

Panasonic | P51

www.mobile.panasonic.co.in



For more information on how to use the phone, please go to www.mobile.panasonic.co.in and download the complete user manual. Moreover, on the website, you can also find answers to frequently asked questions, upgrade the software via PC suite, and so much more.

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Your phone is a magnetism sensitive device. Please do not place your phone near a magnetic device (credit card, debit card, etc.), or magnetic waves emitted by your phone may interfere with data storage in the magnetic device.

Safety and use.....

We recommend that you read this chapter carefully before using your phone. The manufacturer disclaims any liability for damage, which may result as a consequence of improper use or use contrary to the instructions contained herein.

• TRAFFIC SAFETY:

Given that studies show that using a mobile phone while driving a vehicle constitutes a real risk, even when the hands-free kit is used (car kit, headset...), drivers are requested to refrain from using their mobile when the vehicle is not parked.

When driving, do not use your phone and headphone to listen to music or to the radio. Using a headphone can be dangerous and forbidden in some areas.

When switched on, your phone emits electromagnetic waves that can interfere with the vehicle's electronic systems such as ABS anti-lock brakes or airbags. To ensure that there is no problem:

- do not place your phone on top of the dashboard or within an airbag deployment area,
- check with your car dealer or the car manufacturer to make sure that the dashboard is adequately shielded from mobile phone RF energy.

• CONDITIONS OF USE:

You are advised to switch off the telephone from time to time to optimise its performance.

Switch the phone off before boarding an aircraft.

Switch the phone off when you are in health care facilities, except in designated areas. As with many other types of equipment now in regular use, mobile telephones can interfere with other electrical or electronic devices, or equipment using radio frequency.

Switch the phone off when you are near gas or flammable liquids. Strictly obey all signs and instructions posted in a fuel depot, petrol station, or chemical plant, or in any potentially explosive atmosphere.

When the phone is switched on, it should be kept at least 15 cm from any medical device such as a pacemaker, a hearing aid or insulin pump, etc. In particular when using the phone, you should hold it against the ear on the opposite side to the device, if any.

To avoid hearing impairment, pick up the call before holding your phone to your ear. Also move the handset away from your ear while using the "hands-free" mode because the amplified volume might cause hearing damage.

Do not let children use the phone and/or play with the telephone and accessories without supervision.

Please note that your phone is a unibody device, the back cover and battery are not removable. Do not attempt to disassemble your phone. If you disassemble your phone the warranty will not apply. Also disassembling the phone may damage the battery, and may cause leakage of substances that could create an allergic reaction.

Always handle your phone with care and keep it in a clean and dust-free place.

Do not allow your phone to be exposed to adverse weather or environmental conditions (moisture, humidity, rain, infiltration of liquids, dust, sea air, etc). The manufacturer's recommended operating temperature range is -10°C to +55°C.

At over 55°C the legibility of the phone's display may be impaired, though this is temporary and not serious.

Emergency call numbers may not be reachable on all cellular networks. You should never rely only on your phone for emergency calls.

Do not open, dismantle or attempt to repair your mobile phone yourself.

Do not drop, throw or bend your mobile phone.

Do not use the phone if the glass made screen is damaged, cracked or broken to avoid any injury.

Do not paint it.

Use only batteries, battery chargers, and accessories which are recommended by Panasonic and its affiliates and are compatible with your phone model. Panasonic and its affiliates disclaim any liability for damage caused by the use of other chargers or batteries.

Remember to make back-up copies or keep a written record of all important information stored in your phone.

Some people may suffer epileptic seizures or blackouts when exposed to flashing lights, or when playing video games. These seizures or blackouts may occur even if a person never had a previous seizure or blackout. If you have experienced seizures or blackouts, or if you have a family history of such occurrences, please consult your doctor before playing video games on your phone or enabling a flashing-lights feature on your phone.

Parents should monitor their children's use of video games or other features that incorporate flashing lights on the phones. All persons should discontinue use and consult a doctor if any of the following symptoms occur: convulsion, eye or muscle twitching, loss of awareness, involuntary movements, or disorientation. To limit the likelihood of such symptoms, please take the following safety precautions:

- Do not play or use a flashing-lights feature if you are tired or need sleep.
- Take a minimum of a 15-minute break hourly.
- Play in a room in which all lights are on.

- Play at the farthest distance possible from the screen.

- If your hands, wrists, or arms become tired or sore while playing, stop and rest for several hours before playing again.

- If you continue to have sore hands, wrists, or arms during or after playing, stop the game and see a doctor.

When you play games on your phone, you may experience occasional discomfort in your hands, arms, shoulders, neck, or other parts of your body. Follow the instructions to avoid problems such as tendinitis, carpal tunnel syndrome, or other musculoskeletal disorders.



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.

• PRIVACY:

Please note that you must respect the laws and regulations in force in your jurisdiction or other jurisdiction(s) where you will use your mobile phone regarding taking photographs and recording sounds with your mobile telephone. Pursuant to such laws and regulations, it may be strictly forbidden to take photographs and/or to record the voices of other people or any of their personal attributes, and duplicate or distribute them, as this may be considered to be an invasion of privacy. It is the user's sole responsibility to ensure that prior authorisation be obtained, if necessary, in order to record private or confidential conversations or take a photograph of another person; the manufacturer, the seller or vendor of your mobile phone (including the operator) disclaim any liability which may result from the improper use of the mobile phone.

• BATTERY:

Please note your phone is a unibody device, the back cover and battery are not removable. Observe the following precautions:

- Do not attempt to open the back cover.
- Do not attempt to eject, replace and open battery.
- Do not punctuate the back cover of your phone.
- Do not burn or dispose of your phone in household rubbish or store it at temperature above 60°C.

Phone and battery as a unibody device must be disposed of in accordance with locally applicable environmental regulations.



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.

• CHARGERS

Mains powered chargers will operate within the temperature range of: 0°C to 40°C.

The chargers designed for your mobile phone meet with the standard for safety of information technology equipment and office equipment use. They are also compliant to the ecodesign directive 2009/125/EC. Due to different applicable electrical specifications, a charger you purchased in one jurisdiction may not work in another jurisdiction. They should be used for this purpose only.

• RADIO WAVES:

Specific Absorption Rate (IEEE)

THIS MOBILE PHONE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your mobile phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio-frequency (RF) energy. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. These guidelines include a substantial safety margin designed to ensure the safety of all persons, regardless of age and health.

The exposure standard for mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by public authorities such as the Federal Communications Commission of the US Government (FCC), or by

Industry Canada, is 1.6 W/kg averaged over 1 gram of body tissue. Tests for SAR are conducted using standard operating positions with the mobile phone transmitting at its highest certified power level in all tested frequency bands.

Although the SAR is determined at the highest certified power level, the actual SAR level of the mobile phone while operating can be well below the maximum value. This is because the mobile phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output of the mobile phone. Before a mobile phone model is available for sale to the public, compliance with national regulations and standards must be shown. The highest SAR value for this model mobile phone when Tested is 0.386 W/kg for use at the ear and 0.716 W/kg for use close to the body. While there may be differences between the SAR levels of various mobile phones and at various positions, they all meet the government requirement for RF exposure. For body-worn operation, the mobile phone meets FCC RF exposure guidelines provided that it is used with a non-metallic accessory with the handset at least 15 mm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines. Additional information on SAR can be found on the Cellular Telecommunications & Internet Association (CTIA) Web site: <http://www.phonefacts.net>

The World Health Organization (WHO) considers that present scientific information does not indicate the need for any special precautions for 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. (fact sheet n° 193). Additional WHO information about electromagnetic fields and public health are available on the following website: <http://www.who.int/peh-emf>.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

For the receiver devices associated with the operation of a licensed radio service (e.g. FM broadcast), they bear the following statement:

This device complies with Part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

For other devices, they bear the following statement:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Your mobile phone is equipped with a built-in antenna. For optimal operation, you should avoid touching it or degrading it.

As mobile devices offer a range of functions, they can be used in positions other than against your ear. In such circumstances the device will be compliant with the guidelines when used with headset or usb data cable. If you are using another accessory ensure that whatever product is used is free of any metal and that it positions the mobile phone at least 15 mm away from the body.

Specific Absorption Rate (ICNIRP)

Proof of compliance with international standards (ICNIRP) or with European Directive 1999/5/EC (R&TTE) is required of all mobile phone models before they can be put on the market. The protection of the health and safety for the user and any other person is an essential requirement of these standards or this directive.

THIS DEVICE MEETS INTERNATIONAL GUIDELINES FOR EXPOSURE TO RADIO WAVES.

Your mobile device is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves (radio frequency electromagnetic fields) recommended by international guidelines. The guidelines were developed by an independent scientific organization (ICNIRP) and include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The radio wave exposure guidelines use a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit for mobile devices is 2 W/kg.

Tests for SAR are conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands. The highest SAR values under the ICNIRP guidelines for this device model are:

Maximum SAR for this model and conditions under which it was recorded.		
Head SAR	UMTS 900 + Bluetooth + Wi-Fi	0.291 W/kg
Body-worn SAR	GSM 900 + Bluetooth + Wi-Fi	0.951 W/kg

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

Body-worn SAR testing has been carried out at a separation distance of 1.0 cm. To meet RF exposure guidelines during body-worn operation, the device should be positioned at least this distance away from the body. If you are not using an approved accessory ensure that whatever product is used is free of any metal and that it positions the phone the indicated distance away from the body.

Organizations such as the World Health Organization and the US Food and Drug Administration have stated that if people are concerned and want to reduce their exposure they could use a hands-free device to keep the phone away from the head and body during phone calls, or reduce the amount of time spent on the phone.

Additional information about electromagnetic fields and public health are available on the following site: <http://www.who.int/peh-emf>.

Your telephone is equipped with a built-in antenna. For optimal operation, you should avoid touching it or degrading it.

As mobile devices offer a range of functions, they can be used in positions other than against your ear. In such circumstances the device will be compliant with the guidelines when used with headset or usb data cable. If you are using another accessory ensure that whatever product is used is free of any metal and that it positions the phone at least 1.0 cm away from the body.

General information

Your telephone is a transceiver that operates on GSM in quad-band (850/900/1800/1900 MHz) or UMTS in dual band with 900/2100 MHz.

CE I588

This equipment is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Protection against theft ⁽¹⁾

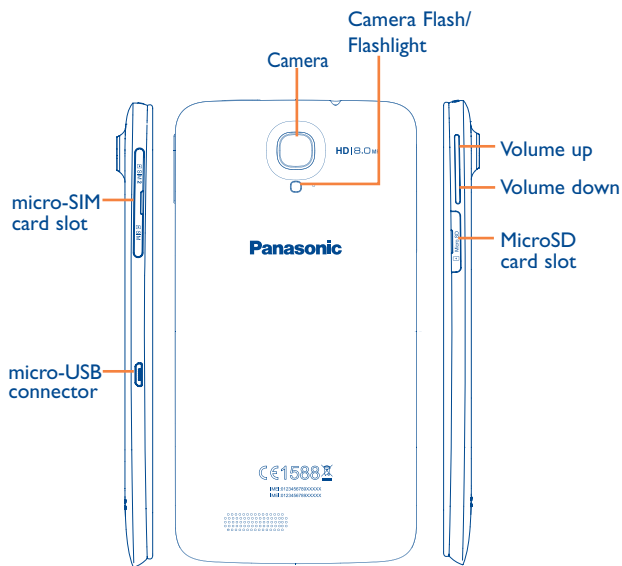
Your telephone is identified by an IMEI (phone serial number) shown on the packaging label and in the phone's memory. We recommend that you note the number the first time you use your telephone by entering *#06# and keep it in a safe place. It may be requested by the police or your operator if your telephone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

⁽¹⁾ Contact your network operator to check service availability.

Your mobile

1.1 Keys and connectors





Recent apps key

- Open a list of thumbnail images of apps you've worked with recently. Touch it to open an app. Swipe it left or right to remove a thumbnail from the list.



Home key

- While on any application or screen, touch to return to the Home screen.



Back key

- Touch to go back to the previous screen, or to close a dialog box, options menu, the notification panel, etc.

These keys are visible when the screen lights up.



Power key

- Press: Lock the screen/Light up the screen
- Press and hold: Show the pop-up menu to select from Quick start/Airplane mode/Power off/Restart
Press and hold: Power on
- Press and hold **Power** key and **Volume down** key to capture a screenshot.
- Press to mute the ringtone when there's an incoming call.
- Press and hold **Power** key and **Volume up** key for a while to power off the phone when the system halted.



Volume Keys

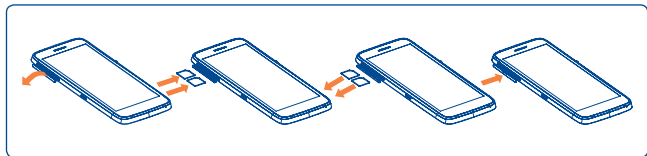
- Under call mode, adjust the earpiece or headset volume.
- In Music/Video/Streaming mode, adjust the media volume.
- In general mode, adjust the ring tone volume.
- Mute the ringtone of an incoming call.
- Press to light up the screen when it dims during a call.

1.2 Getting started

1.2.1 Set-up

Inserting or removing the SIM card

You must insert your SIM card to make phone calls. Please power off your phone before inserting or removing the SIM card.



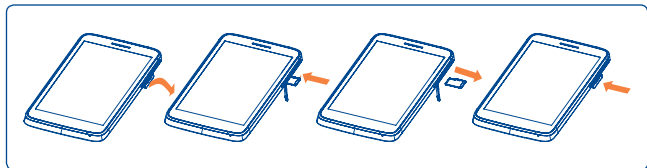
Your phone only support Micro-SIM card. Please contact network operator and use professional scissors prune SIM card to Micro-SIM card. To install, take off Micro-SIM card protector, insert the Micro-SIM card into the slot with chip facing downward, and then cover the slot. To remove the card, open Micro-SIM card protector, gently press it out, and then cover the slot.

Before inserting/removing the SIM card, you should ensure the phone is off, to protect it from corruption or damage.



On dual SIM model, SIM1 support 2G and 3G networks, SIM2 only support 2G networks.

Installing or removing the microSD card

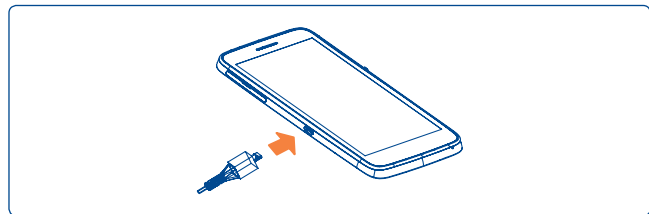


To install, please open microSD card slot first, and then place the external microSD card into the slot with the gold contact facing down. To remove the external microSD card, please open microSD card lock and take it out from the slot.



Before inserting/removing the microSD card, you should ensure the phone is off, to protect it from corruption or damage.

Charging the battery



Connect the battery charger to your phone and mains socket respectively, then the charging status bar will float.

- Make sure the battery is correctly inserted before connecting the charger.
- When using your telephone for the first time, charge the battery fully (approximately 5 hours).

You are advised to fully charge the battery (🔋). Charging status is indicated by the percentage on screen while the phone is powered off. The percentage increases as the phone is charged.



The charging status bar will not float if your battery is extensively consumed. To reduce power consumption and energy waste, when battery is fully charged, disconnect your charger from the plug; switch off Wi-Fi, GPS, Bluetooth or background-running applications when not in use; reduce the backlight time, etc.

1.2.2 Power on your phone

Hold down the **Power** key until the phone powers on, unlock your phone (Slide, PIN, password or pattern) if necessary and confirm. The Home screen is displayed.

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 should set the following options:

- Touch **Get started...**, then select the phone's language.
- The device will search for service by itself. The process of activation will take a few minutes.
- There is an notice about magnetism sensitive, touch **Next**.
- Select your input keyboard, then touch **Next**.
- Set your date and timezone, you can also choose **Automatic time zone**, then touch **Next**.
- **Setup your Google account:** Touch **Set up now**. If you have a Google Account, touch **Sign in**, then enter your user name and password. If you forget your password, you can go to <http://www.google.com/> to retrieve it. If you don't own a Google Account, you are prompted to create one by touching **Get an account**. Touch **Not now** to skip to the next step.
- Touch **Next**, then the Setup complete screen will display, touch **Finish** to confirm.

When the phone is powered on, you can connect to a Wi-Fi network, without a SIM card inserted (refer to section "6.1.2 Wi-Fi"), to sign into your Google account and to use some features.

1.2.3 Power off your phone

Hold down the **Power** key until the pop-up menu appears, select **Power off**, and touch **OK** to confirm.

1.3 Home screen

You can bring all the items (applications, shortcuts, folders and widgets) you love or use most frequently to your Home screen for quick access. Touch the **Home** key to switch to Home screen.



Status bar

- Status/Notification indicators
- Touch and drag down to open the notification panel.

Search bar

- Touch ① to enter text search screen.
- Touch ② to enter voice search screen.

Favorite tray applications

- Touch to enter the application.
- Touch and hold to move or change applications.

Application tab

- Touch to open main menu.

Home screen is provided in an extended format to allow more space for adding applications, shortcuts etc. Slide the Home screen horizontally left and right to get a complete view of the Home screen. The white short line at the lower part of the screen indicates which screen you are viewing.

1.3.1 Using the touchscreen

Touch



To access an application, touch it with your finger.

Touch and Hold



Touch and hold the home screen to access the available options for setting the wallpaper.

Drag



Place your finger on any item to drag it to another location.

Slide/Swipe



Slide the screen to scroll up and down the applications, images, web pages... at your convenience.

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 to have a better view.

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). When the status bar is full, icon  will appear.

Status icons

For dual SIM model, status icons referring to either SIM1 or SIM2 will be identified by a colour which you have defined.

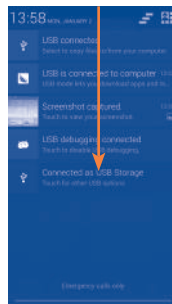
	GPRS connected		Roaming
	GPRS in use		No SIM card inserted
	EDGE connected		Vibrate mode
	EDGE in use		Ringer is silenced
	3G connected		Phone microphone is mute
	3G in use		Battery is very low
	HSPA (3G+) connected		Battery is low
	HSPA (3G+) in use		Battery is partially drained
	Connected to a Wi-Fi network		Battery is full
	Bluetooth is on (Gray)		Battery is charging
	Connected to a Bluetooth device (Blue)		Headset connected
	Airplane mode		Signal strength
	Alarm is set		No signal (Gray)
	GPS is on		

Notification icons

	New text or multimedia message		Missed call
	Problem with SMS or MMS delivery		Call on hold
	New Google Talk message		Call forwarding is on
	New voicemail		Uploading data
	Upcoming event		Downloading data
	Data is synchronizing		Download finished
	Song is playing		Select input method
	Screenshot error		An open Wi-Fi network is available
	USB tethering is on		Phone is connected via USB cable
	Portable Wi-Fi hotspot is on		Radio is on
	Screenshot captured		System update available
	Carrier data use threshold approaching or exceeded		Connected to VPN
	Call in progress		

Notification panel

Touch and drag down the Status bar to open the notification 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 to open quick settings bar and enable/disable functions or change modes.

Touch the icon  to clear all event-based notifications (other ongoing notifications will remain).

Touch  and then the Settings icon  to access **Settings**.

1.3.3 Search bar

The phone provides a Search function which can be used to locate information within applications, the phone or the web.



1 Search by text

- Touch 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.

2 Search by voice

- Touch  from Search bar to display a dialog 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 the phone screen by choosing slide or creating a variety of patterns, PIN or password.

To create a screen unlock pattern (refer to section “Screen lock” for detail settings)

- Drag down the notification panel and touch  and then the settings icon  to enter Settings, then touch **Security\Set up screen lock\Pattern**.
- Draw your own pattern.



Draw your unlock pattern

Touch to confirm by drawing pattern again

To create a screen unlock PIN/Password

- Touch **Settings\Security\Set up 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 **slide** as the screen lock, touch and drag the icon  right to unlock the screen.



1.3.5 Personalize your Home screen

Add

Touch the application tab , touch and hold an application or a widget to activate the Move mode, and drag the item to any Home screen as you prefer.

While adding an application to a Home screen, drag it to the top of **App info** icon to view its detail information. If the application is downloaded, drag it to the top of **Uninstall** icon to uninstall it directly.

Reposition

Touch and hold 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 Favorite tray. Hold the icon on the left or right edge of the screen to drag the item to another Home screen.

Remove

Touch and hold 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 red.

Create folders

To improve the organization of items (shortcuts or applications) on the Home screen and the Favorite tray, you can add them to a folder by stacking one item on top of another. To rename a folder, open it, touch the folder's title bar to input the new name.

Wallpaper customization

Touch and hold an empty area, a popup window named **Select wallpaper from** will appear, offering a range of options. **Gallery** includes pictures you have taken, cropped or downloaded. **Live wallpapers** includes a scrolling list of animated wallpapers. **Video wallpaper** includes preset videos in phone, videos stored in SD card and camera. **Wallpaper gallery** includes all preset wallpapers in the phone. Slide left and right to locate a desired image, touch **Set wallpaper** to confirm.

1.3.6 Application tab

Touch  on the Home screen to enter applications and widgets list.
To return to the Home screen, touch the **Home** key.

Consult recently-used applications

To consult recently-used applications, you can touch the **Recent apps** key. Touch a thumbnail in the window to open the related application. Touch one thumbnail and slide it to the left or right to delete it. You can also touch and hold the app and touch **Remove from list** to delete it.



1.3.7 Volume adjustment

Using volume key

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

Using Settings menu

Drag down the notification panel and touch  and then the settings icon  to enter Settings, then touch **Audio profiles\Volume** you can set the volume of calls renting, notification, system and etc. to your preference.

1.4 Applications and widgets list

This list contains all pre-embedded and newly installed applications and widgets.

To access the list, touch  from Home screens.

Touch the **Home** key or the **Back** key to return to a Home screen.

Slide left and right to view all applications and widgets. Touch **APPS**, **DOWNLOADED** or **WIDGETS** to access the category directly.

Touch the icon  to access the **Google play store**.

2 Text input.....

2.1 Using Onscreen Keyboard

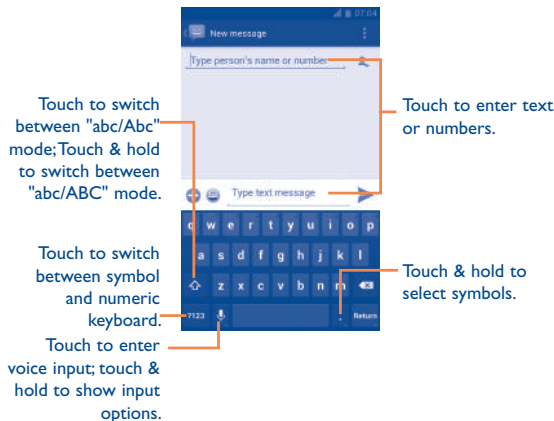
Onscreen Keyboard settings

On application list, **Settings\Language & input**, touch the **Settings** icon  on the right of **Android keyboard** a series of settings are available for your selection.

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 (On application list, touch **Settings\Display\Orientation**).

2.1.1 Android keyboard



2.2 Text editing

You can edit the text you have entered.

- Touch and hold or double-tap within the text you would like to edit.
- Drag the tabs to change the high-lighted selection.
- Options list will show as below, icons from left to right mean **Select all** , **Cut** , **Copy**  and **Paste**  (Paste icon will show after text selected and copied).
- Touch the icon .

You can also insert new text

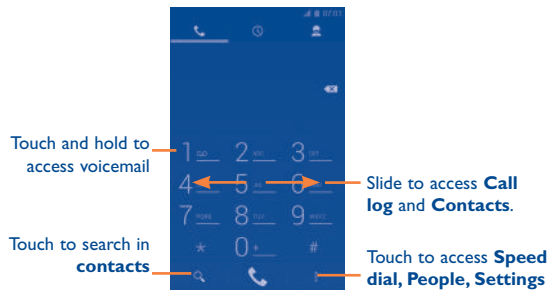
- Touch where you want to type, or touch and hold a blank space, the cursor will blink and the tab will show. Drag the tab to move the cursor.
- If you have selected any text, touch the tab to show **PASTE** icon which allows you to paste any text you have previously copied.

3 Phone call, Call log and Contacts

3.1 Phone

3.1.1 Placing a call

You can easily launch a call using **Phone**. Touch Application tab from the Home screen and select **Phone**.



Enter the desired number from the keyboard directly or select a contact from **Contacts** or **Call log** by sliding or touching tabs, then touch  to place the call.

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

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

To hang up a call, touch  or the **Power** key.

International call

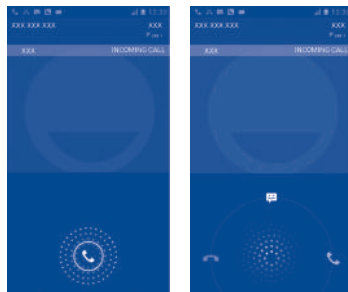
To dial an international call, touch and hold  to enter “+”, then enter the international country prefix followed by the full phone number and finally touch .

Emergency call

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

 For dual SIM mode, the default voice call SIM card is SIM1. Touch **Settings/SIM management/Default SIM** to select the default SIM card for voice call.

3.1.2 Answering or rejecting a call



When you receive a call, touch .

- Slide rightward to answer;
- Slide leftward to reject;
- Slide upward to reject the call by sending a preset message.

To mute the ringtone volume of an incoming call, press the **Volume up/down** key or turn the phone face down if **Turn over to mute** is activated. To activate, touch **Settings\Gestures\Turn over to mute** or touch **Phone\Settings\Other settings\Turn over to mute**.

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 consult at any time.

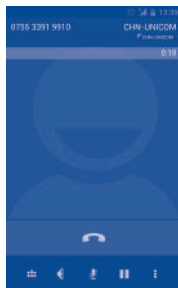
To access your voicemail, touch and hold  on **Phone** tab.

To set your voicemail number, touch  and touch **Settings\Voice call\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 Dialpad.



Touch to end the current call.



Touch to add a call or start recording.



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



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



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

3.1.5 Managing multiple calls

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

Swap calls

When you accept two calls, touch icon , you can now switch between two lines. The current call is put on hold and you have joined in the other call.

Conference calls ⁽¹⁾

You can set up a conference call.

- Place a call to the first participant of the conference call.
- Touch icon .
- Enter the phone number of the person you want to add to conference and touch icon . You can also add participants from **Contacts** or **Call log**.
- Touch icon  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, touch  to talk privately to the participant and hold on other participants.
- Touch  to end the conference call and disconnect all callers.

3.1.6 Call settings

Touch  and touch **Settings** from Dial screen, the following options are available:

Voice call

- **Voicemail**

Voicemail service

Opens a dialog box where you can select your carrier's voicemail service or another service.

Voicemail settings

If you are using your carrier's voicemail service, this opens a dialog box where you can enter the phone number to use for listening to and managing your voicemail. You can enter a comma (,) to insert a pause into the number — for example, to add a password after the phone number.

- **IP prefix number**

Enter prefix number Edit prefix number for IP dial.

- **Call forwarding**

Touch to configure how your calls are forwarded when you are busy, unanswered or unreachable.

- **Additional settings**

Caller ID

Opens a dialog 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.

Call waiting status

Check the call waiting status of your phone.

⁽¹⁾ Depending on your network operator.

Video call ⁽¹⁾

- **Local video replacement** You can pick a picture from your collection to display when Camera is unreachable.
- **Display peer video** Mark the checkbox to display a picture when peer video is unavailable.
- **Peer video replacement** Touch to set the picture to display when peer video.
- **Enable back camera** Mark the checkbox to enable cameras can be switched.
- **Bigger Peer video** Touch to enable a bigger view of peer.
- **Auto drop back** Mark the checkbox to active.
- **Outgoing video call** Touch to display local video when you place a call.
- **Incoming video call** Touch to display local video when receiving an incoming call.
- **Call forwarding** Touch to configure how your calls are forwarded when you are busy, unanswered or unreachable.

Additional settings

- **Caller ID** Opens a dialog 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.
- **Call waiting status** Check the call waiting status of your phone.

Internet call

For more information of Internet call, please refer to section **6.7 Configuring Internet (SIP) calling.**

⁽¹⁾ Depending on your model.

Other settings

• Fixed Dialing Numbers

Fixed Dialing 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.

Minute reminder

Mark the check box to enable minute reminder at 50s of every minute during a call.

Vibrate reminder

Mark the checkbox to enable vibration when the call is connected.

Turn over to mute

Marking the checkbox lets you mute the incoming calls by turning the phone over.

Dual mic noise reduction

Mark the checkbox to turn on dual mic for noise reduction.

Quick responses

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

TTY settings

TTY mode can be used by people who are deaf, have bad hearing or speech impairments.

After connecting the cell phone and a TTY machine, the machine will convert incoming speech to text for the person using the TTY and converts outgoing text from the TTY machine to spoken voice for the person on the other end of the conversation.

International dialing assist

Mark the checkbox to activate.

Power button ends call

Mark the checkbox to activate the function that press Power key to end a current call.

3.2 Call log

You can access your call memory by touching  from the Dial screen. Touch  on the right side of contact/number to place a call directly. There are three kinds of calls in Call log:

-  Missed calls
-  Outgoing calls
-  Incoming calls

Touch icons on top of call logs to change among different kinds.

Touch 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 **People** (only available for unsaved phone numbers), etc.

Touch the photo  to open the Quick Contact panel.

To clear the entire call memory, touch  and **Delete**.

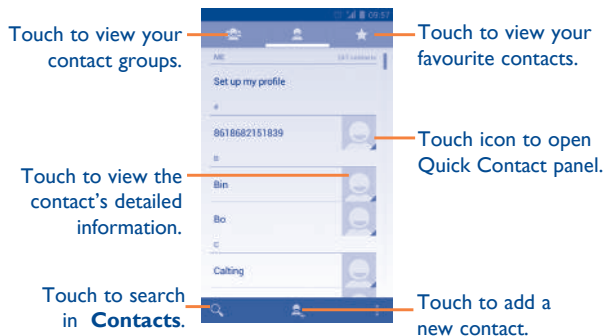
3.3 People

People app enables quick and easy access to the people you want to reach.

You can view and create contacts on your phone and synchronize these with your Gmail contacts or other applications on the web or on your phone.

3.3.1 Consult your contacts

To access **People** app, touch Application tab on the Home screen, then select **People**.



Touch  to display contacts list option menu.

Following actions are enabled:

- **Delete contact** Select and delete unwanted contacts.
- **Contacts to display** Choose contacts to display.
- **Import/Export** Import or export contacts between phone, SIM card, and microSD card, or share contacts.
- **Accounts** Manage the synchronization settings for different accounts.
- **Settings** Touch to set display mode of contacts.
- **Share visible contacts** Share contacts with others by sending the contact's vCard to them via Bluetooth, Email, SMS, etc.

3.3.2 Managing contact groups

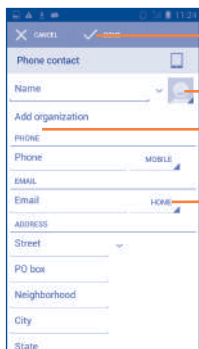
The contact group helps you to improve the organization of your contacts. You can add, remove and view groups in the **Contact group** screen.

Touch the icon  to view local groups. To create a new group, touch the icon , enter the new name and touch **Done** to confirm. If you have added accounts to your phone, touch the icon  to view groups in accounts.

3.3.3 Adding a contact

Touch the icon  in the contact list to create a new contact.

You are required to enter the contact's name and other contact information. By scrolling up and down the screen, you can move from one field to another easily.



Touch to save.

Touch to select a picture for the contact.

Touch to add a new label.

Touch to unfold the other predefined labels of this category.

If you want to add more information, touch **Add another field** to add a new category.

When finished, touch **Done** to save.

To exit without saving, you can touch **Cancel**.

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 (the star will turn white in color).

To remove a contact from favourites, touch the white star on contact details screen.

3.3.4 Editing your contacts

To edit contact information, touch in the contact details screen, then touch **Edit**. When finished, touch **Done**.

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, touch and hold the number you want to set as the default number from the contact's details screen, then select **Set default**. A appears after the number.

This choice is only available when the contact has more than one number.

Set ringtone for a contact

On the contact's detail screen, touch to display contacts list options menu, touch **Set ringtone**.

Delete a contact

To delete a contact, touch Menu icon and **Delete contact** from contact (details) screen. Select the contact(s) you want to remove and touch **OK** to confirm. Touch **0 selected/Select all** and then touch **OK** to select all contacts, touch **Cancel** to deselect.



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

3.3.5 Communicating with your contacts

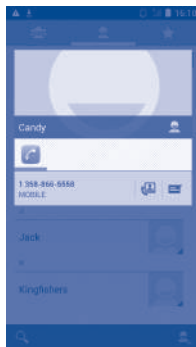
From the contacts list, you can communicate with your contacts by making a call or exchanging messages.

To launch a call to a contact, touch the contact to enter the detail screen, then touch the number.

To send a message to a contact, touch the contact to enter the detail screen, then 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 Quick Contact panel depend on the information you have for the contact and the applications and accounts on your phone.

3.3.6 Contacts importing, exporting and sharing

This phone enables you to import contacts from SIM card/microSD card and export contacts to a microSD card which can then be used to back up your information.

From Contacts screen, touch Menu icon  to open options menu, touch **Import/Export**, then select Phone, Internal storage, SD Card, SIM/USIM card, and other accounts (eg: gmail account).

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

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

You can share a single contact or contacts with others by sending the contact's vCard to them via Bluetooth, Gmail, etc.

Touch a contact you want to share, touch  and **Share** from contact details screen, then select the application to perform this action.

3.3.7 Displaying contacts

You can configure which group of contacts, for each account, you want to display in the Contacts list. Touch  and touch **Contacts to display** from contacts list screen, then you can choose contacts to display.

Touch  and **Settings**, you can sort list by Given name or Family name, as well as view contact names as first/last name first.

3.3.8 Joining/Separating contacts

To avoid duplication, you can add any new contact information to existing contacts in a single action.

Touch the contact which you want to add information to, touch  and touch **Edit**, then touch and hold the **Menu** key again and touch **Join**.

At this time, you are required to select 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  and touch **Edit**, then touch  again and touch **Separate**, touch **OK** to confirm.

3.3.9 Accounts

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

To add an account, drag down notification panel and touch  then the settings icon  to access **Settings**, then touch **Add account**.

You are required to select the kind of account you are adding, like Google, Corporate, etc.

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

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

Turn on/off the sync & Auto-sync

Touch an account to enter the account screen, mark/unmark the checkbox(s) to turn on/off the account's auto-sync. When activated, all changes to information on the phone or online will be automatically synchronized to each other.

Sync manually

You can also synchronize an account manually on **Accounts** screen, touch an account in the list, then touch  and touch **Sync now**.

4 Messaging, Email

4.1 Messaging.....

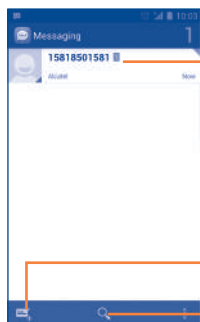
You can create, edit and receive SMS and MMS with this mobile phone.

To access this feature, touch Application tab from the Home screen, then select **Messaging**.

 All messages you receive or send out will be saved in phone memory as default. Touch **Menu** key from Messaging screen, then touch **Settings\Text message(SMS)\SMS storage location** to select where to save the messages; touch **Settings\Text message (SMS)\Manage SIM messages** to consult messages stored in SIM card.

4.1.1 Write message

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



• Touch to view the whole message thread.

• Touch & hold to active the delete mode. Touch message threads to choose deleted ones, and touch the trash bin to confirm.

Touch to create a new message

Touch to search in all messages



For saved contacts, touch the photo to open the **Quick Contact** panel to communicate with the contact. For unsaved contacts, touch the photo to add the number to your **Contacts**.

Sending a text message

Enter the mobile phone number of the recipient on **Type person's name or number** bar or touch  to add recipients, touch **Type text message** bar to enter the text of the message. When finished, touch  to send the text message. You can select a default SIM card or set always ask mode for messaging if two cards are inserted.

An SMS message of more than 160 characters will be charged as several SMS. When the total number of characters you have entered is approaching the 160-character limit, a counter will appear on the lower right corner below Send option of the text box to remind you how many characters are allowed to be entered in one message.



Specific letters (accent) will increase the size of the SMS, which 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 sounds to other compatible mobiles and e-mail addresses.

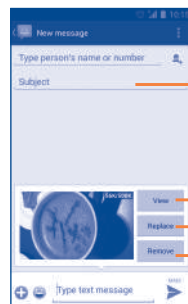
An SMS will be converted to MMS automatically when media files (image, video, audio, slides, etc.) are attached or subject or email addresses are added.

To send a multimedia message, enter the recipient's phone number in the **Type person's name or number** bar, touch **Type text message** bar to enter the text of the message. Touch  to open the option menu, touch **Add subject** to insert a subject, and touch  to attach picture, video, audio and so on.

When finished, touch  to send the multimedia message.

Attach options:

- **Pictures** Access Gallery application or File manager to select a picture as attachment.
- **Capture picture** Access Camera to capture a new picture for attaching.
- **Videos** Access Gallery application or File manager to select a video as attachment.
- **Capture video** Access Camcorder to record a new video for attaching.
- **Audio** Access to select an audio file as attachment.
- **Record audio** Enter voice message recorder to record a voice message for attaching.
- **Slideshow** Enter Edit slide show screen, touch **Add slide** to create a new slide, and touch currently existing slide to edit it (see following picture). Touch  to get more actions, like setting the slide duration, add music, etc.
- **Contact** Access **People** application to select one or more contact(s) to attach.
- **Calendar** Access **Calendar** application to select one or more event(s) to attach.



Touch to edit the subject.

Touch to view the slide.

Touch to replace the slide.

Touch to remove the slide.

4.1.2 Manage messages

When receiving a message, an icon  will appear on status bar as notification. Drag down the status bar to open the Notification panel, touch the new message to open and read it. You can also access the Messaging application and touch the message to open.

Messages are displayed in conversational order.

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

Touch and hold a SMS in message details screen. The following message options are available for selection:

- **Copy** This option displays when the message is an SMS. Copy the current message content. You can paste it to the enter bar of the new message you are going to compose.
- **Forward** Touch to forward the message to another recipient.
- **Delete message** Delete the current message.
- **Lock/Unlock message** Touch to lock/unlock the message so it can't/ can be deleted if you reach maximum number of stored messages.
- **View message details** Touch to view details of the message.
- **Select text** Touch to select the message text to copy, cut, add to dictionary, etc.
- **Save message to SIM card** This option displays when the message is an SMS. Touch to save the message to SIM card.

4.1.3 Adjust message settings

You can adjust a set of message settings. From Messaging application screen, touch  and touch **Settings**.

Text message (SMS)

- **Delivery reports** Select to request a delivery report for each text message you send.
- **Manage SIM Messages** Touch to manage messages stored on your SIM card.
- **Edit quick text** Touch to add or edit message templates.
- **SMS service centre** Touch to view or edit SMS service centre. Validity period Touch to set the validity period of messages.
- **SMS storage location** Touch to select phone or SIM card to store messages.
- **Alphabet management** Touch to set Alphabet management mode.

Multimedia message (MMS)

- **Group messaging** Mark the checkbox to send a single message to multiple recipients.
- **Delivery reports** Select to request a delivery report for each multimedia message you send.
- **Read reports** Select to request a report on whether each recipient has read a multimedia message sent by you.
- **Send read report** Select to request a report on whether the multimedia message is sent out.
- **Auto-retrieve** Select to download the full MMS message (including message body and attachment) automatically to your phone. Otherwise, download only the MMS message header.
- **Roaming auto-retrieve** Select to download the full MMS message (including message body and attachment) automatically when roaming. Otherwise, download only the MMS message header to avoid extra charges.
- **Creation mode** Touch to select creation mode as Restricted, Warning or Free.
- **Maximum message size** Select to edit the message size, but it should not be more than 500KB.
- **Priority** Touch to set priority as High, Normal or Low.

Notifications

- **Notifications** Select to display message notifications in status bar.
- **Mute** Touch to mute the message notification for 1 hour, 4 hours or 8 hours.
- **Select ringtone** Touch to select a ringtone as a new message notification tone.
- **Popup notification** Check the mark box to activate the popup for push notifications.

General

- **Chat wallpaper** Touch to select wallpaper for message background.
- **Message font size** Touch to select message font size.
- **Delete old messages** Select to delete old messages when the maximum number of stored messages is reached.
- **Text message limit** Touch to set the number of text messages to be saved per conversation.
- **Multimedia message limit** Touch to set the number of multimedia messages to be saved per conversation.
- **Cell Broadcast** Touch to choose a SIM card and configure cell.
- **Enable WAP PUSH** Select the check box to enable to receive WAP PUSH.

4.2 Gmail/Email

The first time you set up your phone, you can select to use an existing Gmail 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 synchronized 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 organized 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 a new one by touching  and touch **Settings** from Inbox screen, then touch **ADD ACCOUNT**. When finished, you can switch accounts by touching the account name from Inbox screen, and touch the account you want to view.

To create and send emails

- Touch the icon  from Inbox screen.
- Enter recipient(s)'s email address in **To** field, and if necessary, touch  and touch **Add Cc/Bcc** to add a copy or a blind copy to the message.

- Enter the subject and the content of the message.
- Touch  and select **Attach file** to add an attachment.
- Finally, touch the icon  to send.
- If you do not want to send the mail out right away, you can touch  and touch **Save draft** or touch **Back** key to save a copy. To view the draft, touch the icon , then select **Drafts**.

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

To add a signature to emails, touch  and 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 access the Gmail Inbox label and touch the new mail to read it.

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

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

To reply or forward emails

- **Reply** When viewing an email, touch  to reply the sender of this mail.
- **Reply all** Touch  and select “Reply all” to send message to all people in a mail loop.
- **Forward** Touch  and select “Forward” to forward the received mail to other people.

Managing Gmails by Labels

To conveniently manage conversations and messages, you can organize them using a Label.

To label a conversation when reading a conversation’s messages, touch the icon  and select the label to assign to the conversation.

To view conversations by labels when viewing your inbox or another conversation list, touch the icon , then touch a label to view a list of conversations with that label.

To manage labels, touch **MANAGE LABELS** from Labels screen.

Mark the checkbox to select email to activate batch mode, and produce the following options:

-  Touch to archive the email message. To display the archived messages, you can touch  in Inbox screen then touch **All mail**.
-  Touch to delete the email message.
-  Touch to add or change the label of the email message or conversation.
-  Touch to mark an email message as read or unread.
-  To assign a star or remove the star from the conversation.
- **Mark (not) important** To Mark the email as important or not important.
- **Mute** To mute the entire conversation. When muted, new mails related to this conversation will not be displayed in **Inbox**, but archived.
- **Report spam** To report the email message/conversation as spam.

Gmail settings

To manage Gmail settings, touch  and touch **Settings** in Inbox screen.

General settings

- **Confirm before deleting** Mark the checkbox to confirm before deleting emails.
- **Confirm before archiving** Mark the checkbox to confirm before archiving emails.
- **Confirm before sending** Mark the checkbox to confirm before sending emails.
- **Swiping conversation list** Touch to select the actions to swipe left or right when viewing conversations.
- **Reply all** Touch to mark the checkbox to make the default responding to messages.
- **Auto-fit messages** Touch to mark the checkbox to zoom in/out the messages to fit the screen.
- **Auto-advance** Touch to select which screen to show after you delete or archive a conversation.
- **Hide checkboxes** Mark the checkbox to hide checkboxes while selecting emails in the batch mode.
- **Message Actions** Touch to show/hide message actions.
- **Clear search history** Touch to remove the search history.
- **Hide pictures in messages** Touch to hide pictures for all senders.

Touch an account, the following settings will show:

- **Priority Inbox** To set this inbox as the default one.
- **Notifications** Select to activate notification when a new email arrives.
- **Inbox sound & vibrate** Touch to set Ringtone, Vibrate and Notify once.
- **Signature** To add a signature text to the end of each mail you send.
- **Gmail sync is ON** Touch to turn on/off Gmail sync.
- **Days of mail to sync** Touch to set the duration of days for mail sync.
- **Manage labels** Touch to open the Label screen, where you can manage synchronization and notifications.
- **Download attachments** Mark the checkbox to auto download attachments to recent messages via Wi-Fi.

4.2.2 Email



Besides your Gmail account, you can also set-up external POP3 or IMAP email accounts in your phone.

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

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

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

- 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.
- Enter the account name and display name in outgoing emails.
- To add another email account, you can touch  and touch **Settings**. Touch **Add account** on the right of the title to create.

To create and send emails

- Touch the icon  from Inbox screen.
- Enter recipient(s) email address(es) in **To** field.
- If necessary, touch  and touch **Add Cc/Bcc** to add a copy or a blind copy to the message.
- Enter the subject and the content of the message.
- Touch  and touch **Attach file** to add an attachment.
- Finally, touch  **to send**.
- If you do not want to send the mail right away, you can touch  and touch **Save draft** or touch **Back** key to save a copy.

4.3 Google Talk.....

Google's instant messaging service, Google Talk, lets you communicate with your friends whenever they are connected to this service.

To access this feature and sign in, touch Application tab from the Home screen, then touch **Talk**. All friends added by using Google Talk from the web or phone will be displayed in your friends list.

Touch your account to set your online status.

Touch the text box below your online status to enter your status message.

To sign out, touch  from Friends list to display options, then touch **Sign out**. Or you can also select **Sign out** from online status.

4.3.1 Chatting with your friends

To start a chat, touch the name of a friend in your Friends list, then enter your message and finally touch .

You can invite other friends to join in a group chat by touching  and touching **Add to chat** and then selecting the friend you want to add.

4.3.2 To add a new friend

From Friends list, touch the icon  to add a new friend. Enter the Google Talk ID or Gmail address of the friend you want to add, and then touch **Done**.

A notification with this invitation will be received by the friend. By touching the invitation, the friend can select **Block**, **Decline** or **Accept** in response.

4.3.3 To close a chat

When you want to end a chat, touch  from Chatting screen directly, and then touch **End chat**.

If you want to end all chats, touch  and **End all chats** from Friends list screen.

4.3.4 To manage your friends

Besides adding new friends to your friends list, the following actions are available for your choice:

- **To view all friends/ most popular friends** By default, only friends that you frequently communicate with are displayed in Friends list. To view all friends, touch  and touch **Display options**, then touch **Name**. To return to displaying most popular friends screen, touch **Availability** or **Recency** from **Display options**.
- **To block/Remove a friend** To block a friend from exchanging messages or remove them from your friends list, touch  and touch **Friend info** from Chatting screen, then touch **Block** or **Remove**. All blocked friends can be viewed by touching  and touching **Settings**, touch an account then choose **Blocked friends**. To unblock a friend, touch the name of this friend and touch **OK** when prompted.

4.3.5 Settings

A series of settings are available for your selection by touching  and touching **Settings** from Friends list screen, and choose an account.

- **Mobile indicator** Select to display an indicator icon along with your name in other people's Friends list.
- **Away when screen off** Select to set status as Away when the screen is turned off.
- **Invitation notifications** Select to activate the notification function on status bar when a new message arrives.
- **IM/Video chat notifications** Touch to set the notification way for text or Video chat.
- **Notification/Video chat ringtone** Touch to choose a ringtone for notification or Video chat.
- **Vibrate** Touch to set the vibrate way for text or Video chat.
- **Default video effect** Touch to set video image stabilisation.
- **Blocked friends** Touch to show/unblock blocked friends.
- **Clear search history** Touch to clear previous chat search history from showing up in the Search box.
- **Manage account** Touch to add, remove or sync your accounts.
- **Terms & privacy** Touch to show more information about **Talk**.

5 Calendar & Alarm clock & Calculator.....

5.1 Calendar

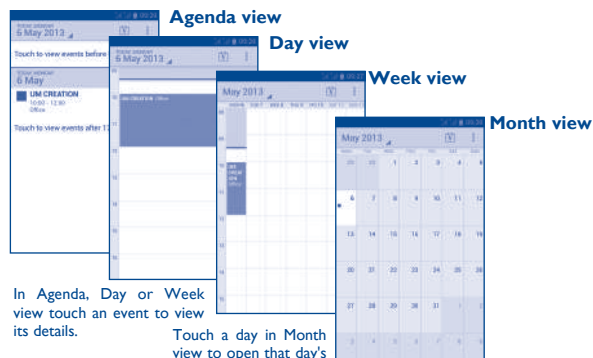
Use Calendar to keep track of important meetings, appointments, etc.

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

5.1.1 Multimode view

You can display the Calendar in daily, weekly, monthly, or agenda view.

Touch the date to change your Calendar view, and a drop-down menu will show for you to choose. Touch the icon  to return to Today's view.



In Agenda, Day or Week view touch an event to view its details.

Touch a day in Month view to open that day's events.

5.1.2 To create new events

You can add new events from any Calendar view.

- In portrait mode, touch  and touch **New event** from Calendar screen; or in landscape mode, touch the icon  to access new event edit screen.
- Fill in all required information for this new event. If it is a whole-day event, you can select **All day**.
- Invite guests to the event. Enter the email addresses of the guests you want to invite with commas to separate. The guests will receive an invitation from Calendar and Email.
- When finished, touch **DONE** from the top of the screen.

To quickly create an event from Day, Week view screen, touch and hold an empty spot or an event to open Option menu, then touch **New event** to enter the event details screen of the time you have previously selected. Or you can also touch the empty spot to select the target area which will turn blue, and tap again to create the new event.

5.1.3 To delete or edit an event

To share, delete or edit an event, touch the event to enter details screen, touch the icon  to share the event to other people by Bluetooth, Email and messaging, etc., touch the icon  to edit the event, and touch the icon  to delete.

5.1.4 Event reminder

If a reminder is set for an event, the upcoming event icon  will appear on 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 Calendar notification list.

Touch **Snooze all** to turn off all event reminders for 5 minutes.

Touch **Back** key to keep the reminders pending in the status bar and the notification panel.

Important options by touching  from Calendar main screen:

- **New event** To add a new event
- **Refresh** To refresh the calendar
- **Search** To search in the calendar
- **Calendars to display** To show or hide, remove or add calendars
- **Clear events** Touch to select an account and clear all events in this account.
- **Go to** Touch to select a day and view the events on this day.
- **Settings** To set a series of Calendar settings

5.2 Time.....

Your mobile phone has a built-in clock.

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

Touch  **Alarm** to add or set an alarm.

5.2.1 To set an alarm

From **Time** screen, touch  to enter **Alarm** screen, touch  to add a new alarm. Following options will show:

- **Time** Touch to set time.
- **Label** Touch to set a name for the alarm
- **Repeat** Touch to select days you want alarm to work
- **Ringtone** Touch to select a ringtone for the alarm
- **Vibrate** Select to activate vibration

Touch and hold on a currently existing alarm and touch  to delete the selected alarm.

5.2.2 To adjust alarm settings

Touch Menu key  from **Alarm** screen then touch **Settings**. The following options can now be adjusted:

- **Style** Touch to select display by Analog or Digital.
- **Automatic home clock** Mark the checkbox to active, the phone will automatically add a clock in home time zone when you traveling in an area where the time zone is different.
- **Home time zone** Touch to set home time zone.
- **Auto-silence** Touch to set the duration of alarms
- **Snooze duration** Touch to set temporary turn off time of an alarm
- **Alarm volume** Touch to set alarm volume.
- **Volume buttons** Touch to set side **Volume up/down** key behaviors when alarm sounds: **None**, **Snooze** or **Dismiss**

5.3 Calculator



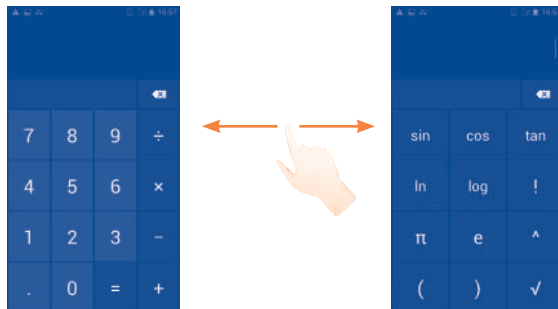
With Calculator, you can solve many mathematical problems.

To access this function, touch 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 touch  from basic panel to open option menu and touch **Advanced panel**.



Enter a number and the arithmetic operation to be performed, enter the second number, then touch “=” to display the result. Touch  to delete digits one by one, touch and hold  to delete all at one time.

When some numbers or operations have been entered, touch and hold the entering bar to open a menu offering these further operations:

- **Cut** To cut selected text
- **Copy** To copy selected text
- **Paste** ⁽¹⁾ To paste what you have previously copied to the entering bar

⁽¹⁾ Option will not appear unless copy or cut operation has been made.

6 Getting connected.....

To connect to the internet with this phone, you can use GPRS/EDGE/3G networks or Wi-Fi, whichever is most convenient.

6.1 Connecting to the Internet

6.1.1 GPRS/EDGE/3G

You can touch  on notification panel to connect the network.

To check the network connection you are using, drag down notification panel and touch  then the settings icon  to access **Settings**, then touch **More...**\Mobile networks\Access Point Names or **Network operators**.

To create a new access point

A new GPRS/EDGE/3G network connection can be added to your phone with the following steps:

- Drag down notification panel and touch  then the settings icon  to access **Settings**.
- Touch **More...**\Mobile networks\Access Point Names
- Then touch  again and touch **New APN**.
- Enter the required APN information.
- When finished, touch  and touch **Save**.

To activate/deactivate Data roaming

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

- Drag down notification panel and touch  then the settings icon  to access **Settings**.

- **SIM management\Roaming\Data roaming.**
- Mark/Unmark the checkbox to activate or deactivate data roaming.
- When Data roaming is deactivated, you can still perform data exchange with a Wi-Fi connection (refer to “6.1.2 Wi-Fi”).

6.1.2 Wi-Fi

Using 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

- Drag down notification panel and touch  then the settings icon  to access **Settings**.
- Touch the switch  beside Wi-Fi to turn on/off Wi-Fi.
- Touch **Wi-Fi**, the detailed information of detected Wi-Fi networks is displayed in the Wi-Fi networks section.
- Touch a Wi-Fi network to connect. If the network you selected is secured, you are required to enter a password or other credentials (you may contact your network operator for details). When finished, touch **Connect**.

To activate notification when a new network is detected

When Wi-Fi is on and the network notification is activated, the Wi-Fi icon will appear on the status bar whenever the phone detects an available wireless network within range. The following steps activate the notification function when Wi-Fi is on:

- Drag down notification panel and touch  then the settings icon  to access **Settings**.
- Touch **Wi-Fi**. Then touch  and touch **Advanced** from Wi-Fi screen.
- Mark/Unmark the **Network notification** checkbox to activate/deactivate this function.

To add a Wi-Fi network

When Wi-Fi is on, you may add new Wi-Fi networks according to your preference.

- Drag down notification panel and touch  then the settings icon  to access **Settings**.
- Touch **Wi-Fi**, and then touch .
- Enter the name of the network and any required network information.
- Touch **Save**.

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.

- Turn on Wi-Fi, if it's not already on.
- In the Wi-Fi screen, touch & hold the name of the saved network.
- Touch **Forget network** in the dialog that opens.

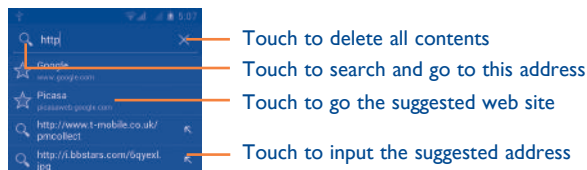
6.2 Browser.....

Using Browser, you can enjoy surfing the Web.

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

To go to a web page

On Browser screen, touch the URL bar at the top, enter the address of the web page.



The URL bar will hide after a few seconds. To show the URL bar, you can touch and slide down the screen.

To set homepage

- Touch  from Browser screen to display option menu, touch **Settings\General\Set home page**.
- Choose a page or most visited website as your homepage.
- If you choose **Other**, enter the URL of the website you want to set as your homepage, touch **OK** to confirm.

6.2.1 Viewing web pages

When opening a website, you can navigate on web pages by sliding your finger on the screen in any direction to locate the information you want to view.

To zoom in/out of a web page

Pinch/Spread your finger on the screen to zoom out/in of the web page.

To quickly zoom into a section of a web page, double-tap on the section you want to view. To return to normal zoom level, double-tap again.

To find text on a web page

- Touch  from web page screen, then touch **Find on page**.
- Enter the text or phrase you want to find.
- The first word with matching characters will be highlighted on the screen, and subsequent matches will be boxed.
- Touch the up or down arrow to switch to the previous or next matching items.
- When finished, you can touch  or the **Back** key to close the search bar.

Further operations for the text on a web page

You can copy, share or search the text from a web page:

- Touch and hold the text to highlight the text.
- Move the two tabs two tabs to select the text.
- Touch **SELECT ALL** to select all words in this web screen.
- Touch  to show further actions, including copy, share and search on the page or the web.
- When finished, touch  or the **Back** key to deactivate the mode.

To open new window/switch between windows

Multiple windows can be opened at the same time for your convenience.

- Touch  to open all windows' thumbnails.
- Slide up and down to view all windows, touch one to view it.
- Touch  to open a new window.
- Touch  and touch **New incognito tab** to open a window without any trace.
- To close a window, touch  on the window you want to close or slide it sideways.

Other options:

- **Refresh** To refresh the current page.
- **Stop** To stop opening the current page.
- **Home page** To get back to the homepage you set.
- **Save to bookmarks** To add the current website page as bookmark.
- **Close** To close all tabs and exit.
- **Save for offline reading** To save the web page for offline reading. You can find it by touching  and then touching **Bookmarks/History/Save pages**.
- **Share page** To share the current page with your friends via various ways, like Message, Email, Bluetooth, etc.
- **Find on page** To input contents you want to find on the current page.
- **Request desktop site** To enable/disable computer version websites.
- **Bookmarks/History** To see the bookmarks and browsing history.
- **Version** To see the version of browser.



Touch the icon on the left of the URL, you can view more information about the current page.

6.2.2 Manage links, history, downloads

To manage a link, phone number or address displayed on a web page

- **Link** Touch the link to open the web page.
Touch and hold the link to open options for further operation, like open in new window, save link, share link, copy link, etc.
- **Phone number** Touch to call the phone number.
- **Address** Touch to open Google Maps and locate the address.

To view Browser history

- Touch  from Browser screen
- Touch **Bookmarks/History**
- Touch **History** tab to view browser history.
- Touch **Saved pages** to view the pages you saved.

To download a web application/view your downloads

Before downloading a web application, you need to enable your phone to install web applications (touch  from the Home screen, touch **Settings/Security**, mark checkbox of **Unknown sources**, finally touch **OK** to confirm).

To download an item, touch the item or the link you want to download.

To cancel a download, touch the downloaded item from the Notification panel, select the item to be cancelled, and touch  to confirm.

To view items you have downloaded, touch the Application tab, then touch the application **Downloaded**.

Manage bookmarks

To bookmark a web page

- Open the web page you want to bookmark.
- Touch  and touch **Save to bookmarks**, or from the **History** screen, touch the star beside the URL.
- Enter the name and the location if needed and touch **OK** to confirm.

To open a bookmark

- Touch  and touch **Bookmarks/History**, or touch the icon  and touch  to enter the **Bookmarks** screen.
- Touch the bookmark you want to open.
- You can also touch and hold to display the options screen, then touch **Open** or **Open in new window**.

To edit a bookmark

- Touch  and touch **Bookmarks**, or touch the icon  and touch  to enter the **Bookmarks** screen.
- Touch and hold the bookmark you want to edit.
- Touch **Edit bookmark**, and enter your changes.
- When finished, touch **OK** to confirm.

Touch and hold a bookmark in the bookmark list to view these additional options:

- **Add shortcut to Home** To add a bookmark shortcut to the Home screen.
- **Share link** To share the bookmark.
- **Copy link URL** To copy the bookmark link.
- **Delete bookmark** To delete a bookmark.
- **Set as homepage** To set this page as the homepage.

6.2.3 Settings

A series of settings are available for your adjustment. To access Browser settings, touch  from Browser screen, and touch **Settings**.

General

- **Set home page** Touch to set homepage.
- **Form auto-fill** Mark the checkbox to fill out web forms with a single touch.
- **Auto-fill text** Touch to set up text to auto-fill in web forms.

Privacy & security

- **Clear cache** Touch to clear locally cached content and databases.
- **Clear history** Touch to clear the browser history.
- **Show security warnings** Mark to show warning if there is a problem with a site's security.
- **Accept cookies** Mark to allow sites to save and read cookie data.
- **Clear all cookie data** Touch to clear all browser cookies.

- **Remember form data** Mark to remember data in forms for later use.
- **Clear form data** Touch to clear all the saved form data.
- **Enable location** Mark to allow sites to request access to your location.
- **Clear location access** Touch to clear location access for all websites.
- **Remember passwords** Mark to save usernames and passwords for websites.
- **Clear passwords** Touch to clear all saved passwords.
- **Enable notifications** Touch to set if remember website notification access information.
- **Clear notification** Touch to delete website notification access information.

Accessibility

- **Force enable zoom** Mark to control a website's zoom as you prefer.
- **Text scaling** Slide to change the size of the text display.
- **Zoom on double-tap** Slide to change the magnification level when double-tapping the page.
- **Minimum font size** Slide to change the minimum font size.
- **Inverted rendering** Mark to display pages in invert color.
- **Contrast** Slide to change pages contrast. It is grey, unless you mark **Inverted rendering**.

Advanced

- **Set search engine** Touch to select a search engine.
- **Open in background** Mark to open new windows behind the current one.
- **Enable JavaScript** Mark to enable JavaScript.
- **Allow multiple tabs per app** Mark to allow one app use multiple tabs.
- **Enable plug-ins** Mark to enable plug-ins.
- **Website settings** Touch to view advanced settings for individual websites.
- **Default zoom** Touch to select the magnification level by default.
- **Open pages in overview** Mark the checkbox to open web pages zoomed out, in an overview.
- **Auto-fit pages** Mark to format web pages to fit the screen.
- **Block pop-up windows** Mark the checkbox to prevent pop-up windows.
- **Text encoding** Touch to select the character-encoding standard.
- **Reset to default** Touch to clear all browser data and to reset all settings to default.

Bandwidth management

- **Search result preloading** Touch to enable/disable browser to preload search results in the background.
- **Web page preloading** Touch to enable/disable browser to preload the linked web pages in the background.
- **Load images** Mark to display images on web pages.

Labs

- **Quick controls** Mark to enable quick controls.
- **Full screen** Mark to use the full screen mode.

6.3 Connecting to Bluetooth devices ⁽¹⁾

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, drag down notification panel and touch  then the settings icon  to access **Settings**. Then touch **Bluetooth**, your device and other available ones will show on the screen.

⁽¹⁾ You are recommended to use Panasonic P51 Bluetooth headsets, which have been tested and proved compatible with phone.

To turn on Bluetooth

- Drag down notification panel and touch  then the settings icon  to access **Settings**.
- Touch  to activate/deactivate this function.

To make your phone more recognizable, you can change your phone name which is visible to others.

- Drag down notification panel and touch  then the settings icon  to access **Settings**.
- Touch **Bluetooth**.
- Touch  and touch **Rename phone**.
- Enter a name, and touch **Rename** to confirm.

To make device visible

- Drag down notification panel and touch  then the settings icon  to access **Settings**.
- Touch **Bluetooth**.
- Touch your device to make it visible or invisible.
- Touch  and touch **Visibility timeout** to select the visible time.

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.

- Drag down notification panel and touch  then the settings icon  to access **Settings**.
- Touch **Bluetooth**
- Touch **SEARCH FOR DEVICES**
- Touch a Bluetooth device you want to be paired with in the list.
- A dialog will popup, touch **Pair** to confirm.
- If the pairing is successful, your phone connects to the device.

To disconnect/unpair from a Bluetooth device

- Touch the Settings icon  beside the device you want to unpair.
- Touch **Unpair** to confirm.

6.4 Connecting to a computer

With the USB cable, you can transfer media files and other files between micro SD card/internal storage and computer.

Before using MTP or PTP you should firstly mark **USB debugging**.

- To access this function, touch **Settings\About phone**, then touch **Build number** 7 times. Now you may touch **Settings\Developer options\USB debugging**.

To connect/disconnect your phone to/from the computer:

- 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.
- If you use mass storage, open the Notification panel and touch **USB connected**, then touch **Mount** in the dialog that opens to confirm that you want to transfer files.
- If you use MTP or PTP, your phone will be automatically connected.

To disconnect (from mass storage):

- Unmount the microSD card on your computer.
- Open the Notification panel and touch **Turn off**.



For the operating system Windows XP or lower, you should download and install Windows Media Player 11 on your computer.

To locate the data you have transferred or downloaded in the internal storage:

- Touch Application tab from the Home screen to open the applications list.
- 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 applications into your phone, etc.

To format a microSD card

- Drag down notification panel and touch  then the settings icon  to access **Settings**.
- Touch **Storage**.
- Touch **Format SD card**. On the screen a popup warns you that formatting the microSD card will erase its contents, touch .

6.5 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.



The functions below may incur additional network 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 along with your phone to connect the phone to a USB port on your computer.

- Drag down notification panel and touch  then the settings icon  to access **Settings**.
- Touch **More...|Tethering & portable hotspot**.
- Mark/unmark the checkbox of **USB tethering** to activate/deactivate this function.

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

- Drag down notification panel and touch  then the settings icon  to access **Settings**.
- Touch **More...|Tethering & portable hotspot**.
- Touch the switch  beside **Wi-Fi hotspot** to activate/deactivate this function.

To rename or secure your portable hotspot

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

- Drag down notification panel and touch  then the settings icon  to access **Settings**.
- Touch **More...|Tethering & portable hotspot|Wi-Fi hotspot**.
- Touch **Set up Wi-Fi hotspot** to change the network SSID or set your network security.
- Touch **Save**.

6.6 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

- Drag down notification panel and touch  then the settings icon  to access **Settings**.
- Touch **More...VPN settings** and then touch .
- In the screen that opens, follow the instructions from your network administrator to configure each component of the VPN settings.
- 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:

- Drag down notification panel and touch  then the settings icon  to access **Settings**.
- Touch **More...VPN settings**.
- VPNs you have added are listed; touch the VPN you want to connect with.
- In the dialog that opens, enter any requested credentials and touch **Connect**.

To disconnect:

- Open the Notification panel and touch the resulting notification for the VPN disconnection.

To edit/delete a VPN

To edit a VPN:

- Drag down notification panel and touch  then the settings icon  to access **Settings**.
- Touch **More...VPN settings**.
- VPNs you have added are listed; touch & hold the VPN you want to edit.
- Touch **Edit profile**.
- After finished, touch **Save**.

To delete:

- Touch and hold the VPN you want to delete, in the dialog that opens, touch **Delete profile**.

6.7 Configuring Internet (SIP) calling

You can place/receive voice calls via the Internet when connected to a Wi-Fi network, rather than via your mobile network. You should configure a valid internet account before using this feature. Refer to section 3.1.1 **Placing a call** to learn more about placing an internet call.

To add an internet calling account

- Touch the Application tab from the Home screen and then select **Phone**.
- Touch  and then touch **Settings\Internet call\Use Internet call**.
- Mark the checkbox to enable Internet calling.
- Touch **Accounts**, then touch **ADD ACCOUNT** tab.
- In the screen that opens, follow the instructions from your internet calling service provider to configure the settings for your account.
- When finished, touch **SAVE** to confirm or touch **DISCARD** to cancel.

To edit/remove an internet calling account

To edit:

- Touch the Application tab from the Home screen and then select **Phone**.
- Touch  and then touch **Settings\Internet call\Accounts**.
- Accounts you have added are listed; touch the account you want to edit.
- Edit your chosen settings. When finished, touch **SAVE**.

To remove:

- Touch the account you want to remove.
- Touch  and touch **Remove account**.

To configure your phone to receive Internet calls

Receiving Internet incoming calls is off by default to reduce power consumption.

- Touch the Application tab from the Home screen and then select **Phone**.
- Touch **Settings\Internet call\Accounts\Receive incoming calls**.
- Mark/Unmark the checkbox to activate/deactivate this function.

7 Google Play Store ⁽¹⁾



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

To open Google Play Shop:

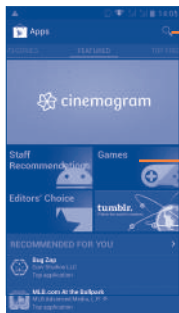
- Touch Application tab from the Home screen, then touch **Play Store**.
- For the first time you access Google Play Shop, a screen with terms of service pops up for your attention, touch **Accept** to continue.

Touch  then touch **Help** to enter Google Play Shop help page for more information on this function.

7.1 Locate the item you want to download and install

Google Play Shop home page provides several ways to find applications. It showcases applications and games in categorized listings.

Touch  and touch **My apps** to see all your downloads.



Touch to search in **Play Store**.

Slide left and right to see all categories.

Touch a category on Google Play Shop screen to browse its contents. You can also select a subcategory if there is any. Within each category you can select to view items sorted by Top paid, Top free, Top grossing, etc



Touch the Google Play Shop icon  on the top left of the screen or touch **Back** key to return to the previous screen.

7.2 Download and install

To download & install:

- Navigate to the item you want to download, and select to enter the details screen from which you can read its description, overall rating or comments, view developer's information, etc.
- Touch **Install** to preview the functions and data the application can access on your phone if you install it.
- Touch **Accept & download**.

⁽¹⁾ Depending on your country and operator.

- The progress of the download will show on the details screen, touch  to stop downloading the item. You can also access this screen through Notification panel.
- After download and installation have finished, you will see a notification icon  on the status bar.



Be especially cautious with applications that have access to many functions or to a significant amount of your data. Once you accept, you are responsible for results of using this item on your phone.

To open the application you have downloaded:

- On Google Play Shop screen, touch  and touch **My apps**.
- Touch the installed application in the list, then touch **Open**.

To buy an application⁽¹⁾

On **Google Play Shop**, some applications are labeled as free, while some of them are to be paid for before downloading and installing.

- Touch the application you want to buy.
- Touch the price on the up-right of the screen to preview the functions and data the application can access on your phone if you install it.
- Touch **Continue** to confirm.
- When making your first purchase, you are required to input your credit card information and to log in to Google payment and billing service.
- If your account has multiple credit card accounts, select one to proceed.

- Select the Terms of service link and read the document. When finished, touch **Back** key.
- Mark the checkbox if you agree with the terms of service.
- Touch **Buy now** at the bottom of the screen.

When finished, Android downloads the application.

To request a refund

If you are not satisfied with the application, you can ask for a refund within 15 minutes of the purchase. Your credit card will not be charged and the application will be removed. If you change your mind, you can install the application again, but you will not be able to request a refund.

- Touch  and touch **My apps** from Google Play Shop screen.
- Touch the application that you want to uninstall and refund.
- Touch **Refund** to uninstall the application and refund. If the button becomes **Uninstall**, your trial period has expired.
- In the survey form, select the answer that best matches your reason, and touch **OK**.

7.3 Manage your downloads

After you downloaded and installed an application, the following further operations are available for your selection.

View

On Google Play Shop screen, touch  and touch **My apps**.

Uninstall

On Google Play Shop screen, touch  and touch **My apps**. Touch the application you want to uninstall to enter the details screen, touch **Uninstall**, and finally touch **OK** to confirm.

⁽¹⁾ Google Paid applications may not be available to users in some countries.

Refund

On Google Play Shop screen, touch  and touch **My apps**. Touch the application you want to uninstall for a refund, touch **Refund**, and finally touch **OK** to confirm.

Update notification

On Google Play Shop screen, touch  and touch **My apps**. Touch  and touch **Settings\Notifications** to enable update notification.

Auto update

To auto update all installed applications, touch  and touch **My apps** from Google Play Shop screen. Touch  and touch **Settings\Auto-update apps** to enable this function.

To auto update one specific application, mark the checkbox of **Allow automatic updating** from the details screen,

Rate and review

Open the details screen for an application, touch the stars  under **RATE & REVIEW** to award and input comments, touch **OK** to confirm.

Flag

You can report an inappropriate application to Google Play Shop by flagging it. Open the details screen for the application, scroll to the bottom and touch **Flag as inappropriate**, enter the reason and finally touch **Submit**.

8 Multimedia applications

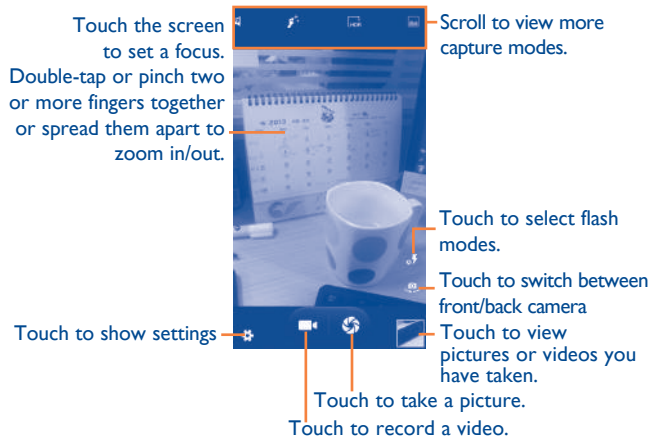
8.1 Camera



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

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

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



To take a picture

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

To shoot a video

First position the object or landscape in the viewfinder, and touch  icon to start recording. Touch the **back** key to stop recording. The video will be automatically saved.

Further operations when viewing a picture/video you have taken

- Touch the icon of gmail, Bluetooth, MMS, etc to share the photo or video you have taken.
- Touch the photo icon to access **Gallery**.

8.1.1 Settings in framing mode

There are 8 capture modes can select which showed on top of the capture screen. Touch the icon to switch capture mode; touch and hold the icon can view more about the mode.

-  Touch to switch to exposure compensation shot mode.
-  Touch to switch to Best Shot mode.
-  Touch to switch to Smile mode.
-  Touch to switch to Automatically Scene Detector(ASD) mode.
-  Touch to switch to Multi angle view mode.
-  Touch to switch to Panorama mode.
-  Touch to switch to Face beautification mode.
-  Touch to switch to High-Dynamic Range(HDR) mode.
-  Touch to switch to Normal mode.

Before taking a photo/shooting a video, touch the icon  to adjust a number of settings in framing mode.

General settings

- **GPS location info** Touch to turn on/off GPS location.
- **Shutter sound** Touch to turn on/off shutter sound.
- **Exposure** Touch to adjust the value of exposure.
- **Color effect** Touch to select different color effects.
- **Scene Mode** Touch to select modes like Night, Party, etc.
- **White balance** Touch to adjust color in different lights: Auto, Incandescent, Daylight, Fluorescent, Cloudy, etc.
- **Image property** Touch to adjust image property.
- **Anti-flicker** Touch to select anti-flicker modes.
- **Restore to defaults** Touch to restore camera settings to default.

Camera settings

- **Zero shutter delay** Touch to turn on/off zero shutter delay function.
- **Face detection** Touch to turn on/off face detection function.
- **Timer** Touch to select pause duration before capturing pictures.
- **Capture number** Touch to select capture number.
- **Picture size** Touch to select picture size.
- **Preview size** Touch to select preview size.
- **ISO** Touch to select ISO modes.

Camcorder settings

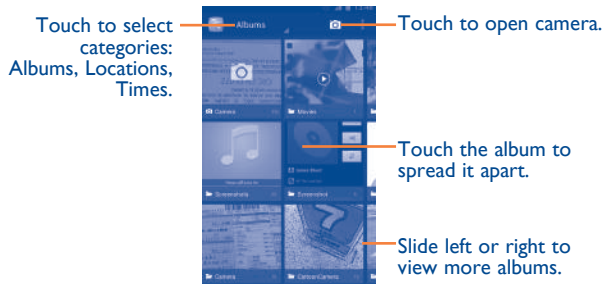
- **EIS** Touch to turn on/off EIS.
- **Microphone** Touch to turn on/off microphone.
- **Audio mode** Touch to select audio mode.
- **Time lapse interval** Touch to select lapse interval.
- **Effects** Touch to select different video effects.
- **Video quality** Touch to set Video quality.

8.2 Gallery.....



Gallery acts as a media player for you to view photos and playback videos. In addition, a set of further operations to pictures and videos are available for your choice.

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



To view a picture/play a video

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

Touch to return to gallery's main screen



- Touch an album and all pictures or videos will spread the screen.
- Touch the picture/video directly to view or play it.
- Slide left/right to view previous or next pictures/videos.

Working with pictures

You can work with pictures by rotating or cropping them, sharing them with friends, setting them as contact photo or wallpaper, etc.

Locate the picture you want to work on, touch the picture from full-screen picture view. Slide the picture bar below left and right to select one, touch icon  to share the picture, touch  and touch **delete** to delete the picture.

Touch  from full-screen picture view, more options will show for you to choose.

Touch  and choose Edit to edit a picture.



- 1 Touch to save the picture when the edit is done.
- 2 Touch to adjust the color: Punch, Vintage, B/W, etc.
- 3 Touch to choose frame.
- 4 Touch to see more edit options: Straighten, Crop, Rotate, etc.
- 5 Touch to adjust white balance: Exposure, Vignette, Contrast, etc.

 After activating the crop mode, the cropping square appears in the middle of the picture. Select the portion to crop, touch **Apply Crop** and **Save** to Save, touch to exit without saving. During edit, touching  to select Undo, Redo, etc.

Batch operation

Gallery provides a multi-select function, so that you can work with pictures/videos in batches.

Open the main Gallery window or an album, touch menu icon  and **Select album** or **Select item** to activate batch operation mode (you can also touch and hold one album/picture), then touch albums/pictures you want to work on. Touch  icon to perform further actions, such as delete. Touch  to share selected ones.

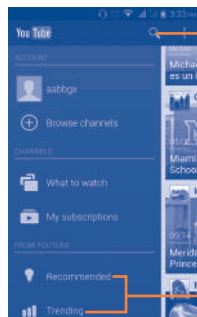
8.3 YouTube

YouTube is an online video-sharing service where the user can download, share and view videos. It supports a streaming function that allows you to start watching videos almost as soon as they begin downloading from the Internet.

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

 As an online video service, your phone must have a network connection to access YouTube.

All videos in YouTube are grouped into several categories, like Most Popular, Most Discussed, Featured Videos, etc.



Touch to search for a video.

Touch to access video list.

By touching  from YouTube screen, you can set General settings and Search settings for YouTube. For details about these features, please visit the YouTube website: www.YouTube.com

8.3.I Watch videos

Touch a video to play it. In the Playing screen, you can view information and video comments, and also browse links to related videos. You can also rate, share, label as favorite, create a new playlist, etc from this screen.

To exit video playing screen, touch **Back** key to return to the video list.

8.4 Music

Using this menu, you can play music files stored in the microSD card or in your phone. Music files can be downloaded from computer to microSD card by using a USB cable.

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

You will find four categories in which all songs are classified: **Artists**, **Albums**, **Songs** and **Playlists**. Slide left and right to view all. Touch  and touch **Shuffle all** to shuffle all songs.

8.4.I Playing music

Touch a song or touch **Play** from drop-down menu to play the song.



- 1 Touch to play the current playlist in shuffle mode (tracks are played in random order).
- 2 Touch to skip to the previous track in the album, playlist, or shuffle.
- 3 Touch to pause/resume playback.
- 4 Touch to skip to the next track in the album, playlist, or shuffle.
- 5 Touch to select repeat mode: Repeating all songs, Repeating current song, or Repeat is off.
- 6 Touch to show the playing song.
- 7 Touch to hide options.

Touch the **Menu** icon, more options will show:

- **Party shuffle** Touch to play the current playlist in party shuffle mode.
- **Add to playlist** Touch to add the playing song to other playlist.
- **Use as ringtone** Touch to set the playing song as ringtone.
- **Delete** Touch to delete the playing song.
- **Library** Touch to view all songs.
- **Search** Touch to search music in playlist.
- **Shake to switch songs** Mark the checkbox to active the function the shake towards left or right to switch songs.



While playing songs with Play Music, the operation of pause, play or skip is still available even if the screen is locked.

8.4.2 Working with playlists

Playlists allow you to conveniently organize all songs stored in the SD card.

You can create a new playlist, add a song to the list, and delete or rename a playlist.

To create a playlist

Touch **Recently added** from Playlists screen, touch  and then touch **Save as playlist**, enter the name and finally touch **Save**.

To delete a playlist

Touch and hold a playlist to show the menu, then touch **Delete**.

8.5 Video Player



To access this function, touch 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, use Pause, Stop or Loop as required, touch a point on the timeline to jump to and play from. Touch  switch to play the video in full screen.

9 Google Maps



9.1 Get My Location

9.1.1 Choose a data source to decide My Location

Drag down notification panel and touch  then the settings icon  to access **Settings**, touch **Location access**.

Mark the checkbox of **Google's location service** to set Wi-Fi and/or mobile networks as My Location data source.

Or mark the checkbox of **GPS satellites** to set GPS as My Location data source.

9.1.2 Open Google Maps and view My Location

Touch Application tab from the Home screen, then touch **Maps**.

Touch  icon on the map to view **My Location**.

The map will then center on a blue dot with a blue circle around. Your actual position is within the blue circle.



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.

To clear the map history, touch  and touch **Clear Map**.

9.2 Search for a location

While viewing a map, touch the search icon  to activate search function.

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.



Touch to show more information

Touch to show all search results list

9.3 Star a location

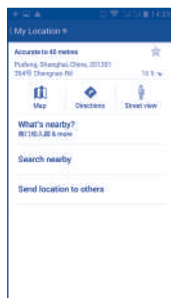
Just like bookmarking a web address on the Internet, you can star any position on the map for later use.

9.3.1 How to star (or unstar) a location

Touch a location on a map

Touch the address rectangle that opens

Touch the gray star at the top of the screen to star the location. (Or touch a gold star to unstar that location.)



9.3.2 View a list of starred items

Touch **Map** at the upper-left corner, and touch **My Places**.

The list of your starred items and their addresses opens.

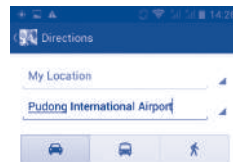
Touch a location in the list to view it .

Touch  and touch **Refresh** to update the list.

9.4 Get driving, public transportation or walking directions

9.4.1 Get suggested routes for your trip

Touch icon  from Maps screen.



- Touch enter bar or the triangle to edit your start point by one of the following methods: entering an address, using My Location, selecting a start point on a map, selecting a starred item, selecting an address from your contacts or using search history.
- Do likewise for your end point.
- To reverse directions, touch  and touch **Reverse Start & End**.
- Then select a transport mode: driving by car, using public transportation, or walking directions.
- Finally touch **GET DIRECTIONS**.
- A couple of suggested routes will appear in a list. Touch any routes to view their respective detailed directions.

To get reverse directions for a route you've already made, simply open that route's directions window and touch  and touch **Reverse**. No need to enter your start point and end point again.

9.4.2 Preview suggested routes and decide on a route more preferable or feasible to you

You can preview each turn in your route in Navigation, Satellite, and other views.

- Touch a left or right arrow to preview the next or previous leg of your route.
- You can view turn-by-turn directions, estimated distance and possible arrival time in a list by touching **DIRECTIONS LIST**, touch **Back** key or **MAP VIEW** to return to previous view.

When selecting a more preferable or feasible route, distance and time will be the two most important factors for your evaluation. Distance and estimated time will be displayed at the top of the directions screen.

9.4.3 Search for locations along your route

Please refer to “9.2 Search for a location” for detailed information.

9.5 Arrangement of Layers

Layers allow you to view locations and additional information overlaid on the map. You can add multiple layers or remove only certain layers so you control exactly what information you want visible on the map at one time.

9.5.1 To view multiple layers

Touch icon  from Maps screen. All available layers are listed (like Traffic, Satellite, Terrain, etc), select one to view.

9.5.2 To open Street View for a location

- Touch and hold a location to display a balloon with the address and a Street View thumbnail.
- Touch the balloon and touch **Street view**.

9.5.3 To clear the map

After you get directions or search on a map, you can clear the markers/layers that have been drawn: touch  on maps screen and touch **Clear Map**, or you can also touch **Clear Map** on Layers screen.

9.6 Join Latitude to see your friends' locations and share yours with them

With Google Latitude, you can:

- see your friends' locations on a map or in a list.
- quickly contact your friends with a text message, instant message, or phone call.
- you can share, set, hide your location, or sign out of Google Latitude.
- control who sees your location, and at what level of detail.
- add Latitude widget to Home screen to see nearby friends at a glance.

9.6.1 To join Latitude

Touch Maps at the upper-left corner, and select **Join Latitude**.

To open Latitude, touch icon  from Maps screen, then select **Latitude**.

9.6.2 How to invite friends to share their locations

- Touch icon  from list view.
- Touch **Select from Contacts** or **Add via email address**.
- After selecting your chosen contacts touch **Add friends** at the bottom of the screen.

When finished, an invitation will be sent to the friends you have invited.

To respond to an invitation, you can select one of the followings:

- **Accept and share back** You and your friend can share locations with each other.
- **Accept, but hide my location** You can view your friend's location, but they can not view yours.
- **Don't accept** No locations can be shared between you and your friend.

9.6.3 To view your friends' location

You can view your friends' locations on a map or in a list.

- **MAP VIEW** When Google Maps is opened, your friends' locations will display with their photo icons for identification.
- **FRIENDS LIST** Your friends are displayed in a list.

9.6.4 To connect with your friends

Select a contact, you can communicate with your friend and set privacy options.

- **Map** Locate the friend's position on the map.
- **Directions** Get directions to this friend's location.
- **Ping for check-in** Send friends a notification and ask them to check in.
- **Sharing options** Touch to set sharing options: Share best available location; Share city-level location only; Hide from this friend
- **Remove this friend** Remove this friend from your list and stop sharing information with him or her.

9.6.5 To control what you share

You can control the information you want to share with your friends.

Touch icon  from Maps screen, then select **Latitude**, touch your own name and then touch **Location settings**.

The following options are available to choose from:

- **Location reporting** Touch to detect/set your location, or stop updating your location.
- **Report from this device** Mark the checkbox to enable automatically update location from this device.
- **Enable location history** Mark to hide your location history.
- **Manage your friends** Add or remove friends who can see your location.
- **Enable location History** Mark the checkbox to enable record your location history.

10 Others.....

10.1 File Manager.....



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

File Manager works with both external SD card and internal storage.

File Manager displays all data stored on both microSD card and internal 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 access this function, touch Application tab from the Home screen, then touch **Sound Recorder**.

Sound Recorder allows you to record voice/sound for seconds/hours.

10.3 Radio.....

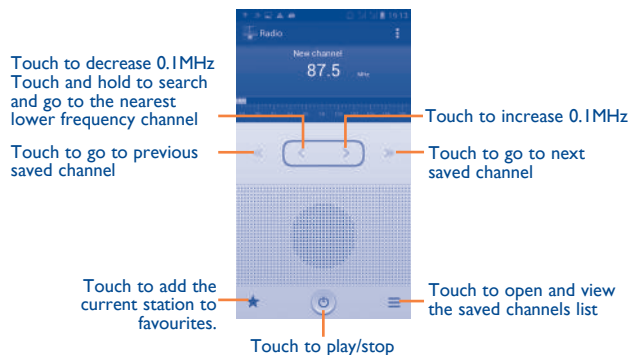


Your phone is equipped with a radio ⁽¹⁾. You can use the application as a traditional radio with saved channels or with parallel visual information related to the radio program on the display if you turn to stations that offer Visual Radio service.

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



To use it, you must plug in your headset, which works as an antenna connected with your phone.



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

Available options:

- **Save channel** Save the current tuned station to the channels list.
- **Audio mode** Listen to the radio using loudspeaker or headset.
- **Delete** Delete the channel
- **Enter frequency** Enter the frequency manually.
- **Search** Search for all available stations automatically.
- **RDS settings** Touch to select Channel information and Alternative frequency.
- **Record FM** Record video voice of the current channel.
- **Exit** Turn off the radio.

10.4 LED Torch.....

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

LED Torch is an application which can provide power light for your convenience and you can select to turn on/off or adjust the brightness as needed.

10.5 Setup Wizard

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

Setup Wizard helps set up your phone in multiple ways: language, input method, mobile data connection, Date & time, account setup and synchronization, etc. This will also be performed the first time you power on your phone.

10.6 Other applications ⁽¹⁾

DLNA Media Share App

The application only show when your phone connected to a media device. You can share the photos, videos between your phone and media device by this function.

USB On-The-Go

USB On-The-Go, often abbreviated USB OTG or just OTG, is a specification that allows USB devices such as digital audio players or mobile phones to act as a host, allowing other USB devices like a USB flash drive, mouse, or keyboard to be attached to them.

⁽¹⁾ Application availability depends on country and operator.

Settings.....

Drag down notification panel and touch  then 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 .

Mark the checkbox of **Set mobile data limit**, then you can drag the limit line and the warning line according to your limitation. 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  and you can view more settings related to your data usage.

 Data usage is measured by your phone, and your carrier may count differently. Please consider using a conservative limit.

11.1.4 Airplane mode

Mark the checkbox of **Airplane mode** to simultaneously disable all wireless connections including Wi-Fi, Bluetooth and more.

11.1.5 VPN settings

A mobile virtual private network (mobile VPN or mVPN) provides mobile devices 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 devices to preserve battery life. A conventional VPN cannot 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 “**6.6 Connecting to virtual private networks**”.

11.1.6 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 “6.5 Sharing your phone's mobile data connection”).

11.1.7 Mobile networks

• Access Point Names

You can select your preferred network with this menu.

• Network operators

You can select a network operator.

11.2 Device

11.2.1 Gestures

Mark the checkbox to enable the following gestures: **Turn over to mute**, **Turn over to activate**, **Shake to switch music**.

11.2.2 Audio profiles

Use the Audio profiles settings to configure ringtones for different events and environments. Touch  to add a new profile, touch **OK** to confirm the new profile new name. Touch  to reset all the audio profile settings to be default.

General

To modify the sound settings within any profile, touch General to view the following functions by scrolling up/down. When finished, mark the check box on the right of the profile's name to activate the action.

- **Phone vibrate** Mark the check box to vibrate phone for incoming calls.
- **Volumes** Touch to set volume for incoming calls, alarm and notifications.
- **Voice call ringtone** Touch to set your default voice incoming call ringtone.
- **Video call ringtone** Touch to set your default video incoming call ringtone.
- **Default notification** Touch to set your default notification ringtone.
- **Dial pad touch tones** Mark the check box to enable playing tones when using dial pad.
- **Audible selection** Mark the check box to enable playing sound when making screen selection.
- **Screen lock sound** Mark the check box to enable sounds to play when locking and unlocking the screen.
- **Haptic feedback** Mark the check box to activate vibration when pressing soft keys and on certain UI interactions.
- **Power on ringtone** Set your default power on ringtone.
- **Power off ringtone** Set your default shut down ringtone.

Silent

This profile will silence all sounds except media & alarms.

Meeting

When this is selected the phone will not ring or beep by default unless an alarm has been set. A new event will cause it to vibrate.

Outdoor

This profile is designed for outdoor users who require louder ringtones.

BesAudEnh

Mark to active audio enhancer for earphone.

11.2.3 Display

- **Lock screen notifications** Mark the checkbox to show notifications on lock screen.
- **Wallpaper** Touch to set the wallpaper.
- **Orientation** Touch to select whether rotate screen automatically or not.
- **Brightness** Touch to adjust the brightness of the screen.
- **Screen Module** Touch the switch beside Screen Module to turn on/off this function. You can choose Clock, Colors, and Photos to show when phone docked or charging.
- **Font size** Touch to set the font size.
- **Sleep** Touch to set screen timeout.
- **Wireless display** Touch to turn on/off wireless display.

11.2.4 Storage

Use these settings to monitor the total and available space on your phone and on your microSD card; to manage your microSD card.



If a warning message comes up saying that phone memory is limited, you are required to free up space by deleting some unwanted applications, downloaded files, etc.

11.2.5 Battery

In 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 one category, then you can learn its specific power consumption.

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

11.2.6 Applications

You use the Applications 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.

11.3 Personal

11.3.1 Location access

Use GPS satellites

Check to use your phone's global positioning system (GPS) satellite receiver to pinpoint your location within an accuracy as close as several meters ("street level"). The process of accessing the GPS satellite and setting your phone's precise location for the first time will require up to 5 minutes. You will need to stand in a place with a clear view of the sky and avoid moving. After this, GPS will only need 20-40 seconds to identify your precise location.

11.3.2 Security

Set up screen lock

- **None** Touch to disable screen unlock security.
- **Slide** 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.

Owner info

Touch to input owner information which will display on the lock screen.

Encrypt phone

You can encrypt your accounts, settings, download apps and their data, media and other files by touching Encrypt phone.

Set up SIM card lock

Choose a SIM card you want to configure.

Mark the checkbox of **Lock SIM card** to lock the SIM card with PIN code.

Touch **Change SIM PIN** to change the PIN code.

Make passwords visible

Mark the checkbox to show passwords as you type.

Device administrators

Touch to view or deactivate device administrators.

Unknown sources

Mark the checkbox 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 Android Market.

Verify apps

Mark the checkbox to warn before installation of apps which may cause harm to your phone.

Trusted credentials

Touch to display trusted CA certificates.

Install from SD card

Touch to install encrypted certificates from the microSD card.

Clear credentials

Touch to remove all credentials.

11.3.3 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.

Language

Touch to select the language and the region you want.

Spell checker

Mark the checkbox 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.

Default

Touch to select a default input method. Touch **Configure input methods** to show all input methods. Touch the settings icon  to configure a certain input method.

Android keyboard

The Android keyboard settings apply to the onscreen keyboard that is included with your phone. The correction and capitalization features affect only the English version of the keyboard. Available options are as follows:

- **Input languages**

Touch to set input language.

- **Auto-capitalization**

Mark the checkbox to have the onscreen keyboard automatically capitalize the first letter of the first word after a period, the first word in a text field, and each word in name fields.

- **Vibrate on keypress**

Mark the checkbox to have the phone vibrate briefly each time you touch a key on the onscreen keyboard.

- **Sound on keypress**

Mark the checkbox to play a brief sound each time you touch a key on the onscreen keyboard.

- **Popup on keypress**

Mark the checkbox to popup the key that you touched.

- **Add-on dictionaries**

Touch to install new dictionaries for different language.

- **Auto correction**

Touch to turn on/off auto correction, or you can also adjust the sensitivity of correction.

- **Show correction suggestions**

Touch to show or not the correction suggestions while typing.

- **Next word prediction**

Mark the checkbox to popup word prediction.

- **Advanced settings**

Touch to view more advanced settings for android keyboard, such as **Key popup dismiss delay**, **Suggest Contact name**, and etc.

Voice search

Touch to view settings about voice search, such as Language, Speech output, etc.

Text-to-speech output

- **Preferred engine**

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

- **Speech rate**

Touch to open a dialog where you can select how quickly you want the synthesizer to speak.

- **Listen to an example**

Touch to play a brief sample of the speech synthesizer, using your current settings.

Pointer speed

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

11.3.4 Backup and reset

Back up my data

Mark the checkbox to 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.

Back up account

Touch to back up your account.

Automatic restore

Mark the checkbox to restore your backed up settings or other data when you reinstall an application.

DRM reset

Touch to select delete all DRM licenses.

Factory data reset

Phone reset will 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 mark the checkbox - Reserve the content of Phone storage before touching **Reset phone**, any files stored on your phone's storage will not be erased. 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 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 synchronize data on their own schedules, and whether all applications can synchronize user data automatically.

11.5 System

11.5.1 Date & time

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

Automatic date & time

Touch to select Use network/GPS provided time or Off.

Mark the checkbox to use network provided time or use GPS provided time.

Automatic time zone

Mark the checkbox to use network-provided time zone. Or unmark to set all values manually.

Set date

Touch to open a dialog where you can manually set the phone's date.

Set time

Touch to open a dialog where you can manually set the phone's time.

Select time zone

Touch to open a dialog where you can set the phone's time zone.

Use 24-hour format

Mark the checkbox to display the time using 24-hour clock format.

Select date format

Touch to open a dialog where you can select the format for displaying dates.

11.5.2 Scheduled power on & off

Set a scheduled time for power on & off .

11.5.3 Accessibility

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

TalkBack

Touch to turn on/off TalkBack.

Magnification gestures

Touch to turn on/off to activate/deactivate zoom in/out function by triple-tapping the screen.

Large text

Mark the checkbox to enlarge the screen text.

Power key ends call

Mark the checkbox to end a call by pressing Power key during the call.

Orientation

Mark the checkbox to rotate screen automatically.

Speak passwords

Mark the checkbox to speak passwords while typing.

Accessibility shortcut

Touch to turn on/off to enable/disable accessibility features.

Text-to-speech output

See page 137.

Touch & hold delay

Touch to adjust the duration of touch and hold delay. This function enables your phone to differ touch and touch & hold, which may avoid incorrect operations.

Enhance web accessibility

Touch to open a dialog which asks you to install scripts from Google which make their web content more accessible. Touch **Allow** to confirm.

11.5.4 Developer options

To access this function, touch **Settings\About phone**, then touch **Build number 7** times. Now **Developer options** is available.

The Developer options 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 device state and send as an email message.

Desktop backup password

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

Stay awake

Mark the checkbox 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.

Protect SD card

Mark the checkbox to select that Apps must request permission to read SD card.

USB debugging

Mark the checkbox to permit debugging tools on a computer to communicate with your phone via a USB connection.

Power menu bug report

Mark the checkbox to select to include option in power menu for submitting a bug report.

Allow mock locations

Mark the checkbox to permit a development tool on a computer to control where the phone believes it is located, rather than using the phone's own internal tools for this purpose.

Select debug app

Touch to select debug app.

Wait for debugger

Mark the checkbox to active debugged application waits for attaching debugger before executing.

Verify apps over USB

Mark the checkbox to check apps over USB.

Show touches

Mark the checkbox to show visual feedback for touches.

Pointer location

Mark the checkbox to show current touch data.

Show layout bounds

Mark the checkbox to show clip bounds, margins, etc.

Show GPU view updates

Mark the checkbox to show GPU view updates.

Show hardware layers updates

Mark the checkbox to show hardware layers updates.

Show GPU overdraw

Mark the checkbox to show GPU overdraw.

Show surface updates

Mark the checkbox to show surface updates.

Window animation scale

Touch to adjust the animation scale for your window.

Transition animation scale

Touch to adjust the animation scale while performing transition.

Animation duration scale

Touch to adjust the animation duration scale.

Disable HW overlays

Mark the checkbox to select to always use GPU for screen compositing.

Force GPU rendering

Mark the checkbox to forcibly use 2D hardware acceleration in applications.

Force 4x MSAA

Mark the checkbox to enable 4x MSAA.

Strict mode enabled

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

Show CPU usage

Mark the checkbox to show current CPU usage.

Profile GPU rendering

Mark the checkbox to use 2D hardware acceleration in applications.

Enable OpenGL traces

Touch to adjust OpenGL traces.

Enable traces

Touch to adjust traces.

Don't keep activities

Mark the checkbox to destroy all activities as soon as you leave.

Background process limit

Touch to change the limit for background processes.

Show all ANRs

Mark the checkbox to show "Application Not Responding" dialog for background applications.

11.5.5 About phone

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

System updates

Touch to check for system updates.

System updates(storage)

Touch to check for system updates (storage).

Status

This contains the status of the Battery status, Battery level, My phone number, Network, Signal strength, etc.

Legal information

Touch to view legal information.

11.5.6 Regulatory & Safety

This contains information about Product model, Manufacturer name, IMEI, and related certification details.

11.5.7 Quick start

Mark the checkbox to active Quick start mode, the mode will shorten boot time.

2 FOTA System Upgrade⁽¹⁾...

Using FOTA Upgrade tool you can update your phone's software.

To access **System Updates**, please open Quick setting bar and touch , then press **About phone\System updates** and **Settings>About phone\System updates**. Or you can directly touch System Updates on application list directly. Touch **Check for updates**, and the phone will search for the latest software. If you want to update the system, please touch the button **Download**, after it's done please touch **Install** to complete the upgrade. Now your phone's software will have the latest version.

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 **System Updates** directly.



During FOTA downloading or updating, to avoid errors in locating the correct update packages, do not change your default storage location.

⁽¹⁾ Operator Tariff for data shall be applicable for each occasion you upgrade your device.

3 Important Customer Information

To provide you information about the availability of latest software's, Content & Applications and Product updates, Upon first use of your device, your device will send information related to your Mobile Number, Device Serial Number and other software details through SMS⁽¹⁾ automatically. This process will be repeated every time you factory reset your device.

⁽¹⁾ Operator Tariff for SMS shall be applicable for each occasion you factory reset your device.

4 In-Box Accessories

The latest generation of Panasonic P51 mobile phones 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. Charger
2. USB cable
3. Stereo Earphones
4. Flip cover
5. Capacitive Stylus



Only use your telephone with the Panasonic P51 batteries, chargers and accessories in your box.

5 Troubleshooting

Before contacting the service centre, you are advised to follow the instructions below:

- You are advised to fully charge () the battery for optimal operation.
- Avoid storing large amounts of data in your phone as this may affect its performance.
- Use **Factory data reset** and the upgrade tool to perform phone formatting or software upgrading (to reset factory data, hold down the **power** key and the **Volume up** key at the same time). ALL User phone data: contacts, photos, messages and files, downloaded applications will be lost permanently. It is strongly advised to fully backup the phone data and profile via Android Manager before doing formatting and upgrading.

and carry out the following checks:

My phone is frozen or cannot be switched on

- Check the battery power level, charge for at least 20 minutes.
- Press and hold Power key for more than 7 seconds to try to restart.
- If it still does not work, please reset the phone using the **Power** key and the **Volume up** key.

My phone has not responded for several minutes

- Restart your phone by pressing and holding the **Power** key.

My phone turns off by itself

- Check that your screen is locked when you are not using your phone, and make sure the **Power** key is not mis-contacted due to unlocked screen.
- Check the battery charge level.

My phone cannot charge properly

- Make sure that your battery is not completely discharged; if the battery power is empty for a long time, it may take around 20 minutes to display the battery charger indicator on the screen.

- Make sure charging is carried out under normal conditions (0°C to +40°C).
- When abroad, check that the voltage input is compatible.

My phone cannot connect to a network or “No service” is displayed

- Try connecting in another location.
- Verify the network coverage with your operator.
- Check with your operator that your SIM card is valid.
- Try selecting the available network(s) manually (see “11.1.8 Mobile networks”)
- Try connecting at a later time if the network is overloaded.

My phone cannot connect to the Internet

- Check that the IMEI number (press *#06#) is the same as the one printed on your warranty card or box.
- Make sure that the internet access service of your SIM card is available.
- Check your phone's Internet connecting settings.
- Make sure you are in a place with network coverage.
- Try connecting at a later time or another location.

Invalid SIM card

- Make sure the SIM card has been correctly inserted (see “Inserting or removing the SIM card”).
- Make sure the chip on your SIM card is not damaged or scratched.
- Make sure the service of your SIM card is available.

Unable to make outgoing calls

- Make sure you have dialed a valid number and have touched .
- For international calls, check the country and area codes.
- Make sure your phone is connected to a network, and the network is not overloaded or unavailable.
- Check your subscription status with your operator (credit, SIM card valid, etc.).
- Make sure you have not barred outgoing calls.
- Make sure that your phone is not in flight mode.

Unable to receive incoming calls

- Make sure your phone is switched on and connected to a network (check for overloaded or unavailable network).
- Check your subscription status with your operator (credit, SIM card valid, etc.).
- Make sure you have not forwarded incoming calls.
- Make sure that you have not barred certain calls.
- Make sure that your phone is not in flight mode.

The caller's name/number does not appear when a call is received

- Check that you have subscribed to this service with your operator.
- Your caller has concealed his/her name or number.

I cannot find my contacts

- Make sure your SIM card is not broken.
- Make sure your SIM card is inserted properly.
- Import all contacts stored in SIM card to phone.

The sound quality of the calls is poor

- You can adjust the volume during a call by pressing the **Volume Up/Down** key.
- Check the network strength .
- Make sure that the receiver, connector or speaker on your phone is clean.

I am unable to use the features described in the manual

- Check with your operator to make sure that your subscription includes this service.
- Make sure this feature does not require an Panasonic P5I accessory.

When I select a number from my contacts, the number cannot be dialed

- Make sure that you have correctly recorded the number in your file.
- Make sure that you have selected the country prefix when calling a foreign country.

I am unable to add a contact in my contacts

- Make sure that your SIM card contacts are not full; delete some files or save the files in the phone contacts (i.e. your professional or personal directories).

My callers are unable to leave messages on my voicemail

- Contact your network operator to check service availability.

I cannot access my voicemail

- Make sure your operator's voicemail number is correctly entered in "Voicemail number".
- Try later if the network is busy.

I am unable to send and receive MMS

- Check your phone memory availability as it might be full.
- Contact your network operator to check service availability and check MMS parameters (see "4.1.3 Adjust message settings").
- Verify the server centre number or your MMS profile with your operator.
- The server centre may be swamped, try again later.

SIM card PIN locked

- Contact your network operator to obtain the PUK code (Personal Unblocking Key).

I am unable to download new files

- Make sure there is sufficient phone memory for your download.
- Check your subscription status with your operator.

The phone cannot be detected by others via Bluetooth

- Make sure that Bluetooth is turned on and your phone is visible to other users (see "6.3 Connecting to Bluetooth devices").
- Make sure that the two phones are within Bluetooth's detection range.

How to make your battery last longer

- Make sure you follow the complete charge time (minimum 2.5 hours).
- After a partial charge, the battery level indicator may not be exact. Wait for at least 20 minutes after removing the charger to obtain an exact indication.
- Switch on the backlight upon request.
- Extend the email auto-check interval for as long as possible.
- Update news and weather information on manual demand, or increase their auto-check interval.
- Exit background-running applications if they are not being used for a long time.
- Deactivate Bluetooth, Wi-Fi, or GPS when not in use.

The phone will become warm following prolonged calls, game playing, internet surfing or running other complex applications.

- This heating is a normal consequence of the CPU handling excessive data. Ending above actions will make your phone return to normal temperatures.

I 6 Specifications

Processor	MTK6589
Platform	Android™ 4.2
Memory	ROM: 4 GB RAM: 1GB
Dimensions (LxWxT)	144 x 75 x 8.5 mm
Weight	135 gm
Display	5.0 inch IPS HD screen
Network	GSM: Quad-band 850/ 900/ 1800/1900 MHz UMTS: Dual band 900/2100 MHz (Band frequency and data speed are operator dependent.)
GPS	Assisted GPS/Internal GPS antenna
Connectivity	• Bluetooth V4.0/A2DP • Wi-Fi IEEE 802.11 b/g/n • 3.5 mm audio jack • Micro-USB
Camera	• 1080p 8 MP Auto Focus back camera • 720p 1.3 MP front camera

Audio supported formats	AAC, AAC+, AAC Enhanced, WB AMR, MP3, Midi, eAAC
Video supported formats	H.263, MPEG4, H.264
Battery ⁽¹⁾	• Rechargeable Lithium ion polymer battery • Capacity: 2500 mAh
Expansion Slot	microSD™ memory card support upto 32 GB
Special Features	• G-sensor • Light Sensor • Proximity Sensor • E Compass

Note: Specifications are subject to change without prior notice.

⁽¹⁾ The original battery has undergone rigorous safety inspections to meet qualification standards, the use of non-original batteries may be dangerous.

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