

User manual

Smart first 7



VFD 200

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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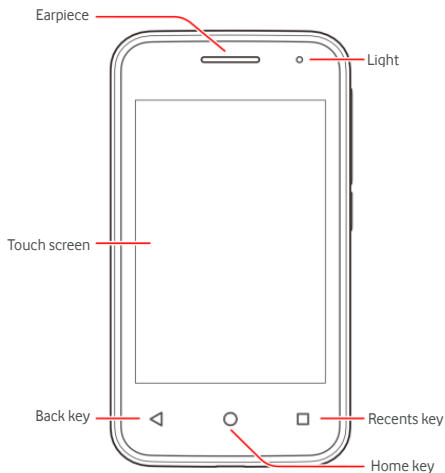
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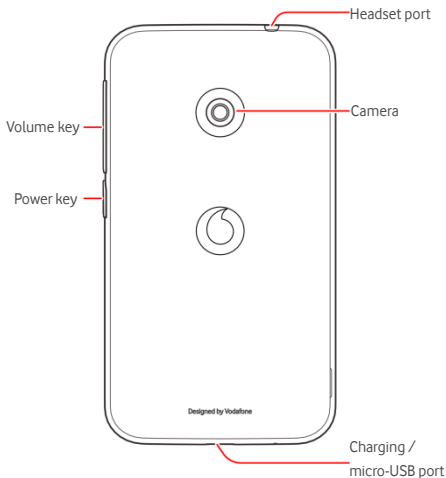
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1. Getting started

1.1 Getting to know your phone





1.2 Knowing the keys

Key	Function
Power key	• Press and hold to power on, select phone modes, turn on/off flight mode, restart or power off. • Press to turn off or on the screen display.
Home key	• Touch to return to the home screen from any application or screen. • Touch and hold to get Google Search.

Key	Function
Recents key	Touch to see recently used apps.
Back key	Touch to go to the previous screen.
Volume key	Press or hold either end to turn the volume up or down.

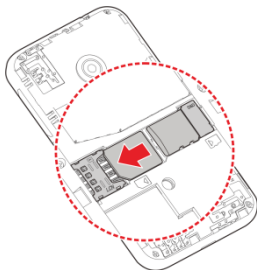
1.3 Installing your micro-SIM card and the Battery

Switch off your phone before installing or replacing the battery or the micro-SIM card. You can install the micro-SIM cards into the slots.

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



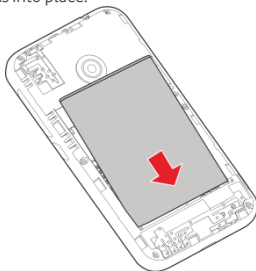
2. Hold the micro-SIM card with the cut corner oriented as shown and slip them into the card holders.



WARNING!

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

3. Insert the battery by aligning the metal contacts in the battery compartment. Gently push down on the battery until it clicks into place.

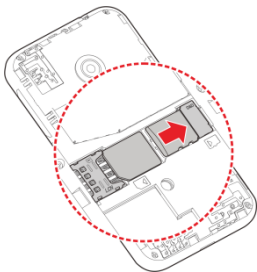


4. Align the back cover with the back of the phone and press the cover back into place.

1.4 Installing an optional microSD™ Card

An optional microSD card can be installed. Unmount the microSD card before removing it (see [Erase and format the microSD card](#)).

1. Remove the back cover and the battery.
2. Hold your microSD card with the metal contacts facing down and slide it in.



3. Replace the back cover.

1.5 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. As you charge your phone, the screen will tell you the exact battery level on the lock screen. See [Locking/unlocking the screen and keys](#).



WARNING!

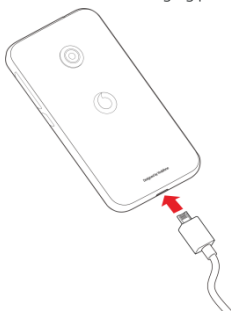
Use only approved chargers and cables for your phone. Connecting with incompatible accessories could physically damage your phone, or lead to excessive electrical current and cause battery explosion. The working temperature of the charger should be lower than 45°C.



CAUTION:

Do not change the built-in rechargeable battery in your phone by yourself. If your battery needs to be replaced, please contact your service provider.

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



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 screen indicates that the battery is fully charged.



NOTE:

If the battery is seriously depleted, 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 customer service if you still cannot power on the phone after prolonged charging.

1.6 Extending the battery life

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

- Enable the Battery saver. See [Battery](#) for details.
- Reduce the screen backlight time.
- Lower the screen brightness.
- Turn auto-sync, Wi-Fi, and Bluetooth off when not in use.
- Disable the GPS function when not in use. Most applications using this function will periodically check the GPS satellites for your current location; each check drains your battery.

1.7 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. Touch **Shut down**.



NOTE:

If the phone freezes or takes too long to respond, you can press and hold the Power key for about 16 seconds to power the phone off, and then turn it on again.

1.8 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 & reset](#)), you need to finish some basic settings before using it.

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



NOTE:

To help you get used to some of the great new features, your phone can display Help Tips on certain screens when you first encounter these interfaces. You can turn off or on Help Tips during set up, or touch  to close a tip.

1.9 Locking/unlocking the screen and keys

Your phone allows you to quickly lock the screen and keys (put the phone into 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 (see "Sleep" in [Display](#)). 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.
2. Touch the screen and swipe up.

- or -

Touch the Phone icon at the bottom left and swipe right to open the Phone app.

- or -

Touch the Camera icon at the bottom right and swipe left to open the Camera app.



NOTE:

If you have set an unlock pattern, PIN or password for your phone (see [Protecting your phone with screen locks](#)), you'll need to draw the pattern or enter the PIN/password to unlock your screen.

1.10 Using the touch screen

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

- **Touch**

When you want to type using the onscreen keyboard, select onscreen items such as application and settings icons, or press 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**

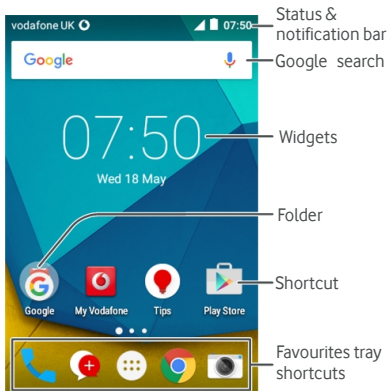
To drag, press and hold your finger with some pressure before you start to move your finger. While dragging, do not release your finger until you have reached the target position.

- **Pinch**

In some apps (such as Maps, Chrome, and Gallery), 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).

1.11 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 Screens

Your home screen is extendable, providing more space for shortcuts, folders, widgets, and more. Simply swipe left or right on the screen to see the extended panels.

See [Managing shortcuts and widgets](#) for more information on how to add or remove additional home screen panels.



NOTE:

In addition to the standard home screen above, you can also use the simple home screen. See [Home](#).

2. Personalising

2.1 Changing the system language

1. Touch the **Home** key >  > **Settings** > **Language & input** > **Language**.
2. Select the language you need.

2.2 Setting the date and time

1. Touch the **Home** key >  > **Settings** > **Date & time**.
2. Uncheck **Automatic date & time** and **Automatic time zone** if you want to set the date, time and time zone by yourself.
3. Set the date, time, time zone, and date/time format.

2.3 Changing ringtone and notification sound

You can customise the default incoming call ringtone and the default notification sound.

1. Touch the **Home** key >  > **Settings** > **Sound & notification**.
2. Touch **Default notification ringtone** or **Phone ringtone**.
3. Scroll through the ringtone list and select the ringtone you want to use. You can touch **more ringtones** to select songs and voice memos from the storage.
4. Touch **OK**.



NOTE:

See [Set a ringtone for a contact](#) for how to assign a special ringtone to an individual contact.

2.4 Turning on/off touch sound

1. Touch the **Home** key >  > **Settings > Sound & notification > Other sounds.**
2. Touch **Touch sounds.**

2.5 Adjusting volume

1. Touch the **Home** key >  > **Settings > Sound & notification.**
2. Drag the sliders below **Media volume, Alarm volume, Ring volume** to adjust the volume for each type of audio.



NOTE:

You can adjust the media volume when a media application is in use by pressing the Volume Key. If no media application is active, press the Volume Key to adjust ringtone volume (or the earpiece volume during a call).

2.6 Switching to silent or vibration mode

You can set the phone to silent or vibration mode by using one of the following methods.

- Press and hold the **Power** key and then touch  to enable silent mode, touch  to enable silent mode with vibration, or touch  to disable silent mode.
- Press the **Volume** key when no media application is active to show the ringtone sound management window. Touch **ALL** and drag the slider to the left to switch the phone to silent mode with vibration. Touch **NONE** to switch the phone to silent mode.

- Touch the **Home** key >  > **Settings > Sound & notification > Interruptions > When calls and notifications arrive**, and touch **Don't interrupt** to switch the phone to silent mode.



NOTE:

In addition to silent mode and vibration, you can also allow priority apps to send out notifications when you switch the phone to priority interruption mode.

2.7 Applying new wallpapers

You can set the wallpaper for the home screen.

1. Touch the **Home** key.
2. Touch and hold an empty area of the home screen.
3. In the window that appears at the bottom, touch **WALLPAPERS** to pick an image as the wallpaper.



NOTE:

In addition, you can touch the **Home** key >  > **Settings > Display > Wallpaper** to pick an image from **Gallery, Photos, Wallpapers**, or an animation from **Live Wallpapers**.

2.8 Changing screen brightness

1. Touch the **Home** key >  > **Settings > Display > Brightness level**.
2. Drag the slider to manually adjust the screen brightness.

2.9 Protecting your phone with screen locks

You can protect your phone by creating a screen lock. When it is enabled, you need to swipe the screen, draw a pattern or enter a numeric PIN or a password to unlock the phone's screen and keys.

1. Touch the **Home** key >  > **Settings** > **Security** > **Screen lock**.
2. Touch **None**, **Swipe**, **Pattern**, **PIN** or **Password**.
 - ▶ Touch **None** to disable the screen lock.
 - ▶ Touch **Swipe** to enable screen lock and allow unlocking with a 'swipe' gesture. You can unlock the screen by touching the display and swiping up.
 - ▶ Touch **Pattern** to draw and redraw a pattern that you must draw to unlock the screen.
 - ▶ Touch **PIN** or **Password** to set a numeric PIN or a password that you must enter to unlock the screen.
3. For Pattern, PIN, or Password lock, select how you want notifications and their contents to show when the phone is locked. Then touch **DONE**.

If you fail to draw the correct pattern on the screen after five attempts, you will be prompted to wait for 30 seconds before you can try again. If you still cannot recall the unlock pattern, you can touch **Forget pattern?** and enter your Google account user name and password. The phone will then connect to the Internet to verify your account and prompt you to reset the screen lock.



NOTE:

You must sign in or create a Google account on your phone before using the above method to reset the screen lock. Otherwise, contact customer service of your phone dealer to upgrade the phone software. Doing so will erase all your personal data on the phone.

2.10 Protecting your phone with encryption

You can encrypt all the data on your phone: your accounts, application data, music and other media, downloaded information, and so on. If you do, you must draw a pattern or enter a numeric PIN or a password each time you power on your phone.

WARNING!

Encryption is irreversible. The only way to revert to an unencrypted phone is to perform a factory data reset which erases all your data.

Encryption provides additional protection in case your phone is stolen and may be required or recommended in some organisations. Consult the IT administrator of your organisation before turning it on. In many cases the PIN or password you set for encryption is controlled by the IT administrator.

Before turning on encryption, prepare as follows:

- Set a lock screen pattern, PIN, or password.
- Charge the battery.
- Keep the phone connected to the charger.
- Schedule an hour or more for the encryption process. You must not interrupt it or you will lose some or all of your data.

When you're ready to turn on encryption:

1. Touch the **Home** key >  > **Settings** > **Security** > **Encrypt phone**.
2. Touch **ENCRYPT PHONE**.

The **ENCRYPT PHONE** button is dimmed if your battery is not charged or your phone is not plugged in.

If you change your mind about encrypting your phone, touch the Back Key.



WARNING!

If you interrupt the encryption process, you will lose data.
Read the information about encryption carefully.

3. Draw the lock screen pattern, or enter your lock screen PIN or password and touch **NEXT**.
4. Touch **ENCRYPT PHONE**.

The encryption process starts and displays its progress.
Encryption can take an hour or more, during which time your phone may restart several times.

When encryption is completed, you're prompted to draw the pattern or enter your PIN or password.

Subsequently you must draw the pattern, enter your PIN or password each time you power on your phone in order to decrypt it.

3. Knowing the basics

3.1 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 the most common icons you may see.

	GPRS connected		Battery low
	EDGE connected		Battery full
	3G connected		Battery charging
	HSPA+ connected		No interruptions mode
	HSDPA/HSUPA/HSPA connected		Vibration mode
	Flight mode		Priority mode
	No signal		Bluetooth on
	Signal strength		Bluetooth connected
	Alarm set		Connected to a Wi-Fi® network
	GPS on		

3.2 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 message		microSD card unmounted
	New email		Upcoming event
	New Gmail message		Incoming file via Bluetooth
	Missed call		New Wi-Fi network detected
	Call in progress		Downloading data
	Call on hold		Sending data
	Song is playing		USB tethering is on
	Wired headset connected		Portable Wi-Fi hotspot or Wi-Fi direct is on

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've configured your phone as a Wi-Fi hotspot. 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 the **Back** key.

Respond to or remove a notification

In the notification panel, you can respond to a notification or remove the notifications. The notification panel also supports expandable notifications that let you perform additional actions right from the notification itself.

- To respond to a notification, just touch it. (Not available in lock screen)
- To remove a notification, swipe it left or right.
- Slide down with one finger to expand certain notifications. You can also swipe two fingers vertically or pinch-zoom to expand or collapse certain notifications.
- To remove all notifications, touch  below all the notifications.
- To manage notifications you have received, touch and hold a notification to identify the application that created it. You can then touch  and select **Block** to hide future notifications from this app, or touch **Priority** to show them in priority mode.



NOTE:

If you turn off notifications for an app, you may miss its important alerts and updates. The notifications of some apps cannot be turned off.

Use quick settings

The Quick Settings make it convenient to view or change the most common settings for your phone.

Open the notification panel by dragging the panel downwards to find the following Quick Settings on the screen.

- **Brightness:** Drag the brightness slider to adjust the screen brightness.
- **Wi-Fi:** Touch the icon to turn on or off Wi-Fi.
- **Bluetooth:** Touch the icon to turn on or off Bluetooth.
- **Flight mode:** Touch to turn on or off the flight mode.
- **Location:** Touch to turn on or off the GPS function.
- **Battery saver:** Touch to turn on or off the battery saver.



NOTE:

- Additional Quick Setting buttons may appear after you use at least once the functions they control.
- In the Quick Settings screen, touch  at the top to get to the **Settings** menu; touch the battery icon to open the battery settings screen.

3.3 Managing shortcuts and widgets

Add shortcuts and widgets

1. Touch the **Home** key.
2. To add a widget, touch and hold an empty area of the home screen and select **WIDGETS**. The Widgets panel appears.

To add an application shortcut, touch .

3. Slide left or right to view all available widgets or applications. Touch and hold a widget or an application icon and drag it to a home screen panel.

Move shortcuts or widgets

1. Touch and hold a widget or shortcut on the home screen.
2. Drag it to the place you need.

Remove shortcuts or widgets

1. Touch and hold a widget or shortcut on the home screen.
2. Drag it to  **Remove** to remove it.

Adjust widget size

1. Touch and hold a widget on the home screen and then release it.
2. An outline appears around the widget. Drag the outline to resize the widget.



NOTE:

Not all widgets can be resized.

3.4 Organising with folders

You can create folders on a home screen and put several icons in a folder.

Create a folder

1. Touch and hold a shortcut on the home screen.
2. Drag the shortcut icon over another and release your finger. A new folder is created and both shortcuts are added into the folder.

Rename a folder

1. Touch a folder to open it. The old folder name is displayed above the icons.
2. Touch the folder name and enter a new name.
3. Touch **OK**.

Add more icons to a folder

1. Touch and hold an icon and then drag it onto a folder icon.
2. Release the icon and it will be put into the folder.
3. If needed, drag more shortcuts and drop them into the folder.

Remove icons from a folder

1. Touch a folder to open it.
2. Touch and hold the icon you want to remove and then drag it to the home screen.
3. Release the icon and it will be removed from the folder.

3.5 Rearranging the primary icons

The home screen includes a customisable primary icons area at the bottom visible from all home screen panels. You can keep at most five items in the area. Drag icons or folders in or out of the area to rearrange it.



3.6 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 the Cut  or Copy  button to cut or copy the text to the clipboard.
- **Replace text with the clipboard text:** Select the text you want to replace. Then touch  or **PASTE**.

3.7 Opening and switching apps

Open an app

1. Touch the **Home** key > .
2. Slide left or right and touch an app to open it.

Switch between recently opened apps

1. Touch the **Recents** key. 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 to remove it from the screen.

4. Connecting to networks and devices

4.1 Connecting to mobile networks

To connect to a mobile network, you must insert a micro-SIM card first. Once a micro-SIM card is inserted, the system will automatically select the preferred network and you do not need to do anything.

Select network operator

1. Touch the **Home** key >  > **Settings** > **More** > **Mobile networks**.
2. Touch **Network operators** to search for all available networks.
3. Touch a network in the network list to register manually.
4. You can also touch **Choose automatically** to select preferred network automatically.



NOTE:

Some networks cannot be selected as they are forbidden. Contact the network operator for further details.

Control mobile data use

You can use or disable the mobile data service of the micro-SIM card.

To enable or disable data access:

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

To get data services when roaming:

1. Touch the **Home** key >  > **Settings** > **More** > **Mobile networks**.
2. Touch the **Data roaming** switch.



WARNING!

Data roaming may incur significant roaming charges.

Select preferred network type

Set the preferred type of network for the micro-SIM card.

1. Touch the **Home** key >  > **Settings** > **More** > **Mobile networks**.
2. Touch **Preferred network type** and select the network type you would prefer the phone to connect with.

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 the **Home** key >  > **Settings** > **More** > **Mobile networks**.
2. Touch **Access point names** >  > **New APN**.
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**.

4.2 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 the **Home** key >  > **Settings** > **Wi-Fi**.
2. Touch the Wi-Fi switch 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. You can check these networks by touching  > **Saved networks** in the Wi-Fi menu. If you don't want automatic connection, touch a network and select **FORGET**.

Get notified of open networks

1. Touch the **Home** key >  > **Settings** > **Wi-Fi**.
2. Touch the Wi-Fi switch to turn on Wi-Fi.
3. Touch  > **Advanced**.
4. Touch 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 the 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 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 the **Home** key >  > **Settings** > **Wi-Fi**.
2. Touch the Wi-Fi switch to turn on Wi-Fi.
3. Touch  > **Add network**.
4. Enter the network SSID (name). If necessary, enter security or other network configuration details.
5. Touch **SAVE**.

Adjust advanced Wi-Fi settings

1. Touch the **Home** key >  > **Settings** > **Wi-Fi**.
2. Touch  > **Advanced** to adjust the following settings.
 - ▶ **Network notification:** Get notifications in the status bar when Wi-Fi is on and an open network is available.
 - ▶ **Scanning always available:** Let Google's location service and other apps scan for networks even when Wi-Fi is off.
 - ▶ **Keep Wi-Fi on during sleep:** Set whether to keep Wi-Fi on in sleep mode.
 - ▶ **Install certificates:** Install certificates needed for connecting to certain Wi-Fi networks. Consult the administrator for the certificate files and how to install them.
 - ▶ **Wi-Fi Direct:** Use the Wi-Fi Direct feature. See [4.3 Using Wi-Fi Direct](#).

- ▶ **WPS Push Button:** Connect to a WPS network via the push button method.
- ▶ **WPS Pin Entry:** Connect to a WPS network via the phone PIN method.
- ▶ **MAC address:** Check the MAC (Media Access Control) address of your phone. It is a unique identifier assigned to your phone as a network address in a Wi-Fi network.
- ▶ **IP address:** Check the phone's IP (Internet Protocol) address. It is a numerical label assigned to each device in a computer network that uses the Internet Protocol for communication.

Connect to a WPS network

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

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

Method 1: WPS button

1. Touch the **Home** key >  > **Settings** > **Wi-Fi**.
2. Touch the Wi-Fi switch to turn on Wi-Fi.
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 2: PIN number

1. Touch the **Home** key >  > **Settings** > **Wi-Fi**.
2. Touch the Wi-Fi switch to turn on Wi-Fi.
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 documentation.

4.3 Using 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).



NOTE:

Activating this feature will disconnect your current Wi-Fi network connection.

1. Touch the **Home** key >  > **Settings** > **Wi-Fi**.
2. Touch  > **Advanced** > **Wi-Fi Direct**. Your phone will search for other devices enabled with Wi-Fi Direct connections.
3. 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. Both devices may need to enter a common PIN.
4. Once connected the device is displayed as "Connected" in the Wi-Fi Direct screen.

4.4 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 meters (32.8 feet). The Bluetooth devices must be paired before the communication is performed.

To turn Bluetooth on or off, touch the **Home key** >  > **Settings** > **Bluetooth** and touch the Bluetooth switch.

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

Change the device name

1. Touch the **Home key** >  > **Settings** > **Bluetooth** and turn Bluetooth on.
2. Touch  > **Rename this device**.
3. Edit the name and touch **RENAME**.

Pair with another Bluetooth device

1. Touch the **Home key** >  > **Settings** > **Bluetooth** and turn Bluetooth on.
2. 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**. Alternately, enter a Bluetooth passkey and touch **PAIR**.
5. 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 handsfree car kits. You can try entering 0000 or 1234 (the most common passkeys) or refer to the documents for that device.

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 the device you need.

Receive data via Bluetooth

1. Turn Bluetooth on before trying to receive data via Bluetooth.
2. Flick down the status bar and touch .
3. Touch **ACCEPT** to start receiving the data.

Depending on your storage setting and whether a microSD card is installed, received files are stored automatically in a dedicated folder (bluetooth, for instance) in the phone storage or microSD directory. You can access them with the **File Manager** app. Received contacts (vCard files) are automatically imported to your contact list.

4.5 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 internal storage or on a removable microSD card.

If you are using USB tethering (see [Share your mobile data connection via USB](#)), 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  (**Connected as...**).
3. Choose one of the following options:
 - ▶ **Media device (MTP):** Transfer files on Windows® PC or Mac®.
 - ▶ **Camera (PTP):** Transfer photos using camera software.

Connect with Windows Media® player

You can sync music on your phone and the computer installed with Windows Media Player.

1. Connect the phone with your computer via USB and choose **Media device (MTP)**.
2. Open Windows Media Player and synchronize music, picture, and video files.

Disconnect your phone from the computer

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

Unmount the microSD card

You can unmount the microSD card and make it inaccessible from your phone while the phone is on.

1. Touch the **Home** key >  > **Settings > Storage > Unmount SD card > OK**.
2. The  icon appears in the status bar and you can now safely remove the microSD card from the phone.

Erase and format the microSD card

1. Touch the **Home** key >  > **Settings** > **Storage**.
2. Scroll down the screen to the SD card section and touch **Erase SD card** > **ERASE SD CARD** > **ERASE EVERYTHING**.

The microSD card is formatted in VFAT format.

CAUTION:

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

4.6 Sharing your mobile data connection

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

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



NOTE:

To stop sharing your data connection, touch **USB tethering** again 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 documents.
3. Touch the **Home** key >  > **Settings** > **More** > **Tethering & portable hotspot**.
4. Touch **Bluetooth tethering**. Your computer is now sharing your phone's data connection.



NOTE:

To stop sharing your data connection, touch **Bluetooth tethering** again.

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 the **Home** key >  > **Settings** > **More** > **Tethering & portable hotspot**.
2. Touch **Portable Wi-Fi hotspot**.
3. After a moment, the phone starts broadcasting its Wi-Fi network name (SSID).
4. 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, touch **Portable Wi-Fi hotspot** again.

Rename or secure your Wi-Fi hotspot

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

1. Touch the **Home** key >  > **Settings** > **More** > **Tethering & portable hotspot**.
2. Touch **Wi-Fi hotspot settings** > **Set up Wi-Fi hotspot**.
3. 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, Open (not recommended), WPA PSK or WPA2 PSK (other users can access your mobile hotspot only if they enter the correct password). When you select WPA PSK or WPA2 PSK.
 - ▶ **Password:** Touch the Password field to edit the security password.
4. Touch **SAVE** to save your settings.

4.7 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 the **Home** key >  > **Settings** > **More** > **VPN**.
2. Touch  and fill in the information provided by your network administrator.
3. Touch **SAVE**.

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

Connect to a VPN

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

When you are connected, the VPN connected icon appears in the status bar.

Modify a VPN

1. Touch the **Home** key >  > **Settings** > **More** > **VPN**.
2. Touch and hold the VPN that you want to modify.
3. Touch **Edit profile** and edit the VPN settings you want.
4. Touch **SAVE**.

Delete a VPN

1. Touch the **Home** key >  > **Settings** > **More** > **VPN**.
2. Touch and hold the VPN that you want to modify.
3. Touch **Delete profile**.

5. Phone calls

You can place calls from the Phone 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.

5.1 Placing and ending calls

Place a call by dialling

1. Touch the **Home** key > .
2. Touch , enter the phone number with the on-screen keypad. Touch  to delete incorrect digits.



NOTE:

As you enter digits, your phone searches for contacts that match. If you see the number you want to dial, touch it to place the call immediately without entering the rest of the number.

3. Touch  below the keypad to dial.

You can also touch the search box at the top of the Phone app screen and enter the phone number or contact name you want to call. Touch the matching contact or **Call** [number] to place the call.



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.
- To redial the last call you made, just touch the **Home** key >  >  >  and touch  again.

End a call

During a call, touch  on the screen.

5.2 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

Answer a call

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

NOTE:

To silence the ringer before answering the call, press 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 send a preset text message to the caller.

NOTE:

To edit the text response from within the Phone app, touch  in the top search field and select **Settings > General > Quick responses**.

5.3 Working with the call log

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 view recent call history, you can touch the **Home** key >

 > **RECENTS**. To check the full history, touch **View full call history** at the bottom of the **RECENTS** tab.

Place a call from the call history

1. Open the call history.
2. Touch a number and select **CALL BACK**.

 **NOTE:**

You can touch **MISSED** or **ALL** to filter the records by call type.

Add a number from call history as a contact

1. Open the call history.
2. Touch the contact icon in front of the entry to open the contact information tab.
3. Touch .
4. To add the number to an existing contact, touch a contact in the list. To add a new contact, touch **Create new contact**.

Take other actions on a call history entry

Open the call history to touch a number and then touch **DETAILS**.

- Touch  > **Edit number before call** to edit the number in the dialer before calling it.
- Touch  to delete the entry.

- Touch the contact icon in front of the entry to open the contact information tab from the bottom, where you can send a message, call back, edit the contact, add the contact to favourites, or add the number to contacts.



NOTE:

You can touch  > **Clear call history** in the call history screen to delete all history records.

5.4 Calling your contacts

1. Touch the **Home** key > . Your favourite contacts and frequently called contacts are displayed in the **SPEED DIAL** tab.
2. Touch a contact to place the call, or touch or swipe to the **CONTACTS** tab to view all your contacts with phone numbers and touch to make a call.

5.5 Checking voicemail

If you have set the phone to divert calls to voicemail, callers can leave voicemail messages when they cannot reach you. Here's how to check the messages they left.

1. Touch the **Home** key >  > .
2. Touch and hold "1" in the dialer. If prompted, enter your voicemail password.
3. Follow the voice prompts to listen to and manage your voicemail messages.



NOTE:

See [Set voicemail](#) for how to set your voicemail service. For detailed information, please contact the service provider.

5.6 Using options during a call

During a call, you will see a number of onscreen options. Touch an option to select it.

- Touch  to turn on or off the speaker.
- Touch  to mute or unmute your microphone.
- Touch  to make another call separately from the first call, which is put on hold.
- Touch  to switch to the keypad when you need to enter a code (for example, the PIN for your voicemail or bank account) during the call.
- Touch  to put the call on hold.
- Touch  to make the separate calls into a single conference call.

WARNING!

Because of higher volume levels, do not place the phone near your ear during speakerphone use.

5.7 Managing multi-party calls

When the call waiting and three-way call features are available, you can switch between two calls or set up a conference call.

NOTE:

The call waiting and three-way call features need network support and may result in additional charges. Please contact your service provider for more information.

Switch between current calls

When you're on a call and another call comes in, your phone screen informs you and displays the caller ID.

To respond to an incoming call while you're on a call:

Drag  over  to answer the call. (This puts the first caller on hold and answers the second call.)

To switch between two calls:

Touch the tab at the bottom (displayed as **"On hold"**) to switch back to the other call.

Set up a conference call

With this feature, you can talk to two people at the same time.

1. Place the first call.
2. Once you have established the connection, touch  and dial the second number. (This puts the first caller on hold.)
3. When you're connected to the second party, touch .

If one of the people you called hangs up during your call, you and the remaining caller stay connected. If you initiated the call and are the first to hang up, all callers are disconnected.

To end the conference call, touch .

5.8 Adjusting your call settings

Set contact display options

You can set the order of the contacts displayed in the **CONTACTS** tab of the Phone app.

1. Touch the **Home** key >  >  (in the top search field) > **Settings > General**.
2. Touch **Sort by** or **Name format** to set the order of the contacts and the format of the contact names.

Set sound and vibration

Set the sound and vibration for incoming calls as well as dialpad sounds.

1. Touch the **Home** key >  >  (in the top search field) > **Settings > General**.
2. In the **Sounds and vibrate** section, touch the option you want to configure.
 - ▶ Touch **Phone ringtone** to select the ringtone for incoming call notification.
 - ▶ Check **Dialpad tones** to play sounds when you touch the dialpad keys.
 - ▶ Check **Also vibrate for calls** to enable vibration for incoming call notification.

Edit quick response to rejected callers

1. Touch the **Home** key >  >  (in the top search field) > **Settings > General > Quick responses**.
2. Touch a text message to edit it.

Set voicemail

1. Touch the **Home** key >  >  (in the top search field) > **Settings > Calls**.
2. Touch **Voicemail** to configure voicemail settings.
 - ▶ Touch **Service** to select the voicemail service provider. Your carrier is the default.

- ▶ Touch **Setup > Voicemail number** to edit the voicemail number.
- ▶ Touch **Sound** to select the notification sound for new voicemails.
- ▶ Check **Vibrate** to enable vibration for notification.

Use fixed dialing numbers

Fixed Dialing Numbers (FDN) allows you to restrict outgoing calls to a limited set of phone numbers.

1. Touch the **Home** key >  >  (in the top search field) > **Settings > Calls**.
2. Touch **Fixed Dialing Numbers** and the following options are available:
 - ▶ **Enable FDN:** Input the PIN2 code to enable the FDN feature.
 - ▶ **Change PIN2:** Change the PIN2 code for FDN access.
 - ▶ **FDN list:** Manage the FDN list.



NOTE:

The PIN2 code is provided by your carrier. Entering an incorrect PIN2 code more times than allowed can get your micro-SIM card locked. Contact the service provider for assistance.

Forward incoming calls

Call forwarding feature allows you to forward your incoming calls to another phone number.

1. Touch the **Home** key >  >  (in the top search field) > **Settings > Calls**.
2. Touch **Call forwarding**.
3. Touch an available option (**Always forward**, **When busy**, **When unanswered**, or **When unreachable**) to enable it.

Set speed dials

You can touch and hold the 1 ~ 9 keys from the dialler to call the corresponding speed dial number.

The number key 1 is reserved to speed dial your voicemail.

To assign a speed dial key:

1. Touch the **Home** key >  >  (in the top search field) > **Settings > Calls > Speed dial.**
2. Touch a speed dial key.
3. Enter a phone number or select one from the contact list.
4. Touch **OK**.

Other options

1. Touch the **Home** key >  >  (in the top search field) > **Settings > Calls > Additional settings.**
2. Touch **Caller ID** to choose whether your number is displayed when someone receives your outgoing call. Or check **Call waiting** to get notified of incoming calls during a call.



NOTE:

Please contact the service provider to check whether the caller ID and call waiting features are available.

6. Contacts

You can put 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 the **Home** key >  > . There you can touch the tabs on the top of the screen to quickly switch to contact groups or favourite contacts.

6.1 Checking contact details

1. Touch the **Home** key >  >  and touch the **ALL CONTACTS** 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 letter initial you need.

6.2 Adding a new contact

1. Touch the **Home** key >  >  and touch the **ALL CONTACTS** tab.
2. Touch  to add a new contact.
3. 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.
5. Touch  to save the contact.

6.3 Setting up your own profile

You can create your own name card in your phone.

1. Touch the **Home** key >  >  and touch the **ALL CONTACTS** 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 .

6.4 Importing, exporting and sharing contacts

You can import/export contacts from/to your micro-SIM or microSD card. This is especially useful when you need to transfer contacts between different devices. You can also quickly share contacts using Bluetooth, Google Drive, Email, Gmail, or Messaging.

Import contacts from the storage

1. Touch the **Home** key >  > .
2. Touch  > **Import/export** > **Import from storage**.
3. Select an account in which to save the contacts.
4. Select the vCard file(s) and touch **OK**.

Export contacts to the micro-SIM card

1. Touch the **Home** key >  > .
2. Touch  > **Import/export** > **Copy to** > **SIM Contacts**.
3. Touch to select the contacts you need and then touch .

Export contacts to the storages

1. Touch the **Home** key >  > .
2. Touch  > **Import/export** > **Export to storage**.
3. The phone will prompt you with the name of the vCard file. Touch **OK** to create the file on the microSD card or the phone storage.

Share contact

1. Touch the **Home** key >  > .
2. Touch a contact and then touch  > **Share**.
3. Choose to share the contacts via Bluetooth, Drive, Email, Gmail or Messaging.

6.5 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 the **Home** key >  >  and touch the **ALL CONTACTS** tab.
2. Touch a contact and then touch  at the top.

Remove a contact from favourites

1. Touch the **Home** key >  >  and touch the **FAVOURITES** tab.
2. Touch a favourite contact and then touch  next to the contact name.

6.6 Searching for a contact

1. Touch the **Home** key >  > .
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.

6.7 Editing contacts

Edit contact details

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

Set a ringtone for a contact

Assign a special ringtone to a contact, so you know who is calling when you hear the ringtone.

1. Touch the **Home** key >  > .
2. Touch a contact you want to set a ringtone for and then touch .
3. Touch  > **Set ringtone**.
4. Select a ringtone you like in the **RINGTONE** section and touch **OK**.

Delete contacts

1. Touch the **Home** key >  > .
2. Touch a contact and then touch  > **Delete**.
3. Touch **OK**.

Join Contacts

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

1. Touch the **Home** key >  > .
2. Touch a contact entry to display the contact's details and then touch .
3. Touch  > **Join**.
4. Touch the contact whose information you want to join with the first entry.

The information from the second contact is added to the first, and the second contact is no longer displayed in the **ALL CONTACTS** list.

You can repeat these steps to join another contact to the main contact.

7. Accounts

7.1 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 the **Home** key >  > **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** list.

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 the **Home** key >  > **Settings** > **Accounts**.
2. Touch the account category in the list and then touch the account.
3. Touch  > **Remove account** > **REMOVE ACCOUNT**.

7.2 Configuring account sync

Configure auto sync setting

1. Touch the **Home** key >  > **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 auto sync is turned off, you need to sync manually to collect emails, updates, or other recent information.

Sync manually

1. Touch the **Home** key >  > **Settings** > **Accounts**.
2. Touch the account category and then the account you want to sync.
3. Touch  > **Sync now**.

Change an account's sync settings

1. Touch the **Home** key >  > **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. Check or uncheck items as you need. Checked types of information on the phone and the web will be kept in sync when auto-sync is turned on.

8. Email

Touch **Email** in the home screen 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.

8.1 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:

You can also enter these details manually by touching **MANUAL SETUP** or when automatic setup fails.

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.

8.2 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.

To check earlier emails for your IMAP or POP3 accounts, swipe upwards to the bottom of the message list and touch **LOAD MORE**.

8.3 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 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 .
 - ▶ To forward the email to someone else, touch .
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 before 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), touch the sender images in front of the messages and then touch .

8.4 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.
3. Enter the email subject and compose the email text.
4. Touch  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.

8.5 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  at the top left and then 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  at the top left and then touch **Settings**.
3. Touch the account whose settings you want to change.
4. Make the changes you want and touch the **Back** key when you finish.

8.6 Changing general email settings

General settings apply to all email accounts you add.

1. Open **Email** to get the Inbox screen.
2. Touch  at the top left and then touch **Settings > General settings**.
3. Make the changes and touch the **Back** key when you finish.

9. Messaging

You can use **Messaging** to exchange text messages (SMS) and multimedia messages (MMS).

9.1 Opening the Messaging screen

Touch the **Home** key >  > **Messaging**.

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

- Touch  to write a new text or multimedia message.
- Touch  > **Search** to search for a message using keywords.
- Touch an existing message thread to open the conversation you've had with a certain number.

9.2 Sending a message

1. On the **Messaging** screen, touch  at the top.
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 call log.
3. Touch the **Type message** field and enter the content of your message.
4. If you want to send a multimedia message, touch  to attach a file or a slideshow to the message.
5. Touch  to send the message.



NOTE:

- You can also include email addresses as recipients for multimedia messages.
- Do not add a message subject or any attachment if you want to send a text message. Otherwise you may be charged for a multimedia message.

9.3 Replying to a message

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

1. On the **Messaging** screen, touch the thread that has the message you want to reply to.
2. Type your reply in the text box at the bottom. You can touch  if you want to reply with an MMS.
3. Touch .

9.4 Forwarding a message

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

9.5 Changing Messaging. settings

Touch  > **Settings** in the **Messaging** screen to change Messaging settings.

10. Web Browser

You can use the preinstalled **Chrome** app to view web pages and search for information. In addition, you can also install other web browser app that you prefer.

10.1 Opening the Browser

Touch the **Home** key >  > **Chrome** to launch the browser. Chrome also opens when you touch a web link - for example, in an email or a text message.

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. You can also touch  to search by voice.
4. Touch a URL or search suggestion or touch enter key on the keyboard to open the web page or search results.

NOTE:

Touch  >  if you want to stop opening the page.

10.2 Downloading files

Touch and hold an image or a link to a file or to another web page. In the menu that opens, touch **Save image** or **Save link**. The downloaded files are saved to your phone or the memory card. You can view or open them in the **Downloads** app.

10.3 Changing Chrome settings

You can configure a number of Chrome 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**.

11. Camera

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

11.1 Capturing a photo

1. Touch the **Home** key >  > **Camera**.
2. Aim the camera at the subject and make any necessary adjustment. Auto camera mode is used by default.

Icon	Function
	Change the camera settings.
	Touch the shutter button to take a picture.



NOTE:

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

3. Lightly touch .

11.2 Recording a video

1. Touch the **Home** key >  > **Camera**.
2. Touch the screen and swipe to the right.



NOTE:

You can spread or pinch on the screen or press the Volume Key to zoom in or out before and during recording.

3. Select the video mode.

4. Touch  to start recording. You can also touch /  to pause or resume recording.
5. Touch  to stop recording.

11.3 Customising camera/camcorder settings

Before capturing a photo or recording a video, you can swipe to the right on the screen and touch  to open the following camera and camcorder setting options.

- **Resolution & quality:** Select the resolution & quality for captured photos and videos.
- **Location tag:** Select whether to store the GPS location in your captured photos.
- **Advanced**
 - ▶ **Camera advanced settings:** Adjust white balance, antibanding, colour effect, scene mode, ISO, contrast, and brightness, toggle manual exposure and shutter sound, or restore default camera settings.
 - ▶ **Video advanced settings:** Select the encode type, set 1/2 or 1/3 speed slow motion recording, or restore default camera and camcorder settings.

12. Gallery

12.1 Opening gallery

Touch the **Home Key** >  > **Gallery** to view albums of your pictures and videos.

12.2 Working with albums

When you open Gallery, all pictures and videos on your phone are displayed in a number of albums. Swipe left or right to see them all.

To view album contents:

Touch an album to view the pictures and videos it contains.

To share albums, pictures, or videos:

1. Touch and hold an album to select it or touch and hold an item after you open an album to select a picture or a video.
2. Touch more items that you want to share.
3. Touch  and select how you want to share the items.

To delete albums:

1. Touch and hold an album until it is selected.
2. Touch more albums that you want to delete.
3. Touch  > **Delete** > **OK** or  > **OK**.

12.3 Working with pictures

Touch a picture in an album to view the picture in full screen.



When viewing a picture in full screen, the following features are available.

- Swipe horizontally to see more pictures or videos.
- Pinch a picture or video to make it smaller. You'll then see a filmstrip-style view of all your pictures and videos in a row. Swipe left or right to scan through them all.



NOTE:

You can delete a picture or video by swiping it up or down in the filmstrip view.

- Double-tap the picture, or pinch two fingers together or spread them apart to zoom out or in.
- Touch  to delete the picture, check file details, or browse the album contents in a slideshow.
- Touch  to return to the album.
- Touch  at the bottom to edit the picture.



NOTE:

Some options may not be available for certain albums or pictures.

12.4 Retouching your pictures

You can edit any photos you took and some other pictures in **Gallery**. The changed picture is saved in the album, while the original image is never affected.

1. Touch  or  > **Edit** while viewing a picture in full screen.
2. Touch an edit option along the bottom of the screen and edit the picture.

	Apply effects, such as punch, vintage, black/white, bleach, and instant on the picture.
	Select a frame for the picture.
	Crop, straighten, rotate, mirror, or doodle the picture.
	Apply and adjust effects such as exposure, vignette, contrast, and shadows on the picture.

3. To undo or redo the changes you've made to the picture, touch  or  at the top of the screen.
4. Touch **SAVE** to save the picture.

12.5 Playing videos

1. Touch an album in the gallery and then touch the thumbnail of a video.
2. Touch  at the center and select a player to start playing. Touch the video to view the playback controls.

13. Play 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.



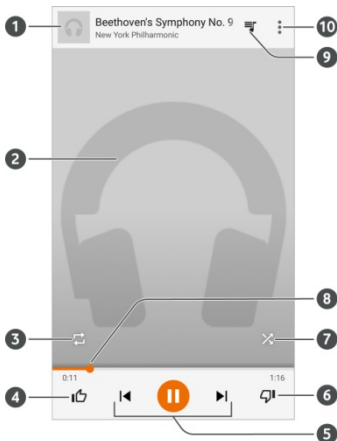
NOTE:

In addition to the **Play Music** app, you can also install other music players on your phone. **Play Music** supports MP3, M4A, AAC, AMR, WAV, MIDI, 3GP, FLAC and OGG file types. If you have other types of music files, install another music player that support them.

13.1 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, organised by **PLAYLISTS**, **GENRES**, **ARTISTS**, **ALBUMS** and **SONGS**. You can touch  > **My 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	Give the song a thumbs-up.
5	Playback control. Skip songs, or pause and resume playback.
6	Give the song a thumbs-down.

Number	Function
7	Turn on or off shuffle.
8	Drag the progress bar to jump to any part of the song.
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 pause/resume playback or skip songs.
- 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.

13.2 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**.

To remove a song from a playlist:

1. Touch  > **My Library** in the **Play Music** app.
2. Touch **PLAYLISTS** and open a playlist.
3. Touch  next to a song in the playlist.

4. Touch **Remove from playlist**.

To delete a playlist:

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



NOTE:

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

14. Video player

Use the **Video Player** app to manage your video library and to watch videos.

14.1 Opening the video library

Touch the **Home Key** >  > **Video Player** to view your video library, where your video files are displayed in a series of albums.

Swipe left or right to browse all the albums. Touch one to open the album.

14.2 Playing and controlling videos

Touch the video to show the playback controls. You can control the video or carry out other operations.

- Touch the video to pause or resume the playback.
- Touch  or  to jump forward or backward.
- Touch  to go back to the beginning and stop playing.

14.3 Managing video files

Delete video clips

1. Touch  > **Select item** or **Select video** in the video library.
2. Touch the videos or albums you want to delete.
3. Touch  > **Delete** > **OK** or  > **OK**.

Share video clips

1. Touch  > **Select item** or **Select video** in the video library.
2. Touch the videos or albums you want to share.
3. Touch  and select how you want to share them.

Check video file details

1. Touch an album in the video library.
2. Touch and hold a video.
3. Touch  > **Details**.
4. Check the file title, time, width, height, duration, file size, and path. Touch **CLOSE** when you finish.

15. FM radio

With the FM radio, you can search for radio channels, listen to them, and save them on your phone. Note that the quality of the radio broadcast depends on the coverage of the radio station in your area. The wired headset that comes with your phone works as an antenna, so always connect the headset when using the radio. When you receive an incoming call while listening to the radio, the radio will be temporarily turned off and resume after the call is ended.

15.1 Scanning and saving channels

Plug in a wired headset and touch the **Home** key >  > **FM Radio** >  > **Auto Search**, you phone scans for all available channels and saves them to the All channels list.



NOTE:

All previously saved channels, except those you have added to favourites, will be removed if you scan again. Touch  > **Radio List** to view the All channels list.

15.2 Listening to FM radio

1. Touch  in the Home Screen and select **FM Radio** while the headset is connected.
2. Touch  > **Radio List** and select a channel.

You can also drag the red line along the frequency panel or touch  or  to switch to other channels.



NOTE:

- Touch  to add the channel to favourites. Touch  > **Radio List** to view all favourite channels.
- Touch  to listen to the radio through the phone speaker.

15.3 Recording radio programs

When you listen to the radio, you can record your favourite programs and save the audio on the phone.

1. Touch  > **Start Recorder** to start recording.
2. When the program ends, touch  > **Stop Recorder**.
Recorded files are stored automatically in a folder (Records, for instance). You can access them with the **File Manager** app, or play them with the **Music** or **Play Music** app.

15.4 Editing a saved channel

1. Open the **FM Radio** app and touch  > **Radio List** to display the list of saved channels.
2. Touch  >  > **Delete All** or touch  to edit, or touch the star to the left of a channel to add it to favourites.

15.5 Other options and settings

To turn off FM radio immediately:

Touch  at the bottom of the screen.

16. Sound recorder

Sound Recorder enables you to record voice memos and listen to them whenever you like.

16.1 Recording a voice memo

1. Touch the **Home** key >  > **Sound Recorder**.
2. Touch  to start recording. During recording, you can do the following:
 - ▶ Touch  /  to pause or continue the recording.
 - ▶ Touch  to cancel the recording.
3. Touch  to stop recording. The memo is automatically saved.

If you don't want to save the memo after recording it, touch  > **OK** to delete it.

16.2 Playing a voice memo

To play a memo you just recorded:

Touch .

To play any saved memo:

1. Touch  at the top right of the screen to see all recordings.
2. Touch the title of a memo to play it.

17. More apps

17.1 Clock

Touch the **Home** key >  > **Clock**. The Clock app allows you to check local time and time in other cities in the world, set alarms, and use timers.

Set a new alarm

1. Touch the  tab in the **Clock** app.
2. Touch an existing alarm to configure it, or touch  at the bottom of the screen to create a new alarm.
3. Set up the alarm options, such as time, repeat, and alarm sound.

NOTE:

To enable or disable existing alarms directly, just slide the switches on the right side.

Check world time

Touch the  tab in the **Clock** app to check local time for cities around the world.

Touch  at the bottom to add a new city or country.

Use the stopwatch and countdown

Touch the  or  tab in the Clock app to use the countdown timer or the stopwatch.

Stopwatch allows you to record lap times, while countdown timer allows you to set a time and count down to zero.

17.2 Calculator

Touch the **Home** key >  > **Calculator** to use the phone's convenient built-in calculator for some basic as well as advanced mathematical equations.



NOTE:

Slide left or right to switch between different panels.

17.3 Downloads

The **Downloads** app keeps a record of the files you have downloaded using apps such as Chrome or Email.

Touch the **Home** key >  > **Downloads** to check the record.

- Touch a file to open it with the appropriate applications.
- Touch and hold a file to delete or share it.

17.4 File manager

Quickly access all of your images, videos, audio clips, and other types of files on your phone storage and the microSD card (if installed).

Touch the **Home** key >  > **File Manager**. You can find the file you need by category in the **CATEGORY** tab, or touch **PHONE**, **SD CARD** to browse folders and files on the phone storage or the microSD card (if installed).

- Touch folders and files to access stored items.
- Touch and hold an item to access option icons such as Copy, Move, Share, or Delete.
- To copy or move an item, navigate to a new location and touch **PASTE**.
- Touch  to create a new folder in the current directory.

17.5 Google apps

Open the Google apps to use Google services. Some apps are put in the Google folder on the home screen.



NOTE:

Some contents or Google services may not be available in your region.

- **Google:** Use Google search or get information when you need it with Google Now.
- **Gmail:** Use the Gmail service to send and receive emails.
- **Maps:** Find your place and find your way in the world.
- **Play Music:** Play music on the phone and on your Google account.
- **Play Movies & TV:** Purchase, download and watch the latest and your favourite movies and TV shows.
- **Drive:** Store files on the Google servers.
- **YouTube:** Watch video clips from YouTube.com, or upload your own and share with the world.
- **Photos:** Manage photos on the phone and your Google account.
- **Hangouts:** Chat with Google+ friends or send text or multimedia messages.
- **Play Store:** Buy and download apps, games, and other content from the Google Play Store.
- **Voice Search:** Search for information with your voice.

18. Settings

Touch the **Home** key >  > **Settings**. The Settings app contains most of the tools for customizing and configuring your device.

18.1 Wireless and networks

Wi-Fi

Turn Wi-Fi on or off and configure your Wi-Fi connections. See [4.2 Connecting to Wi-Fi](#).

Bluetooth

Turn Bluetooth on or off and configure your Bluetooth connections. See [4.4 Connecting to Bluetooth devices](#).

Data usage

Touch the switches to turn on or off mobile data and data limit. You can check how much data has been used during the time cycle you set, set a mobile data limit and warning, see what apps have been using mobile data, or restrict background data for individual apps.



NOTE:

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

Flight mode

In the **Settings** app, touch **More > Flight mode**. All the phone's radios that transmit voice or data are turned off.

Default SMS app

In the **Settings** app, touch **More > Default SMS app** to choose the preferred application for sending and receiving SMS.

Tethering and portable hotspot

In the **Settings** app, touch **More > Tethering & portable hotspot** to share your phone's mobile data connection with PCs or other devices via USB, Bluetooth or Wi-Fi. See [4.6 Sharing your mobile data connection](#).

VPN

In the **Settings** app, touch **More > VPN** to set up and connect to virtual private networks. See [4.7 Connecting to virtual private networks](#).

Mobile network

In the **Settings** app, touch **More > Mobile networks** to control mobile data use, select mobile network and set access point names. See [4.1 Connecting to mobile networks](#).

Emergency broadcasts

In the **Settings** app, touch **More > Emergency broadcasts** to set emergency alert, display test broadcasts for Earthquake Tsunami Warning System.

18.2 Device

Home

Switch between the Standard home screen and the Simple home screen. The Simple home screen provides a simplified layout with access to your favourite contacts and apps.

Display

- **Brightness level:** Set the brightness of the display.
- **Wallpaper:** Select a background image for the Home Screen.
- **Sleep:** Set the length of time of inactivity before the screen turns off.
- **Daydream:** Manage the Daydream function. When Daydream is enabled, photos or animations will be displayed as a screensaver.
- **Home Screen:** Swipe right to launch favourite app.
- **Pulse notification light:** Flash the LED light to notify you of missed calls, new messages, and other events.
- **Font size:** Set the font size of the text on the screen.

Sound and notification

Adjust different types of volume (see [2.5 Adjusting volume](#)), toggle sound and mute (see [2.6 Switching to silent or vibration mode](#)), set up ringtone and notification sound (see [2.3 Changing ringtone and notification sound](#)), and select system sounds or control notification display.

Storage

The **Storage** settings menu lets you manage the phone storage and provides options for your microSD card.

SD card

The external SD card storage options let you view the microSD card's size and available space, unmount the card for safe removal from the phone, and format (erase) the card. For details, see [Unmount the microSD card](#) and [Erase and format the microSD card](#).

Battery

View the battery level, check what has been using the battery, and enable battery saving mode in the Battery menu.

Touch an app or service to adjust its settings in order to save battery life. For example, touch **Screen > DISPLAY** to open Display settings where you can change screen brightness and sleep, or touch an app that has been using a lot of battery and touch **APP INFO** to stop the app.

Touch  > **Battery saver** to manage battery saving mode. You can turn on or off Battery saver, or set a battery level at which Battery saver can turn on automatically.

Apps

See apps installed on your phone and manage them.

Touch an app in the **DOWNLOADED**, **ON SD CARD**, **RUNNING**, or **ALL** tab to see its information. You can stop the app, uninstall the app or an update, clear data and cache, clear default settings, or move the app between the internal storage and the phone storage.



NOTE:

- Not all applications can be moved or uninstalled.
- Some preinstalled apps cannot be uninstalled, but you can uninstall its updates and return to the factory version.
- Some apps can notify you of available updates or have settings that you can use to check for updates, follow the prompts to download and install. For other apps, go to the app store where you downloaded them and check for updates.

In the **RUNNING** tab, you can check the memory (RAM) usage. If free RAM space is running low, you can touch the app you don't use in the list and stop it to free up some space.

Auto On/Off

Set the day and time the phone powers on or off automatically or turn these feature off.

- Touch the time to set up the day and time for automatic powering on or off.
- Touch the switches on the right to turn on or off the functions.

18.3 Personal

Location

Activate location services to determine your location. To use location-related applications, such as finding your location on Google Maps, you must have location services turned on on your phone.

1. Touch the **Home** key >  > **Settings** > **Location**.
2. Slide the **Location** switch at the top to turn location services on or off.
3. When location is enabled, touch **Mode** to select location sources you want to use.
 - ▶ **High accuracy:** Get accurate location using both GPS and Wi-Fi as well as mobile networks.
 - ▶ **Battery saving:** Use only Wi-Fi and mobile networks to get your approximate location. This will drain less power from your battery than using GPS.
 - ▶ **Device only:** Use GPS to pinpoint your location.
 - ▶ **Assisted GPS enable option:** Whether to enable agps in different network environment.

Security

- **Screen lock:** Disable the screen lock or enable it with swipe, pattern, PIN, or password. See [2.9 Protecting your phone with screen locks](#).
- **Owner info:** Set the text that you may display on the lock screen.
- **Smart Lock:** Keep the phone unlocked when connected to trusted devices, in trusted places, or unlocked by trusted faces.



NOTE:

You need to sign in to your Google account on the phone to use the **Smart Lock** feature.

- **Encrypt phone:** Encrypt your data on the phone to protect your privacy. See [2.10 Protecting your phone with encryption](#).
- **Set up SIM card lock:** Touch your micro-SIM card and you can manage the following settings.
 - ▶ **Lock SIM card:** Activate or deactivate the PIN lock to require PIN before accessing the micro-SIM card.
 - ▶ **Change SIM PIN:** Change the PIN used to access the micro-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 micro-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 micro-SIM card.

- **Make passwords visible:** Display passwords as you enter them.
- **Device administrators:** View or deactivate apps you have authorized 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.
- **Install from SD card:** Install certificates from the memory 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 the **Home** key >  > **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

Manage your 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.

Language and input

- **Language:** Select a language and region for your system.
- **Spell checker:** Use Android 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.
- **Voice input:** Select and configure voice input services.
- **Text-to-speech output:**
 - ▶ **Preferred engine:** Select the speech synthesis engine you want to use or change its settings.
 - ▶ **Speech rate:** Select how quickly you want the synthesizer to speak.
 - ▶ **Listen to an example:** Play a brief sample of the speech synthesizer, using your current settings.
 - ▶ **Default language status:** Check whether the text-to-speech output feature supports the current system language.
- **Pointer speed:** Set how fast the pointer/mouse should scroll when you connect the phone to a trackpad or mouse accessory.

Backup & reset

- **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. You can also erase the data on the phone storage and the microSD card during the process.

18.4 System

Date & time

Set date, time, time zone, and how date and time are displayed. You can also use network-provided data.

Accessibility

Configure accessibility plug-ins and services on your phone, such as using **Color inversion** or **Large text** for users with sight problems.

Printing

You can manage Google Cloud Print service or other printer plug-ins installed from the Google Play Store or your printer manufacturer.

About phone

View important phone information and legal information. You can also touch **Software updates** to upgrade your phone system over mobile networks, Wi-Fi, or from update packages copied to the storage card.

19. 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
Phone becoming hot	The phone is charging. While charging, the device may heat up.	This is normal and should not affect the device's lifespan or performance.
	You are using apps that require more power or for an extended period of time.	
	You are using the phone in hot environments.	Stop using the phone or turn it off until you return to normal temperature environment.
	The phone is overheating.	Cease using the phone immediately and unplug it from any power source to let it cool down. Do not hold on to the phone for too long to avoid burn injuries.
Phone slow to respond	The available memory (RAM) is running low.	Restart your phone to clear the RAM or stop unnecessary applications (see Apps).

Problem	Possible causes	Possible solution
Phone internal storage (ROM) full	Too many files are stored in the internal storage.	Go to Settings > Storage to change the default storage location to the SD card.
	Too many apps installed in the internal storage.	Go to Settings > Storage to change the preferred install location to the SD card.
		Go to Settings > Apps and move installed apps from the internal storage to the SD card.
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 mobile service provider.

Problem	Possible causes	Possible solution
Echo or noise	Poor network link quality 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.
	Poor local telephone line quality.	End the call and dial again. You may be switched to a better-quality network link or phone line.
Battery not charging	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.
	Poor contact between the battery and charger.	Check all connectors to ensure that all connections have been properly made.
Shortened standby time	The standby time is related to the signal strength of your local mobile network.	If you are located in an area where signaling 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.

Problem	Possible causes	Possible solution
	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.
micro-SIM card error	micro -SIM card malfunction or damage.	Contact your service provider to change a new card.
	micro -SIM card inserted improperly.	Insert the micro -SIM card properly.
	Debris on the micro -SIM card contacts.	Use a soft, dry cloth to clean the micro -SIM card contacts.
Cannot make outgoing calls	You have activated the Fixed dial numbers feature.	Disable this feature. See Use fixed dialing numbers .
PIN Code blocked	You have entered an incorrect PIN code three consecutive times.	Contact your local customer services to ask for micro-SIM card's PUK code, use the PUK code to unlock the micro-SIM card.

Problem	Possible causes	Possible solution
Phone crashes, reboots, freeze, or cannot be powered on	Some third-party software is not compatible with your phone.	Reset the phone to factory status.
		Uninstall the software that may cause the problem.
		Upgrade the phone software.

20. For your safety

General safety

	Read the Safety Information section of this user guide		Do not use while re-fuelling
	Do not use hand-held while driving		This device may produce a bright or flashing light
	For body-worn operation maintain a separation of 1.5 cm		Do not dispose of in a fire
	Small parts may cause a choking hazard		Avoid contact with magnetic media
	This device may produce a loud sound		Avoid Extreme Temperatures
	Keep away from pacemakers and other personal medical devices		Avoid contact with liquid, keep dry
	Switch off when instructed in hospitals and medical facilities		Do not try and disassemble
	Switch off when instructed in aircrafts and airports		Only use approved accessories
	Switch off in explosive environments		Do not rely on this device for emergency communications

RF exposure

Your phone contains a transmitter and a receiver. When it is ON, it receives and transmits RF energy. When you communicate with your phone, the system handling your call controls the power level at which your phone transmits.

Specific absorption rate (SAR)

Your mobile device is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves recommended by international guidelines. These guidelines were developed by the independent scientific organization ICNIRP and include safety margins designed to assure the protection of all persons, regardless of age and health.

The guidelines use a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit for mobile devices is 2.0 W/kg and the highest SAR value for this device when tested at the ear was 0.58 W/kg and when tested near the body (at a distance of 15 mm) the highest SAR value was 0.72 W/kg.

As mobile devices offer a range of functions, they can be used in other positions, such as on the body as described in this user guide. As SAR is measured utilising the device's highest transmitting power, the actual SAR of this device while operating is typically below that indicated above. This is to ensure it only uses the minimum power required to communicate with the network.

Body worn operation

Important safety information regarding radiofrequency radiation (RF) exposure. To ensure compliance with RF exposure guidelines the phone must be used with a minimum of 1.5 cm

separation from the body. Failure to observe these instructions could result in your RF exposure exceeding the relevant guideline limits.

Limiting exposure to radio frequency (RF) fields

For individuals concerned about limiting their exposure to RF fields, the World Health Organization (WHO) provides the following advice:

Precautionary measures: Present scientific information does not indicate the need for any special precautions for the use of mobile phones. If individuals are concerned, they might choose to limit their own or their children's RF exposure by limiting the length of calls, or using 'hands-free' devices to keep mobile phones away from the head and body.

Further information on this subject can be obtained from the WHO home page <http://www.who.int/peh-emf> WHO Fact sheet 193: June 2000.

Distraction

Driving

Full attention must be given to driving at all times in order to reduce the risk of an accident. Using a phone while driving (even with a hands free car kit) causes distraction and can lead to an accident. You must comply with local laws and regulations regarding the use of wireless devices while driving.

Operating machinery

Full attention must be given to operating the machinery in order to reduce the risk of an accident.

Product handling

You alone are responsible for how you use your phone and any consequences of its use. You must always switch off your phone wherever the use of a phone is prohibited. Use of your phone is subject to safety measures designed to protect users and their environment.

- Always treat your phone and its accessories with care and keep it in a clean and dust-free place.
- Do not expose your phone or its accessories to open flames or lit tobacco products.
- Do not expose your phone or its accessories to liquid, moisture or high humidity.
- Do not drop, throw or try to bend your phone or its accessories.
- Do not use harsh chemicals, cleaning solvents, or aerosols to clean the device or its accessories.
- Do not paint your phone or its accessories.
- Do not attempt to disassemble your phone or its accessories, only authorized personnel must do so.
- Do not expose your phone or its accessories to extreme temperatures, minimum -5 °C and maximum 40 °C
- Please check local regulations for disposal of electronic products.
- Do not carry your phone in your back pocket as it could break when you sit down.

Small children

Do not leave your phone and its accessories within the reach of small children or allow them to play with it. They could hurt themselves or others, or could accidentally damage the phone. Your phone contains small parts with sharp edges that may cause an injury or which could become detached and create a choking hazard.

Demagnetization

To avoid the risk of demagnetization, do not allow electronic devices or magnetic media close to your phone for a long time.

Electrostatic discharge (ESD)

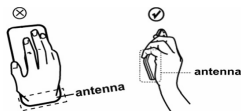
Do not touch the micro-SIM card's metal connectors.

Power supply

Do not connect your device to the power supply or switch it on until instructed to do so in the installation instructions.

Antenna

Do not touch the antenna unnecessarily.



Normal use position

When placing or receiving a phone call, hold your phone to your ear, with the bottom towards your mouth or as you would a fixed line phone.



Air bags

Do not place a phone in the area over an air bag or in the air bag deployment area. Store the phone safely before driving your vehicle.

Seizures/blackouts

This phone is capable of producing bright flashing lights.

Repetitive strain injury (RSI)

To minimize the risk of RSI, when texting or playing games with your phone:

- Do not grip the phone too tightly.
- Press the buttons lightly.
- Make use of the special features in the handset which minimize the number of buttons which have to be pressed, such as message templates and predictive text.
- Take lots of breaks to stretch and relax.

Emergency calls

This phone, like any wireless phone, operates using radio signals, which cannot guarantee connection in all conditions. Therefore, you must never rely solely on any wireless phone for emergency communications.

Loud noise

This phone is capable of producing loud noises which may damage your hearing.

MP3 and video player function

When listening to pre-recorded music or watching videos on your device, with headphones or earphones at high volumes, you run the risk of permanent damage to your hearing. Even if you are used to listening to music at a high volume and it seems acceptable to you, you still risk damaging your hearing. Reduce the sound volume to a reasonable level and avoid using headphones for an excessive period of time to avoid hearing damage.

Different headphones, earphones or ear buds may deliver a higher or lower volume, at the same volume setting on your device. Always start at a low volume setting.

Do not listen to music or video with headphones while driving.

Protect your hearing



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

Phone heating

Your phone may become warm during charging and during normal use.

Electrical safety

Accessories

Use only approved accessories. Do not connect with incompatible products or accessories. Take care not to touch or allow metal objects, such as coins or key rings, to contact or short-circuit the battery terminals.

Connection to a car

Seek professional advice when connecting a phone interface to the vehicle electrical system.

Faulty and damaged products

Do not attempt to disassemble the phone or its accessory. Only qualified personnel must service or repair the phone or its accessory. If your phone or its accessory has been submerged in water, punctured, or subjected to a severe fall, do not use it until you have taken it to be checked at an authorized service centre.

Battery Handling & Safety

Always switch the device off and disconnect the charger before removing the battery. Only use the battery and charger supplied, or manufacturer approved replacements intended for use with your phone. Using other batteries and chargers could be dangerous. Do not disassemble or short-circuit the battery. Accidental short-circuiting can occur if a metallic object such as a key, paper clip, or pen touches the terminals of the battery. Improper battery use may result in a fire, explosion, or other hazard. If you believe the battery has been damaged, do not use it; take it to a service centre for testing.

Interference

Care must be taken when using the phone in close proximity to personal medical devices, such as pacemakers and hearing aids.

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 15 cm be maintained between a mobile phone and a pacemaker to avoid potential interference with the pacemaker. To achieve this, use the phone on the opposite ear to your pacemaker and do not carry it in a breast pocket.

Hearing aids

People with hearing aids or other cochlear implants may experience interfering noises when using wireless devices or when one is nearby. The level of interference will depend on the type of hearing device and the distance from the interference source, increasing the separation between them may reduce the interference. You may also consult your hearing aid manufacturer to discuss alternatives.

Medical devices

Please consult your doctor and the device manufacturer to determine if operation of your phone may interfere with the operation of your medical device.

Hospitals

Switch off your wireless device when requested to do so in hospitals, clinics or health care facilities. These requests are designed to prevent possible interference with sensitive medical equipment.

Aircraft

Switch off your wireless device whenever you are instructed to do so by airport or airline staff. Consult the airline staff about the use of wireless devices on board the aircraft, if your device offers a 'flight mode' this must be enabled prior to boarding an aircraft.

Interference in cars

Please note that because of possible interference to electronic equipment, some vehicle manufacturers forbid the use of mobile phones in their vehicles unless a hands free kit with an external antenna is included in the installation.

Explosive environments

Petrol stations and explosive atmospheres

In locations with potentially explosive atmospheres, obey all posted signs to turn off wireless devices such as your phone or other radio equipment.

Areas with potentially explosive atmospheres include fuelling areas, below decks on boats, fuel or chemical transfer or storage facilities, areas where the air contains chemicals or particles, such as grain, dust, or metal powders.

Blasting caps and areas

Turn off your mobile phone or wireless device when in a blasting area or in areas posted turn off "two-way radios" or "electronic devices" to avoid interfering with blasting operations.

21. Declaration of RoHS Compliance

To minimize the environmental impact and take more responsibility for the earth we live in, this document shall serve as formal declaration that the device manufactured by ZTE CORPORATION is in compliance with the Directive 2011/65/EC of the European Parliament - RoHS (Restriction of Hazardous Substances) with respect to the following substances:

- (1) Lead (Pb)
- (2) Mercury (Hg)
- (3) Cadmium (Cd)
- (4) Hexavalent Chromium (Cr (VI))
- (5) Polybrominated biphenyls (PBB's)
- (6) Polybrominated diphenyl ethers (PBDE's)

(Compliance is evidenced by written declaration from our suppliers, assuring that any potential trace contamination levels of the substances listed above are below the maximum level set by EU 2011/65/EC, or are exempt due to their application)

The device manufactured by ZTE CORPORATION, meets the requirements of EU 2011/65/EC.

22. Disposal of Your Old Appliance



1. When this crossed-out wheeled bin symbol is attached to a product, it means the product is covered by the European Directive 2012/19/EC.
2. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.

For this product's recycling information based on WEEE directive, please send an e-mail to weee@zte.com.cn

23. EC DECLARATION OF CONFORMITY

C € 0700

It is hereby declared that following designated product:

Product Type: WCDMA/GSM (GPRS) Dual-Mode Digital Mobile Phone

Model No.: VFD 200/ZTE BLADE L105/BLADE L105/ Vodafone Smart first 7/ Vodacom Smart Kicka 2

Product Description: WCDMA/GSM (GPRS) Dual-Mode Digital Mobile Phone

Complies with the essential protection requirements of Directives on Radio and Telecommunication Terminal Equipment (Directive 1999/5/EC), Restriction of the Certain Hazardous Substances in electrical and electronic equipment (Directive 2011/65/EU), Eco-design Requirements for Energy-Related Products (Directive 2009/125/EC) and their amendments.

This declaration applies to all specimens manufactured identical to the samples submitted for testing/evaluation.

Assessment of compliance of the product with the requirements relating to Directive 1999/5/EC was performed by PHOENIX TESTLAB GmbH (Notified Body No.0700) and assessment of compliance of the product with the requirements relating to Directive 2011/65/EU was performed by Intertek Testing Services Ltd., Shanghai and Directive 2009/125/EC was performed by SGS-CSTC Standards Technical Service Co.,Ltd. The assessments were based on the following regulations and standards:

Requirement	Standard
Health and safety	EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011+A2:2013; EN 50332-2:2003; EN 50332-1:2000; EN 62209-1:2006; EN 62209-2:2010; EN 50566:2013; EN 50360:2001/A1:2012; EN 62479:2010
EMC	EN 301 489-1 V1.9.2; EN 301 489-3 V1.6.1; EN 301 489-17 V2.2.1; EN 301 489-7 V1.3.1; EN 301 489-24 V1.5.1
Radio Spectrum	EN 301 908-1 V6.2.1; EN 301 908-2 V6.2.1 EN 301 511 V9.0.2; EN 300 328 V1.8.1; EN 300 440-1 V1.6.1; EN 300 440-2 V1.4.1
RoHS	IEC 62321:2008+2013+2015
ErP	(EC) No 278/2009

This declaration is the responsibility of the manufacturer:

ZTE Corporation

ZTE Plaza, Keji Road South, Hi-Tech, Industrial Park, Nanshan District, Shenzhen, Guangdong, 518057, P.R.China

Authorised person signing for the company:

Yao Cuifeng Quality Director of ZTE Corporation

Name in block letters & position in the company

Shenzhen, 4 February 2016



Place & Date

Legally valid signature

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