Table of Contents

1 Your phone ................................................................. 4
  1.1 Keys and connectors .................................................. 4
  1.2 Getting started ......................................................... 8
  1.3 Home screen ............................................................ 11

2 Text input ....................................................................... 21
  2.1 Using the onscreen keyboard ....................................... 21
  2.2 Text editing ................................................................. 22

3 Phone call, Call log & People ........................................... 23
  3.1 Phone call ................................................................. 23
  3.2 Recents ...................................................................... 32
  3.3 Contacts ..................................................................... 32

4 Messaging & Email .......................................................... 38
  4.1 Message+ ................................................................. 38
  4.2 Gmail/Email ............................................................... 43

5 Calendar, Alarm clock & Calculator ................................. 46
  5.1 Calendar ................................................................. 46
  5.2 Clock ........................................................................ 48
  5.3 Calculator ................................................................. 50

6 Getting connected .......................................................... 51
  6.1 Connecting to the Internet ........................................... 51
  6.2 Chrome ................................................................. 54
  6.3 Connecting to Bluetooth devices ................................. 54
6.4 Connecting to a computer via USB ...........................55
6.5 To safely remove the microSD card from your phone ...........................................................................56
6.6 Sharing your phone’s mobile data connection 57
6.7 Connecting to virtual private networks ..........58

7 Google Play Store ........................................................................59

8 Multimedia applications .................................................60
8.1 Camera ..............................................................................60
8.2 Photos .............................................................................63
8.3 Play music .......................................................................66
8.4 Video Player ........................................................................68

9 Google Maps ........................................................................69
9.1 Get My Location ..................................................................69
9.2 Search for a location ..........................................................70
9.3 Save a location ..................................................................70
9.4 Open Street View for a location ..........................................71
9.5 Get driving, public transportation or walking directions .................................................................71

10 Others ...............................................................................72
10.1 File Manager ......................................................................72
10.2 Sound Recorder ..................................................................72
10.3 Radio ..................................................................................73

11 Settings ..............................................................................74
11.1 Wireless & networks ..........................................................74
1 Your phone

1.1 Keys and connectors

- Headset connector
- Flash
- Front camera
- Touch screen
- Back key
- Recents key
- Home key
- Micro-USB connector
Recents key

- Touch: this shows your recently-used apps. Touch an app to open it, or swipe it left or right to remove it from the list.
- Long press: this allow you to split the phone screen into two separate screens and lets you choose another recent app to use at the same time. Note: not all apps work in split-screen mode.

Home key

- While on any app or screen, touch the Home key to return to the main Home screen.
- Long press this key to access Google Now & Voice Search.

Back key

- Touch to go back to the previous screen, or to close a dialogue box, options menu, the Notification panel, etc.
Volume keys

• During a call, they adjust the earpiece or headset volume.
• In Music/Video/Streaming mode, they adjust the media volume.
• In general mode, they adjust the ringtone volume.
• Mute the ringtone of an incoming call.

Power key

• Press and hold: Power on/Power off.
• Press: activate the lock screen/wake up the screen.
• Long press: show the pop-up menu to select from Shut down, Restart, Flight mode, Screen capture.
• Long press the Power key and the Volume down key to capture a screenshot.
• In some cases you can scroll down the screenshot to choose which part to capture. Touch ☐ to scroll the phone screen, then ☑ to save the screen capture.
Fingerprint sensor

Put your finger on the sensor to record a fingerprint for identification or authorisation. You must set a screen lock first when you enable this function.

Your fingerprint allows you:

- **Unlock screen**: Unlock your screen by placing the finger on the fingerprint sensor.
- **Quick access**: Open the notification drawer with your preset fingerprint.

To add a fingerprint, touch Settings > Security > Fingerprint, then follow the onscreen instructions.

1. Touch **Continue**.
2. Put your finger on the sensor and lift after you feel a vibration.
3. Move your finger slightly to add all the different parts of your fingerprint to complete the fingerprint acquisition.
4. Touch **DONE**.

You can add more than one fingerprint (your thumb and forefinger, for example, or one for your spouse).
1.2 Getting started

1.2.1 Setup

Removing or installing the back cover

Inserting or removing the SIM card

You must insert your SIM card to make phone calls.

Power off your phone before inserting or removing the SIM card.

Place the SIM card with the chip facing downwards and slide it into its housing. Make sure that it is correctly inserted. To remove the SIM card, press and slide it out.

Your phone only supports nano SIM cards. Do not attempt to insert other SIM types like mini or micro cards, as you may damage your phone.
Inserting or removing the microSD card

Power off your phone before inserting or removing the microSD card.

Place the microSD card with the chip facing downwards and slide it into its housing. Make sure that it is correctly inserted. To remove the microSD card, press and slide it out.

Charging the battery

To charge the battery, connect the charger to your phone and mains socket. You can also charge your phone via a USB cable.

To reduce your phone’s power consumption, switch off Wi-Fi, GPS, Bluetooth or apps running in the background when not needed. In Settings you can also lower the brightness of the screen, and shorten the length of time before the screen goes to sleep.
1.2.2  Power on your phone

Hold down the **Power** key until the phone powers on. It will take a few seconds before the screen lights up. Swipe to unlock your phone, or use the PIN, Password, Pattern if you have set this up already, or touch fingerprint sensor with your signed fingerprint. The Home screen will display.

If you do not know your PIN code or if you have forgotten it, contact your network operator. Do not leave your PIN code with your phone. Store this information in a safe place when not in use.

**Set up your phone for the first time**

The first time you power on the phone you will be asked to set the following options: language, Google account, date & time, etc.

1. Select the phone’s language, then touch **GET STARTED**.
2. Insert a SIM card or touch **SKIP**.
3. Touch ⌚ or 🕒 to set up your phone.
4. Select a Wi-Fi network, or touch ✅ and then **CONTINUE**.
5. Touch the switch ☐ on/off to select **Google services**, once finished, then touch **NEXT**.
6. Adjust **Date & time** if needed, then touch **NEXT**.
7. Input your **Name**, then touch **NEXT**.
8. Protect your phone, touch 🛡 to set screen lock now. Or touch ✅ to move to next setup.
9. Set up your email, or touch ✅ to move to next setup.
10. Improve your phone by sending anonymous diagnostics and usage data, touch **NEXT**.
11. **Select a home screen**, then touch **NEXT**.
12. Touch the switch on/off to enable/disable the showing of **Help tips**, then touch **NEXT**.

When the other options (**Font size, Display size, and etc**) are also configured, you will have completed setting up your phone.
If you power on your phone with no SIM card inserted, you will still be able to connect to a Wi-Fi network to sign into your Google account and to use some features.

1.2.3 Power off your phone

Hold down the Power key from the Home screen until the Phone options appear, then select Shut down.

1.3 Home screen

Your phone has two kinds of Home screen that you can use: the standard Home and the Simple Home screen.

You can set this when you first turn the phone on, or by touching Settings > Display > Home screen.

In the simplified Home screen, all the features you need, are presented in an intuitive and attractive design.

Touching the Home key always takes you to your main Home screen, and you can personalise all your Home screens by adding your favourite apps, shortcuts and widgets to them.
In the standard Home screen the bottom set of icons is always visible, whichever of your Home pages you are on. This also includes the Application tab, which will show all your available apps.

**Status bar**
- Status/Notification indicators
- Touch and drag down to open the Notification panel

**Google Search bar**
- Touch \(a\) to enter text search screen
- Touch \(b\) to enter voice search screen

**Favourite tray apps**
- Touch to enter the app
- Long press to move or change apps

**Application tab**
- Touch to open All apps

The Home screen extends on either side of the screen to allow more space for adding apps, shortcuts, etc. Slide the Home screen horizontally left and right to get a complete view of the Home screen. The white spot in the lower part of the screen indicates which screen you are viewing.

In the standard Home screen, you can slide right to access your favourite app (which is set to Smart tips). You can change this to open a different app by touching **Settings > Display > Favourite Home screen app.**
1.3.1 Using the touchscreen

Touch
To access an app, touch it with your finger.

Long press
Long press the Home screen to access the available options for setting the wallpaper.

Drag
Long press an item to be able to drag it to another location.

Slide/Swipe
Slide the screen to scroll up and down lists, screens of apps, images, web pages, etc.

Flick
Similar to swiping, but flicking makes it move quicker.

Pinch/Spread
Place your fingers of one hand on the screen surface and draw them apart or together to scale an element on the screen.

Rotate
Automatically change the screen orientation from portrait to landscape by turning the phone sideways.

1.3.2 Status bar
From status bar, you can view both phone status (on the right side) and notification information (on the left side).
### Status icons

<table>
<thead>
<tr>
<th>Icon</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="GPRS" /></td>
<td>GPRS connected</td>
</tr>
<tr>
<td><img src="image" alt="GPS" /></td>
<td>GPS is on</td>
</tr>
<tr>
<td><img src="image" alt="EDGE" /></td>
<td>EDGE connected</td>
</tr>
<tr>
<td><img src="image" alt="No SIM card" /></td>
<td>No SIM card inserted</td>
</tr>
<tr>
<td><img src="image" alt="3G" /></td>
<td>3G connected</td>
</tr>
<tr>
<td><img src="image" alt="Vibrate" /></td>
<td>Vibrate mode</td>
</tr>
<tr>
<td><img src="image" alt="4G" /></td>
<td>4G connected</td>
</tr>
<tr>
<td><img src="image" alt="Ringer silenced" /></td>
<td>Ringer is silenced</td>
</tr>
<tr>
<td><img src="image" alt="HSDPA" /></td>
<td>HSDPA (3G) connected</td>
</tr>
<tr>
<td><img src="image" alt="Do not disturb" /></td>
<td>Do not disturb mode</td>
</tr>
<tr>
<td><img src="image" alt="HSPA" /></td>
<td>HSPA (3G) connected</td>
</tr>
<tr>
<td><img src="image" alt="Phone microphone muted" /></td>
<td>Phone microphone muted</td>
</tr>
<tr>
<td><img src="image" alt="Data roaming" /></td>
<td>Data roaming</td>
</tr>
<tr>
<td><img src="image" alt="Battery very low" /></td>
<td>Battery is very low</td>
</tr>
<tr>
<td><img src="image" alt="Signal strength" /></td>
<td>Signal strength</td>
</tr>
<tr>
<td><img src="image" alt="Battery low" /></td>
<td>Battery is low</td>
</tr>
<tr>
<td><img src="image" alt="Connected to a Wi-Fi network" /></td>
<td>Connected to a Wi-Fi network</td>
</tr>
<tr>
<td><img src="image" alt="Battery partially drained" /></td>
<td>Battery is partially drained</td>
</tr>
<tr>
<td><img src="image" alt="Bluetooth is on" /></td>
<td>Bluetooth is on</td>
</tr>
<tr>
<td><img src="image" alt="Battery full" /></td>
<td>Battery is full</td>
</tr>
<tr>
<td><img src="image" alt="Connected to a Bluetooth device" /></td>
<td>Connected to a Bluetooth device</td>
</tr>
<tr>
<td><img src="image" alt="Battery charging" /></td>
<td>Battery is charging</td>
</tr>
<tr>
<td><img src="image" alt="Flight mode" /></td>
<td>Flight mode</td>
</tr>
<tr>
<td><img src="image" alt="Headset connected" /></td>
<td>Headset connected</td>
</tr>
<tr>
<td><img src="image" alt="Alarm is set" /></td>
<td>Alarm is set</td>
</tr>
<tr>
<td>Notification icons</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------</td>
<td>-------------</td>
</tr>
<tr>
<td><img src="image" alt="New Gmail™ message icon" /></td>
<td>New Gmail™ message</td>
</tr>
<tr>
<td><img src="image" alt="Missed call icon" /></td>
<td>Missed call</td>
</tr>
<tr>
<td><img src="image" alt="New text or multimedia message icon" /></td>
<td>New text or multimedia message</td>
</tr>
<tr>
<td><img src="image" alt="Call on hold icon" /></td>
<td>Call on hold</td>
</tr>
<tr>
<td><img src="image" alt="Problem with SMS or MMS delivery icon" /></td>
<td>Problem with SMS or MMS delivery</td>
</tr>
<tr>
<td><img src="image" alt="Call forwarding is on icon" /></td>
<td>Call forwarding is on</td>
</tr>
<tr>
<td><img src="image" alt="New Hangouts message icon" /></td>
<td>New Hangouts message</td>
</tr>
<tr>
<td><img src="image" alt="Uploading data icon" /></td>
<td>Uploading data</td>
</tr>
<tr>
<td><img src="image" alt="New voicemail icon" /></td>
<td>New voicemail</td>
</tr>
<tr>
<td><img src="image" alt="Download finished icon" /></td>
<td>Download finished</td>
</tr>
<tr>
<td><img src="image" alt="Upcoming event icon" /></td>
<td>Upcoming event</td>
</tr>
<tr>
<td><img src="image" alt="Carrier data use threshold approaching or exceeded icon" /></td>
<td>Carrier data use threshold approaching or exceeded</td>
</tr>
<tr>
<td><img src="image" alt="Data is synchronising icon" /></td>
<td>Data is synchronising</td>
</tr>
<tr>
<td><img src="image" alt="An open Wi-Fi network is available icon" /></td>
<td>An open Wi-Fi network is available</td>
</tr>
<tr>
<td><img src="image" alt="No microSD card installed icon" /></td>
<td>No microSD card installed</td>
</tr>
<tr>
<td><img src="image" alt="Radio is on icon" /></td>
<td>Radio is on</td>
</tr>
<tr>
<td><img src="image" alt="Screenshot error icon" /></td>
<td>Screenshot error</td>
</tr>
<tr>
<td><img src="image" alt="System update available icon" /></td>
<td>System update available</td>
</tr>
<tr>
<td><img src="image" alt="USB tethering is on icon" /></td>
<td>USB tethering is on</td>
</tr>
<tr>
<td><img src="image" alt="Connected to VPN icon" /></td>
<td>Connected to VPN</td>
</tr>
<tr>
<td><img src="image" alt="Portable Wi-Fi hotspot is on icon" /></td>
<td>Portable Wi-Fi hotspot is on</td>
</tr>
<tr>
<td><img src="image" alt="International Roaming is enabled icon" /></td>
<td>International Roaming is enabled</td>
</tr>
<tr>
<td><img src="image" alt="Call in progress icon" /></td>
<td>Call in progress</td>
</tr>
<tr>
<td><img src="image" alt="International Roaming is disabled icon" /></td>
<td>International Roaming is disabled</td>
</tr>
</tbody>
</table>
Notification panel

Touch and drag down the Status bar to open the Quick settings panel and drag down again to open the Quick settings panel. Touch and drag up to close it. From the Notification panel, you can open items and other reminders indicated by notification icons or view wireless service information.

Touch a notification and slide it sideways to delete it. Touch CLEAR ALL to clear all event–based notifications (other ongoing notifications will remain). Touch the Settings icon to access Settings.

The customised picture will show if you set up your profile in the Contacts application. (1)

(1) Please refer to "3.3.1 View your contacts"
1.3.3 Search bar

The phone provides a Search function which can be used to find the information you want on your phone, in your applications or on the web.

Search bar

Search by text

- Touch the Search bar from the Home screen.
- Enter the text/phrase you want to search for.
- Touch 🕵️ on the keyboard if you want to search on the web.

Search by voice

- Touch 🔊 from the Search bar to display a dialogue screen.
- Speak the word/phrase you want to search for. A list of search results will display for you to select from.
1.3.4 Lock/Unlock your screen

To protect your phone and privacy, you can lock your phone screen with a variety of patterns, PIN or password, etc. through Settings > Security > Screen lock.

To create a screen unlock pattern (follow the onscreen instructions)

• Touch Settings > Security > Screen lock > Pattern.
• Draw your own pattern.

To create a screen unlock PIN/Password

• Touch Settings > Security > Screen lock > PIN or Password.
• Set your PIN or password.

To lock phone screen

Press the Power key once to lock the screen.
To unlock phone screen

Press the **Power** key once to light up the screen, draw the unlock pattern you have created or enter PIN or password to unlock the screen.

If you have chosen **Swipe** as the screen lock, slide upward to unlock the screen.

![Unlock screen](image)

1.3.5 **Personalise your Home screen**

**Add an app or widget**

Touch the Application tab (⋮), then long press the app to activate the Move mode, and drag the item to any Home screen.

**Reposition an app or widget**

Long press the item to be repositioned to activate the Move mode, drag the item to the desired position and then release. You can move items both on the Home screen and the Favourites tray. Hold the icon on the left or right edge of the screen to drag the item to another Home screen.
Remove
Long press the item to be removed to activate the Move mode, drag the item up to the top of Remove icon, and release after the item turns grey.

Create folders
To make it easier to organise apps and shortcuts on the Home screen and the Favourite tray, you can add them to a folder by stacking one item on top of another. To rename a folder, open it and touch the folder’s title bar to input the new name.

Wallpaper customisation
Long press an empty area on the Home screen or go to Settings > Display > Wallpaper to customise your wallpaper.

1.3.6 Volume adjustment

Using volume key
Press Volume key to adjust the volume. To activate the vibrate mode, press the Volume down key until the phone vibrates. Press the Volume down key once more to activate the silent mode.

Using Settings menu
Drag down twice from the notification panel and touch the settings icon to open Settings, then touch Sound. You can set the volume of Media, Alarm, Ring and etc. to your preference.
2  Text input

2.1  Using the onscreen keyboard

Onscreen keyboard settings

Touch the Application tab from the Home screen, select **Settings > Language & input**.

Adjust the onscreen keyboard orientation

Turn the phone sideways or upright to adjust the Onscreen Keyboard orientation. You can also adjust it by changing the settings (go to **Settings > Display > When device is rotated > Rotate the contents of the screen**).

2.1.1  Google keyboard

Touch to switch between "abc/Abc" mode; Double tap to switch between "abc/ABC" mode

Long press, then select to enter symbols/emoticons

Touch to enter text or numbers

Touch to switch between the symbol and numeric keyboard
2.2 Text editing

You can edit the text you have entered.

- Long press or double touch the text you want to edit.
- Drag the tabs to change the highlighted selection.
- The following options will show: **CUT, COPY, SHARE, ASSIST** and **TRANSLATE**.

You can also insert new text

- Touch where you want to type, or long press a blank space, the cursor will blink and the tab will show. Drag the tab to move the cursor.

- If you have selected any text, touch the tab to show **PASTE** which allows you to paste any text you have previously copied.
3 Phone call, Call log & People

3.1 Phone call

3.1.1 Placing a call

To make a call when the phone is active, go to the Home screen and touch the Phone icon in the Favourites tray.

Touch to show the dial pad

Long press to access voicemail
Enter the number you want from the dial pad directly or select a contact from **CALLS** or **CONTACTS** by touching tabs, then touch ✆ to place the call.

The number you entered can be saved to **Contacts** by touching ☐ and select **Add to contacts**.

If you make a mistake, you can delete the incorrect digits by touching ⌂.

To hang up a call, touch ☐.

**International call**

To dial an international call, long press 0 to enter "+", then enter the international country prefix followed by the full phone number and finally touch ✆.

**Emergency call**

If your phone has network coverage, dial the emergency number and touch ☐ to make an emergency call. This works even without a SIM card and without typing the PIN code.
3.1.2 Answering or rejecting a call

When you receive a call, a call window will be presented on top of the screen. Touch **DISMISS** to dismiss a call or **ANSWER** to answer a call.

Touch the call window to open the Phone call screen.

On the Phone call screen, touch 📞
- Slide the icon right to answer the call;
- Slide the icon left to reject the call;
- Slide the icon down to reject the call by sending a preset message.

To mute incoming calls, press the **Volume up/down** key.
3.1.3 Calling your voicemail

Your voicemail is provided by your network to avoid missing calls. It works like an answering machine that you can access at any time.

To listen to your voicemail, long press 1 on Phone tab.

To set your voicemail number, touch key and touch Settings > Phone > Call Settings > Voicemail.

If you receive a voicemail, a voicemail ••• icon appears on the Status bar. Open the Notification panel, touch New voicemail.

3.1.4 During a call

To adjust the volume during a call, press the Volume up/down key.

Touch to hold the current call. Touch this icon again to retrieve the call.

Touch to display the dial pad.

Touch to end the current call.
Touch to mute the current call. Touch this icon again to unmute the call.

Touch to share video during the call.

Touch to activate the speaker during the current call. Touch this icon again to deactivate the speaker.

Touch to place a call to another contact.

To avoid accidentally pressing the touchscreen during a call, the screen will be locked automatically when you put your phone close to your ear; and it will be unlocked when the phone is taken away from your ear.

3.1.5 Managing multiple calls

With this phone you can handle multiple calls at the same time.

Conference calls

You can set up a conference call.

• Place a call to the first participant of the conference call.

• Touch + .

• Enter the phone number of the person you want to add to conference and touch ✆. You can also add participants from CALLS or CONTACTS.

• Touch the menu icon then Merge calls to start a conference call.

• During a conference call, touch ⌁ to drop a participant or to talk privately to one of the participants. Touch ⌁ to drop the participant from the conference, or touch ⌁ to talk privately to the participant and put the other participants on hold.

• Touch ⌁ to end the conference call and disconnect all callers.

(1) Depending on your network operator.
3.1.6 Call settings

From the phone screen, touch the ; key and select Settings. The following options are available:

Look & Feel

• Display Options

Sort by Touch to set the contacts display to First name or Last name.

Name format Touch to set the name format to First name first or Last name first.

Call

• Service Options

Enable Call+ & Message+ service Mark the checkbox to enable Call+ & Message+ service.

• Add video to the call

"Add video to the call" is enabled when connected on WiFi and 4G.

Enable on 3G/HSPA Mark the checkbox to enable "Add video to the call" when connected to 3G/HSPA

• Say why you called notification

Mark the check box to enable sending "why you called" messages after a call is not answered.

• "Sent via Call+" signature

Mark the checkbox to enable "Sent via Call+" signature when sending an SMS after an unanswered call.

• Automatic download

All automatic download settings will be applicable to both Call+ and Message+ sharing.
When connected to Wi-Fi  Mark the checkbox to allow automatically downloading media files when the device is connected to Wi-Fi.

When using mobile data  Mark the checkbox to allow automatically downloading media files when the device is using mobile data.

When roaming  Mark the checkbox to allow automatically downloading media files when roaming.

• Edit quick messages after call
Touch to edit quick messages after a call.

Phone
• Call Settings
1. Voicemail
Service  Opens a dialogue box where you can select your carrier’s voicemail service or another service.

Setup  If you are using your carrier’s voicemail service, this opens a dialogue box where you can enter the phone number to use for listening to and managing your voicemail.

Sound  Touch to select the notification sound.

Vibrate  Mark the check box to enable vibration when a voicemail is received.

2. Fixed dialling numbers
Fixed Dialling Number (FDN) is a service mode of SIM, where outgoing calls are restricted to a set of phone numbers. These numbers are added to the FDN list. The most common practical application of FDN is for parents to restrict the phone numbers which their children can dial.

For security reasons, you’ll be prompted to enable FDN by entering SIM PIN2 which is usually acquired from your service provider or SIM maker.
3. Call forwarding
Touch to configure whether your calls are always forwarded or only when you are busy, unanswered or unreachable.

4. Call barring
You can activate or deactivate the call barring for outgoing and incoming calls. The various options are:

**All outgoing calls**  All outgoing calls are barred.

**International outgoing calls**  Outgoing international calls are barred.

**International outgoing calls while roaming**  Outgoing international calls are barred when you are abroad.

**All incoming calls**  All incoming calls are barred.

**Incoming calls while roaming**  Incoming calls are barred when you are abroad.

**Cancel all**  Deactivate all call barring.

**Change barring password**  Change the original barring password for activating call barring.

5. Additional settings

**Caller ID**  Opens a dialogue box where you can set whether your phone number is displayed when making calls.

**Call waiting**  Mark the check box to notify you of a new incoming call.

6. WiFi Calling

Touch the switch to enable/disable WiFi Calling.

(1) Depending on your country and operator.
• Sounds and vibrations

Media volume Slide to adjust your phone's media volume.
Alarm volume Slide to adjust your phone's alarm volume.
Ring volume Slide to adjust your phone's ring volume.
Also vibrate for calls Touch the switch to activate vibration when a call is received.
Dot not disturb Touch to enter Dot not disturb settings.
Phone ringtone Touch to set your phone's ringtone.
Default notification ringtone Touch to set your phone's default notification ringtone.
Default alarm ringtone Touch to set your phone's default alarm ringtone.
Other sounds Touch to set your phone's other sounds such as dial pad tones, screen locking sounds, touch sounds, and vibration on tap.

• Quick responses

Touch to edit quick responses which will be used when you reject a call with messages.

• Accessibility

TTY mode Touch to configure TTY mode settings.
Noise Reduction Mark the checkbox to suppress your background noise during calls.

Help

Touch to learn more about Call+ & Message+.

Web Access

Touch to set web access of Call+ & Message+. 
3.2 Recents
You can view your call history by touching  from the Phone screen to view your call history.

Touch ··· beside a contact or number to view information or further operations.

You can view detailed information of a call, launch a new call or send messages to a contact or number, or add numbers to Contacts (only available for unsaved phone numbers), etc.

Touch the photo  to add numbers to Contacts.

To clear the entire call memory, touch key from the phone screen and touch Clear call history.

3.3 Contacts
You can view and create contacts on your phone and synchronise these with your Gmail contacts or other apps on the web or on your phone.

3.3.1 View your contacts
To access the Contacts app, touch the Application tab on the Home screen, then select Contacts.
After setting up your profile, your picture will show and the icon in quick settings screen will vary together.

Touch the key to display the contacts list option menu.

Following options are available:

- **Contacts to display**  
  Choose which contacts to display.

- **Import/Export**  
  Import or export contacts between phone, SIM card, and microSD card, or share contacts.

- **Blocked numbers**  
  Add numbers as blocked numbers, then you won't receive calls and texts from them any more.

- **Accounts**  
  Manage the synchronisation settings for different accounts.

- **Settings**  
  Open the contact display settings.

### 3.3.2 Adding a contact

Touch the Application tab on the Home screen, select **Contacts**, then touch the icon in the contact list to create a new contact.
When you're finished, touch ✅ to save.

To exit without saving, you can touch ⬅️ and then **DISCARD**.

**Add to/remove from Favourites**

To add a contact to favourites, you can touch a contact to view details then touch ⭐️ to add the contact to favourites.

To remove a contact from favourites, touch ⭐️ on contact details screen.

Only phone and account contacts can be added to favourites.

3.3.3 **Editing your contacts**

To edit contact information, touch ✒️ key in the contact details screen. When finished, touch ✅.

**Change a contact’s default phone number**

The default phone number (the number which has priority when making a call or sending a message) will always be displayed under the contact name.

To change the default phone number, long press the number you want to set as the default number from the contact’s details screen, then select **Set default**. A 📞 appears before the number.
This choice is only available when the contact has more than one number.

**Delete a contact**

To delete a contact, touch : and touch **Delete** from the contact (details) screen.

💡 The contact you have deleted will also be removed from other applications on the phone or web the next time you synchronise your phone.

### 3.3.4 Communicating with your contacts

From contact details screen you can communicate with your contacts by making a call or sending a message.

To launch a call, touch the phone number.

To send a message, touch the 📨 icon on the right side of the number.

**Use Quick Contact for Android**

Touch a contact’s picture to open Quick Contact for Android, then you can touch the number or the 📨 icon for the way you want to connect.
The icons available on the Quick Contact panel depend on the information you have for the contact and the applications/accounts on your phone.

### 3.3.5 Importing, exporting and sharing contacts

From the Contacts screen, touch the ☰ key to open the options menu, touch **Import/export**, then choose to import/export contacts from/to your SIM card, Phone, microSD card, Phone storage, Accounts, etc.

To import/export a single contact from/to your SIM card, choose an account and target SIM card, select the contact you want to import/export, and touch **Copy** to confirm.

To import/export all contacts from/to your SIM card, choose an account and target SIM card, touch **Select all** and touch **Copy** to confirm.

You can share a single contact or contacts with others via Bluetooth, Gmail, etc.

To do this, touch a contact you want to share, touch the ☰ key and **Share** from the contact details screen, then select the app to perform this action.

### 3.3.6 Displaying contacts

You can configure which group of contacts you want to display in the People list. Touch the ☰ key and then **Contacts to display** from the contacts list screen, then you can choose which contacts to display.

Touch the ☰ key and then **Settings**. You can Sort by First name or Last name, as well as Name format as First name first or Last name first.
3.3.7 Joining/Discarding contacts

To avoid duplicating information you can easily add a new contact's details to an existing contact.

Touch the contact which you want to add information to, touch the  key, then touch the  key in edit screen and touch Link.

Then you'll be asked to choose the contact whose information you want to join with the first contact. The information from the second contact is added to the first one, and the second contact will no longer be displayed in the contacts list.

To separate contact information, touch the contact whose information you want to separate, touch the  key, then touch the  key in the edit screen. Then touch Separate and touch UNLINK to confirm.

3.3.8 Synchronising contacts in multiple accounts

Contacts, data or other information can be synchronised from multiple accounts, depending on the apps installed on your phone.

To add an account, touch  on the Quick settings bar to get to Settings, then touch Accounts > Add account.

You'll be asked to select the kind of account you are adding, like Google, Exchange, etc.

As with other account setups, you need to enter detailed information, like username, password, etc.

You can remove an account and all associated information from the phone. Open the Settings screen, touch the account you want to delete, touch the  key and then select Remove account, and confirm.

Sync

You can synchronise an account on Accounts screen, touch an account in the list, then touch the  key and select Sync now.
4 Messaging & Email

4.1 Message+

Your phone can create, edit and receive chat, SMS and MMS messages.

Go to the Home page and touch the icon in the Favourites tray if available, or touch the Application tab from the Home screen, then touch Message+.

4.1.1 Create a new message

On the message list screen, touch the new message icon to write new text-multimedia messages.

Touch to search in all messages

- Touch to view the whole message thread
- Long press message threads to access other options available with this contact.

Touch to create a new message or a new group chat
Sending a text message

Enter the mobile phone number of the recipient on the recipients' bar or touch ➕ to add recipients, then touch the content bar to enter the text of the message. When you’ve finished, touch ➔ to send the text message.

An SMS of more than 160 characters will be charged as several SMS. Specific letters (like accents, for example) will also increase the size of the SMS, so this may cause multiple SMS to be sent to your recipient.

Sending a multimedia message

MMS enables you to send video clips, images, photos, animations, slides and audio to other compatible phones and e-mail addresses.

An SMS will be converted to MMS automatically when media files (image, video, audio, etc.) are attached or subject or email addresses are added.

To send a multimedia message, enter the recipient’s phone number in the recipients bar, touch content bar to enter the text of the message. Touch 📱 to open attach options, select picture, video, audio or other subjects that you want to add as attachments.

When finished, touch ➔ to send the multimedia message.
Attach options:

- View your Photos, Gallery, or File Manager to select a picture as an attachment.
- Open the Camera to capture a new picture or record a new video for attaching.
- View and select a contact as an attachment.
- View your File Manager to select an audio file or record an instant audio as an attachment.
- Select a photo, video or any other file from your Dropbox for attaching.
- Touch to record an instant video as an attachment.
- Touch to share your location until your set time limit.
- Touch to send fun animated gifs to all your contacts.

4.1.2 Manage messages

When a new message comes, an icon will appear on the status bar as a notification. Drag down the status bar to open the Notification panel, touch the new message to open it. You can also open Message+ and touch the new message to open it.

Messages are displayed as a conversation.

To reply to a message, touch the current message to enter the message-composing screen, enter the text, then touch.

If you long press a message in the message details screen, the following options will be available:
Copy message text Touch to copy the current message content and past it to the current bar of the new message you are going to compose.

Forward Touch to forward the message to another recipient.

Delete message Touch to delete the current message.

4.1.3 Adjust message settings

In the message list screen, touch the ☰ key and select Settings.

Look and Feel

• Font size Touch to set the application font size.
• Background Touch to set a custom background image
• Sort contacts by... Touch to sort contacts by first name or surname.
• Display contact names by... Touch to set contacts to display by first name or surname.
• Show call logs in conversation Mark the checkbox to enable phone logs, messages and media shared during a call to be highlighted.

Chat

• Service options Touch and then mark the checkbox to enable the Call+ & Message+ service.
• Show last active info Mark the checkbox to show last active info. When you hide your last active info, you also won’t be able to see your friends’ last active status.
• Read notifications (chat only) Mark the checkbox to enable sending a notification when a chat message was read.
• Chat profile name Touch to set up the name on your phone.
• Automatic download Touch to enter automatic download settings.
SMS & MMS

• **Allow conversion of long SMS to MMS**
  Mark the checkbox to allow conversion of long SMS to MMS.

• **SMS delivery reports**
  Mark the checkbox to allow request of SMS delivery reports.

• **MMS delivery reports**
  Mark the checkbox to allow request of MMS delivery reports.

• **MMS while roaming**
  Mark the checkbox to enable automatically retrieval of incoming MMS while roaming.

• **Advanced**
  Touch to view more SMS and MMS settings.

Add-Ons

Touch to view Add-Ons.

Notifications

• **Notification sounds**
  Touch to set your sound notification preferences.

• **Notification light**
  Touch to set your notification light preferences.

• **Vibration**
  Mark the checkbox to enable vibration with incoming messages.

• **Group chat notifications**
  Mark the checkbox to enable notification for new group chat messages.

• **Privacy mode**
  Mark the checkbox to turn on privacy mode so the message text and sender will not be displayed for new notifications.

• **Receive Call+ & Message+ information**
  Mark the checkbox to enable the showing of messages about the Call+ & Message+ experience in your box.

Help

Touch to view more information about Call+ & Message+.
4.2 Gmail/Email

The first time you set up your phone, you can select to use an existing Gmail account or to create a new Email account.

4.2.1 Gmail

As Google’s web-based email service, Gmail is configured when you first set up your phone. Gmail on your phone can be automatically synchronised with your Gmail account on the web. Unlike other kinds of email account, each message and its replies in Gmail are grouped in your inbox as a single conversation; all emails are organised by labels instead of folders.

To access Gmail

From the Home screen, touch the Application tab to enter the applications list, then touch Gmail.

Gmail displays messages and conversations from one single Gmail account at a time. If you own more than one account, you can add an account by touching the Settings icon and select Settings from Inbox screen, then touch ADD ACCOUNT. Besides your Gmail account, you can also add or set-up external email accounts by choosing Personal (IMAP/POP) or Exchange. When finished, you can switch to another account by touching the account name from Inbox screen, then select the account you want to view.

To create and send emails

1. Touch from Inbox screen.
2. Enter the recipient(s)’s email address in To field.
3. If necessary, touch the popup menu icon Add Cc/Bcc to add a copy or a blind copy to the message.
4. Enter the subject and the content of the message.
5. Touch icon and select Attach file to add an attachment.
6. Finally, touch the icon to send.
7 If you do not want to send the mail out right away, you can touch the icon and then Save draft or touch the Back key to save a copy. To view the draft, touch your account name to display all labels, then select Drafts.

If you do not want to send or save the mail, you can touch the icon and then touch Discard.

To add a signature to emails, touch the icon and then touch Settings from inbox screen, choose an account, then touch Signature.

To receive and read your emails

When a new email arrives, you will be notified by a ringtone or vibration, and an icon will appear on Status bar.

Touch and drag down the Status bar to display the Notification panel, touch the new email to view it. Or you can also open the Gmail Inbox label and touch the new mail to read it.

You can search for an email by sender, recipient, subject, etc.

• Touch the icon from Inbox screen.
• Enter the keyword you want to search for in the searching box and touch on the software keyboard.

To reply or forward emails

• Reply When viewing an email, touch to reply to it.
• Reply all Touch beside and select Reply all to send a message to all people in a mail loop.
• Forward Touch beside and select Forward to forward the received mail to other people.
4.2.2 Email

Besides your Gmail account, you can also set up external email accounts on your phone.

Touch the Application tab from the Home screen, then select Email.

An email wizard will guide you through the steps to set up an email account.

1 Select your account from the suggested list, and touch NEXT.

2 Enter the email address and password of the account you want to set up.

3 Touch Next. If the account you entered is not provided by your service provider in the phone, you will be prompted to go to the email account settings screen to enter settings manually. Or you can touch MANUAL SETUP to directly enter the incoming and outgoing settings for the email account you are setting up.

4. Set up your account options.

5 Enter the account name and display name in outgoing emails.

6 To add another email account, you can touch key and Settings. Touch Add account to create a new account.

To create and send emails

1 Touch the icon on Inbox screen.

2 Enter recipient(s) email address(es) in the To field.

3 If necessary, touch the behind the To field. and touch Add Cc/Bcc to add a copy or a blind copy to other recipients.

4 Enter the subject and the content of the message.

5 Touch to add an attachment.

6 Finally, touch to send.

7 If you do not want to send the mail right away, you can touch key and Save draft or touch the Back key to save a copy.
5 Calendar, Alarm clock & Calculator

5.1 Calendar

Use Calendar to keep track of important meetings, appointments, etc.

To access this function, touch the Application tab from the Home screen, then touch Calendar.

5.1.1 Multimode view

To change your Calendar view, touch the date title to open the month view, or touch ⬇️ and select Schedule, Day, 3 Day, Week or Month to access different view. Touch the ☐ icon to return to Today’s view.
5.1.2  To create new events

You can add new events from any Calendar view.

• Touch +.
• Fill in all required information for this new event. If it is a whole-day event, you can select **All-day**.

When finished, touch **SAVE** from the top of the screen.

Before you can add an event, you must add at least one Calendar account and make a calendar visible.

To delete or edit an event

To edit or delete an event, touch the 📌 icon to edit the event and touch **Delete** to delete an event.

5.1.3  Event reminder

If a reminder is set for an event, the upcoming event 🕒 icon will appear on the Status bar as a notification when the reminder time arrives.

Touch and drag down the status bar to open the Notification panel, touch event name to view the Calendar notification list.

Touch the **Back** key to keep the reminders pending in the status bar and the Notification panel.
5.2 Clock

Your mobile phone has a built-in clock.

To access this function, touch the Application tab from the Home screen, then touch **Clock**.

Touch 🕒 to add or set an alarm.

5.2.1 To set an alarm

From **Clock** screen, touch 🕒 to enter the **Alarms** screen, then touch + to add a new alarm. Following options will show:

- **Time**
  Touch numbers to set the time for your alarm.

- **Repeat**
  Mark the checkbox to activate **Repeat**, then you can touch to select the days you want alarm to work.

- **Ringtone**
  Touch to select an alarm ringtone.

- **Vibrate**
  Mark the checkbox to activate/deactivate vibration.

- **Label**
  Touch to set a name for the alarm.
Touch an already existing alarm and touch to delete the selected alarm.

5.2.2 To adjust alarm settings

Touch the key from Clock screen. The following options will be available under Settings:

Clock

• Style Touch to set Analogue or Digital style.

• Automatic home clock Touch to switch to set home clock while travelling outside.

• Home time zone Touch to set home time zone.

• Change date & time Touch to set date and time.

Alarms

• Silence after Touch to set time silence.

• Snooze length Touch to choose length of snooze.

• Alarm volume Touch to set alarm volume.

• Gradually increase volume Touch to set gradually increase volume.

• Volume buttons Touch to choose Snooze, Dismiss or Do nothing as volume buttons.

• Start week on Touch to select the first day of a week as per your preference from Saturday, Sunday or Monday.

Timers

• Timer ringtone Touch to select timer ringtone.

• Gradually increase volume Touch to set gradually increase volume.
5.3 Calculator

With Calculator you can solve many mathematical problems. To open it, touch the Application tab from the Home screen, then touch Calculator.

There are two panels available: Basic panel and Advanced panel. To switch between panels, select one of the following two ways:

- Touch and drag the basic screen to the left to open the Advanced panel.
- Or turn the phone to the landscape mode from the basic panel to open the Advanced panel (1).

To view the calculation history, drag down the screen.

(1) If “Settings\Display\When device is rotated\Stay in portrait view” is on, this item will not display.
6 Getting connected

Your phone can connect to the Internet using either GPRS/EDGE/3G/4G or Wi-Fi.

6.1 Connecting to the Internet

6.1.1 GPRS/EDGE/3G/4G

The first time you turn on your phone with the SIM card inserted, it will automatically configure a mobile network service: GPRS, EDGE, 3G or 4G. If the network is not connected, you can turn on Mobile data on Settings > Data usage.

To check the network connection you are using, touch the Application tab on the Home screen, then touch Settings > More > Mobile networks > Access point names or Network operators.

To create a new access point

A new mobile network connection can be added to your phone with the following steps:

1. Touch on the Quick settings bar to get to Settings.
3. Then touch key to add new APN.
4. Enter the required APN information.
5. When finished, touch the key and Save.
To activate/deactivate Data roaming

When roaming, you can decide to connect/disconnect to a data service.

1 Touch ☰ on the Quick settings bar to get to Settings.

2 Touch More > Mobile networks.

3 Touch the switch ○ to activate or deactivate data roaming.

4 When Data roaming is deactivated, you can still perform data exchange with a Wi-Fi connection (see "6.1.2 Wi-Fi").

When you are abroad, a fixed panel will appear in the notification drawer to allow you to enable or disable the service.

6.1.2 Wi-Fi

You can connect to the Internet when your phone is within range of a wireless network. Wi-Fi can be used on your phone even without a SIM card inserted.

To turn Wi-Fi on and connect to a wireless network

1 Touch ☰ on the Quick settings bar to get to Settings, then touch Wi-Fi.

2 Touch the switch ○ to turn on/off Wi-Fi.
3 Turn on Wi-Fi: detailed information of all detected Wi-Fi networks is displayed in the Wi-Fi networks section.

4 Touch a Wi-Fi network to connect to it. If the network you selected is secured, you'll need to enter a password or other credentials (contact network operator for details). When you're finished, touch CONNECT.

**To add a Wi-Fi network**

When Wi-Fi is on, you can add new Wi-Fi networks.

1 Touch ⚙ on the Quick settings bar to get to Settings.
2 Touch Wi-Fi, and then touch Add network.
3 Enter the name of the network and any required network information.
4 Touch CONNECT.

When successfully connected, your phone will be connected automatically the next time you are within range of this network.

**To forget a Wi-Fi network**

The following steps prevent automatic connections to networks which you no longer wish to use.

1 Turn on Wi-Fi, if it's not already on.
2 In the Wi-Fi screen, long press the name of the saved network.
3 Touch FORGET.
6.2 Chrome

Using the Chrome browser you can enjoy surfing the Web.

To get onto the Web, go to the Home screen and touch the Chrome icon in the Favourites tray.

To go to a web page

On the Chrome browser screen, touch the URL box at the top, enter the address of the web page, then touch to confirm.

6.3 Connecting to Bluetooth devices

Bluetooth is a short-range wireless communication technology that you can use to exchange data, or connect to other Bluetooth devices for various uses.

To access this function, touch on the Quick settings bar to get to Settings, then touch Bluetooth. Your device and other available ones will show on the screen.

To turn on Bluetooth

1 Touch on the Quick settings bar to get to Settings, then touch Bluetooth.

2 Touch to activate/deactivate this function.
To make your phone more recognisable, you can give your phone a new name which will be visible to others.

1. Touch ⬇ on the Quick settings bar to get to Settings.
2. Touch Bluetooth.
3. Touch the ⚙ key and select Rename this device.
4. Enter a name, and touch RENAME to confirm.

To pair/connect your phone with a Bluetooth device

To exchange data with another device, you need to turn Bluetooth on and pair your phone with the Bluetooth device with which you want to exchange data.

1. Touch ⬇ on the Quick settings bar to get to Settings.
2. Touch Bluetooth.
3. Touch a Bluetooth device you want to be paired with in the list.
4. A dialogue will pop up touch PAIR to confirm.
5. If the pairing is successful, your phone connects to the device.

To disconnect/unpair from a Bluetooth device

1. Touch ⬇ after the device name you want to unpair.
2. Touch FORGET.

6.4 Connecting to a computer via USB

With the USB cable, you can transfer media files and other files between your phone and computer.

To connect:

- Use the USB cable that came with your phone to connect the phone to a USB port on your computer. You will receive a notification that the USB is connected.

- Open the Notification panel and touch USB for file transfer, then, in the next dialogue, choose the way in which you want to transfer files.
To locate data you have transferred or downloaded in the internal storage:

1. Touch the Application tab from the Home screen to open the apps list.
2. Touch File Manager.

All data you have downloaded is stored in File Manager, where you can view media files (videos, photos, music and others), rename files, install apps onto your phone, etc.

6.5 To safely remove the microSD card from your phone

The microSD card can be removed from your phone any time the phone is powered off. To remove the microSD card while the phone is on, you must unmount the storage card from the phone first, to prevent corrupting or damaging the storage card.

To remove a microSD card

1. Touch ☰ on the Quick settings bar to get to Settings.
2. Touch Storage > SD card.
3. Touch ☸ and select Storage settings.
4. Touch the EJECT button to confirm.

Additionally, you can simply touch the icon besides the SD card to eject it.

With either way, you can safely remove the microSD card from the phone.

To format a microSD card

1. Touch ☰ on the Quick settings bar to get to Settings.
2. Touch Storage > SD card.
3. Touch ☸ and select Storage settings > Format.
4. Touch ERASE & FORMAT to confirm.
6.6 Sharing your phone’s mobile data connection

You can share your phone’s mobile data connection with a single computer via a USB cable (USB tethering) or with up to eight devices at once by turning your phone into a portable Wi-Fi hotspot or via Bluetooth.

Sharing data may incur additional charges from your network operator. Extra fees may also be charged in roaming areas.

To share your phone’s data connection via USB

Use the USB cable that came along with your phone to connect the phone to a USB port on your computer.

1 Touch 🔄 on the Quick settings bar to go to Settings.
2 Touch More > Tethering & portable hotspot.
3 Touch the switch ⏬ beside USB tethering to activate/deactivate this function.

To share your phone’s data connection as a portable Wi-Fi hotspot

1 Touch 🔄 on the Quick settings bar to go to Settings.
2 Touch More > Tethering & portable hotspot > Portable Wi-Fi hotspot.
3 Touch the switch ⏬ to activate/deactivate this function.

To share your phone’s data connection via Bluetooth

1 Touch 🔄 on the Quick settings bar to go to Settings.
2 Touch More > Tethering & portable hotspot.
3 Touch the switch ⏬ beside Bluetooth tethering to activate/deactivate this function.

To rename or secure your portable hotspot

When Portable Wi-Fi hotspot is activated, you can change the name of your phone’s Wi-Fi network (SSID) and secure its Wi-Fi network.

1 Touch 🔄 on the Quick settings bar to go to Settings.
6.7 Connecting to virtual private networks

Virtual private networks (VPNs) allow you to connect to the resources inside a secured local network from outside that network. VPNs are commonly deployed by corporations, schools, and other institutions so that their users can access local network resources when not inside that network, or when connected to a wireless network.

To add a VPN

1. Touch \( \text{More} > \text{VPN} \) on the Quick settings bar to get to Settings.
2. Touch \( \text{More} > \text{VPN} \) and then touch \( + \).
3. In the screen that opens, follow the instructions from your network administrator to configure each component of the VPN settings.
4. Touch SAVE.

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

Before adding a VPN, you should set a lock screen pattern, PIN code or password for your phone.

To connect/disconnect to a VPN

To connect to a VPN:

1. Touch \( \text{More} > \text{VPN} \).
2. Touch \( \text{More} > \text{VPN} \).
3. VPNs you have added are listed; touch the VPN you want to connect with.
4. In the dialogue that opens, enter any requested credentials and touch CONNECT.

To disconnect:

- Open the Notification panel and touch the resulting notification for VPN disconnection.
To edit/delete a VPN

To edit a VPN:
1 Touch ⬆️ on the Quick settings bar to get to Settings.
2 Touch More > VPN.
3 VPNs you have added are listed; touch the ⬆️ icon next to the VPN you want to edit.
4 After finished, touch SAVE.

To delete:
Touch the ⬆️ icon next to the selected VPN, touch FORGET to delete it.

7 Google Play Store (1)

Google Play Store is an online software store, where you can download and install applications and games to your Android Powered Phone.

• Touch the Application tab from the Home screen, then touch Play Store.

• For the first time you access Google Play Store, a screen with terms of service will appear. Touch ACCEPT to continue.

Touch the ☐️ icon and then select Help&Feedback to enter Google Play Store help page for more information on this function.

(1) Depending on your country and operator.
8 Multimedia applications

8.1 Camera

Your mobile phone is fitted with a Camera for taking photos and shooting videos.

Before using the Camera, be sure to remove the protective lens cover before use to avoid it affecting your picture quality.

To take a photo when your phone is active, touch the Camera icon in the Favourites tray on your Home screen.

If the phone is locked, press the Power button and then swipe the camera icon to the left to open the camera.

To take a picture

The screen acts as the viewfinder. First position the object or landscape in the viewfinder, touch icon to take the picture which will be automatically saved.

To shoot a video

Slide to swith camera mode to Video and touch the red spot in the bottom centre of the screen to start recording a video. Touch to take the picture which will be automatically saved.
Touch 🎬 to pause video recording and touch 🎬 to continue.
Touch 🎬 to stop recording. The video will be automatically saved.

### 8.1.1 Camera settings

Before taking a photo/shooting a video, touch the 📷 icon and below options will display for you to choose from:

#### Modes

- **Photo** mode to take a picture.
- **Video** mode to record a video.
- **Pano** mode. Touch the shutter button to start taking panoramic photo and move the phone steadily along the direction indicated by the onscreen line. Once the preview frame is filled, the phone will automatically save the photo.

- Allows you to take full control of the camera settings, letting you adjust aperture, shutter, ISO and more.
- Allows you to create impressive and immersive 360-degree panorama pictures you can share on Facebook.
- Allows you to create time lapse videos by capturing a series of photos over a period of time and replay them at a faster speed.
- Allows you to create a short video which could be easily and quickly shared on social networks.
Touch to edit favourite/other modes. Favourite modes can easily be accessed by swiping horizontally in the view finder. Other modes can be accessed from the modes screen.

Touch to access camera settings and below options will display for you to choose from:

<table>
<thead>
<tr>
<th>Photo</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>• Photo size (rear)</td>
<td>Touch to select photo size.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Video</th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>• Video quality (rear)</td>
<td>Touch to select either HD or VGA for video quality.</td>
<td></td>
</tr>
<tr>
<td>• Anti shake</td>
<td>Touch the switch to anti shake.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>General</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>• Grid</td>
<td>Touch the switch to set/cancel grid in camera screen.</td>
<td></td>
</tr>
<tr>
<td>• Edit modes</td>
<td>Touch to edit camera modes.</td>
<td></td>
</tr>
<tr>
<td>• Grid</td>
<td>Touch the switch to set/cancel grid in camera screen.</td>
<td></td>
</tr>
<tr>
<td>• Shutter sound</td>
<td>Touch the switch to activate/deactivate shutter sound while taking pictures.</td>
<td></td>
</tr>
<tr>
<td>• GPS tagging</td>
<td>Touch the switch to enable/disable GAP tagging function.</td>
<td></td>
</tr>
<tr>
<td>• Volume key control</td>
<td>Touch to choose from Shutter, Zoom and Off.</td>
<td></td>
</tr>
<tr>
<td>• Camera quick launch</td>
<td>Touch the switch to enable/disable camera quick launch by double pressing volume key when in sleep or lock screen.</td>
<td></td>
</tr>
<tr>
<td>• Storage</td>
<td>Touch to select either Phone or SD card for pictures/videos storage.</td>
<td></td>
</tr>
</tbody>
</table>
• **Zoom**
  Touch the switch 
  to enable/disable zoom function.

• **Reset to factory settings**
  Touch to reset Camera to factory settings.

## 8.2 Photos

Photos acts as a media player for you to view photos and playback videos.

To open your Photos, touch the Application tab from the Home screen, then touch **Photos**.

![Google Photos](image)

Slide upward or downward to view more albums.
To view a picture/play a video

Pictures and videos are displayed by albums in **Gallery**.

- Touch an album and all pictures or videos will show on the screen.
- Touch the picture/video directly to view or play it.
- Slide upward/downward to view previous or next pictures/videos.

**Editing pictures**

You can edit pictures, add effects, crop, share, and set them as contact photo or wallpaper.

Select the picture you want to work on and touch the options available such as edit, share, crop or delete. Touch the : for more options.
Touch to access available options.

Touch to share the picture through selected apps.

Touch to edit the picture.

Touch to view details of the picture.

Touch to delete the picture.

Touch ✍️ in the full-screen picture view to edit a picture.

Touch to add effects such as Original, Auto, West etc.

Touch to adjust picture settings such as Exposure, vignette, etc.

Touch to crop or rotate the picture.
After activating the crop mode, the cropping square appears in the middle of the picture. Select the portion to crop, touch done to confirm and **Save**, or touch ✗ icon to cancel.

### 8.3 Play music

You can play music files stored on the microSD card in your phone. Music files can be downloaded from computer to microSD card using a USB cable.

To play your music, touch the Application tab from the Home screen, then touch **Play Music**.

You will find four categories in which all songs are classified: **PLAYLISTS, ARTISTS, ALBUMS, SONGS** and **GENRES**. Slide left and right to see them all. Touch **SHUFFLE ALL** to shuffle all songs.
8.3.1 Playing music

Touch a song to play it.

- Touch to search music
- Touch to select Listen now or Music Library
- Touch to play the current playlist in shuffle mode (tracks are played in random order)
- Touch to pause/resume playback

Touch key to get to Settings

ACCOUNT

Touch to choose an account.

PLAYBACK

Equaliser Touch to adjust audio settings.

ABOUT PLAY MUSIC

Open-source licences Touch to read licences came with the app.

Version Check which version of Music you have.

While playing songs with Music you can still Pause, Play or Skip your music even if the screen is locked.

Touch ⚫ when a song is highlighted for the following options:
Play next  Touch to play the song you choose next.
Add to queue  Touch to add the song into the now-playing queue.
Add to playlist  Touch to add to a playlist.
Go to artist  Touch to go to artist.
Go to album  Touch to go to album.
Delete  Touch to delete the song.

8.4 Video Player

To play a video, touch the Application tab from the Home screen, then touch Video Player.

Video Player is a small built-in video player that lists all your videos.

Touch an item from the list to play. While playing, touch a point on the timeline to jump to and play from.
9 Google Maps

9.1 Get My Location

9.1.1 Turn on GPS
To turn on your phone’s global positioning system (GPS) satellite receiver:

1 Touch 🌒 on the Quick settings bar to go to Settings.
2 Touch Location.
3 Touch the switch beside Location and choose location mode you preferred.

9.1.2 Open Google Maps and view My Location
Touch the Application tab from the Home screen, then touch Maps.

Touch the 📍 icon on the map to view My Location.
The map will then centre on a blue dot. Your actual position will be at the blue dot.

To move the map, drag the map with your finger.
To zoom in and out of a map, pinch or spread your fingers, or you can also zoom in by double-tapping a location on screen.
9.2 Search for a location

In the search box, enter an address, a city or a local business. Touch the search icon to search, and in a while your search results will appear on the map as red dots. You can touch one to show a label.

![Map screenshot showing search results]

9.3 Save a location

Just like bookmarking a web address on the Internet, you can save any position on the map for later use. Just touch the red drop icon to bring up a menu about the location, then touch the SAVE icon to save it.

If there is no icon on the point you want to save, tap and hold on that location on the screen to create one.
9.4 Open Street View for a location

1. Long press a location to display its address at the bottom of the maps screen.
2. Drag up the details screen to sign in to save offline.
3. Touch Street view if there's any.

9.5 Get driving, public transportation or walking directions

9.5.1 Get suggested routes for your trip

Touch icon from Maps screen.

1. Touch enter bar to edit your start point by entering an address or selecting a saved item.
2. Do likewise for your end point.
3. To reverse directions, touch .
4. Then select a transport mode: driving by car, using public transportation, or walking directions.
5. Touch Route options to select Avoid motorways, Avoid toll roads or Avoid ferries.
6. A couple of suggested routes will appear in a list. Touch any route to view its respective detailed direction.
10 Others

10.1 File Manager

To access this function, touch the Application tab from the Home screen, then touch File Manager.

File Manager works with both microSD card and phone storage.

File Manager displays all data stored on both microSD card and phone storage, including applications, media files; videos, pictures or audios you have captured; other data transferred via Bluetooth, USB cable, etc.

When you download an application from PC to microSD card, you can locate the application on File Manager, then touch it to install it in your phone.

File Manager allows you to perform and be really efficient with the following common operations: create (sub) folder, open folder/file, view, rename, move, copy, delete, play, share, etc.

10.2 Sound Recorder

To record a sound or voice memo, touch the Application tab from the Home screen, then touch Sound Recorder.
10.3 Radio

Your phone is equipped with a radio (1). You can use the application as a traditional radio with saved channels or with parallel visual information related to the radio program on the display if you turn to stations that offer Visual Radio service.

To listen to the radio, touch the Application tab from the Home screen, then touch Radio.

Please insert a headset to listen to the radio. The headset is used as an antenna for the radio.

Available options:

- **Save channel**  
  Save the current tuned station to the channels list.

- **Scan channels**  
  Scan all channels.

- **Delete**  
  Delete the channel.

- **Enter frequency**  
  Enter the frequency manually.

- **Station info**  
  Mark the checkbox to view the station info.

- **Exit**  
  Turn off the radio and exit radio application.

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(1) The quality of the radio depends on the coverage of the radio station in that particular area.
11 Settings

Drag down twice from the Notification panel and touch the Settings icon to access Settings.

11.1 Wireless & networks

11.1.1 Wi-Fi

Using Wi-Fi you can now surf the Internet without using your SIM card whenever you are in range of a wireless network. The only thing you have to do is to enter the Wi-Fi screen and configure an access point to connect your phone to the wireless network.

For detailed instructions on using Wi-Fi, please refer to "6.1.2 Wi-Fi".

11.1.2 Bluetooth

Bluetooth allows your phone to exchange data (videos, images, music, etc.) in a small range with another Bluetooth supported device (phone, computer, printer, headset, car kit, etc.).

For more information on Bluetooth, please refer to "6.3 Connecting to Bluetooth devices".

11.1.3 Data usage

To enable/disable mobile data by touching the switch .

Touch Billing cycle and then the Set data limit switch, then touch Data limit to set the maximum amount of mobile data that you want to use. Your mobile data connection will be disabled when the specified limit is reached. You can also choose a data usage cycle to view the statistics and related applications of used data by your phone.
Touch the icon, and you can view more settings related to your data usage.

Data usage is measured by your phone, and your carrier may count differently.

11.1.4 More > Flight mode

Use the More > Flight mode to simultaneously disable all wireless connections including Wi-Fi, Bluetooth and more.

You can also select Flight mode in the phone options when pressing Power key.

11.1.5 More>NFC

Touch the switch to allow/disallow data exchange when the phone touched another device.

11.1.6 More>Android Beam

Touch the switch to turn Android Beam on/off.

When this feature is turned on, you can beam app content to another NFC-capable device by holding the devices close together. For example, you can beam Browser pages, YouTube videos, People contacts and more.

Just bring the devices together (typically back to back) and then tap your screen. The app determines what gets beamed.

11.1.7 More > Tethering & portable hotspot

This function allows you to share your phone’s mobile data connection via USB or as a portable Wi-Fi access point (Please refer to "6.6 Sharing your phone’s mobile data connection"
11.1.8 More > VPN

A mobile virtual private network (mobile VPN or mVPN) provides mobile phones with access to network resources and software applications on their home network, when they connect via other wireless or wired networks. Mobile VPNs are used in environments where workers need to keep application sessions open at all times, throughout the working day, as the user connects via various wireless networks, encounters gaps in coverage, or suspend-and-resumes their phones to preserve battery life. A conventional VPN can't survive such events because the network tunnel is disrupted, causing applications to disconnect, time out, fail, or even the computing device itself to crash.

For more information on VPN, please refer to "6.7 Connecting to virtual private networks"

11.1.9 More > Mobile networks

• Data roaming
Touch the switch to connect to data services when roaming.

• Data roaming reminder
Touch the switch to allow/disallow ask before connecting to data when your phone is switched on.

• Network operator name
Touch the switch to allow/disallow the display of network operator name in the status bar.

• Preferred network type
Touch to select the preferred network type.

• Access point names
You can select your preferred network with this menu.

• Network operators
You can select a network operator.

11.1.10 More > Wi-Fi Calling

Touch the switch to enable/disable Wi-Fi Calling.
11.2  Your phone

11.2.1 Home screen settings

• Home screen  Touch to set the Home screen style to Standard Home screen or Simple Home screen. Please refer to "1.3 Home screen"

• Favourite app panel  Touch to switch to turn on the function of launching your favourite app by swiping right.

• Favourite Home screen app  Touch to select the app that you prefer to be opened when you right swipe.

• Lock Home screen layout  Touch to switch to turn on the function of locking home screen layout.

11.2.2 Display settings

• Navigation buttons  Drag an icon to rearrange navigation buttons.

• Lock screen shortcuts  Touch to select shortcuts that you want to display on lock screen.

• Screen mode  Touch to set screen mode.

• Brightness level  Touch to adjust the brightness of the screen.

• Adaptive brightness  Touch to switch to turn on the function of optimising brightness level for available light.

• Night mode  Touch to set night mode.

• Wallpaper  Touch to set the wallpaper.

• Sleep  Touch to set the screen timeout.

• Screen saver  Touch to set the screen saver.

• Pulse notification light  Touch the switch to enable/disable Pulse notification light.

• Font size  Touch to set the font size.
• Display size  Touch to set display size.
• When device is rotated  Touch to set whether to rotate the contents of the screen or stay in portrait view.

11.2.3  Notifications
Touch to open a list of apps and for further app or system notification settings.

11.2.4  Sound
Use the Sound settings to configure ringtones for different events and environments.

• Media volume  Slide to adjust the volume of music, video, games, etc.
• Alarm volume  Slide to adjust the volume of your alarms.
• Ring volume  Slide to adjust the volume of your ringtones, notifications and alerts.
• Also vibrate for calls  Touch to vibrate the phone for incoming calls.
• Do not disturb  Touch to select the prioritised apps for notification permission or customise the automatic rules.
• Phone ringtone  Touch to set your default incoming call ringtone.
• Default notification ringtone  Touch to set your default notification ringtone.
• Default alarm ringtone  Touch to set your default alarm ringtone.
• Other sounds  Touch to set Dial pad tones, Screen locking sounds, Touch sounds and Vibrate on touch.
11.2.5 Apps
You use the Apps settings to view details about the applications installed on your phone, to manage their data and force them to stop, and to set whether you want to permit installation of applications that you obtain from web sites and emails.

11.2.6 Default apps
Touch to view the default apps installed on your phone.

11.2.7 Storage
Use these settings to monitor the total and available space on your phone and, on your microSD card; to manage your microSD card; and, if necessary, to reset the phone, erasing all of your personal information.

Internal shared storage
This menu displays the amount of internal phone storage. The used space will be shown in green, which shows the amount of internal phone storage used by the operating system, its components, applications (including those you downloaded), permanent and temporary data.

11.2.8 Battery
In the Battery screen you can view the battery usage data since you last connected the phone to a power source. The screen also shows your battery status and how long it has been used since last charging. Touch a category to find out its specific power consumption.

You can adjust power use via the screen brightness or screen timeout in the Display screen.

11.2.9 Memory
In the Memory screen you can view the total and available memory on your phone, including the average memory used by each application.
11.2.10 Users
Touch to view the user of the phone or touch + to add new users.

Lock screen settings

• Add users Touch the switch to enable/disable adding new users when your phone is locked.

• Emergency information Touch to set emergency information.

11.2.11 Tap & pay
Touch to pay with your phone in shops

11.3 Personal

11.3.1 Parental control
This Smart phone comes with basic parental control functions built in, allowing you for example to limit or disable access to the apps store, games, or internet access. You can set time limits for app usage, and also easily locate the phone and user via the Google Device Manager app website.

Touch Parental control from Settings phone screen. A wizard will guide you through the steps to set up your parental control information.

1. Touch START SETUP. Enter a 6-digit password for Parental control. Touch NEXT.

2. Enter the password again and then touch NEXT.

3. Enter your (or a guardian's) name and contact number as an emergency contact and to retrieve your PIN in case you forget it. Touch NEXT.

4. Enter the verification PIN number sent to your contact number. Touch VERIFY.

5. Touch App access control.
6. Select the application you want to add access control or set time limit for access.

7. Touch the icon to enable restriction.

8. Mark the checkbox beside **Set time limit** to check and set schedule. Touch the days and select period options to set time limit. Touch **SAVE**.

**Further operations**

- **Turn ON parental control** Touch the switch to turn on/off Parental control.

- **Parental control fingerprint** Touch to register fingerprint to pair with PIN for easy unlock or in case user forget the PIN. Put your finger on the sensor and lift after you feel a vibration, then move your finger slightly to add all the different parts of your fingerprint. Touch **DONE** to complete fingerprint restriction.

- **Lock device settings** Mark the checkbox to lock your phone's settings so a PIN will be needed to access settings next time.

- **Disable install/uninstall apps** Mark the checkbox to enable side loading apps

9. Touch **FINISH**.

**11.3.2 Location**

**Mode**

Choose a mode for location access.

- **High accuracy** Use GPS, Wi-Fi, Bluetooth, or mobile networks to determine location.

- **Battery saving** Use Wi-Fi, Bluetooth, or mobile networks to determine location.

- **Device only** Use GPS to determine your location.
11.3.3 Security

Screen lock

- None Touch to disable screen unlock security.
- Swipe Touch to enable slide unlock mode.
- Pattern Touch to draw pattern to unlock screen.
- PIN Touch to enter a numeric PIN to unlock screen.
- Password Touch to enter a password to unlock screen.

Fingerprint

Put your finger on the sensor to record a fingerprint for identification or authorisation. You must set a screen lock first when you enable this function.

Smart lock

You must set a screen lock first when you enable this function.

Encrypt phone

View if your phone is encrypted.

Set up SIM card lock

Choose a SIM card you want to configure.

Switch the icon beside Lock SIM card to lock the SIM card with PIN code.

Touch Change SIM PIN to change the PIN code.

Make passwords visible

Touch the switch show passwords as you type.

Device administrators

Touch to view or deactivate your phone's administrators.

Unknown sources

Touch the switch to permit installation of applications that you obtain from web sites, emails, or other locations other than Android Market.

To protect your phone and personal data, download applications only from trusted sources, such as Google Play Store.
Storage type
It displays the storage type of your phone.

**Trusted credentials**
Touch to display trusted CA certificates.

**User credentials**
Touch to view and modify stored credentials.

**Install from SD card**
Touch to install encrypted certificates from the SD card.

**Clear credentials**
Touch to remove all credentials.

**Trusted agents**
Touch to view or deactivate trusted agents.

**Screen pinning**
Touch to set screen pinning.

**Apps with usage access**
Touch to set the app access.

### 11.3.4 App permission
Touch to view or change app permission.

### 11.3.5 Accounts
Use the settings to add, remove, and manage your Email and other supported accounts. You can also use these settings to control how and whether all applications send, receive, and synchronise data on their own schedules, and whether all applications can synchronise user data automatically.

**Add account**
Touch to add an account for selected app.
11.3.6 Google
This phone offers you Google account and services setting options.

11.3.7 Language & input
Use the Language & input settings to select the language for the text on your phone and for configuring the onscreen keyboard. You can also configure voice input settings and the pointer speed.

Languages
Touch to select the language and the region you want.

Spell checker
Touch and then switch to enable the system to show suggested words.

Personal dictionary
Touch to open a list of the words you’ve added to the dictionary. Touch a word to edit or delete it. Touch the add button (+) to add a word.

Virtual keyboard

- Google keyboard

Languages Touch to set input language and method.
Preferences Touch to select your typing preference, such as One-handed mode, Customised input styles, Long-press for symbols, Keyboard height etc.
Theme Touch to select the keyboard theme and the customised input styles you preferred.
Text correction Touch to show various options that aim to facilitate the text organisation, such as Auto correction which could correct mistyped words automatically, Show correction suggestions which could display suggested words while typing, etc.
Gesture typing
Touch to set up your gesture typing, such as Enable gesture typing, Show gesture trail, etc.

Dictionary
Touch to view Personal dictionary settings.

Advanced
Touch to view more advanced settings for Google keyboard, such as Emoji for physical keyboard, Show app icon, Share usage statistics, Share snippets etc.

• Google voice typing

Physical keyboard
Touch for more keyboard assistance.

Text-to-speech output
Touch to configure settings for Google voice typing.

• Prefered engine
Touch to choose a preferred text-to-speech engine, touch the Settings icon to show more choices for each engine.

• Speech rate
Slide to set how quickly you want the synthesiser to speak.

• Pitch
Slide to set the pitch you want the synthesiser to speak.

• Reset speech rate
Touch to reset the speed at which the text is spoken to normal.

• Reset speech pitch
Touch to reset the pitch at which the text is spoken to default.

• Listen to an example
Touch to play a brief sample of the speech synthesiser, using your current settings.

• Default language status
Touch to show status of default language.
Pointer speed

Touch to open a dialogue where you can change the pointer speed, touch OK to confirm.

11.3.8 Backup & reset

Back up my data

Touch and then switch the icon on to automatically back up your phone’s settings and other application data to Google Servers, with your Google Account. If you replace your phone, the settings and data you’ve backed up are restored onto the new phone for the first time you sign in with your Google Account. If you mark this option, a wide variety of settings and data are backed up, including your Wi-Fi passwords, bookmarks, a list of the applications you’ve installed, the words you’ve added to the dictionary used by the onscreen keyboard, and most of the settings that you configure with the Settings application. If you unmark this option, you stop backing up your settings, and any existing backups are deleted from Google Servers.

Backup account

Touch to back up your account.

Automatic restore

Switch to restore your backed up settings or other data when you reinstall an application.

Network settings reset

Touch and press RESET SETTINGS button to reset all network settings, including Wi-Fi, Mobile data and Bluetooth.
Factory data reset

Erase all of your personal data from internal phone storage, including information about your Google Account, any other accounts, your system and application settings, and any downloaded applications. Resetting the phone does not erase any system software updates you’ve downloaded or any files on your microSD card, such as music or photos. If you reset the phone in this way, you’re prompted to re-enter the same kind of information as when you first started Android.

When you are unable to power on your phone, there is another way to perform a factory data reset by using hardware keys. Press the Volume up key and the Power key at same time until the screen lights up.

11.4 System

11.4.1 Date & time

Use Date & time settings to customise your preferences for how date and time are displayed.

**Automatic date & time**

Touch to select Use network-provided time or Off.

**Automatic time zone**

Touch to use the network-provided time zone. Or turn it off to set all values manually.

**Set date**

Touch to open a dialogue where you can manually set the phone’s date.

**Set time**

Touch to open a dialogue where you can manually set the phone’s time.

**Select time zone**

Touch to open a dialogue where you can set the phone’s time zone.
Use 24-hour format
Switch on to display the time using 24-hour clock format.

Choose date format
Touch to open a dialogue where you can select the format for displaying dates.

11.4.2 Scheduled power on and off
Touch to set automatic power on/off of the phone

11.4.3 Accessibility
You use the Accessibility settings to configure any accessibility plug-ins you have installed on your phone.

Services
• TalkBack
Touch to turn on/off TalkBack. With TalkBack on, your phone provides spoken feedback to help blind and low-vision users by describing what you touch, select and activate.

To exit TalkBack, touch the on switch and a square frame will focus on the switch. Then double tap the switch quickly until a message appears to enquire if stop Talkback. Touch OK and a square frame will focus on the icon. Then double tap OK quickly to turn off TalkBack.

• Switch Access
Touch to turn on/off switch access.

System
• Help tips
Touch the switch to enable/disable help tips.
• Captions
Touch to activate/deactivate captions for phone screen.
• **Magnification gesture**
  Touch to turn on/off to activate/deactivate zoom in/out function by triple-tapping the screen.

• **Font size**
  Touch to set and make the text on screen smaller or larger

• **Display size**
  Touch to set and make the items on your screen smaller or larger.

• **Click after cursor stops moving**
  Touch then switch the icon to enable/disable click after cursor stops moving.

• **High-contrast text**
  Touch the switch to activate/deactivate high contrast text.

• **Power button ends call**
  Touch the switch to enable/disable Power button ends call.

• **Auto-rotate screen**
  Touch the switch to activate/deactivate auto-rotate screen.

• **Speak passwords**
  Touch the switch to speak/mute passwords while typing.

• **Large mouse cursor**
  Touch the switch to enable/disable large mouse cursor.

• **Mono audio**
  Touch the switch to allow/disallow combining channels when playing audio.

• **Accessibility shortcut**
  When this feature is turned on, you can quickly activate accessibility features in two steps:
  Step 1: Press and hold the power button until you hear a sound or feel a vibration.
  Step 2: Touch and hold two fingers until you hear audio confirmation.
If the phone has multiple users, using this shortcut on the lock screen temporarily enables accessibility until the phone is unlocked.

- **Text-to-speech output**
  Refer to "Preferred engine/Speech rate/Pitch/Listen to an example/Default language status" setting before.

- **Touch & hold delay**
  Touch to adjust the duration of touch and hold delay. This function enables your phone to set how long you need to hold your touch down before it registers.

- **3 fingers screenshot**
  Touch the switch to enable/disable swiping down with 3 fingers simultaneously to make screenshot.

**Display**

- **Colour inversion**
  Touch the switch to turn on/off colour inversion.

- **Colour correction**
  Touch to turn on/off colour correction.

**11.4.4 Printing**

Your phone supports wireless printing to enabled printers and online services.

**11.4.5 Regulatory & safety**

Touch to view Regulatory & safety information, including Product model, Manufacturer name, etc.

**11.4.6 Developer options**

To access this function, touch Settings > About phone, then touch Build number 7 times. Now Developer options is available.
The Development screen contains settings that are useful for developing Android applications. For full information, including documentation of the Android applications and development tools, see the Android developer web site (http://developer.android.com).

**Take bug report**
Touch to select to collect information about your current phone state and send as an email message.

**Desktop backup password**
Touch to set/change/remove desktop full backup password.

**Stay awake**
Touch to prevent the screen from dimming and locking when the phone is connected to a charger or to a USB device that provides power. Don’t use this setting with a static image on the phone for long periods of time, or the screen may be marked with that image.

**Enable Bluetooth HCI snoop log**
Touch to capture all Bluetooth HCI packets in a file.

**Running services**
Touch to view and control currently running services.

**WebView implementation**
Touch to set Webview implementation.

**Multiprocess WebView**
Touch the switch to enable/disable running WebView renderers separately.

**Automatic system updates**
Touch the switch to enable/disable automatic system updates.

**Demo mode**
Touch to set demo mode.
USB debugging
Touch to permit debugging tools on a computer to communicate with your phone via a USB connection.

Revoke USB debugging authorisations
Touch to revoke access to USB debugging from all computers you've previously authorised.

Bug report shortcut
Touch to show a button in the power menu for taking a bug report.

Select mock location app
Touch to permit an application on a computer to control where the phone believes it is located, rather than using the phone’s own internal tools for this purpose.

Enable view attribute inspection
Touch to enable view attribute inspection.

Select debug app
Touch to select debug app.

Wait for debugger
Touch to wait for debugger to attach before executing.

Verify apps over USB
Touch to check apps installed via ADB/ADT for harmful behaviour.

Logger buffer sizes
Touch to select logger size per log buffer from 64K, 256K, or 1M.

Wireless display certification
Touch to show options for Wireless Display certification.

Enable Wi-Fi verbose Logging
Touch to increase Wi-Fi logging level, show per SSID RSSI in Wi-Fi Picker.
Aggressive Wi-Fi to Mobile handover
Touch to enable this function. When enabled, Wi-Fi will be more aggressive in handing over the data connection to Cellular, when Wi-Fi signal is low.

Always allow Wi-Fi Roam Scans
Touch to allow/disallow Wi-Fi Roam Scans.

Mobile data always active
Touch to enable mobile data always-active mode, even when Wi-Fi is active (for fast network switching).

Select USB Configuration
Touch to select USB configuration.

Disable absolute volume
Touch to disable the Bluetooth absolute volume feature in case of volume issues with remote devices such as unacceptably loud volume or lack of control.

Show taps
Touch to allow/disallow showing visual feedback for taps.

Pointer location
Touch to show current touch data.

Show surface updates
Touch to flash entire window surfaces when they update.

Show layout bounds
Touch to show clip bounds, margins, etc.

Force RTL layout direction
Touch to force screen layout direction to RTL for all locales.

Window animation scale
Touch to adjust the animation scale for your window.

Transition animation scale
Touch to adjust the animation scale while performing transition.
Animator duration scale
Touch to adjust the animator duration scale.

Simulate secondary displays
Touch to adjust the Simulate secondary displays.

Smallest width
Touch to set smallest width.

Force GPU rendering
Touch to use 2D hardware acceleration in applications.

Show GPU view updates
Touch to flash views inside windows when drawn with the GPU.

Show hardware layers updates
Touch to flash hardware layers green when they update.

Debug GPU overdraw
Touch to show GPU overdraw.

Debug non-rectangular clip operations
Touch to show non-rectangular clip operations.

Force 4x MSAA
Touch to enable 4x MSAA.

Disable HW overlays
Touch to select to always use GPU for screen compositing.

Simulate colour space
Touch to disable or select simulate colour space.

Disable USB audio routing
Touch to disable automatic routing to USB audio peripherals.

Strict mode enabled
Touch to enable strict mode. After enabled, the screen will flash when applications do long operations on the main thread.

Show CPU usage
Touch to show current CPU usage.
Profile GPU rendering
Touch to set profile GPU rendering.

Don’t keep activities
Touch to delete every activity as soon as the user leaves it.

Background process limit
Touch to change the limit for background processes.

Show all ANRs
Touch to show "Application Not Responding" dialogue for background applications.

Inactive apps
Touch to view the inactive apps list.

Force allow apps on external
Touch the switch to make any app eligible to be written to external storage, regardless of their inbuilt settings.

Force activities to be re-sizeable
Touch the switch to make all activities resizable for multiwindow, regardless of their inbuilt settings.

11.4.7 About phone
This contains information about things ranging from Legal information, Model number, Android version, Baseband version, Kernel version, Build number to those listed below:

Software updates
Touch to check for system updates.

Status
This contains the status of the Battery status, Battery level, SIM status, IP address, etc.

Legal information
Touch to view legal information.
12 Update your phone’s software

Using the FOTA (Firmware Over The Air) Upgrade tool you can update your phone’s software.

To access **Software updates**, touch **Settings > About phone > Software updates**. Touch **Check for updates** and the phone will search for the latest software. If you want to update the system, please touch **DOWNLOAD**, and when that’s finished, touch **INSTALL** to complete the upgrade. Now your phone will have the latest version of the software.

You should turn on data connection before searching for updates. Settings for auto-check intervals and reminders about upgrades are also available once you restart the phone.

If you have chosen auto-check, when the system discovers the new version, the 🔄 icon will appear in the status bar. Touch the notification to access the **Software updates** directly.

💡 During FOTA downloading or updating do not change your default storage location, to avoid errors in locating the correct update packages.
Please read this safety information before you use the device. Following the warnings will help prevent injury to yourself or others and damage to your device.

Additional safety warnings may be given for the operation of specific Apps on your device, you should also follow these instructions.

13 **Product safety information**

**Pictograms and graphic symbols**

- !: Read the Safety Information section of this user guide [on page 2] before using this device. Failure to comply with safety warnings can result in serious injury.
- ⚠️: Do not use while refuelling or near gas or flammable liquids
- ⚠️: Do not use while driving
- ⚠️: This device may produce a bright or flashing light
- ⚠️: For body-worn operation maintain a separation of 5 mm
- ⚠️: Do not dispose of this device or its battery in a fire.
- ⚠️: This device is not intended for use by young children. If you allow a child to use it ensure the child is strictly supervised. This device contains small parts which are 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 to disassemble

Switch off when instructed in aircraft and airports

Do not rely on this device for emergency communications

Switch off in explosive environments

Only use approved accessories

Do not use this device whilst walking across a road or cycling

Product safety information

RF exposure

General statement on RF energy

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 guidelineswere developed by the independent scientific organisation 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 W/kg and the highest SAR value for this device when tested at the ear was 1.39 W/kg \(^{(1)}\) and when tested near the body (at a distance of 5 mm) the highest SAR value was 1.51 W/kg \(^{(2)}\).

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, see page 100 for more information.

SAR is measured utilising the device’s highest transmitting power and where supported with multiple simultaneous transmitters. The actual SAR of this device while operating is typically well below that indicated above. This is due to automatic changes to the power level of the device to ensure it only uses the minimum power required to communicate with the network.

**Body worn operation**

To ensure compliance with RF exposure guidelines the phone must be used with a minimum of 5 mm separation from the body.

Failure to observe these instructions could result in your RF exposure exceeding the relevant guideline limits and may use more power than necessary.

**Limiting exposure to radio frequency (RF) fields**

For individuals concerned about limiting their exposure to RF fields, the World Health Organisation (WHO) provides the following advice in Fact Sheet 193 Electromagnetic fields and public health: mobile phones (October 2014)

\(^{(1)}\) The tests are carried out in accordance with[CENELEC EN50360] [IEC 62209-1].

\(^{(2)}\) The tests are carried out in accordance with[CENELEC EN50566] [IEC 62209-2].
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 exposure to radio waves can be obtained from the WHO http://www.who.int/mediacentre/factsheets/fs193/en/

14 Regulatory information

The following safety approvals and notices apply in specific regions as noted.

Hereby, Vodafone declares that the radio equipment type VFD 610 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: http://vodafone.com/smartn8/ec-declaration

Distraction

Using a mobile device to communicate, listen to music or watch other media could potentially distract you from performing any activity which requires your full attention. It may also reduce your awareness of the environment around you.

Driving

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

Operating machinery

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

Using a mobile device while walking or cycling will reduce concentration on the environment around you and may increase your risk of an accident.

Product Handling

General statement on handling and use

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 authorised personnel must do so.
• Do not expose your phone or its accessories to extreme temperatures, minimum -10 and maximum +50 degrees Celsius.
• 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 may 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.

Demagnetisation
To avoid the risk of demagnetisation, do not allow electronic devices or magnetic media close to your phone for a long time.
Avoid other magnetic sources as these may cause the internal magnetometer or other sensors to malfunction and provide incorrect data.

Electrostatic discharge (ESD)
Do not touch the 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 hand-held 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 hold a conventional fixed line phone.
Air Bags
Do not place a phone in the area near or 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 Motion Injuries
To minimise the risk of repetitive strain injury (RSI), when Texting or playing games with your phone:

• Do not grip the phone too tightly
• Press the buttons or screen lightly
• Make use of the special features in the handset which minimise the number of buttons which have to be pressed, such as message templates and predictive text
• Take lots of breaks to stretch and relax
• If you continue to have discomfort stop using this device and consult your doctor

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.

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.

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, riding, cycling or crossing the road.

Prolonged periods of listening to music, playing games or using other content from your device, at high volume, may lead to hearing damage.

Bright Light
This phone is capable of producing flash of light or use as a torch, do not use it too close to the eyes.

Phone Heating
Your phone may become warm during charging and during normal use, do not use this phone if it is overheated (showing an overheating warning or feels hot to touch).
Electrical Safety

Accessories
Use only approved accessories and chargers.

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, charger, device charging point or any electrical contacts on accessories.

Do not touch your device with wet hands. Doing so may cause an electric shock.

Do not touch the power cord with wet hands or disconnect the charger by pulling the cord. Doing so may result in electrocution.

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

Faulty and Damaged Products
Do not attempt to disassemble the phone or its accessories.

Only qualified personnel should service or repair the phone or its accessory.

If your phone or its accessory has been submerged in water or other liquid, punctured, or subjected to a severe fall, do not use it until you have taken it to be checked at an authorised service centre.

Battery Handling and Safety
The battery in this device is not user removable.

Do not make any attempt to remove the battery or disassemble the device to access the battery.

Only use the charger supplied, or manufacturer approved replacements intended for use with your device. Using other chargers could be dangerous.

Improper use of your device may result in fire, explosion or other hazards.
If you believe the battery has been damaged, do not use or re-charge the device and take it to a authorised service centre for testing.

Do not puncture or crush the device or allow it to be subjected to any external pressure or force.

**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 handsfree 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.

Disposal and Recycling

To dispose of or recycle your device in a safe and appropriate manner, contact your Customer Services centre for information.
Protection against theft (1)

Your telephone is identified by an IMEI (phone serial number) shown on the packaging label and in the product’s memory. We recommend that you note the number the first time you use your telephone by entering *#06# and keep it in a safe place. It may be requested by the police or your operator if your telephone is stolen. This number allows your mobile telephone to be blocked preventing a third person from using it, even with a different SIM card.

This symbol on your telephone, the battery and the accessories means that these products must be taken to collection points at the end of their life:
- Municipal waste disposal centres with specific bins for these items of equipment.
- Collection bins at points of sale.

They will then be recycled, preventing substances being disposed of in the environment, so that their components can be reused.

In European Union countries:
These collection points are accessible free of charge.
All products with this sign must be brought to these collection points.

In non European Union jurisdictions:
Items of equipment with this symbol are not to be thrown into ordinary bins if your jurisdiction or your region has suitable recycling and collection facilities; instead they are to be taken to collection points for them to be recycled.

CAUTION: RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

If the battery cover is removed please avoid contact to the antennas and the antenna contacts which can contain Nickel. People allergic or sensitive to this metal should avoid contact at all times.

(1) Contact your network operator for service availability.
Licences

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VFD 610 Bluetooth Declaration ID D032716

The Wi-Fi Logo is a certification mark of the Wi-Fi Alliance.
This equipment may be operated in all European countries.
Google, the Google logo, Android, the Android logo, Google Search™, Google Maps™, Gmail™, YouTube, Google Play Store and Duo™ are trademarks of Google Inc.

The Android robot is reproduced or modified from work created and shared by Google and used according to terms described in the Creative Commons 3.0 Attribution License (the text will show when you touch and hold Google legal in Settings > About phone > Legal information) (1).

General information

You have purchased a product which uses the open source (http://opensource.org/) programs mtd, msdosfs, netfilter/iptables and initrd in object code and other open source programs licensed under the GNU General Public License and Apache License.

(1) This may not be available depending on your country
We will provide you with a complete copy of the corresponding source codes upon request within a period of three years from the distribution of the product from the below mentioned address in chapter Notice.

You may download the source codes from http://sourceforge.net/projects/alcatel/files/vodafone/vfd610. The provision of the source code is free of charge from internet.

This radio equipment operates with the following frequency bands and maximum radio-frequency power:

- GSM850/900: 33 dBm
- GSM1800/1900: 30 dBm
- UMTS 850/900/1900/2100: 24 dBm
- LTE B1/3/7/8/20/28: 24 dBm
- Bluetooth: < 20 dBm
- 802.11bgn: 2.4GHz band < 20 dBm
- NFC 13.56 MHz: < 25 dBuA/m at 10m

The description of accessories and components, including software, which allow the radio equipment to operate as intended, can be obtained in the full text of the EU declaration of conformity at the following internet address: http://vodafone.com/smartn8/ec-declaration

**Notice**

The information in this manual is subject to change without notice.

Every effort has been made in the preparation of this manual to ensure accuracy of the contents, but all statements, information, and recommendations in this manual do not constitute a warranty of any kind, expressed or implied. Read the safety precautions and safety information carefully to ensure that you use this wireless device in a correct and safe manner.

Importer and manufacturer: Vodafone

Registered trade mark:

Address: Vodafone S.à r.l., 15 rue Edward Steichen, L-2540 Luxembourg, Grand-Duché de Luxembourg
WARRANTY TERMS AND CONDITIONS

1. Vodafone undertakes the warranty of this mobile phone for a period of two (2) years from the date of purchase by the original owner (not transferable) under normal use.

2. The battery has a limited warranty for twelve (12) months, and charger for twenty-four (24) months against manufacturing defects. Other accessories have a limited warranty for twenty-four (24) months against manufacturing defects.

3. This warranty does not cover damage resulting from:
   a) Normal wear & tear of the equipment;
   b) Defects and damages due to the equipment being used other than its normal and customary manner;
   c) An unauthorised disassembly, repair, alteration or modification being carried out;
   d) Misuse, abuse, negligence or accident howsoever caused;
   e) Defects or damage arising from improper testing, operation, maintenance, installation, or any alteration or modification;
   f) Defects or damage due to spillage of food or liquids, corrosion, rust or the use of wrong voltage;
   g) Scratches or damage to plastic surfaces and all other externally exposed parts that are due to normal customer use;
4. If this phone needs service or repair, it must be delivered at the user's cost.

5. This warranty will be null and void in any of the following events:
   a) If the serial number or warranty seal on the equipment has been defaced or removed.
   b) If any term contained in this warranty has been altered or modified in any way without prior written consent of Vodafone.

6. This limited warranty extends only to customers who purchase the product and is only valid in Vodafone’s intended country (or area) of sale of the product.

7. If the product is returned to Vodafone after the expiration of the warranty period, Vodafone’s normal service policies shall apply and the consumer will be charged accordingly.
   a) Vodafone neither assumes for it any other obligation or liability beyond that which is expressly provided for in this limited warranty.
   b) All warranty information, product features and specifications are subject to change without notice.

8. THIS WARRANTY IS IN LIEU OF ANY AND OTHER WARRANTIES EXPRESSED OR IMPLIED, SPECIFICALLY INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. VODAFONE ASSUMES NO LIABILITY FOR THE BREACH OF THE WARRANTY BEYOND CORRECTING THE BREACH IN THE MANNER DESCRIBED ABOVE. IN NO EVENT SHALL VODAFONE BE LIABLE FOR
16 Accessories

The latest Vodafone Smartphones offers a built-in handsfree feature that allows you to use the telephone from a distance, placed on a table for example. For those who prefer to keep their conversations confidential, an earpiece is also available known as the headset.

1. Vodafone Smart N8
2. Charger
3. Data cable
4. Headset
5. Quick Start Guide
6. Safety and Warranty information
7. Battery

Only use your telephone with the battery, charger and accessories in your box.
<table>
<thead>
<tr>
<th><strong>Specifications</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Processor</strong></td>
<td>MT6737 + 1.25GHz Quad core</td>
</tr>
<tr>
<td><strong>Platform</strong></td>
<td>Android N</td>
</tr>
<tr>
<td><strong>Memory</strong></td>
<td>16GB+1.5GB RAM</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>144.5 x 71.95 x 8.65mm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>Approx. 151.37 grams with battery</td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td>5.0-inch touchscreen with HD 720 (1280×720) resolution</td>
</tr>
<tr>
<td><strong>Network</strong></td>
<td>GSM: Quad-band 850/900/1800/1900 MHz</td>
</tr>
<tr>
<td></td>
<td>UMTS: Quad-band 850/900/1900/2100 MHz</td>
</tr>
<tr>
<td></td>
<td>LTE: Hexa-band (B1/3/7/8/20/28)</td>
</tr>
<tr>
<td></td>
<td>(Band frequency and data speed are operator dependent.)</td>
</tr>
<tr>
<td><strong>GPS</strong></td>
<td>Assisted GPS/Internal GPS antenna</td>
</tr>
<tr>
<td><strong>Connectivity</strong></td>
<td>Bluetooth Smart (BT v4.2)</td>
</tr>
<tr>
<td></td>
<td>Wi-Fi IEEE 802.11 b/g/n</td>
</tr>
<tr>
<td></td>
<td>3.5 mm audio jack</td>
</tr>
<tr>
<td></td>
<td>Micro USB 2.0</td>
</tr>
<tr>
<td><strong>Camera</strong></td>
<td>13 megapixel back camera</td>
</tr>
<tr>
<td></td>
<td>5 megapixel front camera</td>
</tr>
<tr>
<td><strong>Audio supported formats</strong></td>
<td>MP3, MP2, AMR, MIDI, Vorbis, APE, AAC, AAC+, FLAC</td>
</tr>
</tbody>
</table>
| Video supported formats | Playing:  
H.263, H.264, MPEG4, VP8, VP9  
Recording:  
H.263, H.264, MPEG4 |
|------------------------|--------------------------------------------------|
| Battery                | Rechargeable Lithium battery  
Capacity: 2400 mAh |
| Expansion Slot         | microSD memory card slot (Capacity up to 32GB), support UHS-I |
| Special Features       | Fingerprint, GPS receiver and Accelerometer |

**Note:** Specifications are subject to change without prior notice.