settings

Show the apps authorised to change system settings.

Battery optimization

Shows the apps which do not have power optimisation (➜ p. 53).

Showing the details for a setting or changing a setting: ▶ Tap the required setting

Resetting app settings

Reset all the changes made to app settings.

▸ ⊞ ▸ ⚙ **Settings** ▸ **Device** – **Apps** ▸ Tap ⋮ ▸ **Reset app preferences**

Network connections

The smartphone can establish connections to mobile networks, WLANs and other devices via Bluetooth.

Mobile networks

To make and receive calls with the smartphone over a mobile network, you require a SIM card from the relevant mobile network operator. Refer to your mobile contract for which services are available, and which terms and conditions apply.

You can insert two SIM cards into your device (➜ p. 10), i.e. you can use two mobile networks at the same time.

Editing settings

▸ ⊞ ▸ ⚙ **Settings** ▸ **Wireless & networks** – **More** ▸ **Cellular networks**

> ⓘ If two SIM cards are inserted into the device, the **Mobile network settings** screen contains a tab for each SIM card ▸ Select the appropriate tab as required.

Data roaming
Permit the sending of data by the device over mobile networks of other operators whilst you are in a region where the network of your operator is not available.

> ❗ Additional charges can be incurred by data roaming (depending on your mobile contract).

Preferred networks
Select a preferred mobile network when you are not in the area of your mobile network operator.

Preferred network type
Select the preferred mobile standard, such as LTE, 3G or 2G. The smartphone uses the network with the best availability as standard.

Enhanced 4G LTE Mode
Improve speech quality and other communication.

Access point names
Your mobile network operator can use these settings to determine the correct IP address for your device, and so establish a secure connection for your device.

Cellular networks
Select your network operator from the networks available.

Using two SIM cards

▶ 🌐 ▶ 🔧 **Settings** ▶ **Wireless & networks** – **SIM cards** . . . Detected SIM cards in slots 1 and 2 are displayed

Enabling and disabling a SIM card: ▶ Enable/disable the switch

Showing information:

▶ Tap an entry . . . The name of the SIM card, the colour used for the card, the mobile network operator and the phone number are displayed. You can change the name and display colour.

Specify the preferred SIM card for the following functions:

• **Cellular data**

Only one SIM card can be used for mobile data transmission.

• **Calls**

You can specify one SIM card for all outgoing calls, or be prompted for which SIM card to use before every call.

• **SMS messages**

One SIM card can be defined for sending SMS messages.

ⓘ　You might need to perform the assignment anew when you insert a new SIM card or swap out an existing one.

WLAN

Use the smartphone to establish a connection to a WLAN, and use the connection to send data and to surf the Internet.

A connection is established automatically if the smartphone is within range of a registered WLAN and the WLAN function is enabled.

Enabling/disabling the WLAN function

▶ From the Status bar, swipe down using two fingers . . . The quick settings are displayed ▶ Tap the ▼ WLAN icon

or

▶ 🌐 ▶ 🔧 **Settings** ▶ **Wireless & networks** – **Wi-Fi** ▶ Disable/enable WLAN with the **On**/**Off** switch

When WLAN is enabled, the ▼ icon is displayed in the Status bar. The icon shows the signal strength on four levels. Little arrows in the icon show when data is being sent.

ⓘ　To prolong the battery life, disable the WLAN function when you are not using it. WLAN is disabled in Flight mode.

Establishing a connection to a WLAN

▸ From the Status bar, swipe down using two fingers . . . The quick settings are displayed ▸ Tap the arrow under the 🔻 WLAN icon

or

▸ ⊕ ▸ ⚙ **Settings** ▸ **Wireless & networks** – **Wi-Fi**

. . . All WLANs within range are displayed.

Networks protected by a password have a lock next to the 🔒 icon. Networks without a lock icon are public hot spots.

▸ Tap the required WLAN ▸ ▦ Enter the network password ▸ **Connect** . . . If the connection is successful, **Connected** is displayed under the network name

WLANs registered for the smartphone are shown in the **Saved networks** list, even if they are currently out of range and no connection is established.

Showing saved WLANs: ▸ Tap ⦙ ▸ **Saved networks**

Adding more WLANs

WLANs which do not send their name (the SSID) or are not within range are not displayed in the WLAN list. They can still be saved with name and password. The connection is established if the WLAN is within range.

▸ ⊕ ▸ ⚙ **Settings** ▸ **Wireless & networks** – **Wi-Fi** ▸ Tap ⦙ ▸ **Add a network** ▸ ▦ Enter the network name (SSID) and security details ▸ **Save** . . . The network is included in the **Saved networks** list

Removing a WLAN

If the requirement is for the device to not automatically connect to a saved WLAN, the WLAN can be removed from the list of saved networks.

▸ ⊕ ▸ ⚙ **Settings** ▸ **Wireless & networks** – **Wi-Fi** ▸ Tap ⦙ ▸ **Saved networks** ▸ Tap the saved network to be removed ▸ **Forget**

Viewing WLAN details

▸ ⊕ ▸ ⚙ **Settings** ▸ **Wireless & networks** – **Wi-Fi** ▸ Tap the network name of a connected WLAN . . . Information on the connection is displayed, such as signal strength, connection status and transmission rate

Changing the network settings:

▸ Touch and hold the network name ▸ **Modify network**

Deleting a network: ▸ **Forget network**

Connection configuration

Align the network settings to the requirements of the WLAN to be used to establish a connection.

▶ 🌐 ▶ ⚙️ **Settings** ▶ **Wireless & networks** – **Wi-Fi** ▶ Touch and hold the network name ▶ **Modify network** ▶ Tap the down arrow next to **Advanced options** . . .

Proxy

If a connection to a WLAN is established over a proxy: ▶ Tap **Proxy**

Manually entering the proxy details: ▶ **Manual** ▶ ⌨️ Enter the details ▶ **Save**

Automatic proxy configuration: ▶ **Autom. proxy config.** ▶ ⌨️ Enter the URL of a PAC file ▶ **Save**

ⓘ A Proxy Auto Config (PAC) file enables a web browser to automatically find the right proxy server for a required URL.

DHCP

When there is no active DHCP server in the WLAN: ▶ Tap **DHCP** ▶ **Static** ▶ ⌨️ Enter the network configuration details ▶ **Save**

Advanced options

▶ 🌐 ▶ ⚙️ **Settings** ▶ **Wireless & networks** – **Wi-Fi** ▶ Tap ⋮ ▶ **Advanced** ▶ Select option . . .

Show a notification when the device finds a WLAN to which a connection can be established.

▶ Enable/disable the function with the switch next to **Network notification**

The WLAN connection has a high power requirement. Specify how the WLAN connection proceeds when the device is in sleep mode.

▶ **Keep Wi-Fi on during sleep** ▶ Select the desired option

Digital certificates are used to identify the device for WLAN access. You can install additional certificates if not all those required are available.

▶ **Install certificates** ▶ Select the source for the certificate

Certificates ➜ p. 62

Establish a connection between the device and other Wi-Fi Direct-enabled devices.

▶ **Wi-Fi Direct** . . . WiFi Direct-enabled devices or groups within range are displayed ▶ Select the required device or group

Registration at a WLAN Access Point with the WPS Push function.

▶ **WPS Push Button** ▶ Enable WPS Push function at the Access Point . . . The connection is established

Registration at a WLAN Access Point with personal identification number (PIN).

▶ **WPS Pin Entry** . . . The WPS PIN of the device is displayed ▶ Enter WPS PIN at the Access Point . . . The connection is established

Information on the device's WLAN interface

The screen shows the current MAC address, IP address and IP-V6 address of the device

Data usage

The data usage is the amount of data uploaded or downloaded by the device over a certain period over the mobile data connection or WLAN. Most tariffs include a restriction of data volume. So as not to incur any additional costs, you can check the data usage of the device and change it as required.

Checking data usage

▸ ⊕ ▸ ⚙ **Settings** ▸ **Wireless & networks** – **Data usage**

Displayed in **Cellular** is the data volume sent so far in the current month for every SIM card inserted.

Displayed in **Wi-Fi** is the data volume sent over the WLAN for the current day and month.

Showing further information, such as the apps involved in data usage:

▸ In the header, tap the name of a mobile network operator or **Wi-Fi** ▸ Scroll down to show the apps

Setting a limit and warning for data usage

▸ ⊕ ▸ ⚙ **Settings** ▸ **Wireless & networks** – **Data usage** ▸ In the header, tap the name of a mobile network operator ▸ Enable the function with the switch next to **Set cellular data limit** . . . The data volume agreed with the mobile network operator is entered in the graphic. Data usage is disabled automatically when the limit is reached. You receive a notification.

Setting a limit for the warning:

▸ In the graphic, touch the **Warning** line and drag it to the required position . . . You receive a notification when the data volume reaches the set value

Re-enabling data usage:

▸ Disable the function again with the switch next to **Set cellular data limit**

> ❗ Data transmission can now incur costs.

Enabling/disabling mobile data connection

When you disable data transmission over the mobile network, actions with high data usage (such as updating apps) are only performed when there is a connection to a WLAN.

▸ From the Status bar, swipe down using two fingers . . . The quick settings are displayed ▸ Tap 🔋

or

▸ ⊕ ▸ ⚙ **Settings** ▸ **Wireless & networks** – **Data usage** ▸ In the header, tap the name of a mobile network operator ▸ Enable/disable data transmission with the switch next to **Cellular data**

Other ways to reduce data usage

Disabling automatic synchronisation

When automatic synchronisation is enabled, the data of apps is updated automatically (such as contacts or appointments).

Disabling automatic synchronisation: ➜ p. 64

Restricting the use of background data

▶ 	 ▶ Settings ▶ **Wireless & networks** – **Data usage** ▶ In the header, tap the name of a mobile network operator . . .

For all apps: ▶ Tap ⋮ ▶ **Restrict app background data** ▶ **OK**

For individual apps:

▶ Scroll down ▶ Select the required app . . . Data usage details are displayed ▶ Enable/disable the function with the switch next to **Restrict app background data**

ⓘ Restricting background data can impact the performance of the app. For example, you receive no more notifications until the app is opened next.

Disabling data roaming

If the network of your mobile network operator is not available, data roaming enables the device to use the networks of other operators.

▶ 	 ▶ Settings ▶ **Wireless & networks** – **Data usage** ▶ In the header, tap the name of a mobile network operator ▶ Tap ⋮ ▶ **Cellular networks** ▶ Enable/disable the option with the switch next to **Data roaming**

ⓘ Data roaming can entail additional costs, but is in some places the only way to establish an Internet connection.

Bluetooth

Use the smartphone to establish a connection to a Bluetooth device.

If you are using a Bluetooth device for the first time, it must first be coupled with the smartphone by the Pairing process to enable a secure connection between the two devices. Then the connection is established automatically.

Enabling/disabling Bluetooth

▶ From the Status bar, swipe down using two fingers . . . The quick settings are displayed ▶ Tap the ⚹ Bluetooth icon

or

▶ 	 ▶ Settings ▶ **Wireless & networks** – **Bluetooth** ▶ Disable/enable Bluetooth with the **On/Off** switch

When Bluetooth is enabled, the ⚹ icon is displayed in the Status bar.

ⓘ The device can be seen by all nearby devices with Bluetooth function.

To prolong the battery life, disable the Bluetooth function when you are not using it. Bluetooth is disabled in Flight mode.

Pairing

Before you can connect a phone or tablet to a Bluetooth device, you must perform a pairing between these devices. After a pairing is performed, the devices keep this status until the pairing is ended.

▸ ⊕ ▸ ⚙ **Settings** ▸ **Wireless & networks** – **Bluetooth** . . . Bluetooth devices available in the vicinity are displayed ▸ Tap the name of the required Bluetooth device ▸ Follow the subsequent instructions on the screen to complete the pairing . . . If performed successfully, the device is included in the **Paired devices** list

ⓘ If requested to enter a password, try the popular 0000 and 1234 passwords, or read the documentation for the Bluetooth device.

Changing the names of connected Bluetooth devices or ending pairing

▸ ⊕ ▸ ⚙ **Settings** ▸ **Wireless & networks** – **Bluetooth** ▸ In the **Paired devices** list, tap ⚙ next to the Bluetooth device

Changing name: ▸ ⌨ Enter the name of the device ▸ **OK**

Ending a pairing: ▸ **Forget**

Changing the Bluetooth name of the smartphone

The smartphone can be seen by other Bluetooth devices under name Gigaset GS160. You can change this name.

▸ ⊕ ▸ ⚙ **Settings** ▸ **Wireless & networks** – **Bluetooth** ▸ Tap ⋮ ▸ **Rename this device** ▸ ⌨ Enter the new device name ▸ **Rename**

Displaying data transmission information

▸ ⊕ ▸ ⚙ **Settings** ▸ **Wireless & networks** – **Bluetooth** ▸ Tap ⋮ ▸ **Show received files** . . . Data received via Bluetooth is displayed

Flight mode

WLAN, mobile networks and Bluetooth are disabled in Flight mode.

▸ From the Status bar, swipe down using two fingers . . . The quick settings are displayed ▸ Tap the ✈ Flight mode icon

or

▸ ⊕ ▸ ⚙ **Settings** ▸ **Wireless & networks** – **More** ▸ **Airplane mode** ▸ Enable/disable Flight Mode with the switch

or

▸ Press and **hold** the On/Off button ▸ Tap ✈ **Airplane mode** ▸ **OK**

When Flight mode is enabled, the ✈ icon is displayed in the Status bar.

Virtual Private Networks (VPN)

A Virtual Private Network (VPN) enables you to connect the smartphone to your private or a company network. When you are out and about and have access to a WLAN, use the VPN connection to surf free of eavesdroppers, to make free calls over your landline number, and to access your mailbox or data in the company network.

> A VPN server is set up in the private or company network.

A VPN client is preinstalled on the smartphone. You need the configuration details of the VPN to set up a VPN connection.

> **ⓘ** You might require another VPN client for the VPN with which you want to connect the smartphone. Various VPN apps are available from the Google Play Store. Once you have installed a VPN app, configuration is done via the app.

Adding a VPN

▶ **⊕** ▶ **⚙ Settings** ▶ **Wireless & networks** – **More** ▶ **VPN** ▶ Tap **➕** ▶ **⌨** Enter the configuration details ▶ **Save**

Establishing a connection to a VPN

▶ **⊕** ▶ **⚙ Settings** ▶ **Wireless & networks** – **More** ▶ **VPN** . . . The VPNs set up are listed ▶ Select a VPN ▶ **⌨** Enter **Username** and **Password** ▶ **Connect**

Once the device is connected to a VPN, the **⊙⊤** icon is shown in the Status bar.

Ending a VPN connection

▶ From the Status bar, swipe down using two fingers . . . The quick settings are opened ▶ Next to **Network may be monitored**, tap the **⊙⊤** icon ▶ Next to the VPN to be disconnected, tap **⚙** ▶ **Disconnect**

Deleting a VPN

▶ **⊕** ▶ **⚙ Settings** ▶ **Wireless & networks** – **More** ▶ **VPN** . . . The VPNs set up are listed ▶ Next to the VPN to be deleted, tap **⚙** ▶ **Forget**

Editing VPN settings

▶ **⊕** ▶ **⚙ Settings** ▶ **Wireless & networks** – **More** ▶ **VPN** ▶ Next to the VPN to be changed, tap **⚙** ▶ **⌨** Edit the VPN settings ▶ **Save**

> **ⓘ** If you are using a VPN app, it is opened and you can make the required changes.

Enabling/disabling "always-on" VPN

With some VPNs, the device remains always connected when the VPN connection is not active. This is a sensible option when moving between insecure public WLANs.

Enabling "always-on" VPN:

▶ When registering with a VPN, select option **Save account information**

▶ Tap ⋮ ▶ **Always-on VPN** ▶ Select the VPN ▶ **OK**

You receive a notification that "always-on" VPN is enabled, and when the connection to an "always-on" VPN is down.

Disabling "always-on" VPN:

▶ Tap ⋮ ▶ **Always-on VPN** ▶ **None** ▶ **OK**

ⓘ   Once you have set up a VPN from an app, the option **Always-on VPN** is not displayed.

Tethering with WLAN hotspot, Bluetooth or USB

With mobile WLAN hotspots, Bluetooth tethering and USB tethering, you can enable the data connection of the smartphone to other devices. For example, use a smartphone connection to surf the Internet with your notebook.

> Using hotspot or tethering connections might entail additional charges.
> Contact your mobile operator as required.
>
> Hotspots and tethering require high levels of battery power.
>
> ▶ Connect the smartphone to a power source when using hotspot and tethering.
>
> ▶ Disable hotspot and tethering when you do not need them.

Enabling and disabling WLAN hotspot

Set up your own device as a WLAN hotspot.

▶ ⊞ ▶ ⚙ **Settings** ▶ **Wireless & networks** – **More** ▶ **Tethering & portable hotspot** ▶ **Wi-Fi hotspot** ▶ Enable/disable the function with the switch

When the hotspot is enabled, the ⊚ icon is displayed in the Status bar.

The ⦿ icon is displayed in the Notifications bar. The number of connected and blocked users is displayed in the message.

Changing WLAN hotspot settings

Change the network name, security, password and frequency band for access points.

▶ ⊞ ▶ ⚙ **Settings** ▶ **Wireless & networks** – **More** ▶ **Tethering & portable hotspot** ▶ **Wi-Fi hotspot** ▶ **Set up Wi-Fi hotspot** ▶ Change the required option ▶ **Save**

Connecting a device to the WLAN hotspot

Showing the network name and password on the smartphone:

▸ 🌐 ▸ ⚙ **Settings** ▸ **Wireless & networks** – **More** ▸ **Tethering & portable hotspot** ▸ **Wi-Fi hotspot** ▸ **Set up Wi-Fi hotspot** ▸ Tap **Show password** . . . The network name and password are displayed

Connecting to the hotspot on the other device:

▸ Open the list of WLANs within range ▸ Select network with the network name of the hotspot ▸ Enter the password for the hotspot ▸ Connect.

Setting up and using Bluetooth tethering

Share the Internet connection with other devices via Bluetooth.

> ✔ The mobile data connection is active ➜ p. 73

▸ Carry out pairing between the smartphone and the device with which you want to share the Internet connection (➜ p. 75)
▸ Set up the other device so that it establishes a network connection over Bluetooth. For more information, read the instructions for the device.

Enabling and disabling the Internet connection of the phone via Bluetooth tethering:

▸ 🌐 ▸ ⚙ **Settings** ▸ **Wireless & networks** – **More** ▸ **Tethering & portable hotspot** ▸ Enable/disable the **Bluetooth tethering** function with the switch . . . You can now establish an Internet connection with the other device

Setting up and using USB tethering

Share the Internet connection with another device over a USB cable.

> ✔ The mobile data connection is active ➜ p. 73

▸ Use a USB cable to connect the smartphone to another device . . . The 🔌 USB icon is displayed in the Notifications bar ▸ Open message over USB connection and ensure that **USB for file transfer** or **USB for photo transfer** is set (➜ p. 33)

Enabling/disabling USB tethering:

▸ 🌐 ▸ ⚙ **Settings** ▸ **Wireless & networks** – **More** ▸ **Tethering & portable hotspot** ▸ Enable/disable the **USB tethering** function with the switch . . . You can now establish an Internet connection with the other device

When USB tethering is enabled, the 🔌 icon is displayed in the Notifications bar.

> ⓘ USB tethering is disabled permanently if you unplug the USB cable.
>
> USB tethering is not available on Mac computers.

System

Date and time

▶ ⊕ ▶ ⚙ **Settings** ▶ **System** – **Date & time** . . .

Automatic setting

The date and time are set automatically using a time server:

▶ **Automatic date & time** ▶ Select the source (network or GPS)

or: ▶ Disable it and set the date and time manually

Manual setting

▶ **Set date** ▶ Select a date in the calendar ▶ **OK**

▶ **Set time** ▶ Drag the hour display to the correct position ▶ **OK**

Use the outer ring for 12-hour display

Use the inner and outer rings for 24-hour display

▶ Tap the minutes display of the time displayed ▶ Drag the pointer to the correct position ▶ **OK**

Setting the time zone

The time zone is set automatically by default. Selecting the time zone yourself:

▶ Disable the switch next to **Automatic time zone** ▶ Tap **Select time zone** ▶ Select the time zone from the list

Setting the date and time format

Displaying the time in 24-hour format (e.g. 18:30) / 12-hour format (6:30 pm):

▶ Enable/disable the switch next to **Use 24-hour format**

Changing the date format:

▶ Tap **Select date format** ▶ Select the date format

Software updates

Checking the Android version

▶ ⊕ ▶ ⚙ **Settings** ▶ **System** – **About phone** . . . The current version is displayed under **Android version**

Downloading Android updates

You will be informed when a new Android system update is available for your device.

(i) Updates use up power and entail high data volumes.

So before an installation, check the battery charge level (→ p. 52) and data usage (→ p. 73). Connect the device to the power if required and establish a WLAN connection.

Installing an update after receiving a notification

Display not locked:
▶ From the Notifications bar, swipe down ▶ Tap the update notification

Display locked:
▶ Double tap the update notification on the lock screen

Start the installation:
▶ Tap **Download**

Installing an update without receiving a notification

▶ 🌐 ▶ 🔧 **Settings** ▶ **System** – **About phone** ▶ **System updates** . . . The system is checked

If there is a more up-to-date version: ▶ Tap **Download**

Backing up and restoring the system

Backing up data and settings

Use the Android Backup Service to backup data linked to one or more Google accounts. If you have to swap your device or delete data, you can restore the data from every Google account backed up beforehand.

The following data is backed up:

• Google calendar settings
• WLAN networks and passwords
• Wallpaper of start screens
• Gmail settings
• Apps installed with Google Play (apps backed up in the Play Store app)
• Screen settings (i.e. brightness and sleep mode)
• Language and input settings
• Date and time
• Settings and data of third party apps (different depending on app)

(i) The Android Backup Service is not used by all apps. Not all data might be backed up or restored for certain apps.

▶ 🌐 ▶ 🔧 **Settings** ▶ **Personal** – **Backup & reset** ▶ **Back up my data** ▶ Enable/disable the function with the switch ▶ Back with ◁

Setting up a backup account:

▶ **Backup account** ▶ **Add account** ▶ Enter the PIN, pattern or password ▶ Enter the account details

ⓘ You can set up more than one backup account.

Restoring data and settings

Restore data backed up with the Android Backup Service.

▶ ⊕ ▶ ⚙ **Settings** ▶ **Personal** – **Backup & reset** ▶ Enable/disable the switch next to **Automatic restore**

Resetting network settings

Reset WLAN, mobile and Bluetooth data.

▶ ⊕ ▶ ⚙ **Settings** ▶ **Personal** – **Backup & reset** ▶ **Network settings reset** ▶ **Reset settings**

Deleting DRM licenses

If you have received and installed DRM licenses to use videos, music and electronic documents, you can delete these licenses (DRM = Digital Rights Management).

▶ ⊕ ▶ ⚙ **Settings** ▶ **Personal** – **Backup & reset** ▶ **DRM reset** ▶ **OK**

Resetting the device to the default settings

You can remove all personal data when you pass on the device to another person.

⚠ When resetting the device to the default settings, the internal storage is cleared, downloaded apps, music, photos, etc. are removed and registration to the Google account is cancelled.

▶ ⊕ ▶ ⚙ **Settings** ▶ **Personal** – **Backup & reset** ▶ **Factory data reset** ▶ **Reset phone**

Appendix

Customer service

Spare parts and accessories for your product are available from www.gigaset.com.
Help is available from www.gigaset.com/service.

Exclusion of liability

The display is made up of pixels. Each pixel consists of three sub-pixels (red, green, blue).
It may be the case that a sub-pixel is missing or has a colour deviation.
A warranty claim is only valid if the maximum number of permitted pixel errors is exceeded.

Description	Maximum number of permitted pixel errors
Colour illuminated sub-pixels	1
Dark sub-pixels	1
Total number of coloured and dark sub-pixels	1

ⓘ Signs of wear on the display and casing are excluded from the warranty.

Certain content and services which can be accessed using this device are the property of third parties and are protected by copyrights, patents, trademarks and/or other laws for the purpose of safeguarding intellectual property. Such content and services are provided solely for non-commercial, private usage. You may not use content or services which has/have not been authorised by the owner of particular content or a service provider. Without limiting the generality of the foregoing, except as expressly specified by the owner of the content or the service provider, the modification, reproduction, dissemination, uploading, publication, transmission, translation, sale, creation of derived works, distribution of content or services shown on this device are not permitted in any form and on any medium.

Manufacturer's advice

Authorisation

This device is intended for use within the European Economic Area and Switzerland. If used in other countries, it must first be approved nationally in the country in question.
Country-specific requirements have been taken into consideration.
We, Gigaset Communications GmbH, declare that this device meets the essential requirements and other relevant regulations laid down in Directive 1999/5/EC.
The full text of the EU declaration of conformity is available at the following internet address:
www.gigaset.com/docs.
This declaration could also be available in the "International Declarations of Conformity" or "European Declarations of Conformity" files.
Therefore please check all of these files.

CE 0700

Waste and environmental protection

Correct disposal of this product

(Directive for electric and electronic equipment (WEEE))

(Applicable in countries with waste separation systems)

This label on the product, accessory or in documentation indicates that the product and its electronic accessories (such as charger, headphones and USB cable) may not be disposed of in household waste.

To avert potential environmental harm and health risks from unmanaged waste disposal, recycle responsibly with the aim of encouraging sustainable reuse of raw materials.

Private users should turn to the dealers from where they bought their products, or contact the authorities responsible, who are able to provide information on where parts can be taken for disposal in an environmentally friendly manner.

Commercial users should please contact their suppliers and check the general terms of their purchase agreement.

This product and the electronic accessory parts may not be disposed of with other commercial waste.

This "WEEE" is compatible with the RoHS Directive.

Correct disposal of batteries in this product

(Applicable in countries with waste separation systems)

This label on the battery, in the manual or on the packaging denotes that the batteries in this product may not be disposed of in household waste.

Not disposing of batteries properly means the substances inside pose a health risk and a risk to the environment.

To protect natural resources and encourage environmentally responsible reuse of material resources, please separate batteries from other waste streams and dispose of them at your local, free collection point for used batteries.

About radiation

Information on SAR certification (specific absorption rate)

THIS DEVICE SATISFIES THE INTERNATIONAL DIRECTIVES FOR EXPOSURE BY RADIO WAVES.

Your mobile device has been developed so as not to exceed internationally recommended exposure thresholds for radio waves.

These directives have been specified by an independent scientific organisation (ICNIRP) and include a high margin of safety which should guarantee the safety of all regardless of age and state of health. The directives on exposure to radio waves use a unit called the specific absorption rate (SAR). The SAR threshold for mobile devices is 2.0 W/kg. The highest SAR values in the ICNIRP Directives for this device model:

Highest SAR value for this phone model and measurement conditions

SAR for head	0.408 W/kg
SAR for wearing on body	1.450 W/kg

The SAR values for wearing on the body are determined at a distance of 5 mm. To comply with the HF exposure directives for wearing on the body, the device should be positioned at least this distance away from the body.

Icons

Status bar and quick settings

▮ ▮ / ▯ ▯	Battery charge status / battery is charging
▽ / ▼ / ▼ / ▼	WLAN connection enabled. The receive quality is shown on four levels.
▼	WLAN connection disabled.
✳ / ✳	Bluetooth enabled / disabled
◢ / ◢ / ◢ / ◢	Mobile connection enabled. The receive quality is shown on four levels.
◣ / ◣	Mobile connection disabled / no SIM card inserted
⚷	VPN connection active
⊡ / ⊡	Data connection enabled / disabled
✈ / ✈	Flight mode enabled / disabled
▯ / ◇	Portrait view set / automatic rotation of screen possible
◀)) / ⊖ / ▯▮	Ringtone: Highest volume / Switched off / Vibration only
▼ / ▼	Torch switched on/off
● / ●	Location detection permitted / not permitted
● / ⊖ / ⊙	"Do not disturb" function: **Disabled** / **Alarms only**, **Priority only** / **Total silence**
◉	WLAN hotspot activated
⚡	Enable/disable ultra power saving mode

Notifications

🔒	App authorisation management
☍	Missed call
😀	New text message
✉	New email
▯	New SD card detected
▣	Screenshot created
🖔 / 🖔	USB cable connected / USB tethering enabled
((•))	WLAN hotspot activated
⊙	Multiple tethering connections activated (USB and/or WLAN)
↓ / ↑	Data downloaded / data uploaded
⇓	Turbo download enabled
📥 / ☑	Update for Google available / Google apps updated

. . . Other app-specific notifications

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