Smart E8
User manual

VFD 511

About this manual

Thank you for choosing this mobile device. In order to keep your device in its best condition, please read this manual and keep it for future reference.

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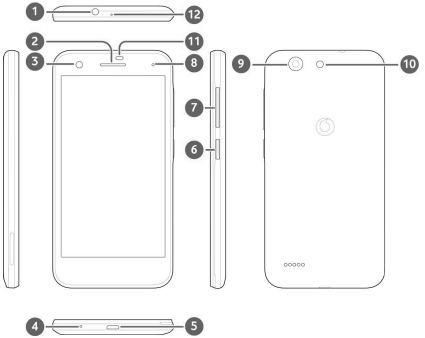
Getting started

Getting to know your phone



Number	Name
1	Headset jack
2	Earpiece
3	Front camera
4	Main microphone
5	Charging/micro-USB jack
6	Power key
7	Volume key
8	Indicator light
9	Back camera
10	Back flash
11	Proximity & light sensor
12	Auxiliary Microphone

Knowing the keys

Key	Function
Power key	• Press and hold to turn on or off flight mode, reboot, turn on or off vibration or sound, power off, or take a screen shot. • Press to turn off or on the screen display.
Volume key	Press or hold either end of the key to turn the volume up or down.
Home key	• Touch to return to the home screen from any application or screen. • Touch and hold to use Google Search or Now on Tap.
Back key	Touch to go to the previous screen.
Recent apps key	Touch to see recently used apps.

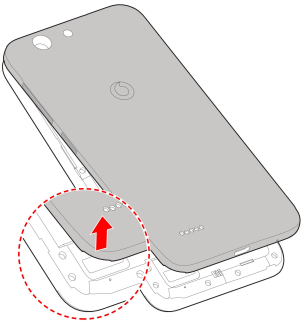
Setting Up Your Phone

Power off your phone before removing or replacing the battery. Power off your phone before installing or removing the nano-SIM card. The microSDXC card (optional) can be installed or removed while the phone is turned on, but you need to unmount it before removing it.

WARNING!

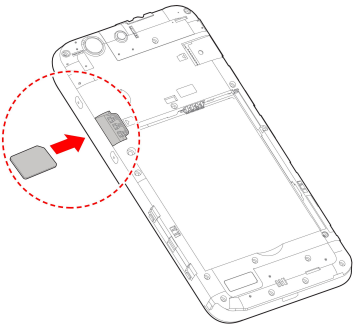
To avoid damage to the phone, do not use any other kind of SIM cards, or any non-standard nano-SIM card cut from a SIM card. You can get a standard nano-SIM card from your service provider.

1. Insert your fingernail into the slot at the bottom left of the back cover and lift it up gently.

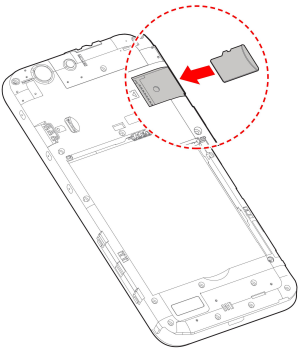


2. Install the nano-SIM card and the microSDXC card (optional).

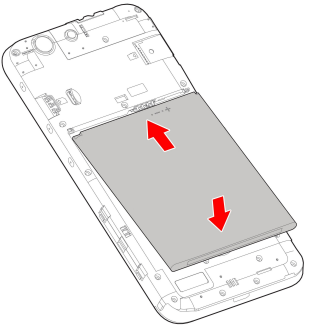
   ► Slide the nano-SIM card into the card holder.



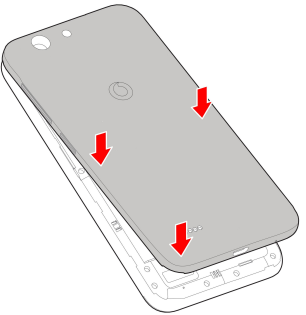
- Hold the microSDXC card with the cut corner oriented as shown and slip it into the card slot.



3. Insert the battery. Make sure the connectors on the battery go into the battery compartment first and align with the connectors in it. Gently push down on the battery until it clicks into place.



4. Install the back cover in the order and direction as shown in the figure.



Charging the battery

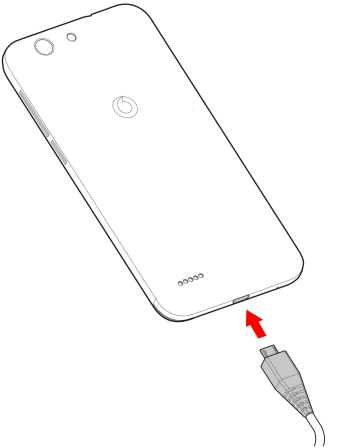
Your phone's battery should have enough power for the phone to turn on, find a signal, and make a few calls. You should fully charge the battery as soon as possible.

If the battery is low, there will be a pop-up message on the screen.

WARNING!

Use only approved chargers and cables. The use of unapproved accessories could damage your phone or cause the battery to explode.

1. Connect the adapter to the charging jack. Ensure that the adapter is inserted with the correct orientation. Do not force the connector into the charging jack.



2. Connect the charger to a standard AC power outlet. If the phone is on, you'll see a charging icon, such as or , appear on the status bar.
3. Disconnect the charger when the battery is fully charged.

NOTE:

If the battery is extremely low, you may be unable to power on the phone even when it is being charged. In this case, try again after charging the phone for at least 20 minutes. Contact the customer service if you still cannot power on the phone after prolonged charging.

Extending the battery life

Active applications, screen brightness levels, Bluetooth and Wi-Fi usage and GPS functionality can drain your battery. You can follow the helpful tips below to conserve your battery power:

- Use the battery saver feature in Settings.
- Reduce the screen backlight time.
- Lower the screen brightness.
- Turn Wi-Fi, Bluetooth and auto-sync off when not in use.
- Disable the GPS function when not in use. Most applications using this function will periodically query the GPS satellites for your current location, and each query drains your battery.

Powering on/off

- Press and hold the **Power** key to turn on your phone.
- To power off, press and hold the **Power** key to open the options menu and touch **Shut down**.

Setting up for the first time

When you first power on your phone after you purchase it or reset it to factory settings (see Backup and reset), you need to do some settings before using it.

Touch the language field to select the language. Then follow the on-screen prompts to set up your phone.

Locking/unlocking the screen and keys

Your phone allows you to quickly lock the screen and keys (put the phone to sleep mode) when not in use and to turn the screen back on and unlock it when you need it.

To lock the screen and keys:

To quickly turn the screen off and lock the keys, press the **Power** key.

NOTE:
To save battery power, the phone automatically turns off the screen after some time of inactivity. You will still be able to receive messages and calls while the phone screen is off.

To unlock the screen and keys:

1. Press the **Power** key to turn the screen on.

   - or -

   Double-tap on the screen to turn it on.

   NOTE:
   To enable this feature, select **> Settings > Display > Double tap to wake** from the home screen.

2. Swipe up on the screen.

   - or -

   Swipe from a shortcut icon at the bottom to open the related app or feature.

   - or -

   Touch a notification twice consecutively to open the related app.

NOTE:
You can edit the shortcut icons on the lock screen. Select **> Settings > Display > Edit Lockscreen shortcuts** from the home screen, touch a shortcut to change it, or touch **Add shortcut** to add one.

Using the touch screen

Your phone's touch screen enables you to control actions through a variety of touch gestures.

- Touch

  When you want to type using the onscreen keyboard, select items on the screen such as the application and settings icons, or press the onscreen buttons, simply touch them with your finger.

- Touch and Hold

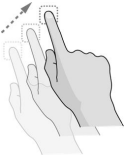
  To open the available options for an item (for example, a message or link in a web page), touch and hold the item.

- Swipe or Slide

  To swipe or slide means to quickly drag your finger vertically or horizontally across the screen.

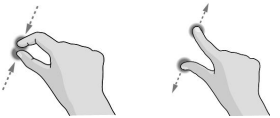
- Drag

  To drag, press and hold your finger with some pressure before you start to move your finger. While dragging, do not release your finger until you have reached the target position.



- Pinch

  In some apps (such as Maps and web browser), you can zoom in and out by placing two fingers on the screen at once and pinching them together (to zoom out) or spreading them apart (to zoom in).



- Rotate the screen

  For most screens, you can automatically change the screen orientation from portrait to landscape by turning the phone sideways.

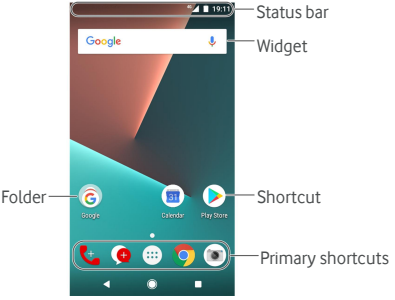
  NOTE:

  The auto-rotate feature needs to be enabled for the screen orientation to automatically change. Touch > **> Settings > Display > When device is rotated** and select **Rotate the contents of the screen**.

  You can also access the screen rotation control by sliding down the status bar twice, slide left and touch **Auto-rotate/Portrait**.

Getting to know the home screen

The home screen is the starting point for your phone's applications, functions, and menus. You can customise your home screen by adding shortcuts, folders, widgets, and more.



Extended home screen panels

Your home screen is extendable, providing more space for shortcuts, widgets, and more. Simply swipe left or right on the home screen to see the extended panels. You can add or remove home screen panels, or adjust their order.

To add a new home screen panel:

1. Touch and hold an empty area of the home screen to access the home screen thumbnails.
2. Slide left until + appears.
3. Touch + to create a new home screen panel.

To adjust the order of a home screen panel:

1. Touch and hold an empty area of the home screen and slide left or right to view the home screen thumbnails.
2. Touch and hold a thumbnail and drag it left or right to

the place you need.

To open your favourite home screen app:

You can slide right on the home screen to open your favourite app quickly.

1. Slide right if necessary on the home screen to access the leftmost home screen.
2. Slide right on the screen to open your favourite app.

NOTE:

Touch > **> Settings > Display > Favourite app panel** to turn on of off this feature, or touch **Favourite home screen app** to select your favourite app.

To lock or unlock your home screen layout:

After the home screen layout is locked, you cannot add/remove /adjust the home screen panel, add/remove/move items on the home screen, or change the wallpaper.

1. Touch and hold an empty area of the home screen to access the home screen thumbnails.
2. Touch / to lock/unlock the home screen layout.

Knowing the basics

Monitoring the phone status

The status bar at the top of the home screen provides phone and service status icons on the right side. Below are some of the icons you may see.

E	EDGE connected		No signal
3G / H+	3G/HSPA+ connected		Signal strength
4G	4G connected		Flight mode
	Do not disturb mode on (Alarms only or Priority only)		Bluetooth® on
	Do not disturb mode on (Total silence)		Connected to a Wi-Fi® network
	Vibration on		Speaker on
	Battery low		Phone microphone off
	Battery full		GPS on
/	Battery charging		Alarm set

Managing notifications

Notification icons

The status bar at the top of the home screen provides notification icons on the left. Below are some of the icons you may see.

	New SMS/MMS		New Wi-Fi network detected
	Missed call		Downloading data
	Call in progress		Sending data
	Data saver on		USB tethering on
	Call on hold		Portable Wi-Fi hotspot on
	Song playing		microSD card mounted
	Wired headset connected		

Open/close the notification panel

Notifications report the arrival of new messages, calendar events, and alarms, as well as ongoing events, such as when you are playing music. You can open the notification panel to view the details of notifications.

- To open the notification panel, swipe your finger down from the top of the screen.
- To close the notification panel, swipe your finger up on the screen or touch .

Entering text

You can enter text using the onscreen keyboard. Some apps open it automatically. In others, you open it by touching where you want to type. Touch to hide the onscreen keyboard. You can also enter text by speaking with the Google voice typing feature.

Enable or disable input methods

1. Touch > > **Settings > Languages & input > Virtual keyboard**.
2. Touch **Manage keyboards**.
3. Slide the switches beside the input methods to enable or disable them.

NOTE:

Some default input methods may not be disabled.

Change input methods

1. When you use the onscreen keyboard to enter text, touch the icon at the bottom right corner of the screen.
2. Select the input method you need.

NOTE:

The icon appears only when more than one input method is installed and enabled.

Input method settings

Choose the input method settings by touching > **Settings > Languages & input > Virtual keyboard** from the home screen. You can set the current input method and choose the settings for input methods.

Editing text

- **Move the insertion point:** Touch where you want to type. The cursor blinks in the new position, and a tab appears below it. Drag the tab to move the cursor.
- **Select text:** Touch and hold or double-tap within the text. The nearest word highlights, with a tab at each end of the selection. Drag the tabs to change the selection.
- **Cut or copy:** Select the text you want to manipulate. Then touch **CUT** or **COPY** to cut or copy the text to the clipboard.
- **Replace text with the clipboard text:** Select the text you want to replace. Then touch **PASTE**.
- **Insert clipboard text to the text field:** Touch and hold the tab below the cursor and then select **PASTE**.

Opening and switching apps

Open an app

1. Touch > to open the application list screen.
2. Slide up or down on the screen and touch an app to open it.

NOTE:

Drag the slider on the right side of the screen to the initial letter of the app you need, or touch the search box at the top to search for apps.

Switch between recently opened apps

1. Touch . The apps you've used recently are displayed in a series of tabs. Slide up and down to see all the tabs.
2. Touch a tab to open that app.

NOTE:

You can swipe a tab sideways or touch **X** on the tab to remove it from the screen; touch on the tab to lock it; touch **CLEAR ALL** to remove all unlocked tabs.

NOTE:

Double-tap to quickly switch between two most recently opened apps.

Use two apps in split-screen mode

You can work with two apps at the same time in split-screen mode.

NOTE:

Some apps may not support split-screen mode.

1. Open the first app you want to use and then touch and hold . The screen is divided into two.
2. You can do one of the following.
   - If the app you need is in the recent apps list, touch it to set it as the second app.
   - Touch > to find the app you need and open it as the second app.

To turn off split-screen mode, touch and hold , or drag the handle on the screen to the edge of the screen.

Uninstalling an app

1. Touch > to open the application list screen.
2. Touch and hold an application icon and drag the icon to **(Uninstall)** at the top of the screen.
3. Touch **OK** to uninstall the app.

NOTE:

The pre-installed apps may not be uninstalled.

Hiding apps

You can hide apps in the application list screen.

1. Touch > to open the application list screen.
2. Touch > **Hide app**.
3. Touch the apps you want to hide and touch .

NOTE:

Touch > > > **Hide app** to view all the hidden apps at the top. You can touch the hidden apps and touch to display them again in the application list screen.

Connecting to networks and devices

Connecting to mobile networks

Control mobile data use

To enable or disable data access:

1. Touch > > **Settings > Data usage**.
2. Touch the **Mobile data** switch to enable or disable mobile data use.

To get data services when roaming:

1. Touch > > **Settings > More > Mobile networks**.
2. Touch the **Data roaming** switch if it is turned off.

NOTE:

Data roaming may incur significant roaming charges.

Select preferred network type

1. Touch > > **Settings > More > Mobile networks**.
2. Touch **Preferred network type** and touch the type of network you prefer the phone to connect to.

Set access point names

To connect to the Internet you can use the default Access Point Names (APN). And if you want to add a new APN, please contact the service provider to get the necessary information.

1. Touch > > **Settings > More > Mobile networks**.
2. Touch **Access point names** and then touch .

3. Touch each item to enter the information you get from your service provider.
4. Touch ⋮ **> Save** to complete.

NOTE:

To set the APN to default settings, touch ⋮ **> Reset to default**.

Select network operator

1. Touch ● **>** ⋯ **> Settings > More > Mobile networks**.
2. Touch **Network operators**.
3. Touch **Search networks** to search for all available networks.
4. Touch a network in the network list to register manually.

   You can also touch **Choose automatically** to select preferred network automatically.

Connecting to Wi-Fi

Wi-Fi is a wireless networking technology that can provide Internet access at distances of up to 100 meters, depending on the Wi-Fi router and your surroundings.

Turn Wi-Fi on and connect to a Wi-Fi network

1. Touch ● **>** ⋯ **> Settings > Wi-Fi**.
2. Slide the **Wi-Fi** switch to the **On** position to turn on Wi-Fi.
3. Touch a network name to connect to it.
4. If the network is secured, enter the password and touch **CONNECT**.

NOTE:
Your phone automatically connects to previously used Wi-Fi networks when they are in range.

Get notified of open networks

1. Touch > > **Settings > Wi-Fi**.
2. Slide the **Wi-Fi** switch to the **On** position.
3. Touch .
4. Slide the **Network notification** switch.

When Wi-Fi is on, you receive notifications in the status bar when your phone detects an open Wi-Fi network. Switch off this option to turn off notifications.

Add a Wi-Fi network

You can add a Wi-Fi network if the network does not broadcast its name (SSID), or to add a Wi-Fi network when you are out of range.

To connect to a secured network, you first need to get the security details from the network's administrator.

1. Touch > > **Settings > Wi-Fi**.
2. Slide the **Wi-Fi** switch to the **On** position.
3. Touch **Add network** at the bottom of the Wi-Fi networks list.
4. Enter the network SSID (name). If necessary, enter security or other network configuration details.
5. Touch **SAVE**.

Connect to a WPS network

Wi-Fi Protected Setup (WPS) is a feature that makes it easy to add your phone to the access points which support WPS.

You can use one of the following methods to connect your phone to a wireless network using WPS.

Method one: WPS button (Recommended)

1. Touch > > **Settings > Wi-Fi**.
2. Slide the **Wi-Fi** switch to the **On** position.
3. Touch > **Advanced > WPS Push Button**.

4. Press the WPS button on the access point and the access point will recognise your phone and add it to the network.

Method two: PIN number

1. Touch > > **Settings > Wi-Fi**.
2. Slide the **Wi-Fi** switch to the **On** position.
3. Touch > **Advanced > WPS Pin Entry**.
4. The WPS PIN number displays on the screen. Enter the PIN number into the access point's setup page.

After entering the PIN number, your phone automatically finds the access point and configures the connection.

NOTE:

For detailed information about the WPS feature of the access point, please refer to its user documents.

Forget a Wi-Fi network

You can make your phone forget about the details of a Wi-Fi network that you added - for example, if you don't want the phone to connect to it automatically or if it is a network that you no longer use.

1. Touch > > **Settings > Wi-Fi**.
2. Slide the **Wi-Fi** switch to the **On** position.
3. Touch and touch **Saved networks**.
4. Touch the Wi-Fi network name and then touch **FORGET**.

Connect to another device via Wi-Fi Direct®

Wi-Fi Direct allows Wi-Fi devices to share files and data directly by connecting to each other without the need for wireless access points (hotspots).

1. Touch > > **Settings > Wi-Fi**.

2. If Wi-Fi is off, slide the **Wi-Fi** switch to the **On** position.
3. Touch > **Advanced** > **Wi-Fi Direct**. Your phone will search for other devices enabled with Wi-Fi Direct connections.
4. Touch a device name below **Peer devices** to connect with it.
   The other device will receive a connection prompt and need to accept the request for connection. Both devices may need to enter a common PIN.
5. Once connected the device is displayed as "Connected" in the **Peer devices** list.

Connecting to Bluetooth devices

Bluetooth is a short-range wireless communication technology. Phones or other devices with Bluetooth capabilities can exchange information wirelessly within a distance of about 10 metres (32.8 feet). The Bluetooth devices must be paired before the communication is performed.

Turn Bluetooth on/off

1. Touch > > **Settings** > **Bluetooth**.
2. Slide the **Bluetooth** switch to the **On** or **Off** position.

When Bluetooth is on, the icon appears in the status bar.

Change the device name

1. Touch > > **Settings** > **Bluetooth**.
2. Slide the **Bluetooth** switch to the **On** position if Bluetooth is off.
3. Touch > **Rename this device**.
4. Edit the name and touch **RENAME**.

Pair with another Bluetooth device

1. Touch > > **Settings > Bluetooth**.
2. Slide the **Bluetooth** switch to the **On** position if Bluetooth is off.

   Your phone automatically scans for and displays the IDs of all available Bluetooth devices in range. You could touch > **Refresh** if you want to scan again.
3. Touch the device you want to pair with.
4. Confirm that the Bluetooth passkeys are the same between the two devices and touch **PAIR**. Alternatively, enter a Bluetooth passkey and touch **PAIR**.

   Pairing is successfully completed when the other device accepts the connection or the same passkey is entered.

NOTE:

The Bluetooth passkey may be fixed for certain devices, such as headsets and hands-free car kits. You can try entering 0000 or 1234 (the most common passkeys), or refer to the documents for that device.

Forget (unpair with) a Bluetooth device

You can make your phone forget its pairing connection with another Bluetooth device. To connect to the device again, you need to search it and enter or confirm a passkey again.

1. Touch > > **Settings > Bluetooth** and ensure that Bluetooth is turned on.
2. In the list of paired devices, touch the icon beside the Bluetooth device you want to forget.
3. Touch **FORGET**.

Send data via Bluetooth

1. Open the appropriate application and select the file or item you want to share.

2. Select the option for sharing via Bluetooth. The method may vary by application and data type.
3. Touch a Bluetooth device the phone has paired with or wait for it to search for new devices and touch one of them.

Receive data via Bluetooth

1. Turn Bluetooth on before trying to receive data via Bluetooth.
2. Touch **ACCEPT** to start receiving the data. If necessary, flick down the status bar, touch **ACCEPT** on the Bluetooth sharing notification.

Received files are stored automatically in a dedicated folder (**bluetooth**, for instance) in the phone. You can access them with the **File Manager** app.

Exchanging data via NFC

Near Field Communication (NFC) allows your phone to exchange data with another NFC-enabled device when they touch each other or in close proximity.

Depending on the applications that you have installed on your phone, you might be able to use your phone as a transit pass or as an access pass. To use this feature, tap the back of your phone against an NFC-enabled access point, subject to applicable terms and conditions from the particular vendor.

To turn on and use NFC:

1. Touch **>** **> Settings > More**.
2. Slide the **NFC** switch to the on position.
3. If you want to share web pages, contact information, YouTube videos or other content on your phone to another NFC-capable device, touch **Android Beam** and slide the switch to the **On** position.

Using tap & pay

You can tap and pay with your phone at the merchants that accept contactless payments.

NOTE:

To use tap & pay, you need to install a nano-SIM card which supports NFC in your phone. For detailed information, please contact the service provider.

Set up tap & pay

To tap and pay, you must turn on NFC on your phone.

1. Touch > > **Settings > More**.
2. Slide the **NFC** switch to the on position.

Manage apps using tap & pay

If you have more than one app that lets you tap and pay, you can choose a default. Your default app is the one you'll automatically use when you tap and pay at a store. You can browse Google Play Store for more payment apps. Your payment apps need to support the tap and pay functionality in order to show up.

To set your default payment app:

1. Open the payment app and turn on tap and pay.
2. Touch > > **Settings > Tap & pay**.
3. Select your default payment app.

Turn off tap & pay

You can turn off tap and pay in two ways:

- Turn off NFC on your phone. Touch > > **Settings > More** and then slide the **NFC** switch to the off position. This also turns off Android Beam and other NFC features.

- Turn off the tap and pay functionality in your payment app. Not all payment apps support this option.

Connecting to your computer via USB

You can connect your phone to a computer with a USB cable and transfer music, pictures, and other files in both directions. Your phone stores these files in the phone storage or on a removable microSD card.

If you are using USB tethering, you must turn that off before you can use USB to transfer files between your phone and computer.

Connect your phone to a computer via USB

1. Connect your phone to the PC with a USB cable.
2. Open the notification panel and touch **(USB...)**.
3. Choose one of the following options:
   - **Charging this device:** Charge your phone via USB.
   - **Transfer files** (MTP)**:** Transfer files on Windows® or Mac®.

     NOTE:
     For Windows XP, please install Media Player 11 (or later version) when you use MTP.
   - **Transfer photos (PTP):** Transfer photos or files if MTP is not supported by your computer.

Disconnect your phone from the computer

To disconnect the phone from the computer, simply unplug the USB cable when you're finished.

Using the microSD card as portable or phone storage

You can use your microSD card as portable storage when there's already content such as your media and other files so that you don't lose them.

If your microSD card is new or doesn't have content you want to keep, you can also set it up as an extension of the phone storage, and this requires formatting that prevents the microSD card from working with other devices.

CAUTION:

As part of the phone storage, the microSD card may have data on it that is necessary for some apps to function normally. Therefore, do not remove or replace the card randomly.

Set up the microSD card as portable storage

When you install a microSD card that has not been used on your phone before, the phone will mount the card as portable storage by default.

You can also open the notification panel and touch the microSD card name, select **Use as portable storage** and then touch **NEXT > DONE**.

To remove the microSD card from your phone:

If you need to remove the microSD card used as portable storage while the phone is on, you must unmount it first.

1. Touch > > **Settings > Storage**.
2. Touch next to the card name in the **Portable storage** section.
3. When the screen prompts the card is safely ejected, you can now remove it from the phone.

To erase and format the microSD card:

1. Touch > **> Settings > Storage**.
2. Touch the card name in the **Portable storage** section.
3. Touch **> Storage settings** and then touch **Format**.
4. Touch **ERASE & FORMAT**.

CAUTION:

The formatting procedure erases all the data on the microSD card, after which the files CANNOT be retrieved.

Set up the microSD card as phone storage

If your microSD card is new or doesn't have content you want to keep, you can format the card and use it as part of the phone storage. If you move the microSD card to another device, it'll be formatted before it can be used.

1. Touch > **> Settings > Storage**.
2. Touch the card name in the **Portable storage** section.
3. Touch **> Storage settings** and then touch **Format as internal**.
4. Touch **ERASE & FORMAT**.

   CAUTION:

   The formatting procedure erases all the data on the microSD card, after which the files CANNOT be retrieved.
5. The phone will prompt you to move your photos, files and other data from the internal storage to the microSD card. Select **Move now** or **Move later** and touch **NEXT**. Follow the onscreen instructions to continue.

To move data between the internal storage and the microSD card:

With the microSD card as part of the phone storage, you can move your photos, files and other data between the internal storage and the card any time.

1. Touch > > **Settings > Storage**.
2. Touch **Internal shared storage** or the microSD card name.
3. Touch > **Migrate data**.
4. Touch **MOVE**.

NOTE:

Whenever you move data between the internal storage and the microSD card, the destination is used to save new apps and personal data (such as photos and videos) and only the destination is accessible from a computer.

To remove the microSD card from your phone:

If you need to remove the microSD card used as phone storage while the phone is on, you must unmount it first.

1. Touch > > **Settings > Storage**.
2. Touch your card name below **Internal shared storage**.
3. Touch > **Eject**.

   NOTE:

   Before ejecting the card, ensure that you have moved data and apps to the internal storage.
4. Touch **EJECT**.
5. When the screen prompts the card is safely ejected, you can now remove it from the phone.

To reformat the microSD card as portable storage:

If you no longer want to use your microSD card as phone storage, you can reformat the card as portable storage.

NOTE:

Before the formatting, ensure that you have moved data and apps to the internal storage.

1. Touch > **> Settings > Storage**.
2. Touch your card name below **Internal shared storage**.
3. Touch **> Format as portable**.
4. Touch **FORMAT**.

CAUTION:

The formatting procedure erases all the data on the microSD card, after which the files CANNOT be retrieved.

Sharing your mobile data connection

You can share your phone's data capabilities through tethering or by activating the Wi-Fi hotspot feature to create a mobile hotspot.

Share your mobile data connection via USB

You can access the Internet on your computer via the USB tethering feature of your phone. The feature needs data connection on a mobile network and may result in data charges.

NOTE:

You cannot transfer files between your phone and your computer when the phone is USB tethered.

1. Connect your phone to your computer with a USB cable.
2. Touch > **> Settings > More > Tethering & portable hotspot**.
3. Switch on **USB tethering**. A new network connection will be created on your computer.

NOTE:

To stop sharing your data connection, switch off **USB tethering** or disconnect the USB cable.

Share your mobile data connection via Bluetooth

If your computer can obtain an Internet connection via Bluetooth, you can configure your phone to share its mobile data connection with your computer.

1. Pair your phone with your computer via Bluetooth.
2. Configure your computer to obtain its network connection via Bluetooth. For more information, please see your computer's documentation.
3. Touch > > **Settings > More > Tethering & portable hotspot**.
4. Switch on **Bluetooth tethering**. Your computer is now sharing your phone's data connection.

NOTE:

To stop sharing your data connection, switch off **Bluetooth tethering**.

Share your mobile data connection as a Wi-Fi hotspot

You can share your phone's data connection with other devices by turning your phone into a portable Wi-Fi hotspot. The feature needs data connection on a mobile network and may result in data charges.

NOTE:

When the portable Wi-Fi hotspot feature is enabled, you cannot use your phone's Wi-Fi capability to access the Internet. You still remain connected to the Internet via your mobile data network.

1. Touch > > **Settings > More > Tethering & portable hotspot**.
2. Switch on **Portable Wi-Fi hotspot**.

   After a moment, the phone starts broadcasting its Wi-Fi network name (SSID).
3. On another device, locate your phone via Wi-Fi and connect with it to start using the phone's mobile data.

NOTE:

To stop sharing your data connection, switch off **Portable Wi-Fi hotspot**.

Set your Wi-Fi hotspot

You can change the name of your phone's Wi-Fi network (SSID), secure your portable Wi-Fi hotspot, and set other options.

1. Touch > > **Settings > More > Tethering & portable hotspot**.
2. Touch **Set up Wi-Fi hotspot** and set your name and security options as follows.
   - **Network name:** Enter or edit a network SSID (name) that other devices see when scanning for Wi-Fi networks.
   - **Security:** Choose a security option: **None** (not recommended) or **WPA2 PSK** (other users can access your Wi-Fi hotspot only if they enter the correct password). When you select **WPA2 PSK**, touch the **Password** field to edit the security password.
3. Touch **SAVE** to save your settings.

NOTE:

In the **Tethering & portable hotspot** screen, you can also turn on or off the hotspot notification and set the hotspot sleep policy.

Connecting to virtual private networks

Virtual private networks (VPNs) allow you to connect to the resources inside a secured local network. VPNs are commonly deployed by corporations, schools, and other institutions to let people access local network resources when not on campus, or when connected to a wireless network.

Depending on the type of VPN you are using, you may be required to enter your login credentials or install security certificates before you can connect to your VPN. You can get this information from your network administrator.

Add a VPN

1. Touch > > **Settings > More > VPN**.
2. Touch + at the top right corner and fill in the information provided by your network administrator.
3. Touch **SAVE**.

The VPN is added to the list on the VPN screen.

NOTE:
You must set a lock screen pattern, PIN or password before using VPN.

Connect to a VPN

1. Touch > > **Settings > More > VPN**.
2. Touch the VPN that you want to connect to.
3. When prompted, enter any requested credentials, and then touch **CONNECT**.

Modify a VPN

1. Touch > > **Settings > More > VPN**.
2. Touch beside the VPN that you want to modify.
3. Edit the VPN settings and then touch **SAVE**.

Phone calls

You can place calls from the Call+ app, the Contacts app, or other apps or widgets that display contact information. Wherever you see a phone number, you can usually touch it to dial.

Placing and ending calls

Place a call by dialling

1. Touch > .
2. Touch and enter the phone number or the contact name with the dialpad. Touch to delete incorrect digits.

   NOTE:
   As you enter the phone number or the contact name, your phone searches for matching information in your contacts. If you see the number and contact you want to call, touch it to place the call immediately.
3. Touch below the keypad to dial.

NOTE:
To make an international call, touch and hold the 0 key to enter the plus (+) symbol. Next, enter the country code, followed by the city/area code and then the phone number.

NOTE:
To redial the last call you made, just touch > > > and touch again.

End a call

During a call, touch on the screen.

Answering or rejecting calls

When you receive a phone call, the incoming call screen opens, displaying the caller ID or the information about the caller that you've entered in the Contacts app. You can answer or reject the call, or reject it with a text message.

Answer a call

When you receive a phone call, drag over to answer the call.

- or -

If the screen is unlocked, touch **ANSWER** to answer the call.

NOTE:
To silence the ringer before answering the call, press either end of the **Volume** key.

Reject a call

When you receive a phone call, drag over to reject the call.

You can also drag over to reject the call and select a preset text message or edit one to send to the caller.

- or -

If the screen is unlocked, touch **DISMISS** to reject the call.

NOTE:
To edit the preset text response from within the Call+ app, touch ⋮ and select **Settings > Phone > Quick responses**.

Working with the call history

The call history is a list of all the calls you've placed, received, or missed. It provides a convenient way to redial a number, return a call, or add a number to your contacts.

To open the call history, you can touch > > **CALLS** tab.

Place a call from the call history

1. Open the call history.
2. Touch a listing to call back.

Take other actions on a call history entry

Open the call history, you can do the following operations.

- Touch the contact icon in front of a listing to add the number to contacts or check the contact information.
- Touch next to a listing to check all calls with the number, send a message, share your location or photo before calling the number, add the contact to favourites, or touch to access more options.
- Touch and hold a listing to call the number, delete the record, or send a message.

NOTE:

Touch **> Clear call history** in the **CALLS** tab to delete all history records.

Calling your contacts

1. Touch > .
2. Touch the **CONTACTS** tab to view all your contacts, or touch the **FAVOURITES** tab to access favourite and frequently-used contacts.
3. Touch a contact to place the call.

Contacts

You can add contacts on your phone and synchronise them with the contacts in your Google account or other accounts that support contact syncing.

To see your contacts, touch > > . From there, you can touch the tabs on the top of the screen to quickly switch to favourite contacts.

Checking contact details

1. Touch > > and touch the **ALL** tab to access your contact list.
2. Scroll through the list to view all your contacts.
3. Touch a contact to view its details.

NOTE:

If you have a lot of contacts stored, you'll see a slider on the right side of the screen. Drag the slider to the initial letter you need.

Adding a new contact

1. Touch > > .
2. Touch to add a new contact.
3. Touch **Saving to** to choose where to save the contact. If a sync account is selected, the contacts will be synced automatically with your account online.
4. Enter the contact name, phone numbers, email addresses, and other information. Touch **More fields** if necessary.
5. Touch to save the contact.

Setting up your own profile

You can create your own name card in your phone.

1. Touch > > and touch the **ALL** tab.
2. Touch **Set up my profile**.
   If a profile has already been set up, touch the listing beside **ME** and touch .
3. Edit your profile information.
4. Touch .

Importing, exporting, and sharing contacts

You can import/export contacts from/to your nano-SIM card, the phone storage or the microSD card. This is especially useful when you need to transfer contacts between different devices. You can also quickly share contacts using Messaging, Bluetooth, Android Beam (NFC), Gmail, Google Drive, etc.

Import contacts from the nano-SIM card

1. Touch > > .
2. Touch **> Import/export > Import from SIM card**.
3. Select an account in which to save the contacts.
4. Check the contacts you need and then touch **Ok**.
5. Touch **OK** to confirm.

Import contacts from the phone storage or the microSD card

1. Touch > > .
2. Touch **> Import/export > Import from .vcf file**.
3. Select an account in which to save the contacts.

4. Touch the location where the imported vCard file(s) saved on the phone storage or microSD card and touch one to import contacts.

Export contacts to the nano-SIM card

1. Touch > > .
2. Touch **> Import/export > Export to SIM card**.
3. Check the contacts you need and then touch **Ok**.

Export contacts to the phone storage or the microSD card

1. Touch > > .
2. Touch **> Import/export > Export to .vcf file**.
3. Check the contacts you need and then touch **Ok**.
4. Touch location where you want to save the vCard file.
5. Edit the file name if needed and touch **SAVE** to create the file.

Share contacts

1. Touch > > and touch the **ALL** tab.
2. Touch and hold the contact you want to share.
3. Check more contacts if needed and then touch **> Share**.
4. Choose how to share the contacts. Options depend on the applications and services installed.

-or-

1. Touch > > **> Import/export > Share all contacts**.
2. Touch and hold the contact you want to share.
3. Check more contacts if needed and then touch **Ok**.
4. Choose how to share the contacts. Options depend on the applications and services installed.

Working with favourite contacts

In the favourite contacts tab, you can find your favourite contacts and frequently contacted contacts.

Add a contact to favourites

You can add the contacts you use frequently to **FAVOURITES** so that you can find them quickly.

1. Touch > > and touch the **ALL** tab.
2. Touch a contact and then touch at the top.

Remove a contact from favourites

1. Touch > > and touch the **FAVOURITES** tab.
2. Touch a favourite contact and then touch at the top.

Searching for a contact

1. Touch > > .
2. Touch at the top of the screen.
3. Input the contact name or any information the contact has to search for it. The contacts matched will be listed.

Editing contacts

Edit contact details

1. Touch > > .
2. Touch a contact you need to edit and then touch .
3. Edit the contact and touch .

Delete contacts

1. Touch > > and touch the **ALL** tab.
2. Touch and hold the contact you want to remove.
3. Check more contacts if needed and then touch > **Delete**.
4. Touch **OK** to confirm.

Link contacts

As your phone synchronises with multiple online accounts, you may see duplicate entries for the same contact. You can link all the separate information of a contact into one entry in the contacts list.

1. Touch > > > **ALL**.
2. Touch and hold a contact entry, and then check the contacts that you want to link.
3. Touch > **Link**.
4. Touch **LINK** to confirm. You can repeat these steps to link another contact.

NOTE:

You can also merge all duplicate contacts. Touch > **Merge contacts** from the Contacts screen, check the contacts you want to merge and touch . The merged contacts cannot be separated.

Web accounts

Adding or removing accounts

You can add multiple Google accounts and Microsoft Exchange ActiveSync® accounts. You may also add other kinds of accounts depending on the apps installed on your phone.

Add an account

1. Touch > **> Settings > Accounts > Add account**.
2. Touch the type of account you want to add.
3. Follow the onscreen steps to enter the information about the account. Most accounts require a username and password, but the details may vary. You may also need to obtain some information from IT support or your system administrator.

When the account is successfully added, it is displayed in the **Accounts** menu.

Remove an account

Removing an account will delete it and all information associated with it from your phone, such as emails and contacts.

1. Touch > **> Settings > Accounts**.
2. Touch the account category and then touch the account.
3. Touch **> Remove account > REMOVE ACCOUNT**.

Configuring account sync

Configure auto sync setting

1. Touch > **> Settings > Accounts**.
2. Touch and check or uncheck **Auto-sync data**.
   - When automatic sync is turned on, changes you make to information on your phone or on the web are automatically synced with each other.
   - When automatic sync is turned off, you need to sync manually to collect emails, updates, or other recent information.

Sync manually

1. Touch > **> Settings > Accounts**.
2. Touch the account category and then the account you want to sync.
3. Touch **> Sync now**. Or touch the types of information you want to sync.

Change an account's sync settings

1. Touch > **> Settings > Accounts**.
2. Touch the account category and then the account. The **Sync** screen appears, showing a list of information the account can sync.
3. When auto-sync is enabled, switch on or off items as you need. The types of information enabled on the phone and the web will be kept in auto-sync. When auto-sync is disabled, touch a listing to sync that type of information between the phone and the web.

Email

Touch in the home screen and select **Email**. Use it to receive and send emails from your webmail or other accounts, using POP3 or IMAP, or access your Exchange ActiveSync account for your corporate email needs.

Setting up the first email account

1. When you open **Email** for the first time, enter your email address and password.
2. Touch **NEXT** to let the phone retrieve the network parameters automatically.

   NOTE:

   Touch **MANUAL SETUP** if you want to enter these details manually or set up an Exchange ActiveSync account.
3. Follow the on-screen instructions to finish the setup.

Your phone will show the inbox of the email account and start to download email messages.

Checking your emails

Your phone can automatically check for new emails at the interval you set when setting up the account.

You can also check new emails manually by dragging down on the message list.

Responding to an email

You can reply to or forward a message that you receive. You can also delete messages and manage them in other ways.

Reply to or forward an email

1. Open the email you want to reply to or forward from the Inbox.
2. Do the following as you need:
   - ▶ To reply to the sender, touch .
   - ▶ To reply to the sender and all recipients of the original email, touch or **> Reply all**.
   - ▶ To forward the email to someone else, touch or **> Forward**.
3. Edit your message and touch .

Mark an email as unread

You can return a read email to the unread state - for example, to remind yourself to read it again later. You can also mark a batch of emails as unread.

- While reading a message, touch .
- While in a message list (for instance, the Inbox), touch the sender images beside the messages and then touch .

Delete an email

You can delete an email from its folder. You can also delete a batch of emails.

- While reading a message, touch .
- While in a message list (for instance, the Inbox), slide a message left or right to delete it, or touch the sender images beside the messages and then touch .

NOTE:

If you accidentally delete one, touch **Undo** to retrieve it.

Writing and sending an email

1. Open your email Inbox and touch .

   NOTE:

   If you have more than one email account added on the phone, touch the sender line to select the account you want to use for sending the message.

2. Enter a contact name or email address in the **To** field. Separate each recipient with a comma. You can also touch to add recipients from your contacts.

   NOTE:

   To send a carbon copy or blind carbon copy to other recipients, touch **> Add Cc/Bcc** to open the **Cc/Bcc** field and enter the contact names or email addresses.

3. Enter the email subject and compose the email text.
4. Touch **> Attach file** to add audio files, images, videos and other types of files as attachments.
5. Touch at the top right of the screen to send the message.

Adding and editing email accounts

Add an email account

After setting up your first email account (see Setting up the first email account), you can add more email accounts and manage them separately.

1. Open **Email** to get the Inbox screen.
2. Touch **> Settings > Add account**.
3. Follow the prompts to set up the account as you did with the first one.

Edit an email account

You can change a number of settings for an account, including how often you check for email, how you're notified of new mails, your email signature, and details about the servers the account uses to send and receive mails.

1. Open **Email** to get the Inbox screen.
2. Touch ☰ **> Settings** and touch the account whose settings you want to change.
3. Make the changes and touch ← when you finish.

Changing general email settings

General settings apply to all email accounts you add.

1. Open **Email** to get the Inbox screen.
2. Touch ☰ **> Settings > General settings**.
3. Make the changes and touch ← when you finish.

Message+

You can use Message+ to exchange text messages (SMS) and multimedia messages (MMS).

Opening the message+ screen

Touch > > **Message+**.

The **Message+** screen opens, where you can create a new message, search for messages, or open an ongoing message thread.

- Touch to create a new message or group chat.
- Touch to search for a message using keywords.
- Touch an existing message thread to open the conversation you've had with a certain number.

Sending a message

1. On the **Message+** screen, touch at the bottom right corner and select .
2. Add recipients by one of the following ways.
   - ▶ Touch the **To** field and manually enter the recipient's number or the contact name. If the phone presents a few suggestions, touch the one you want to add.
   - ▶ Select recipients from your contacts or most contacted numbers by touching .
3. Touch the **Type a message** field and enter the message text. Touch to add emoji to the text. If you want to send a multimedia message, keep the text field empty and touch to add a picture, audio, video or other type file to the message.
4. Touch .

Replying to a message

Messages you receive are appended to existing threads of the same number. If the new message comes from a new number, a new thread is created.

1. On the **Message+** screen, touch the thread that has the message you want to reply to.
2. Type your reply in the text box at the bottom or touch to add a picture, audio, video or other type file to the message.
3. Touch .

Forwarding a message

1. On the **Message+** screen, touch the thread that has the message you want to forward.
2. Touch and hold the message and then touch **Forward** in the menu that opens.
3. Enter a recipient for the message and edit the content if you want.
4. Touch .

Web browser

Use **Chrome** to view web pages and search for information.

Opening the browser

Touch > > **Chrome** to launch the web browser.

Chrome also opens when you touch a web link - for example, in an email or a text message.

To open a web page or search the web:

1. Open the **Chrome** app.
2. Touch the address box at the top of the web page.
3. Enter the address (URL) of a web page or enter terms you want to search for.
4. Touch a URL or search suggestion or touch enter key on the keyboard to open the web page or search results.

Using multiple browser tabs

You can open several web pages at the same time (one page in each tab) and switch between them freely.

To open a new browser tab:

Touch > **New tab**. A new browser tab opens.

To switch between tabs:

1. Touch the icon 2 at the top right of the screen. The number in the icon indicates the number of currently active browser windows.
2. Swipe vertically to scroll through the list of opened tabs.
3. Touch the thumbnail of the tab you want to open.

NOTE:
Swipe a thumbnail horizontally or touch its ✖ to close the tab.

Downloading files

1. Touch and hold an image or a link to a file or to another web page.
2. In the menu that opens, touch **Download image** or **Download link**.

The downloaded files are saved to your phone. You can view or open them in the **Downloads** app.

Changing Chrome settings

You can configure a number of settings to customise the way you browse the web, including several that you can use to control your privacy.

To open the Chrome settings screen, touch ⋮ **> Settings**.

Camera

You can use your phone to take photos and record videos. Photos and videos are stored on the microSD card you have installed or in the phone storage. You can copy them to your computer or access them in the **Photos** app.

Capturing a photo

1. Touch > > **Camera**.
2. Aim the camera at the subject and make any necessary adjustment. PHOTO (auto camera) is used by default.

Number	Function
1	Turn on or off the HDR feature, only available for the back camera.
2	Change the camera settings.
3	Switch to PHOTO mode.
4	Capture a picture.
5	View pictures and videos you have taken.
6	Switch to MANUAL, MULTI EXPOSURE, or TIME-LAPSE mode.
7	Select a color effect or other special effects.
8	Switch between the front and back cameras.
9	Switch to VIDEO mode.
10	Change the flash setting, only available for the back camera.
11	Set a time delay before the camera takes a picture automatically after you touch the shutter icon.

WARNING!

Keep a safe distance when using the flash. Do not point the flash towards the eyes of people or animals.

NOTE:

You can spread or pinch on the screen to zoom in or out before taking pictures.

3. Touch the area where you want the camera to focus, or leave the camera to autofocus on the centre of the image.
4. Lightly touch .

Recording a video

You can record normal-speed video clips. The back camera also allows you to record time lapse video.

1. Touch > > **Camera**.
2. Touch **VIDEO** if you want to capture a normal-speed video. To capture time lapse video, touch > **TIME-LAPSE**.
3. Aim the camera at the subject. You can touch any area on the screen that you want the camcorder to focus on before and during recording.

   NOTE:
   You can spread or pinch on the screen to zoom in or out before and during recording.
4. Start recording.

   - In **VIDEO** mode, touch to start recording a normal-speed video clip.
   - In **TIME-LAPSE** mode, touch to record a TIME-LAPSE video.

   NOTE:
   When you record a normal-speed or TIME-LAPSE video, touch to save the frame as a separate photo.
5. Stop recording.

   - In **VIDEO** mode, touch .
   - In **TIME-LAPSE** mode, touch .

Using manual camera mode

You can use manual camera mode to adjust more camera options for your photo such as ISO, white balance, exposure, etc.

1. Touch > > **Camera**.
2. Touch > **MANUAL**.

3. Aim the camera at the subject and you can make the following adjustments.

   - Drag the yellow square to any area on the screen where you want the camera to meter exposure so as to adjust the photo brightness. Touch and hold the square to lock exposure.
   - Touch to unfold the options, including ISO, overall exposure, white balance, and interval for time lapse pictures.

4. Touch the shutter icon to take the photo.

Music

The **Play Music** application works with Google Music, Google's online music store and streaming service. You can stream via mobile data or Wi-Fi and listen to your favourite songs that you've added to your online Google Music library. You can also play audio files you've copied directly to your phone from a computer.

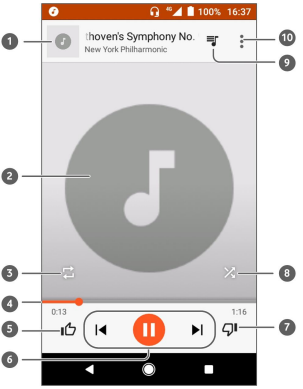
NOTE:
The availability of Google Music is dependent on your region. If it is not available, or you don't have a mobile data or Wi-Fi connection, you can only play music stored on your phone.

Playing your music

Touch the **Home** key **>** **> Play Music**. If you are prompted, select an account to access its online music library.

The app searches your online library and your phone for music and playlists before displaying your combined music library. You can touch **> Music library** to view all the music and playlists. To change views of your library, swipe left or right.

Touch a song to play it. When the song is playing, touch the summary information at the bottom to display the playback screen.



Number	Function
1	Song and artist information. Touch or drag down to return to the music library.
2	Album artwork (if available). Slide left/right to switch to the next/previous song in the playlist.
3	Toggle repeat mode. You can repeat the current track, repeat the current playlist, or turn off repeat.
4	Drag the progress bar to jump to any part of the song.
5	Give the song a thumbs-up.
6	Playback control. Skip songs, or pause and resume playback.
7	Give the song a thumbs-down.
8	Turn on or off shuffle.
9	Touch to see the current playlist (queue).
10	Get more options.

You can still control the music when you are not in the playback screen.

- In the music library of the **Play Music** app, touch the summary information at the bottom of the screen to restore the playback screen.
- In other apps, flick down the notification panel. Touch the song title to restore the playback screen, or just touch or play the previous or the next song. Touch to play the current song, and touch to pause.
- When the screen is locked, the song information, album cover as well as playback control is displayed on the screen. You can pause/resume playback or skip songs.

Managing playlists

Create playlists to organise your music files into sets of songs, so that you can play the songs you like in the order you prefer.

To create a playlist or add a song to a playlist:

- Touch next to a song and select **Add to playlist**. Touch the playlist to add the song.
- Touch next to a song and select **Add to playlist**. Touch **NEW PLAYLIST** to create a new playlist. Type name and description to edit the playlist, and touch **CREATE PLAYLIST**.

To remove a song from a playlist:

1. Touch **> Music library** in the **Play Music** app.
2. Touch **PLAYLISTS** tab, and touch a playlist.
3. Touch next to a song in the playlist.
4. Touch **Remove from playlist**.

To delete a playlist:

1. Touch **> Music library** in the **Play Music** app.
2. Touch **PLAYLISTS** tab.
3. Touch ⋮ next to the playlist you want to delete.
4. Touch **Delete > OK**.

NOTE:

Certain automatically created playlists such as **Thumbs up**, **Last added** cannot be deleted.

Settings

Touch > **> Settings**. The **Settings** app contains most of the tools for customising and configuring your phone.

At the top of the Settings screen, you can see setting suggestions. Touch to check or customize the recommended settings.

Wireless and networks

Wi-Fi

Touch > **> Settings > Wi-Fi**. You can turn Wi-Fi on or off, and configure your Wi-Fi connections. See Connecting to Wi-Fi.

When Wi-Fi is on, touch **> Advanced > Wi-Fi Direct** in the **Wi-Fi** menu to share data between two devices via Wi-Fi directly. See Using Wi-Fi Direct®.

Bluetooth

Touch > **> Settings > Bluetooth**. You can turn Bluetooth on or off and configure your Bluetooth connections. See Connecting to Bluetooth devices.

Data usage

Touch > **> Settings > Data usage** to check and manage mobile data use. You can view and restrict Wi-Fi data usage as well.

- Touch **Data saver** to enable Data saver which prevents apps from using data connection in the background. For an app you're currently using, it can access data, but may do so less frequently when Data Saver is enabled. You can also touch **Unrestricted data access** and allow some apps to always have access to data connection even when Data saver is turned on.

- Touch the **Mobile data** switch to turn on or off mobile data.
- Touch **Mobile data usage** to check how much data has been used during the time cycle you set, see what apps have been using mobile data, restrict background data for individual apps, or allow unrestricted data usage when Data saver is on for individual apps.
- Touch **Billing cycle** to set the reset date of the data usage cycle, and set mobile data warning and limit.
- Touch **Wi-Fi data usage** to view the Wi-Fi usage of apps.
- Touch **Network restrictions** to select Wi-Fi networks that are mobile hotspots. Apps may warn before using these networks for large downloads to avoid high mobile data bills.

NOTE:

The data usage is measured by your phone, and your carrier's data usage accounting may differ.

Flight mode

Touch > > **Settings > More** and slide the switch beside **Flight mode** to turn flight mode on or off. All the phone's radios that transmit voice or data are turned off when flight mode is on.

NFC and Android beam

Touch > > **Settings > More > NFC** to exchange data with another NFC-enabled device when they touch each other or in close proximity. Touch **Android Beam** and turn it on if you want to share web pages, contact information, YouTube videos or other content on your phone to another NFC-capable device. See Exchanging data via NFC.

Tethering and portable hotspot

Touch > **> Settings > More > Tethering & portable hotspot** to share your phone's mobile data connection with PCs or other devices via USB, Bluetooth or Wi-Fi. See Sharing your mobile data connection.

VPN

Touch > **> Settings > More > VPN** to set up and connect to virtual private networks. See Connecting to virtual private networks.

Mobile networks

Touch > **> Settings > More > Mobile networks** to control mobile data roaming, set network type, set access point names and select mobile network, etc. See Connecting to mobile networks.

Network settings reset

Touching > **> Settings > More > Network settings reset** to reset all the network settings, including Wi-Fi, mobile data, and Bluetooth settings.

Device

Display

Touch > **> Settings > Display** to configure the following options.

- **Favourite app panel:** When this feature is enabled, you can swipe right on the leftmost home screen to open the favourite app you set.
- **Favourite home screen app:** Select the app opened when swiping right on the leftmost home screen.
- **Lock home screen layout:** Turn on to prevent any home screen changes.

- **Navigation buttons:** Drag the navigation buttons at the bottom of the screen to rearrange them.
- **Lockscreen shortcuts:** Show shortcut icons on the lock screen. You can swipe from a shortcut icon at the bottom of the lock screen to open the related app or feature.
- **Edit lock screen shortcuts:** Touch a lock screen shortcut to change or remove it, or touch **Add shortcut** to add one.
- **Brightness level:** Set the brightness of the display.
- **Adaptive brightness:** Automatically adjust screen brightness.
- **Battery percentage:** Show or hide the battery percentage in the status bar.
- **Wallpaper:** Select a background image or animation for the home screen and the lock screen.
- **Sleep:** Set the length of time of inactivity before the screen turns off automatically.
- **Double tap to wake:** Double-tap on the screen to turn it on when the phone is in sleep mode.
- **Screen saver:** Manage the screen saver function. When it is enabled, clock, colours, news & weather, or photos will be displayed as a screensaver.
- **Pulse notification light:** Flash the indicator light to notify you of missed calls, new messages, and other events.
- **Font size:** Set the font size of the text on the screen.
- **Display size:** Adjust the display size of items including fonts, icons and images on the screen.
- **When device is rotated:** Select whether the screen contents should rotate when the phone is rotated.

Notifications

Touch > **> Settings > Notifications**. You can set different notification options for individual apps. Touch an app to block or mute its notifications, select its

notification content to display on the lock screen, or let its notifications override your Do No Disturb settings.

Sound

Touch > **> Settings > Sound**. You can adjust different types of volume, set Do not disturb options, set up ringtone and notification sound, set up alarm ringtone, configure emergency broadcasts, and select system sounds.

Apps

Touch > **> Settings > Apps** to see apps installed on your phone and manage them.

Touch an app to see its information. The following options may be available:

- **FORCE STOP:** Stop the app.
- **UNINSTALL:** Uninstall the app.
- **DISABLE/ENABLE**: Disable or enable the app.
- **Storage:** Check its storage information, clear its data or cache.
- **Data usage:** Check how much data has been used by the app during the time cycle you set and restrict background data for the app.
- **Permissions:** Check or change the app permissions.
- **Notifications:** Set the notification options for the app.
- **Open by default:** Check the app's supported links and set whether to open the links in the app, and clear the app's defaults.
- **Battery:** Check the battery use details of the app since last full charge.
- **Memory:** Check how much memory has been used by the app.

NOTE:

Not all options are available for the apps. Some apps may have more options.

Default apps

Touch > > **Settings > Default Apps** to set the following options.

- **Opening links:** Check the app's supported links and set whether to open the links in the app, and clear the app's defaults.
- **Assist & voice input:** Select the default app for voice assistant and input, and set the app's related options.
- **Home app/Browser app/Phone app/SMS app:** Select the default app for the launcher, web browsing, phone calling and messaging.
- **Special access:** Set special access options of apps.

Storage

Touch > > **Settings > Storage** to view the memory information of the internal phone storage and the microSD card.

You can choose the default location for new data, such as photos captured and voice recorded. Touch **Save location** and select **Phone** or **SD card** to store items in the phone storage or the installed microSD card.

Touch **Internal shared storage** to get a detailed breakdown of space usage by type. Touch a data type to see more information or delete the files you do not need, or touch **Explore** to view and manage all files in the storage.

For more information about using the internal storage and the microSD card, see Using the microSD card as portable or phone storage.

Power Manager

Touch > > **Settings > Power Manager** to do the management on power. You can view the battery level, check what has been using the battery, choose a suitable power plan and optimise battery use, and more.

Memory

Touch > > **Settings > Memory** to monitor the average memory use and performance of your phone. You can also check which apps use the most memory.

Users

Touch > > **Settings > Users** to manage the user accounts of your phone.

You can share your phone with other people by creating additional user accounts. Each user with a separate account has his/her own storage space, wallpaper, screen lock and so on. Users can also adjust device settings like Wi-Fi that affect everyone and update apps for all other users.

By default, a Guest account is available for anyone who needs to use your phone temporarily. You can touch **Add user** to create more user accounts.

You can touch **Emergency information** to enter your emergency information and contacts. The information you enter can help the first-response team in an emergency. Anyone can read it from the emergency dialler without unlocking your phone.

NOTES:

- Touch next to an account to configure its options.
- When a guest user has finished using your phone, he/she can touch **Remove guest** in the **Users** menu to delete all his/her data from your phone.

Tap and pay

Touch > **> Settings > Tap & pay**. You can tap and pay with your phone at the merchants that accept contactless payments. A nano-SIM card which supports NFC is needed. See Using tap & pay.

Personal

Location

Touch > **> Settings > Location** to manage location services, which help your phone and apps determine your location. To use location-related applications, such as finding your location on Google Maps, you must have location services enabled on your phone.

1. Slide the switch at the top right to turn location services on or off.
2. When location is enabled, touch **Mode** to select location sources you want to use. To get your accurate location, choose **High accuracy**. To save battery power and get approximate location, choose **Battery saving**. To use only GPS to pinpoint your location, choose **Device only**.

Security

Touch > **> Settings > Security** to configure options that help keep your phone and data safe.

- **Screen lock:** Disable the screen lock or enable it with swipe, pattern, PIN, or password.

  Touch beside **Screen lock** to set the following options.

  - **Make pattern visible:** Show the pattern as you draw it. This option is available when unlock pattern is set.
  - **Automatically lock:** Set the time needed for the lock protection to be activated after the screen

turns off. This option is available when unlock pattern, PIN or password is set.

- **Power button instantly locks:** Lock protection is activated immediately when you press the **Power** key. This option is available when unlock pattern, PIN or password is set.
- **Lock screen message:** Set the text that you may display on the lock screen.

- **Smart Lock:** Keep the phone unlocked when it's safe with you. Smart Lock can do this by recognising signals like when your device is in your pocket or near your home. Touch > > **Settings > Security > Smart Lock > On body detection** and slide on the switch.
- **Encrypt phone:** Touch > > **Settings > Security > Encrypt phone** to encrypt your accounts, settings, downloaded apps and their data, media and other files.
- **Set up SIM card lock:**
  - **Lock SIM card:** Activate or deactivate the PIN lock to require PIN before accessing the nano-SIM card.
  - **Change SIM PIN:** Change the PIN used to access the nano-SIM card.

NOTE:

Put all your confidential passwords in a safe place for future use. If you enter the wrong SIM PIN more times than allowed, your nano-SIM card will be locked and you cannot access the mobile phone network. Contact your operator for a PIN Unlock Key (PUK) to restore the nano-SIM card.

- **Make passwords visible:** Display passwords as you enter them.
- **Device administrators:** View or deactivate apps you have authorised to be device administrators.
- **Unknown sources:** Check this option to permit installation of apps from sources other than the Play

Store.

- **Storage type:** Check the credential storage type.
- **Trusted credentials:** Display trusted CA certificates.
- **User credentials:** View and modify stored credentials.
- **Install from SD card:** Install certificates from the internal storage or the microSD card.
- **Clear credentials:** Delete all certificates.
- **Trust agents:** View or deactivate trust agents.
- **Screen-pinning:** Keep a screen of your choice in view, so that others cannot switch to other apps and access your personal information. Touch this option to see how it works.
- **Apps with usage access:** Turn on or off some apps' access to your phone usage information.

App permissions

Touch **>** **> Settings > App permissions** to check what apps have been allowed to access certain permissions. You can also change the app permissions.

WARNING!

Changing the app permissions may result in the app not working correctly or as originally intended.

Accounts

Touch **>** **> Settings > Accounts** to manage your web accounts and synchronisation. Touch **Add account** to sign in to or create accounts on your phone.

Touch an account type to see that type of accounts you have added and adjust the accounts settings.

Google

Touch **>** **> Settings > Google** to easily manage settings for Google apps and features. You can set the

options for Google account and services.

Languages & input

Touch > **> Settings > Languages & input** to configure options related to system language, input methods, speech input and output as well as mouse/trackpad input.

- **Languages:** Select a language for your system.
- **Spell checker:** Use Google Spell Checker to check for spelling errors when entering text.
- **Personal dictionary:** Add new words to the phone's dictionary or remove words from the dictionary. The words you add are used for spelling check and word suggestion.
- **Keyboard & input methods:** Configure text input settings. See Input method settings. You can also set related options when a physical keyboard is connected to your phone.
- **Virtual keyboard:** Configure virtual keyboard settings.
- **Physical keyboard:** Configure physical keyboard settings. You can keep the virtual keyboard on screen while physical keyboard is active.
- **Text-to-speech output:** Select the speech synthesis engine or change its settings, set speech rate and pinch, play a brief sample of the speech synthesizer, and check whether the text-to-speech output feature supports the current system language.
- **Pointer speed:** Select how fast the pointer/mouse should scroll when you connect the phone to a trackpad or mouse accessory.

Backup and reset

Touch > **> Settings > Backup & reset** to manage data backup and restoration options, and to reset the network setting or the phone to factory status.

- **Back up my data:** Back up app data, Wi-Fi passwords,

and other settings to Google servers after you sign in to your Google account.

- **Backup account:** Set the Google account that the data is backed up to.
- **Automatic restore:** Restore previously backed up settings and data when you reinstall an app.
- **Factory data reset:** Reset your phone to factory default settings. All your data in the internal storage will be erased during the process.

System

Date & time

Touch > > **Settings > Date & time** to set date, time, time zone, and the time format. You can also use network-provided data.

Scheduled power on and off

Touch > > **Settings > Scheduled power on and off** to set the day and time when the phone automatically powers on or off. You can also touch the switches on the right to turn the features on or off.

Accessibility

Touch > > **Settings > Accessibility** to configure accessibility plug-ins and services on your phone, such as using **Colour inversion** or **Display size** for users with sight problems.

Printing

Touch > > **Settings > Printing** to manage Google Cloud Print service or other printer plug-ins installed from the Google Play Store or your printer manufacturer.

About phone

Touch > **> Settings > About phone** to view important phone information and legal information. You can also touch **Software updates** to check for system updates and install them when they become available.

Troubleshooting

If you encounter problems while using the phone, or if it performs abnormally, you can refer to the chart below. If your particular problem cannot be resolved using the information in the chart, contact the dealer where you purchased the phone.

Problem	Possible causes	Possible solution
Poor reception	The network signal is too weak at your current location, for example, in a basement or near a tall building, because wireless transmissions cannot effectively reach it.	Move to a location where the network signal can be properly received.
	The network is busy at the current time (for example, during peak times, there may be too much network traffic to handle additional calls).	Avoid using the phone at such times, or try again after waiting a short time.
	You are too far away from a base station for your service provider.	You can request a service area map from your service provider.

Problem	Possible causes	Possible solution
Echo or noise	The network link quality is poor on the part of your service provider.	End the call and dial again. You may be switched to a better-quality network link or phone line.
	The quality of the phone line that you are calling is poor.	End the call and dial again. You may be switched to a better-quality network link or phone line.
Unable to select certain features	Your service provider does not support these features, or you have not applied for services that provide these features.	Contact your service provider.
Cannot charge the battery	The battery or battery charger is damaged.	Contact the dealer.
	The phone's temperature is below 0 °C or higher than 45 °C.	Adjust the battery charging environment to avoid extremes of temperature.
	The contact between the charging jack and charger is poor.	Check all connectors to ensure that all connections have been properly made.

Problem	Possible causes	Possible solution
Shortened standby time	The standby time is related to your service provider system configuration. The same phone used with different service providers' systems will not provide exactly the same length of standby time.	If you are located in an area where signalling is weak, temporarily power off the phone.
	The battery is depleted. In high temperature environments, battery life will be shortened.	Contact the dealer to change a new battery.
	If you are not able to connect to the network, the phone will continue to send out signals as it attempts to locate a base station. Doing so consumes battery power and will consequently shorten standby time.	Change your location to one where the network is accessible, or temporarily turn off your phone.
Cannot turn your phone on	Battery power has been depleted.	Recharge the phone's battery.
nano-SIM card error	The nano-SIM card malfunctions or is damaged.	Take the nano-SIM card to your service provider for testing.

Problem	Possible causes	Possible solution
	The nano-SIM card is inserted improperly.	Insert the nano-SIM card properly.
	There is debris on the nano-SIM card contacts.	Use a soft, dry cloth to clean the nano-SIM card contacts.
Unable to connect to the network	The nano-SIM card is invalid.	Contact your service provider.
	You are not within the network's service area.	Check the service area with your service provider.
	The signal is poor.	Move to an open space, or if you are inside a building, move closer to a window.
Cannot answer incoming calls	You have activated the **Call barring** feature.	Disable this feature.
Cannot make outgoing calls	You have activated the **Call barring** feature.	Disable this feature.
	You have activated the **Fixed dialling numbers** feature.	Disable this feature.

Problem	Possible causes	Possible solution
PIN Code blocked	You have entered an incorrect PIN code three consecutive times.	Contact your service provider. If the service provider provides the nano-SIM card's PUK code, use the PUK code to unlock the nano-SIM card.
Phone crashes, reboots, freeze, or cannot be powered on	Some third-party software is not compatible with your phone.	Uninstall the software that may cause the problem.
		Upgrade the phone software.
		Reset the phone to factory status.

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