

Preface

Thank you for purchasing this cellular phone.

To guarantee your cellular phone works properly, please follow the instructions in this manual to prevent any possible incidents or malfunctions.

Follow all safety warnings to avoid injury or property damage.

Screen displays and illustrations in this user's manual are designed to help you to operate your phone.

We continuously strive to improve our products. Therefore, we reserve the rights to revise this user manual or withdraw it at any time without prior notice.

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Important safety precautions

Failure to comply with the following precautions may be dangerous or illegal.

Please carefully read and observe the terms below:

Safe power on

Do not use your mobile phone where it is forbidden to use or you might cause a disturbance or danger.

Safe transportation first

Please observe all related local laws and regulations.
Please drive with both hands.
Transportation security should be considered when driving.

Disturbance

All mobile phone performances might be disturbed

Turn off when in hospital

Please follow related limitations.
Please turn off your mobile phone when near a medical instrument.

Turn off on an airplane

Please follow related limitations.
Do not use your phone on an airplane.

Turn off when at a gasoline station

Do not use your mobile phone at a filling station or around fuels or chemicals.



Turn off around exposure Area

Please observe related limitations and do not use your mobile phone around an area where explosions can occur.



Proper use

As described in this manual, your mobile phone can be used only in right location.
If possible, please do not touch the antenna area on your phone.



Use qualified after sale service

Only a qualified maintainer can install or repair your mobile phone.



Accessories and batteries

Only use the authorized accessories and batteries and do not connect to unmatched manufacturers or products.



Waterproof

Your mobile phone is not waterproof. Please keep it away from water.



Backup

Do remember to make a backup or keep a written record of all important information saved in your mobile phone.



Connect to other devices

Please read the user manual of the device to get more detailed security instructions before connecting to other devices and do not connect to unmatched product.



SOS emergency calls

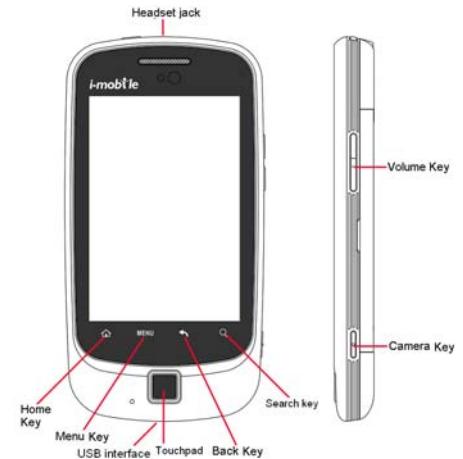
Make sure your mobile phone is switched on and in a service area. In idle mode, input the SOS number, then press the Dial Key. Tell where you are and do not hang up without permission.

Introduction

Packaging

There are various accessories for your cellular phone. Your pack will include standard battery x 1, charger x 1, data cable x 1, and user manual x 1. Please note: Use only accessories and charging devices approved by the phone manufacturer, otherwise you would risk serious damage to health and property. Failure to do this may invalidate your warranty. Accessories may be different in different regions.

Phone Display



Key	
Key	Function
HOME Key	<ul style="list-style-type: none"> - Press to return to the Home screen from anywhere on your phone. - Press and hold to bring up the recent applications window.
MENU Key	<ul style="list-style-type: none"> - Press to open a list of actions you can take on the current screen. - Press to wake up the screen.
BACK Key	<ul style="list-style-type: none"> - Within a menu, press to return to the previous screen, or to dismiss a dialog box or menu. - When the onscreen keyboard is open, press to close the onscreen keyboard.
Google Search	Press CALL to do following actions, depending on the context:
Power / Lock key	<ul style="list-style-type: none"> - Press (when the display is active): locks or unlocks the display. - Press (when the display is in sleep mode): wakes up the display. - Press and hold: Power On/Power Off.
Touchpad	<ul style="list-style-type: none"> - Slide the Touchpad up/down/left/right to navigate selectable items. - Press to select a highlighted item or action.
Camera Key	<ul style="list-style-type: none"> - On the home screen, press and hold to go to the capture screen. - In the camera application, press to focus and take a picture.

Volume
Side Keys

Press to adjust the volume.

Note: "Press" in this manual, means to press and release the key; "press and hold" means to press and hold the key for at least 2 seconds.

Icons & Symbols

In idle mode, network and battery icons are displayed all the time. The rest of the icons appear if the feature is available. If the network symbol is not displayed, the network is currently unavailable. You may be in a bad reception area; moving to a different location may help.

	Network - The left portion indicates whether or not your phone is already registered with a network, and the right portion indicates signal strength (from no signal to strongest signal).
	Battery level: full, half full, low, very low.

	Battery is charging.
	EDGE network connected, data flowing.
	Wi-Fi service connected.
	New SMS or MMS arrives.
	Problem with SMS or MMS delivery.
	Upcoming event
	Missed call
	New email message arrives.
	New instant message arrives.
	New voicemail arrives.
	Alarm is set.
	Song is playing.
	Vibrate is active.
	Airplane mode is activated.
	Bluetooth is on.
	GPS is enabled and working.
	Call forwarding is on.

	No SIM card in phone, or SIM card full, or the SD has been removed.
	Problem with sign-in/sync

Notifications

When you see a notification in the status bar, touch the bar and slide your finger down the screen to open the list of notifications displayed in the sliding window.

Note: You can also open the Notification panel on the Home screen by pressing **MENU** and then touching **Notifications**.

To close the Notification panel, touch and hold the bottom bar of the Notifications panel, then slide your finger up the screen.

Getting Started

Please read the safety instructions in the "[Safety Information and Notices](#)" section before use.

Before you start using your phone, you must insert a valid SIM card supplied by your operator or retailer. The SIM card contains your subscription information, your mobile telephone number, and a small amount of memory in which you can store phone numbers and messages.



Note: Some SIM card may not function with your phone. You should consult your wireless service provider for a replacement SIM card. There may be fees for this service.

You can also insert a memory card. This provides you with expanded memory capability, which allows you to store additional music, photo, and video files separate from the phone's built-in memory.

Inserting the SIM Card

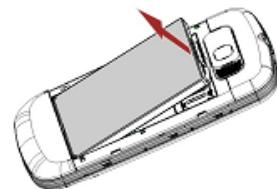
Remove the back cover

Make sure that the phone is turned off. You need to remove the back cover of your phone before you can insert the SIM card.
lift the back cover up to remove it (1).



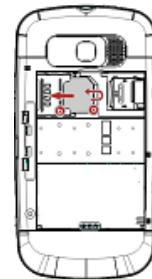
Remove the battery

Lift the battery up to remove it (2).



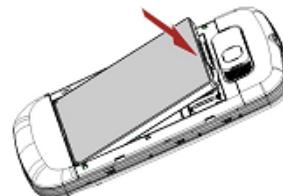
Insert the SIM card

Make sure that the clipped corner of the SIM card is facing the correct direction and the metallic contacts are facing downwards. Slide the SIM card into the card slot until it stops (3)..



Install the battery

Align the battery's exposed copper contacts with the battery connectors inside the battery compartment, press the battery down into its slot until it locks into place (4).



Install the back cover

Align and hook the back cover to the top of the battery slot and then press the back cover down until it locks into place (5).

Power on/off

To power on the phone, press and hold the **Power** Key. Enter the PIN code if required (the 4 to 8 digit secret code of your SIM card). It is preconfigured and provided to you by your network operator or retailer. If you enter an incorrect PIN code 3 times in succession, your SIM card will be blocked. To unblock it, you must obtain the PUK code from your network operator.

To power off your phone, press and hold the **Power** Key.

On release, the phone options menu opens, select **Power off**.

Charging the Battery

Your phone is powered by a rechargeable battery. The new battery is partially charged. A sound alert will warn you when the battery level becomes low.

Make sure the battery is not removed. To charge the battery, plug in the connector at the left side of your phone (USB interface), and then plug the other end into an AC power socket.

The battery symbol indicates the charging status.

During charging, the charge indicators  will scroll; it takes about 8 hours to fully charge the battery.

When all the scroll bars  are steady, the battery is fully charged. You can then disconnect the charger.

Talking time can go up to about 120 minutes. Stand-by time can go up to about 48 hours. Depending on the network conditions, user settings, method of use, the actual results may vary.

The only way to turn off the charger is to unplug it, so it is advisable to use an easily accessible AC power socket. If you do not intend to use your phone for several days, we recommend that you remove the battery. If the battery is completely discharged, the battery icon will reappear after a few minutes of charging.

Inserting a microSD Card

Your phone has a slot for a microSD card. The slot is located on the right of the SIM card slot.



Insert the SD card

1. Lift up the T-Flash card cover beside the SIM card slot. Pull the cover to right if it is locked and then lift it.
2. With the metal contacts facing down, gently put the T-Flash card into the slot.
3. Pull the cover to left to lock it.



Remove the SD card

You must open the phone's back cover and remove the battery to remove or insert the microSD card.

Note: if you are going to remove your SD card, first you must unmount it from your phone by selecting to **HOME > Settings > SD card & phone storage > Unmount SD card**.

Transfer files to the SD card

To transfer music, picture, and other files from your computer to your phone's SD card, you need to set the phone's SD card a USB drive.

1. Connect the phone to the computer using a USB cable. A notification icon appears in the status bar.
2. Open the notifications panel by touching it and drag down.
3. In the notifications panel, you should touch **USB connected** and then touch **Mount**.
4. When you select **Mount**, the phone will not recognize the SD card when it is connected to a computer. You will not be able to use some of the phone's applications such as camera.
5. Transfer the files to SD card.
6. To turn off USB storage, open the notifications panel, touch **Turn off USB storage** and then touch **Turn Off**.

Wireless off

When you need to turn off all your phone radios, please

go to **HOME > Settings > Wireless and network** to select **Airplane mode** check box, your phone will switch to “airplane” mode now. An airplane mode  icon displays in the status bar and all wireless connections are disabled.

To enable wireless connections again, return to this settings screen and clear the **Airplane mode** check box.

Touch screen

Your mobile phone features a touch screen which provides a faster and more intuitive way for you to navigate through lists and menus. The controls on the touch screen change dynamically depending on the task you are performing.

Selection

To select an item or button on the screen, you can either: slide or press the **Touchpad** to select the item. Or simply touch the item with your fingertip. You will know if an item on the screen is selected when its color changes, usually to yellow or orange.

Context menus

To open the context menu for an item on the screen, you can either: Touch and hold the item on the screen with your fingertip. You must hold for one full second before the context menu appears.

Scroll

To scroll up or down in a list or page on the screen, you can either: slide the **Touchpad**; Or Slide your finger up/down on the screen. Dragging your finger to scroll won't choose or activate anything on the screen.

Zoom in or out

Zoom in / out on a picture when viewed full screen, web page, or map:

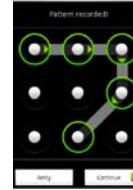
1. Use your finger to touch the screen to open the zoom-in and zoom-out controls. 
2. Touch the + control to zoom in, with each touch you zoom in closer. Touch the - control to zoom out, with each touch you zoom out further.

Screen lock

You can increase the security of your phone by setting a screen unlock pattern. Once set, in order to unlock your screen, you'll have to draw the correct unlock pattern. You

can set your screen unlock pattern as follows:

1. Press **HOME**, then press the menu icon to select **Settings**.
2. Select **Location & security**, then scroll down to the Screen unlock pattern section.
3. Set or change your unlock pattern by selecting **Change Screen lock**, as applicable.
4. Follow the prompts to define your pattern. Note: you must slide your finger along the screen to create the pattern, not select individual dots. Connect at least four dots.
5. Select **Require pattern** check box.



If you unlock your screen, and you want your pattern to be hidden as you draw it, clear the **Use visible pattern**

check box.

Screen sleep

After a period of inactivity, your screen will go to sleep (display will turn black). In sleep, your phone uses less battery power. You can go to **HOME > Settings > Display > Screen timeout** to select a time. Press the **Power** Key can also make your phone sleep or awake immediately.

Home Screen

The Home screen is your starting point for using all the applications on your phone. You can customize your Home screen to display applications, shortcuts, and widgets as you like.

Wherever you are, whatever you're doing on your phone, simply press the **HOME** button to return to the Home screen.

Extended Home screen

After pressing **HOME**, slide your fingertip left or right along the screen to reveal the full width of the Home screen. If you flick right or left, the home screen will turn to another desktop. This additional space gives you more room to customize Home with applications, shortcuts, and widgets.

Find an application quickly

From home screen, tap the application tab 

Add a Home screen item

1. Start from the Home screen, touch and hold an empty area to access the context menus.
2. There are many items for you to choose, including shortcuts, widget, folders and wallpaper. Touch one of them to choose an application and then touch the application to add it on the home screen.

Tip: To create an application shortcut quickly, touch the application tab to reveal all the application icons, then touch & hold an application icon and drag it to home screen. Its shortcut is added to the Home screen.

Shortcut

1. Start from the Home screen; press **MENU** to access the context menus.
2. Tap **Add > Shortcuts** item. Select one of the shortcuts, and then touch it to confirm.

Add widget

1. Start from the Home screen; press **MENU** to access

- the context menus.
2. Tap **Add > Widgets** item. Several widgets are supplied for your choice, such as clock, picture frame, and search. Select one of them and touch it to confirm.

Set wallpaper

1. Start from the Home screen; press **MENU** to access the context menus.
2. Tap **Wallpapers** item. Select one of the pictures. It can be from **Gallery** or **Wallpaper**. Gallery has the pictures you have stored on your SD card. Wallpaper gallery is preinstalled on your phone.
3. If you select **Wallpapers**, when you've decided on a picture, make sure it is highlighted, and then select **Set wallpaper**.
4. If you select **Gallery**, the picture album opens. Slide **Touchpad** to find the picture you want to use, and then touch it. When you are ready, select **Save**.

Remove items from the Home screen

To remove a shortcut or widget from your Home screen,

touch and hold the item to enter “**move mode**”. The application tab turns into a Trash button: . Drag the item to the Trash button and release. When the icon and application tab turn red, release it.

Move objects on the Home screen

1. To move an icon or other item on the Home screen, you should touch and hold it to enter the “**move mode**”. The object will magnify when it is ready to be moved.
2. Without lifting your finger, drag the object to the new position. To move an item to a section of the Home screen not in view, move it to the edge of the screen and hold it there for a moment. The screen view will shift; position the object and release.

Options on home screen

In home screen, press **MENU** to access the following options:

- **Add**: Select to add a new item on the home screen.

- **Wallpaper:** Select wallpaper from pictures album or wallpaper gallery.
- **Search:** Shortcut to the Google search. It may involve the transmission of large amounts of data through your service provider's network. Contact your service provider for information about data transmission charges.
- **Notifications:** Select to view the notifications.
- **Settings:** Shortcut to settings menu. Please refer to "Settings" section.

Onscreen Keyboard

When you select or touch a field that requires text or numbers, the onscreen keyboard becomes available.

Adjusting keyboard settings

Before you start using the onscreen keyboard, we recommend you to set onscreen keyboard options such as vibrate and/or emit a sound when you touch a key, auto-capitalization, auto-complete, and more.

1. Press **HOME**, then touch the **application tab**, select **Settings > Language & keyboard**
2. Touch **Android keyboard**, you can choose the type method as your favorite, and then set the options you want to use for the onscreen keyboard.
3. If you select the **Quick fixes**, **Show suggestions**, and **Auto-complete** options, the phone will offer you smart word suggestions as you type, so you can enter text more quickly and accurately on the onscreen keyboard.

Android Onscreen Keyboard



Note: When you do not need the keyboard, you can close it by press **BACK**. To show the keyboard again, touch a text box on screen or when a text field is selected, press the **Touchpad**.

If you need to insert or delete a character, slide the **Touchpad** to position the cursor next to the character you want to edit.

The available keys on the keyboard will be different depending on the type method you select on [Settings > Language & keyboard](#).

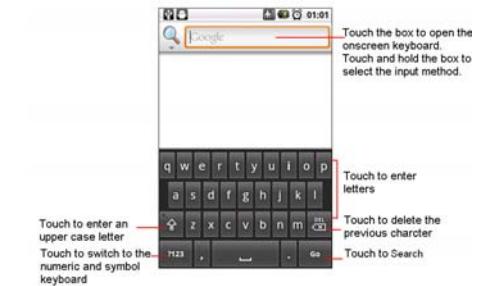
Smart Onscreen Keyboard

Smart Onscreen keypad is an intelligent text editing mode for typing, which includes a comprehensive dictionary. It allows you to quickly enter text. When you enter the first or second letter, the word suggested may be displayed on the screen.

Note: Smart Onscreen Keyboard may not be available on your phone. Onscreen Keyboard may be different in different regions.

Entering numbers and symbols

Switch to the numeric and symbol onscreen keyboard to let you enter numbers and common symbols.



Calling

Speaker

During a call, select **Speaker** on.

Making an International Call

1. Touch and hold the number 0 key on the Dialer tab to enter "+".
2. Enter the country code.
3. Enter the area code (normally without the 0 before it), followed by the phone number.
4. Press the **CALL** Key to call directly.

Making an Emergency Call

On the Dialer tab, enter the emergency number, and then press the **Call** Key on your phone.

When the screen is locked, you need to unlock it first before you can make an emergency call. If your phone is in sleep mode, press any key to wake up the phone, and then press the **MENU** key to unlock the screen.

Make a Call

Note: You can make a call only when the network is available.

1. Tap the **Dialer** icon  on the **HOME** screen.
2. Touch the keys on the dialer to enter the phone number or select a contact or a call log.
3. Press the **Call** Key to dial the number.

To end the call, press the **End Call** Key.

Mute a call

During a call, select **Mute** on or off. If you select **Mute** on, the microphone will be deactivated. When you switch from one call to another, muting will be canceled.

Adjusting speaker/earpiece volume

During a call, press the **Volume Side Keys up / down** to increase or decrease the volume.

hold:

1. During a call with the first caller, select **Add call**, and then enter the second caller's number using the keypad.
2. Press the **CALL** key to dial the second party's number. The first caller will be automatically placed on hold. This is a network-dependent feature. Please contact your service provider for more details.

Swapping calls

When you have one active call and one call on hold, you can press **Swap** on the upper left corner to switch between the 2 calls.

Merging calls

When you have one active call and one call on hold, you can select **Merge calls** to make a conference call between the two calls.

Making a Conference Call

When there is a call waiting while you are already on the phone, you can carry out the following operations to establish the multi-party call:

1. Press the **Pick up** Key to answer the second call. The first call will be put on hold automatically.
2. Select **Merge calls**. The two calls will be combined and a conference call is established.

During the multi-party call, you can answer a new incoming call or add a new member to the call by select **Add call** to dial the new member (the ongoing multi-party call should be put on hold at first).

Once the call is established, select **Merge calls** from options menu.

This is a network-dependent feature. Please contact your service provider for more details.

Calling Hands-Free

During a call, press the **MENU** to select **Speaker**.

Answering a Call

Press the **Pick up** Key to answer a call.

Rejecting a Call

Press the **END CALL** Key to reject a call.

Answering a Second Call

If you have activated Call waiting, a new incoming call screen is shown to inform you when there is a second incoming call. You can:

1. Press the **CALL** Key. The current call will be put on hold automatically.
2. Press the **END CALL** key to reject the second call and continue with your current call.

Ending a Call

Press **END CALL** key or select **End** from Option to end a call.

Bluetooth

Your phone supports Bluetooth function. Bluetooth is a short-range wireless communications technology that allows Bluetooth devices to exchange information over a short distance without requiring a physical connection.

Note: the phone can connect to a Bluetooth hands-free headset or a Bluetooth car kit and use those devices to send and/or receive calls. Before you can use a Bluetooth hands-free headset or car kit, follow the steps as below.

Turn on Bluetooth services

1. Press **HOME**, and tap the application tab, and then select **Settings**.
2. Select **Wireless & networks**, and then select the **Bluetooth** check box to turn on Bluetooth services.
3. When on, the Bluetooth  icon appears in the status bar.

Discoverability

By default, your phone is not "discoverable". This means other Bluetooth devices will not see your phone in their scans for Bluetooth devices. If you make your phone discoverable, it will be visible to other Bluetooth devices for up to 120 seconds.

To make your phone discoverable:

1. Make sure you have turned Bluetooth on, refer to the above chapter.
2. Go to **HOME > Settings > Wireless & networks > Bluetooth settings**.
3. Select the **Discoverable** check box to make your phone visible to other Bluetooth devices for 120 seconds. You must stay on the Bluetooth settings screen to remain discoverable.
4. Select **Discoverable** again during the 120 seconds, or leave the Bluetooth settings screen, to make your phone undiscoverable.

Name your Bluetooth device

1. Make sure you have turned Bluetooth on.

2. Go to [HOME](#) > [Settings](#) > [Wireless & networks](#) > [Bluetooth settings](#) > [Device name](#).
3. Type the name for your device in the dialog box, then select **OK**.

Rescan for Bluetooth devices

If you want to update the list of Bluetooth devices, press [Scan for devices](#).

Pair & connect with Bluetooth devices

Before your phone communicate with a Bluetooth headset, your phone should "pair" at first, and then "connect".

1. Make sure you have turned Bluetooth on.
2. Go to [HOME](#) > [Settings](#) > [Wireless & networks](#) > [Bluetooth settings](#).
3. Your phone starts scanning for Bluetooth devices. As they are found, the devices appear in the list of Bluetooth devices.
4. To pair with the device in the list, you can touch it.
5. There will be a pop up window to ask you to pair with the selected device, select **pair**.
6. Once paired, you can select the file to send via bluetooth.

Function Menu

How to Use

Select application

From home screen, tap the application tab  .
Slide the **Touchpad** to scroll through the menus and touch it to enter the selected menu.

Note: The functions described below only appear when a SIM card is inserted. If you power on your phone without a SIM card, you will have limited access to menu functions when you press the Menu Key. But you can make an emergency call. The aim of this function is to allow you to dial emergency number when you have no SIM card.

You can exit a menu by pressing the **BACK** Key.

Main Menu

Please read the following sections for detail descriptions of main menu.



Alarm Clock

Your mobile phone has a built-in alarm clock. You can set up to four or more separate alarms and choose whether or not the alarm should repeat.

How to set an alarm

To set an alarm:

1. To open Alarm clock, press **HOME** to return to home screen, tap application tab  to enter the main menu, and then select "Clock".
2. Slide **Touchpad** to select an alarm and then touch it to edit the alarm.
3. There are six fields:
 - **Turn alarm On / Off:** Select the check box to turn alarm on or off.
Time: You can set the alarm time here. Tap the + or - buttons and the **AM/PM** button to set the time you want, and then touch **Set**.

When finished. Touch and hold the + or - buttons to move through the numbers quickly.

- **Repeat:** Select Monday/Tuesday/Wednesday/Thursday/Friday/Saturday/Sunday to repeat.
- **Ring tone:** Select one ring tone for your alarm. The ring tone plays when selected.
- **Vibrate:** Press to set the vibration on or off.
- **Repeat:** Press to set the repeat day, from Monday to Sunday.
- **Label:** Touch it to set a name for the alarm.

4 Finally, press the **BACK** Key to return to previous menu, the settings will be saved.

Why didn't my alarm notify me on a Saturday or Sunday?

In the alarm, verify that you activate Saturday or Sunday on the **Repeat** field. If they are set off, your alarm does not notify you on Saturday or Sunday.

Add or delete an alarm?

In Alarm Clock, press the **MENU** to select **Add Alarm**.

In the menu of alarm setting, press the **MENU** to select **Delete**, and then press the **OK** Key to confirm.



Browser

To open the browser, press **HOME**, touch the application bar and then touch the **Browser**. The first time you enter the Browser after powering on, your home page will display. You can change your home page by pressing **MENU** and selecting **More > Settings > Set home page**.

Note: Browser automatically opens when you touch a web link in an email or text message.

It may involve the transmission of large amounts of data through your service provider's network. Contact your service provider for information about data transmission charges.

Enter web address

1 Open the Browser screen and tap the Web address tab to open the web address screen.

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2. Tap the current web address to bring you to the search screen
3. Select a web address from the list or tap the Search on Internet field to enter the web address manually.
4. Possible matches appear on a list of links as you enter the web address. Select a match or continue entering the web address.
5. Tap the Go icon to follow the link to the selected address.



1. Search on internet screen.
2. go icon.

Set your home page

You can set your home page from the settings screen:

1. Press **MENU** and select **MORE > Settings > Set home page** to open the dialog box.
2. Type the URL of the page you want to set as homepage, and then touch **OK**.

Zoom and navigation in web pages

While viewing a Web page, take advantage of the following zoom and navigation techniques:

1. Slide your finger to one direction on the screen to activate the zoom controls.
2. Touch the + control to zoom in. With each touch you zoom in closer. Touch the – control to zoom out. With each touch you zoom out further.
3. Slide the **Touchpad** or slide your finger on the screen in any direction to navigate and view other areas of the web page.

Windows view

If you like to open several web pages at the same time, and want to view them on the screen, please use the function.

1. Press **MENU** in web page browsing menu, and then choose **Windows**.
2. Now you will see that all the web pages you opened are listed in windows.
3. To add new windows, click **New window**.
4. To close the window, touch the "X" in the lower-right corner of the window you want to close.
5. On the windows view, you can press **MENU** to add new window, go to bookmarks, and view recently-visited pages.

To find text within a web page

While viewing a web page, press **MENU** and then touch **More > Find on page**. Enter the search item. As you enter characters, matching characters will be highlighted.

To copy text on a web page

Copy text from web pages and then paste them on email or your SMS/MMS messages.

1. Open the web page where you want to copy text.
2. Locate the text you want to copy and then press

1. **MENU** and then touch **More > Select text**.
2. Position your finger at the start of the text you want to copy and then drag to the end of the text you want to copy. Copied texts are highlighted in pink.
3. Release your finger from the screen.

To paste text on an email or SMS/MMS message, touch and hold the text box on a message or email and then touch **Paste** on the options menu.

Bookmark

1. On a browser screen, press **MENU** to access the option, and then touch **Bookmarks**.
2. On the first item, you can add a new bookmark by touching **Add bookmark**. Type the name and URL of bookmark and touch the **OK** button to continue.
3. Below the new bookmark, it lists all the bookmarks you stored. Drag up and down to scroll through the bookmarks. Click one of them to go to browser the website.
4. If you want to add a bookmark of the last-viewed page, press the **MENU** to select **Bookmark last-viewed page**.

5. To edit the bookmark, in the bookmark screen, touch & hold the bookmark you want to edit, the context menu opens, select **Edit bookmark**. Type your change and select **OK**.
6. To delete a bookmark, in the bookmark screen, touch & hold the bookmark you want to edit, the context menu opens, select **Delete bookmark**.

Refresh the web page

Press **MENU** in web page browsing and then choose **Refresh**.

Adjusting Browser settings

On the browser screen, press **MENU** and then touch **More > Settings** to set the browser settings and options.

- **Text size**: Touch to define the text size, Tiny, Small, Normal, Large or Huge.
- **Default zoom**: Opens a dialog where you can increase or decrease the magnification level that Browser uses when first opening a webpage.
- **Open pages in overview**: Uncheck to open webpages displaying their top-left corners at 100%

size. Check to open webpages zoomed out, in an overview.

- **Text encoding**: Opens a dialog where you can change the character-encoding standard that Browser uses when displaying text on a webpage.
- **Block pop-up windows**: check to prevent websites from opening windows unless you request it.
- **Load images**: Touch to display or not display the images on web pages.
- **Auto-fit pages**: check to have Browser optimize the presentation text and other elements of webpages to fit your phone's screen. Uncheck to view pages as designed for a computer screen.
- **Landscape-only display**: check to display pages in landscape (horizontal) orientation on your screen, regardless of how

you are holding the phone.

- **Enable Java Script:** Uncheck to prevent JavaScript from running on webpages. Many webpages function correctly only if they can run JavaScript features on your phone.
- **Enable plug-ins:** Uncheck to disable plug-ins from webpages
- **Open in background:** Touch to set it on or off, if on, the new windows will open behind the current one.
- **Set home page:** Touch to set the home page web address.
- **Privacy settings**
- **Clear cache:** Touch to delete all cached page content.
- **Clear history:** Touch to clear the browser navigation history.
- **Accept cookies:** Touch to set it on or off, if on, your phone will allow sites to save and read "cookie" data.
- **Clear all cookie data:** Touch to clear all cookies data.
- **Remember from data:** Touch to set it on or off, if on, your phone will remember data i type in forms for later use.
- **Clear form data:** Touch to clear all the saved form data.
- **Enable location:** check to permit websites with location-specific content to ask whether you want to share your location, using your phone's location information. To provide a website with your location, you must also have location sharing enabled in the Settings application.
- **Clear location access:** Open a dialog where you can clear the permissions you've granted to websites in the past, to access your location. If those websites want permission to access your location again, you must grant it again

Security settings

- **Remember passwords:** Touch to set it on or off, if on, your phone will save user names and passwords for web sites.
- **Clear passwords:** Touch to clear all the saved passwords.
- **Show security warnings:** Touch it on to show warning if there is a problem with a site's security.

Advance settings

- **Website settings:** Touch Opens a screen where you can view advanced settings for particular websites.
- **Reset to default:** Touch to clear all browser data and reset all settings to default.

Download web files and applications

Before you download any files or applications using the browser, note the following:

1. Before you can download Web applications, you must go to [Settings > Applications > Unknown](#)

[sources](#), select its check box.

2. All items downloaded from the Web are stored on your SD card, so be sure you have a SD card installed in your phone before you download from the browser.
3. The browser will only allow you to download items that are supported by an application installed on the phone.

Warning: Applications downloaded from the web can be from unknown source. To protect your phone and personal data, only download applications from sources you trust, such as Android Market.

View your downloads

To see which files or applications you've downloaded: From the Browse screen, press **MENU** and touch **More > Downloads**.

The download history screen appears with the list of downloads. If you have no downloads, nothing will be shown on this screen.



Calendar

To open calendar, press **HOME**, touch the application tab and touch **Calendar**.

You can use calendar to create and manage events, meetings, and appointments. Depending on your synchronization settings, the calendar on your phone stays in sync with your calendar on the web. At the first time, you need to create a Google account.

Create an event

On any Calendar view, touch and hold an empty time slot to access the content menu, select **New event** to open the new event details screen.

Enter the event name using the onscreen keyboard.

Do one of the following:

1. If there is a time frame for the event, touch the **From** and **To** date and time to set them.
2. Touch the "**All day**" button if the event is a whole-day event.
3. Enter the event location and description.

4. Set the event reminder in **Reminders**, then select whether the event is recurring in **Repetition**.
5. When finished, touch **Done**.

Event reminders

If you have set **Status bar notification** in **More > Settings > Set alert & notifications**, the upcoming event icon  will appear in the left side of the status bar to remind you. Touch the status bar and slide your finger down the screen to open the notifications list. The upcoming event name is displayed. You can view the event, dismiss the reminder or active snooze.

Calendar views

You can display the calendar in daily, weekly, monthly, or agenda view. To change the calendar view, press **MENU** and touch **Day**, **Week**, **Month**, or **Agent** (current view is not in the menu).

While in a calendar view you can do the following actions:

1. To quickly view an event's details while in **Day** or

Week view, touch it or highlight it by using the **Touchpad**. A quick view window appears on the lower part of the screen.

2. Touch the quick view window to view details about the event.
3. Touch and hold an event to open a window with options for viewing, editing, or deleting that event, or creating a new event.

Camera & Camcorder

Your mobile phone features a 2.0 megapixels digital camera that allows you to take and share pictures and videos. Please ensure that the camera lens is clean before you take pictures, as small dust particles can strongly affect the picture and video quality.

To access this menu, press **HOME**, touch the application tab, and select **Camera** or **Camcorder**.

Note: All the pictures you can capture or view on your phone are stored on an SD card, which must be installed in your phone. Before you can use the camera or camcorder, make sure you have a SD card installed.

Do not take photos of people without their permission.
Do not take photos in a place where cameras are not allowed.
Do not take photos in a place where you may interfere

with another person's privacy.

Taking a photo

You can take photos in various modes, the camera produces JPEG photos.

1. Access the **Camera** menu to turn on the camera. If you are in camcorder, press **MENU** and then select **Switch to camera**. Before you take a photo, you should insert a SD card.
2. Frame your subject on the screen
3. Touch  onscreen to take a picture.



Recording a video

1. Press **HOME**, touch the application tab and then touch **Camcorder**. If you are in camera, press **MENU** and then touch **Switch to video**.
2. You can change the capture video quality by touch the related icons on the bottom of the screen
3. Touch  to starting recording the video. Touch  to stop recording.

View your photos and videos

To view the pictures and videos you've captured, as well as any you've stored on your SD card, please go to **Gallery** menu to view the details.



Contacts

You can store phone numbers on your phone's memory. This menu gives you quick and easy access to the people you want to search. You can view and create contacts on your phone, and can also import contacts stored on your SIM card.

To access this menu, press **HOME**, and touch the application tab, and then select **Contacts**.

You can also press the **CALL** Key in home screen and select **Contacts** tab.

Contact list

Use this menu to search for contact information stored in phone book. Contacts you star as "Favorites" are listed in the Favorites tab.

Browse through your contacts by slide the **Touchpad**, or by sliding your fingertip up and down on the screen.

Creating a contact

Use this menu to add a new contact to Phone book.

1. Press **HOME**, and touch the application tab, and

- then select **Contact**.
2. Press **MENU** to access the option and choose **New contact**.
3. Enter the information to the new contact, such as phone number, email address, first and last name, ring tone, and so on. Slide your finger up or down to see more labels.

Note: To change a default information label, for example Home number to Work number, touch the information label button, then select another label on the menu.

4. Enter the contact's name. Finally, to save the new contact, press **MENU** and select **Done**, or just tap the **Done** icon.
5. Touch a category of contact information, such as phone numbers and email addresses, to enter that kind of information about your contact.
6. Touch a category's plus button  to add more than one entry for that category. for example, to add both work and home numbers. Touch the button to the left of the item of contact

information to open a menu with preset labels, such as Mobile and Work for a phone number, or touch Custom in the menu to create your own label

7. Touch the Picture Frame icon to select a picture to display next to the name in your lists of contacts and in other applications.



8. When you're finished, touch Done.

Edit contact detail

1. From contacts, touch and hold the contact whose information you want to edit. The context menu opens.
2. Select **Edit contact**. The Edit contact screen appears.
3. Make your edits, then touch **Done**. To cancel, press **MENU** and touch **Revert**.

Once you've edited a contact's detail, the contact will automatically become part of the **My Contacts group**.

Communicate with a contact

From the contacts list, you can quickly call or send SMS or MMS to a contact.

To open a contact's details screen, simply touch their name from contacts.

To dial a number of the contact, touch the contact's name, then touch the **Call Key** to dial.

To For phone numbers, you switch automatically to the Phone application as the number is called. For other kinds of communication, you switch automatically to the appropriate application, with the contact's address entered.

Display a contact group

To select which contact group to display in Contacts, press **MENU** and select **Display options**. Touch an account to open its list of groups.

An account's groups depend on the kind of account. contacts with phone number, regardless of whether you've created them on the phone or Web.

To import contacts from the SIM card

In the contact list, press **MENU**, and then touch **Import /Export**.

If you have stored names and phone numbers on your SIM card, you can add these to the contacts stored on your phone by selecting this option. Once the list of names and numbers appears you can:

1. Open your contacts.
2. Press Menu and touch **Import/Export > Import from SIM**, if you have more than one account on your phone, touch the account into which you want to import the contacts. A list of the contacts on the SIM appears
3. Touch & hold a contact and touch **Import** in the menu that opens. Or press Menu and touch **Import all**

Favorites

In home screen, press the **CALL** Key. Tap Favorites icon



can access your Favorite Contacts.

How to set a favorite contact?

1. Open your contacts.
2. Touch a contact to view its details.

Beside the Name field,  icon indicates the contact is



your favorite or not. Tap this icon until it turns to . Now the contact will be copied to **Favorites**. Or you can touch and hold the contact which you want to add to Favorites to open the context menu, and then select **Add to favorites**.

Call log

Use this menu to view the calls you have dialed, received, or missed, and the length of the calls.

To access this menu, press **HOME**, touch application tab, and select **Contact**, tap the **Call log** tab to access the call log menu.

Accessing a call log

1. Slide the **Touchpad** to scroll through the call list.

2. Touch the selected log to view its detailed information, send SMS message, or add the number to contacts.

Using call log options

In the call log list, you can press the call log to access the following option:

- **Call back:** Touch to call the selected number.
- **Send text message:** Touch to send SMS message to the selected contact.
- **Add to contacts:** Touch to add the selected number to a new contact.



Phone

Use this menu to dial your friends.

To access this menu, press **HOME**, touch the application bar, and select **Phone**.

Or you can press **CALL** key in idle mode, and then tap **Dial**.

3. instruction.
Pair and connect your phone to the Bluetooth headset or car kit.
4. Now you can use your headset or car kit to receive call.

How to dial a number?

Enter the number you want to dial, and then press the **CALL** Key to dial.

To know the detail, see calling in page 19.

Dial by using Bluetooth devices

You can place and receive calls using a hands-free Bluetooth headset or hands-free car kit. Before you can use your Bluetooth device, follow the following steps:

1. Go to **HOME** > **Settings** > **Wireless & networks** to turn Bluetooth on.
2. Get your headset or hands-free car device ready for pairing by following the manufacturer's



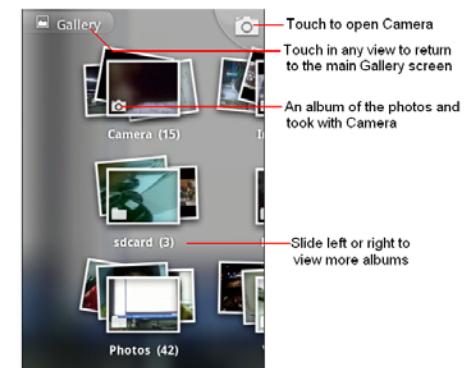
Gallery

Use this menu to access photos and videos you have taken. For photos, you can also do basic editing tasks, set them as wallpaper or contact picture, and share to your friends.

To open pictures and videos, press **HOME**, and touch the application tab, and then touch **Gallery** icon.

Viewing an image

Gallery presents the pictures and videos on your microSD card, including those you've taken with Camera and those you downloaded from the web or other locations.



Select an album to view the picture.
Touch an album to open it and view its contents.

The pictures and videos in the album are displayed in chronological order.

Touch a picture or video in an album to view it.

Return to the main Gallery screen at any time by touching its icon  at the top left of the screen.

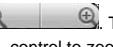
Touch the screen to open the zoom-in and zoom-out controls . Touch the + control to zoom in; touch the – control to zoom out.

Image options

You can do the following while in pictures. Note: in all the instructions below, you can touch and hold a picture to open the context menu to access all the following actions.

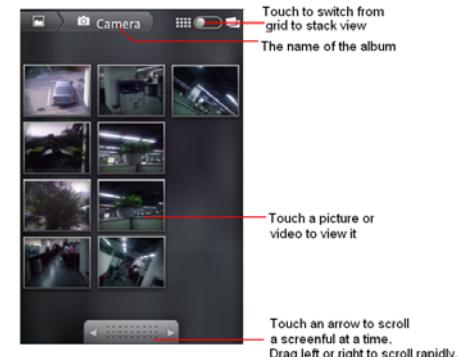
View

Select to view a picture in full screen mode.

Share

Touch Share at the bottom of the screen. In the menu that opens, touch the application to use to share the selected albums.

The application that you selected opens with the pictures from the selected albums or links, attached to a new message. For information about addressing and sending the message, see the section on that application.



Delete

Select this option to delete the selected picture. The picture will be removed from the SD card after you confirm.

Details

Select to show the detail information of the picture, including its name, size, resolution, and the date taken.

Set as

Select to set the selected picture as wallpaper or contact icon. Before do that, you can crop the picture, the operation is same as above descriptions.

Crop

Select to crop the selected picture. Touch and hold an edge of the cropper to reveal the sizing arrows, then drag the edge in or out to size. Touch and drag the center of the cropper to move it within the picture. When you want to save the cropped area, select **Save**. Select **Discard** to

cancel the crop.

The cropped picture is saved to Pictures.

Rotate

Select from rotate left (anti-clockwise) or rotate right (clockwise), your picture rotates and is saved automatically.

Images Slide show

Slideshows include all the pictures in your albums. Touch a picture to view the controls and touch Slideshow. Touch a picture to end the slideshow.

To watch videos

On the main Gallery screen, touch a video album and then touch the video you want to watch to start playing back the video.



Gmail

Gmail is Google's web-based email service. At first, you can create a new Gmail account or sign in by entering your Gmail account.

To open Google Mail

Press **HOME**, then touch the Application tab, and then touch **Gmail**. You can create a new Gmail account or enter your Gmail account. Your default Gmail view is the inbox conversations list. All your received emails are delivered to your Inbox.

To rarely perform actions on batches of conversations (that is, multiple conversations that you check in the left column), you can hide checkmarks in conversation lists by pressing **MENU**, touching **More > Settings**, and unselecting **Batch operations**.

To refresh Gmail

Press **MENU** and then touch **Refresh** to send or receive new emails and to synchronize your emails with Gmail

account on the web.

Create and send an email

Compose a new email

1. In the Inbox, press **MENU** and then touch **Compose**.
2. Add recipients by typing an address in the **To** field. If you want to send the email to several recipients, separate the email addresses with a comma. Add as many as you wish. If you want to send a copy (cc) or a blind copy of the email to other recipients, press **MENU** and then touch **Add Cc/Bcc**.
3. Type a subject and message.
4. To add a picture attachment, press **MENU** and select **Attach**. Select a picture. To remove an attachment, select the attachment's **Remove** button.
5. Touch **Send** or **Save as draft** when ready. Pressing **BACK** will also save it as draft.
6. To discard the email you just now composed, touch

Discard.

Note: If you want to view the messages in Draft box, press **MENU** and then touch **Go to labels > Drafts**.

Note: If you want to view the messages in Outbox, press **MENU** and then touch **Go to labels > Outbox**.

To add a signature to emails

In the Inbox, press **MENU** and then touch **More > Settings > Signature**.

You can enter your signature in the text box, and then touch **OK**.

To view your sent messages

In the Inbox, press **MENU** and then touch **Go to labels > Sent**.

Read Email

When you open a conversation for reading, the subject will appear in a box at the top of the screen.

Here are some actions you can take on individual messages and conversations:

Open an unread email

Press **HOME**, then touch and hold the status bar, and then slide down your finger on the screen to open the Notification panel. Touch the new email to view it. While in the **Inbox**, touch the unread email to view it.

Scroll through messages

Slide your finger up or down on the screen, quickly brush your finger up or down to scroll faster. You can slide the **Touchpad** to scroll through the message.

Move conversation as spam

From a conversation list, touch and hold the conversation to open the context menu, touch **Report spam**.

From the read view, press **MENU** and touch **More > Report spam**.

Mark conversation as read/unread

From a conversation list, touch and hold the conversation to open the context menu. Touch **Mark read/Mark unread** as appropriate.

From the read view, press **MENU** and select **Mark read/Mark unread** as appropriate.

Archive conversation

From a conversation list, touch and hold the conversation to open the context menu. Touch **Archive**.

To view your archives messages, press **MENU** and touch **Go to labels**.

From the list of label, touch **All mail**.

Label a conversation

From a conversation list, touch and hold the conversation to open the context menu. Select **Change labels**.

When reading a conversation's messages, press **Menu** and touch **Change labels**.

In the dialog that opens, check the labels to assign to the conversation.

Reply to or forward emails

When you reading the email, you can reply, reply to all, or forward the email.

To reply the email, scroll to the end of the conversation, touch the **Reply** button.

To reply all, touch the **Reply to all** button.

To forward the email, touch the **Forward** button.

Compose your message and then touch **Send** or **Save as draft** when ready. Pressing **BACK** will also save as draft.

Search for messages

In email, you can search for a specific message by sender, word in subject, or label:

1. From a conversation list, press **MENU** and touch **Search**.
2. Type your search string into the box, and then touch **Search**.

Set Gmail settings

In the Inbox, press **MENU** and then touch **More > Settings**.

You can access the following options:

- **Signature:** Touch to enter a signature that will appear at the end of your emails.

- **Confirm actions:** Select the check box to show a confirmation box when you archive, delete or send a conversation.
- **Auto-advance:** Press to select Newer conversation, older conversation or Conversation list.
- **Message text size:** select the text size you want when edit the message.
- **Batch operations:** Select the check box to show the batch operations feature.
- **Clear search history:** Touch to remove the history of the results you've touched when searching for messages.
- **Labels:** Touch to select which Gmail labels to synchronize.
- **Email notifications:** Select the check box to show a notification icon on the status bar when you receive a new email. You can touch **Select ringtone** if you want your phone to ring when a new email message arrives.
Select **Vibrate** if you want your phone to vibrate when you receive a new email message.

Talk

Google Talk is Google's instant messaging program. It lets you communicate with other people that also use Google talk on a phone or on the web.

Sign in

To open Google talk, press **HOME** and tap the application tab, and then touch **Talk**.

Note: The Google talk account is set up based on the Google account you used in Gmail.

Chat

To start a chat, touch a friend from the friends list.

To add a new friend

You can only add people who have a Google account. In the friend list, press **MENU** and then touch **Add friend**. Enter the Google talk instant messaging ID or Google email address of the friend you want to add. Touch **Send invitation**.

To change your online status and message

Touch the online status icon  beside your name, and then select the status you want on the menu.

Touch the text box under your online status icon and then enter your status message using the onscreen keyboard.

Touch **Done** on the screen keyboard.

Start a chat

Touch the name of a friend in the Friend list.

Type your message using the keypad.

When ready, touch **Send**.

To switch between active chats

If you have more than one chat going, you can switch between them by pressing **MENU** and selecting **Switch chats**.

On the panel that opens, select the chat you want to join.

To close a chat

To close the current chat, press **MENU** and select **End**

Chat.

In your friend list, touch and hold a friend with an active chat and then touch **End chat** on the menu.

Manage your friends

Block a friend

While in a chat with a friend, if you want to block them from contacting in the future, touch and hold the friend's name, then touch **Block friend**.

View your friends

In the list, friends are sorted first by their status:

- Available
- Away
- Busy
- Offline

Within the status groupings, friends are listed in alphabetical order, A-Z.

Mobile indicators

If you use **Google talk**, you can set Mobile indicator.

To the right of your friend's name, you might see an icon that reveals the last client from which they signed in. If you do not see an icon, then they signed in last from a computer.



- Signed in from Android phone.



- Signed in from mobile phone.

To set whether or not a mobile indicator displays next to your name, you should press the **MENU** key, and select the check box of "**Settings > Mobile indicator**".

Adjust settings

General settings

You can sign in to your Google talk automatically every time you turn on your phone.

In the Friends list, press **MENU** and touch **Settings**.

Select the **Automatically sign** in check box.

Press **BACK** to save your settings.

Note: In the **settings** menu, you can select the **Mobile**

[indicator](#) check box to show mobile indicator to your friends.

[Sign out.](#)

Notification settings

You can receive a notification each time you receive a new instant message:

1. From a Friends list, press **MENU** and select [Settings](#).
2. Select the IM notifications check box to receive a notification in the status bar when a new message arrives.
3. If you want your phone to ring when a new message arrives, select [Select ringtone](#). From the ringtone menu, select a ringtone specific to new IM message notifications. Note that when you check a ringtone, it plays briefly. If you do not want a ringtone to play when you receive a new message, select [Silent](#).
4. If you want your phone to vibrate when you receive a new message, select the [Vibrate](#).

Sign out

To sign out, from the Friends list, press **MENU** and select

Maps



Maps lets you track your current location, view the traffic situations. You can locate your interest places in this application.

To open the Maps, press **HOME**, tap the applications icon, and then touch **Maps**.

Map opens by default in "Map mode". To change the mode, press **MENU** and select "**Map mode**".

Note: You need the WAP connection to use Maps. Before you open Maps and find your location or search for places, you must go to **Settings > Location & Security** to select **Use wireless networks, Enable GPS satellites**, or both.

Zoom and navigation in maps

While viewing a map, take advantage of the following zoom and navigation techniques:

Touch the map, the zoom controls icons will appear. If using the zoom controls, touch  to zoom in, touch

 to zoom out.

Slide the **Touchpad** to shift your map view. Or slide your fingertip in any direction to shift your map view.

Your location

1. From the main Map screen, press **MENU** and select **My location**.
2. The map centers on a blue dot that indicates your location. A blue circle around the dot indicates that your actual location is within the circle

Find a location

1. From the main Map screen, press **MENU** and select **Search**.
2. You can type an address, a city, or select an address you've visited before in Maps from the drop-down menu (stored in history).
3. Touch the **Search** button when you are ready, your search results will display.
4. Touch a place in the list to show its location on the map.

5. Touch the result balloon to open the location's details.

Get directions

1. From the main Map screen, press **MENU** and select **Direction**.
2. Enter your source location in the first box. You can touch  to get the location from your current location, contacts or history.
3. Enter your destination location in the first box. You can touch  to get the location from your current location, contacts or history.
4. Touch the icon for car, public transit, or walking directions
5. Touch **Go**.

The directions to your destination appear in a list.



Market

This menu allows you to access some useful applications and fun games which you can download and install on your phone. Here you can also write your feedback and comments about an application.

To open it, press **MENU**, then touch the application tab, and then touch **Market**.

Getting help

You can get the help if you have questions about the Android Market.

Press **MENU** and touch **Help**. The Browser will take you to the Android Market Help page.

Finding applications

The Android Market includes a list of item applications by category, a list of games, a link to search, and a link to My downloads.

Scroll horizontally through the featured items or select a category to browse its content.

Installing an application

1. To install and open an application, you should navigate to the item you want to download, and then select it.
2. In the details screen, read more about the application, including its cost, and comments by users. In the field **About the developer** section, you can view more applications by this developer, or visit the developer's web page.
3. To install the item, select either **Install** (if item is free) or **Buy**, whichever appears.

Note: We recommend you to press **MENU** and select **Security** to view the functions and data this item can access on your phone.

Note: If the application requires either access to any of your data or control of any functions on your phone, Market tells you what the application can access.

Be especially cautious with the application that have access to many functions or a significant amount of your data. Once you select **OK** on the screen, you are responsible for the results of using this item on your phone.

4. To check the progress of the download, open the notification window. If you want to stop downloading the item, touch **Cancel download**.
5. On the Android Market screen, touch **My downloads** to see it.
6. Touch the installed application in the list, and then touch **Open**.

Now you can find the icon of the installed application on the Application tab.

Purchasing an application

If an application has a price associate with it, you have to buy it before you can download it.

You pay for an application only once. You can uninstall it

and download it again later without having to pay for it again.

Touch the application you want to buy.

At the bottom of the screen, touch **Buy**.

If you are making a purchase for the first time, you will log in to Google checkout payment and billing services.

Finding your download applications

From the Android Market home, touch **My downloads** to view your downloaded items.

Uninstalling an application

You can uninstall any application that you have downloaded and installed from Android Market.

1. On the My download screen, touch the application you want to uninstall, then touch **Uninstall**.
2. When prompted, touch **OK** to remove the application on your phone.
3. Choose the reason for removing the application, then touch **OK**.

Messaging

Messaging

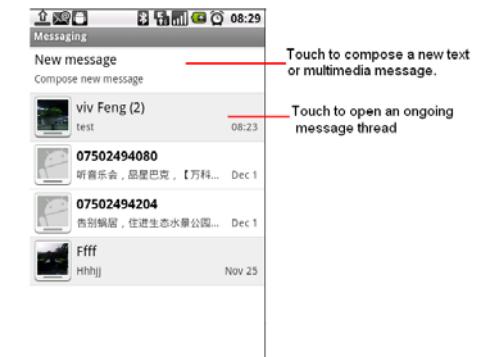
Use the Messages menu to send and receive text messages, multimedia messages.

To access this menu, press **HOME**, touch the application tab and touch **Messaging**.

Messages list

Touch the Messaging icon  on the Home screen or in the Launcher

The Messaging window opens, where you can create a new message or open an ongoing message thread.



Reading text messages

Press **HOME**, then touch and hold the status bar, and then slide it down to open the notifications panel. Touch the new message to open and read it.

On the message list, touch the message you want to read.

Note: If a link is included in a message, touch the link to open Browser and view the web page.
If a phone number included in a message, touch the message to open Dialer so you can call the number.

Reading multimedia messages

If you have selected to auto-retrieve your multimedia messages, both the message header and body will download. To view your message, select the "Play" button.

If you are downloading only the headers, then you must first select the **Download** button to retrieve the message body. If you are concerned about the size of your data downloads, you can check the message size at first. Once the message has downloaded, select the "play" button to view the message.

Reply to a message

1. Simply start typing your message in the text box at the bottom of the screen to reply to a message.

2. You can press **MENU** and select to add subject or an attachment to convert it to a multimedia message.
3. Touch **Send** when ready.

View message details

To view details about a particular message, in the Read view, touch and hold the message to open the option menu. Touch **View message details**.

Delete a message or a message thread

In the message list, touch the message thread that you want to delete.

To delete the entire thread, press **MENU** and then touch **Delete thread**. When prompted to confirm, touch **Delete**.

To delete a message in a thread, touch and hold the message that you want to delete, then touch **Delete thread** on the options menu. When prompted to confirm, touch **Delete**.

To delete all messages on the message list, press **MENU** on the message list and then touch **Delete threads**.

Create new message

Use this menu to create and send messages.

Text message

With an SMS-compatible phone number, you can send and receive short message service (SMS) messages. An SMS-compatible number is a phone number that your service provider enables for SMS. You can send SMS messages to contacts that have SMS-compatible phone numbers.

1. Press **HOME**, touch the application tab and select **Messaging**.
2. On the messaging screen, touch **New message**. The compose screen opens.
3. In the **To** field, you can enter the receiver's number by using the onscreen keyboard.
4. In the **Content** field, you should enter the SMS content.
5. Finally, when you have finished writing, you should

tap **Send** button to send the message. The send progress is displayed at the right side of the message.

Multimedia message

Multimedia Message Service (MMS) delivers messages containing a combination of text, image, video, and audio, from phone to phone or from phone to email.

1. Press **MENU** in idle mode to enter the main menu and touch **Messaging**.
2. Touch **New message** to compose a new message.
3. In the **To** field, you can enter the receiver's number or email by using the onscreen keyboard.
4. In the **Content** field, you should enter the MMS content.
5. To add a subject, press **MENU** and touch **Add subject**.
6. To add an attachment, such as picture, melody, video, and so on, you should press **MENU** and select **Attach**. In the following Attach menu:
 - **Pictures**: Opens the Gallery application, you can choose a picture to insert into MMS.

- **Capture picture:** Opens camera to take a new photo, and then you can insert the new photo to MMS.
- **Videos:** Opens the Gallery application. Touch a video on the screen to attach it to your message.
- **Capture video:** Opens the camcorder application. Take a video, and then touch **Attach** to attach it to your message.
- **Audio:** Opens the select audio menu. Touch an audio file to select.
- **Record Audio:** Open a voice recorder to record a new audio. It is also can be inserted into MMS.
- **Slide show:** List all the slides the MMS have, tap **Add Slide** to add a new slide.

7. In a new slide show, you can also press the **Menu** Key to access the following options:

- **Preview:** Touch to preview the slide;
- **Add picture:** Touch to go to gallery to add picture.
- **Capture picture:** Touch to open a camera to take a new photo, the photo can be inserted into MMS.
- **Add music:** Touch to add music to MMS.
- **Add video:** Touch to go to the gallery to add the video into the MMS.

- **More:** Tap to set the duration and layout of the current slide, the default duration is 5 sec, the default layout is bottom.

8. Finally, when you have finished editing slide, you should tap **Done** button to save and return to main editing screen.
9. In the main editing screen, you can tap **Send** button to send the message.

Message Settings

Use this menu to set up various options for using the messaging services.

How to access message settings?

1. In idle mode, touch the application tab and touch **Messaging**;
2. Press **MENU** to access the option menu and touch **Settings**.

Message settings menu

1. Storage settings

- **Delete old messages:** Check to delete older messages in a thread when the Text message limit or Multimedia message limit is reached. Uncheck to keep all messages.
- **Text message limit:** Touch to set the number of messages to save per thread of text messages. When the limit is reached, older messages are deleted if Delete old messages is checked
- **Multimedia message limit:** Touch to set the number of messages to save per thread of multimedia messages. When the limit is reached, older messages are deleted if Delete old messages is checked

2. Text message(SMS) settings

- **Delivery reports:** Request a delivery report for SMS message you send, if set to on, the network will inform you when your SMS messages are delivered.
- **Manage SIM card messages:** This menu allows you to manage messages stored on your SIM card; you can delete them, and copy them to your phone memory.

3. MMS setting

- **Delivery reports:** Request a delivery report for MMS message you send, if set to on, the network will inform you when your MMS messages are delivered.
- **Read reports:** Request a read report for each MMS you send. If set to on, your phone will send a read-reply request along with your messages.
- **Auto-retrieve:** To retrieve all your MMS messages automatically (the header plus the message will download to your phone), select this check box. If you clear the check box, only the message headers will be retrieved and display in your message list. You can select Download button to retrieve the full message.
- **Roaming auto-retrieve:** Automatically retrieve messages while roaming. If you are concerned about data traffic and just want the message headers to download while roaming, you can set it to off.

4. Notification setting

- **Notification:** If set to on, a new message comes, it will display message notification in status bar.
- **Select ringtone:** If you want your phone to ring when a new message arrives, select the check box. Note that when you check a ringtone, it plays briefly.
- **Vibrate:** If set to on, your mobile phone will vibrate while a new message arrives.

In above on / off feature, you can touch the on  / off  icon to set the feature on / off.



This menu allows you to listen to your favorite music. To open your music library, press **HOME** and touch application tab, and then touch **Music**. Your music is organized into four categories: Artists, Albums, Songs, and Playlists. Select a category to view the lists within each. Once in a category, keep selecting until you reach the music you want to play. For example, if you select the Artists category, you will see a list of artists in A-Z order. If you select an artist, the list opens to display that artist's albums. Select an album, and the album's song list displays.

Note: Music only plays audio files saved on the SD card of your phone; you must copy your audio files to the SD card before you open Music.

Load music onto your SD card

All the music you can listen to on your phone is stored on an SD card.

1. Connect the phone to your computer with a USB cable and mount the microSD card.
2. To organize your audio files, you can use the computer to create a music folder at the top level of the microSD card.
3. Use the computer to copy music and other audio files into the folder that you created on the microSD card.
4. If you have created any playlists, create a subfolder for them in your music folder on the microSD card and copy the playlists into it.
5. Unmount the microSD card from the computer and disconnect the phone.

Play music

At any level in your library, touch and hold a list (a song, artist, album or playlist) to open the context menu. Select **Play** to begin to play and go to the playback screen.



You can press do following actions on the playback screen:

Shuffle songs: Shuffle songs in random order. Touch  to toggle shuffle on or off. When the icon is grey, shuffle is off.

Go to any point in song: Slide fingertip in progress bar to desired point in a song.

Pause/resume play: Touch  to pause; touch  to resume play.

Fast forward: Touch and hold .

Go to next song: Touch  once.

Rewind: Touch & hold .

Go to beginning of the song: Touch  once.

Go to previous song: Touch  twice.

View current playlist: Touch .

Playlists

You can create as many playlists as you wish. The "Recently added" playlist is a system playlist and cannot be deleted or renamed.

Create a playlist on your phone

1. From the home screen, touch application tab, and then touch **Music**.
2. Select a category. From the list that appears, navigate to the artist, album, or song that you want to add in the playlist.
3. Touch and hold the artist, album, or song to open the context menu.
4. Touch **Add to playlist**.
5. In the **Add to playlist** menu that opens, select **New** to create a new playlist, or one of the existing playlist.
6. Enter the name for your new playlist and then touch **Save**.

Manage your playlists

Go to the Library screen and select **Playlists**. All the playlists appear. Touch and hold the playlist can open a menu asking you to play, delete or rename the playlist.

Settings



This menu allows you to control and customize phone settings on the Settings screen.

Press **Home**, tap the application tab and touch **Settings**. You can also press **MENU** in idle mode and touch **Settings**.

Wireless & networks

- **Airplane mode:** When airplane mode is selected, all wireless connectivity is off. This icon  will display in the status bar when airplane mode is selected.
- **Wi-Fi on/off:** Select the check box if you prefer to use Wi-Fi for your data connection. The phone will scan for available wireless network.
- **Wi-Fi settings:** Open the Wi-Fi settings screen to
 - **Wi-Fi:** Check to turn on Wi-Fi so you can connect to Wi-Fi networks.

- **Network notification:** Check to receive an alert when an open Wi-Fi network becomes available.
- **Wi-Fi networks:** Displays a list of Wi-Fi networks you've previously configured and those detected when the phone last scanned for Wi-Fi networks.
- **Add Wi-Fi network:** Opens a dialog where you can add a Wi-Fi network by entering its SSID (the name it broadcasts) and security type
- **Bluetooth on/off:** Touch the check box to turn Bluetooth service on or off.
- **Bluetooth settings:** With Bluetooth services on, you can open the Bluetooth settings screen to:
 - **Device name:** Rename your device.
 - **Discoverable:** Select to be discoverable for up to 120 seconds, or not discoverable.
 - **Scan for device:** Touch to search for and display information about nearby Bluetooth devices.

Bluetooth devices: Displays a list of Bluetooth devices that you've previously configured and those detected when the phone last scanned for Bluetooth devices.

➤ **VPN settings**

- Add VPN: Opens a screen that prompts you to select the type of VPN to add. You are then prompted for VPN configuration details.

➤ **Mobile networks:**

- Select data roaming capability.
- Select a wireless operator network – scan for available networks, or select a network automatically.
- Add or edit network Access Point Names (APNs) – Do not change this setting unless advised to do so by your wireless operator.

Call settings

Note that when you open Call settings, your current settings are fetched, which can take a few moments.

- **Fixed Dialing Number:** This feature allows you to restrict outgoing calls to a fixed set of numbers. To enable this feature you must know the SIM PIN2 code for your phone. You can get this number from your wireless operator, assuming this feature is supported.
- **Voiceicemail:** Select to set a voicemail number. You can touch the icon beside the number box to search in the contact list. Finally, touch the **OK** button to save the setting.
- **Call forwarding:** Select how you want busy, unanswered, and unreachable calls to be handled. There is also an option to Always forward.
- **Additional call settings:** From this setting, you can set your Caller ID preference (if available) and turn on/off call waiting.
- **Network operator:** Select a wireless operator network – scan for all available networks, or select a network automatically.

Sound & display

Sound settings

- **Silent mode:** Select to silence your phone, all sounds except media & alarms will be silenced if it is on.
- **Ringer volume:** Select to open the volume control, and then slide your finger along the volume bar to set an incoming call and notification ring volume.
- **Media volume:** Select to open the volume control, and then slide your finger along the volume bar to set the volume for playing back music and videos.
- **Phone ringtone:** Select to decide on a ringtone to use for incoming calls.
- **Phone vibrate:** Select to have your phone vibrate for incoming calls.
- **Notification ringtone:** Select to decide on a ringtone to use when you receive a notification (e.g., new message, upcoming event).
- **Audible touch tones:** Select to have a tone sound

when you use the on-screen Dialer.

- **Audible selection:** Select to have a sound play when you select an item on the screen.
- **SD card notifications:** Select to enable or disable SD card notification sounds.

Display settings

- **Orientation:** Select to switch orientation automatically when rotating phone.
- **Animation:** Select to activate the animation while opening or closing windows.
- **Brightness:** Select to open the brightness control, and then slide your finger along the brightness bar to set the level.
- **Screen timeout:** Select to decide how long your phone must be inactive before the screen turns off. Select **Never timeout** if you wish, but battery life will decrease.

Security & location

My location sources

Select a source for determining your location:

- Wireless networks, or
- GPS satellites

Typically GPS will be more accurate (to street level) but it consumes more battery power. Note that GPS is active only when in Maps or another application requiring your location.

Screen unlock pattern

The first time you select [Set unlock pattern](#), you will step through a quick tutorial. Create a pattern you will be asked to draw before your screen will unlock. Next time you enter this menu, you should draw correct pattern at first, otherwise, you can not draw new pattern.

You can select to make the pattern visible or invisible as you draw it by clicking the check box of [Use visible pattern](#).

SIM card lock

Lock your SIM card for extra security, you should enter

the PIN code to activate or deactivate. You can also change your SIM card PIN from this screen. If you do not know your SIM PIN, You can obtain it from your wireless operator.

Passwords

Visible passwords: Select to have your password display as you type it.

Applications

This menu allows you to manage applications, set up quick launch shortcuts.

➤ **Unknown sources:** Select this check box if you want the ability to download applications from the Web. With this check box not selected, you will only be able to download applications from Android Market. To ensure your personal data and phone remain secure; it is recommended you not select this check box.

➤ **Manage applications:** View all the applications stored on your phone and how much space they

occupy. If you've downloaded an application from Android Market, you can uninstall it from this screen.

Select a specific application to:

1. Clear your user data (if you have any associated with a particular application).
2. Uninstall - If you've downloaded an application from Android Market, you will be able to uninstall it from this screen by selecting **Uninstall**.

➤ **Development:** If you are an application developer, you may be interested in these settings:

1. **USB debugging:** If you want be able to communicate with your phone directly via USB, select this check box.
2. **Stay awake:** To prevent your phone from sleeping while charging (via power adapter or USB), select this check box.
3. **Allow mock locations:** To allow mock locations, check this box.

SD card & phone storage

View and manage the data storage on your phone:

SD card

Monitor and manage the use of your SD card from this screen:

View how much space you are using on your memory card.

Select to use your memory card as USB mass storage when your phone is connected to your computer (selected by default)

Unmount/eject your memory card from your phone. Note that if you select this option, when your phone is connected to your computer via USB, you cannot view pictures or play any media stored on the card from your phone.

Internal phone storage

Reports how much internal storage is free.

You can also select to reset your phone to factory settings. This will erase all your data from the phone and require you to sign in and go through the set-up screens to use any of the applications.

Date & time

Set time, time zone, and date: Use [Automatic](#) unless you need to override the network values.

Use 24-hour format: Select to set 24-hour formats on or off.

Date format: Select from a variety of formats, MM-DD-YYYY, DD-MM-YYYY, MMM DD, YYYY, DD-MMM-YYYY, or YYYY-MM-DD.

Text

Select local: This menu allows you to choose the language.

Text settings: This menu allows you to choose the input method and configure its word suggestion feature.

About phone

View your phone [Status](#). This screen lists a variety of information, including your phone number, the network you are currently using, the type of network, signal strength, whether you are roaming or not, any Wi-Fi addresses you're connected to, and more.

Select [Legal information](#) for copyright and licensing information, as well as the Google Terms of Service for the Google applications on your phone.

Read about the [Contributors](#) to the Android phone.

Select the [System Tutorial](#) to learn how to use your phone.

You can view the model number and version information for your phone.

Spare Parts

This menu allows you to view or configure some features. Press **Home**, tap the application tab and touch **Spare Parts**.

Device info

- **Battery history:** Touch it to view the summary of how battery has been used.
- **Battery information:** Touch it to view current battery status information.
- **Usage statistics:** Touch it to view the summary of application usage.

General

- **Window animations:** Touch to set the speed of animations in individual windows. You can choose the windows speed, off, fast, normal, slow, or very slow.
- **Transition animations:** Touch to set the speed of animations moving between screens.
- **Fancy input animations:** Touch to check box to

use fancier animations for input method windows.

- **Font size:** Touch to set the overall size of fonts.
- **End button behavior:** Touch to select End (red) button action.
- **Haptic feedback:** Touch to use haptic feedback with user interaction.

Video Player

This menu allows you to play the video.
Press **Home**, tap the application tab and touch **Videos**.
On the screen, touch a video you want to watch to start playing back the video.



YouTube

YouTube is a free online video streaming service that allows you to view, search, and upload videos. Note: You must have an active data (GPRS/EDGE/3G) or Wi-Fi connection to access YouTube.

To open YouTube

Press **HOME**, touch the application tab and then touch **YouTube**.

The YouTube screen appears with the videos grouped into categories, such as Featured, Most popular, Most viewed, Top rated, Most recent, and so on.

To close YouTube

While on the YouTube screen, press **HOME** or **BACK** to close YouTube.

Watch YouTube videos

1. On the YouTube screen, select a video to watch from the available categories. Touch a category to see the available videos.

2. Touch a video to play it.
3. Touch the screen to display the playback controls.

Drag to the left or right to go back or forward in the video.



4. Press **BACK** to stop playback and return to the videos list.

Search for videos

1. On the YouTube screen, press **MENU** and then touch **Search**.
2. Enter a search keyword, then touch .
3. The search results appear below the status bar. Scroll through the results and touch a video to watch it.

To clear the search history

1. Press **MENU** and then touch **Settings**.
2. Touch **Clear search history** and then touch **OK** when prompted.

Troubleshooting

Common issue	Cause reason	Shooting way
Bad connection	Using mobile phone in an area where the network connection is not good, such as around a tower or basement, and radio wave cannot be sent effectively.	Try to avoid.
	Using mobile phone when network is busy, such as an on-off duty time, line busy.	Try to avoid.
	Related to the distance of the send basis of the network.	Ask your operator to provide a map of your service area.
Aftersound or cacophony	It is caused by network connection and it's a regional problem.	Hang up and redial the number.
	Network connection is not good in some areas.	
Idle time becomes short	Idle time is related to network settings.	If the mobile phone is in the area where the network connection is not good, please temporarily shut off your phone.
	Need to change battery.	Insert a new battery.
	When you cannot receive signals, your mobile phone will continue to send to find a basis. A lot of battery power is used, so as to limit idle time.	Please move to an area where signal is strong or temporarily turn off your phone.

Cannot switch on	Battery is drained.	Check battery volume or charge battery.
Wrong SIM card	SIM card is damaged.	Contact your operator.
	SIM card is not inserted properly.	Make sure SIM card is inserted properly.
	Dirt on metal side of SIM card.	Wipe metal point of SIM card with a clean cloth.
Cannot connect to network	SIM card is unusable	Contact your operator.
	Out of GSM service area.	Request service area to operator.
	Feeble signal.	Please move to an area where signal is stronger and try again.
Cannot call	Activate call barring	Cancel call barring
	Activate fix dialing	Cancel fix dialing
Wrong PIN code	Enter the wrong PIN code three times.	Contact your operator.
Cannot charge	Battery or charger is damaged.	Change battery or charger.
	Charge in area where the temperature is lower than 0°C or higher than 40°C.	Change charging environment.
	Bad connection	Check the connection between the phone and the charger.
Cannot add contact	Contacts memory is full.	Delete some contacts.

Cannot set some functions Operator does not support the function or you have not applied the function. Contact your operator.

Safety Information and Notices

Using the Cell Phone and Charger

Danger:

Only use the battery and charger approved by the manufacturer. Using other brands may cause battery leakage, overheating, explosion or even fire.

Caution:

Keep the phone away from dust, water and damp areas. Dust, water or other liquids may cause overheating, electrical leakage, and/or phone failure.

The phone, battery, charger and AC adapter are not waterproof. Keep them away from rain and liquid.

Warning:

Do not bump, shake or tamper with the phone or charger. This may cause battery leakage, overheating, explosion or even fire.

Do not place the battery, phone or charger near a microwave or high-voltage device. This may cause battery leakage, overheating, explosion or even fire; also prevent the phone and AC adapter from overheating, smoking or short circuiting.

Do not use the phone around volatile oil. This may cause fire, breakdown or damage.

To avoid any damage or breakdown, do not disassemble the phone, battery, charger or internal components by yourself.

Using the Cell Phone

Warning:

Do not use the phone while you are driving. Pull over and stop your automobile to dial or listen to a phone call; Usage of cell phones in aircrafts or in hospitals is prohibited. Switch the phone off to prevent interference with electronic medical devices. Follow any rules or regulations in such places.

Do not use the phone at a gas station, near fuel or near chemicals.

Do not use the phone near electronic medical devices such as hearing aids, pacemakers and auto-control devices such as fire detectors and automatic doors. If you have to use your cell phone near an electronic medical device such as a pacemaker, please contact your manufacturer or dealer for information about preventing interference.

Caution:

Electronic systems in automobiles such as back-lock brakes, speed control, or fuel spraying systems, are usually not influenced by wireless devices. Manufacturers of these systems will tell you whether they are provided with good screening functions. If you suspect that an automobile failure is caused by a wireless wave, please contact your automobile dealer.

Avoid using your phone in crowded places.

Do not store your mobile phone near, or together with, a credit card, disk or other magnetic materials. This may effect information stored on your phone.

Keep your phone away from pins. Pins can be absorbed by the phone's receiver magnet, which may cause harm.

Using the Battery

Danger:

Do not dispose of the battery into a fire. Doing so may cause battery explosion or even fire.

If you have difficulties installing the battery, do not force the installation. This may cause battery leakage, overheating, explosion or even fire.

Keep metal objects away so they don't come in contact with the battery or its connectors as it may cause the battery to short circuit, overheat or explode.

Do not weld the polarities of the battery directly together. This may cause battery leakage, overheating, explosion or even fire.

Battery liquid is severely harmful for your eyes. If battery liquid gets in your eyes, do not rub them. Instead, wash your eyes with water first and then go directly to a doctor for help.

Do not use or store your phone in high temperature areas. This may cause battery leakage, overheating, explosion or even fire.

Warning:

Replace the battery when the normal usage time begins to decrease or if you notice the battery is overheated or has changed shape or color.

If battery liquid leaks onto your skin or clothes, immediately wash the affected parts with water.

If the battery begins to leak or emits a strange odor, properly dispose of the battery according to local

regulations. Do not throw it into a fire.

Caution:

Do not leave the product or its battery inside a vehicle or in places where the temperature may exceed 60°C (140°F), such as on a car dashboard, window sill, or behind a glass that is exposed to direct sunlight or strong ultraviolet light for extended periods of time. This may damage the product, overheat the battery, or pose a risk to the vehicle.

Using the Charger

Danger:

Only use the charger that came with the phone. Using a different charger may cause the phone to breakdown or an explosion.

If the charger short circuits or breakdowns, a fire may occur.

Do not use a damaged, worn or broken charger. This may cause a fire.

Clean dust away from the power socket to avoid the possibility of a fire.

Do not store the charger near any liquids. If liquids spill

onto the charger it may cause it to overheat or breakdown, If liquid does spill onto the charger, immediately unplug the power cable to prevent overheating, fire or another type of breakdown.

Do not use the charger in places with high humidity like a bathroom. This may cause a fire or other breakdown,

Do not touch the charger, power cable or socket with wet hands. This may cause an electric shock.

Caution:

Keep the environment temperatures within the range of 0°C ~40°C while charging. Temperature below 0°C or higher than 40°C will cause insufficient charging, terminate charging or even cause the battery to explode. Unplug the charger from its power source before cleaning it.

Do not place heavy objects on the power cord. This may cause electric shock or fire.

Hold the plug while unplugging the power cord; this will avoid any potential damage or even fire.

Requirements for Cell Phone

Avoid using your mobile phone in extremely high or low

temperature. Use the phone in a temperature range from -0~40°C and humidity of 35%~85%.

It is recommended that you do not use your mobile phone near a telephone, TV set, radio or other radio frequency sensitive devices.

Requirements for the Battery

When not in use, store the battery in a cool, well-ventilated place with sunshine.

If you won't be using the cell phone for an extended period of time, charge the battery on a regular basis to avoid battery breakdown.

The phone battery wears out fast. If the charging the battery does not improve its performance, it is time to replace the battery. Properly dispose of the battery according to local regulations. Do not throw it into a fire.

Requirements for the Charger and AC Adapter

Do not charge your phone under the following circumstances: sunshine, temperatures equal to or lower than 0°C, temperatures equal to or higher than 40°C, high humidity, dust, high vibration areas, or near a TV, a radio, etc.

Cleaning and Maintenance

The mobile phone, the battery and the charger are not waterproof. Do not use them in places with high humidity like a bathroom and also avoid spilling any liquids on the phone, battery or charger.

Use a soft cloth to clean the mobile phone, the battery and the charger.

Do not use alcohol, diluted liquid or benzene to clean the mobile phone.

If dust gets in the sockets the phone can be damaged, short-circuit or even lose the ability to be re-charged. Be sure to clean the socket regularly.

RF Exposure Information and Statement

The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. This model (FCC ID: T38PCD8093P) has also been tested against this SAR limit. The highest SAR value reported under this standard during product certification at GMS mode for use at the ear is 0.597 W/kg and when properly worn on the body is 1.048 W/kg, while in WCDMA mode for use at ear is 0.304W/kg and 0.850 W/kg on the body. This device was tested for typical body-worn operations with the back of the handset kept 1.5cm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 1.5cm separation distance between the user's body and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

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 will not occur in a particular installation. If

this equipment does cause harmful 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

This device complies with the FCC HAC requirements has also been tested E-Field, H-Field and T-Coil, the worst test result of M rating is M3, the T rating is T4.