



HUAWEI T520

GSM Dual Band Mobile Phone

USER GUIDE

Copyright © 2008 Huawei Technologies Co., Ltd.

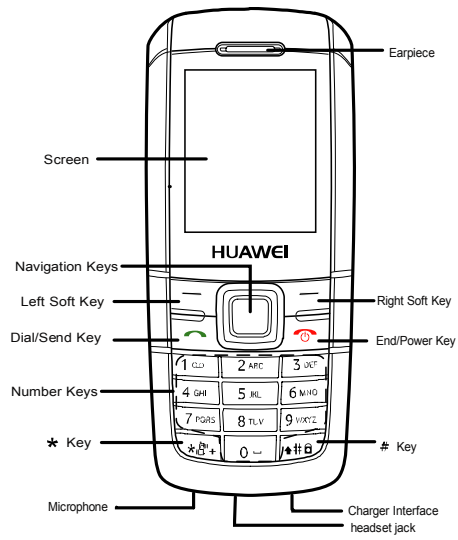


Huawei and other Huawei trademarks are the trademarks or registered trademarks of Huawei Technologies Co., Ltd. in the People's Republic of China and certain other countries. All other trademarks mentioned in this manual are the property of their respective holders. The information in this manual is subject to change without notice. Every effort has been made in the preparation of this manual to ensure accuracy of the contents, but all statements, information, and recommendations in this manual do not constitute the warranty of any kind, express or implied.
















Huawei Technologies Co., Ltd.



Address: Huawei Industrial Base, Bantian, Longgang, Shenzhen 518129, People's Republic of China
Tel: +86-755-28780808 Global Hotline: +86-755-28560808
E-mail: mobile@huawei.com Website: www.huawei.com

Your Phone
















Keys and Functions

Press...	To...
	<ul style="list-style-type: none"> • Make or answer a call. • View all call records in the standby mode.
	<ul style="list-style-type: none"> • Power on or off the phone (by pressing and holding this key). • End a call or reject an incoming call. • Return to the standby mode.
	Select the option displayed on the lower left corner of the screen.
	Select the option displayed on the lower right corner of the screen.
	<ul style="list-style-type: none"> • Access Profile () , Inbox () , the New screen for writing a new message () , and Camera () . • Increase the volume () or () and decrease the volume () or () during a call.
	<ul style="list-style-type: none"> • Enter numbers and characters. • Speed dial phone numbers in the standby mode (by pressing and holding the 1-9 keys).
	<ul style="list-style-type: none"> • Select a submenu item labeled with the corresponding number.

Press...	To...
	<ul style="list-style-type: none"> Enter the * symbol. Activate or deactivate the Meeting profile (by pressing and holding it). Provide different functions according to the phone features being used.
	<ul style="list-style-type: none"> Enter the # symbol. Lock the keypad in the standby mode (by pressing and holding it). Provide different functions according to the phone features being used.

Screen Icons

Icon	Description	Icon	Description
	Indicates the signal strength.		Indicates the battery level.
	The headset is connected.		The call is transferred.
	The Silent profile is activated.		An alarm clock is set.
	The keypad is locked.		Memory for saving messages on the phone is full.

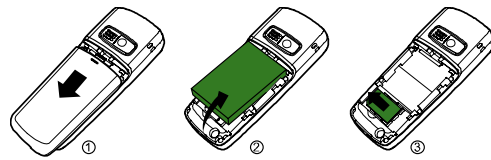
Icon	Description	Icon	Description
	The Custom profile is activated.		Memories for saving messages on the phone and SIM card are full.
	The Outdoor profile is activated.		Memory for saving messages on the SIM card is full.
	The Meeting profile is activated.		

Menu Tree

Call history	Phone book	Entertainment
<ul style="list-style-type: none">1 Missed calls2 Received calls3 Dialed calls4 All5 Call duration	<ul style="list-style-type: none">1 Name list2 New3 Group4 Speed dial5 Own number6 Management	<ul style="list-style-type: none">1 Recorder2 Games3 FM radio
WAP	Messages	Camera
	<ul style="list-style-type: none">1 SMS2 MMS3 Voicemail4 Broadcast	
Toolkit	My Files	Settings
<ul style="list-style-type: none">1 Alarm2 Calendar3 Calculator4 Notebook5 Stopwatch	<ul style="list-style-type: none">1 My photos2 My picture3 My ring tones4 My record5 Others6 Memory status	<ul style="list-style-type: none">1 Profiles2 Phone settings3 Display4 Call settings5 Security6 Network Access Point7 Resetore default setting

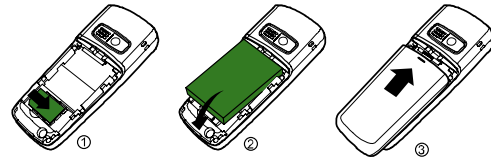
Installing the SIM Card and Battery

Make sure that the golden area on the SIM card is facing downwards and the cut-off edge is correctly aligned with the card holder.



Removing the Battery and SIM Card

Make sure that your phone is powered off.














Charging the Battery



1. Connect the charger to the charger interface at the bottom of your phone.
2. Connect the charger to an AC power socket.
3. During the charging process, the charging icon is in animated status.


4. When the charging icon becomes static, the battery is completely charged. Then you can disconnect the charger from the AC power socket.
5. Disconnect the charger from the phone.

Using the Function Menu





1. In the standby mode, press  (**Menu**) to display the main menu.
2. Press  or  to scroll to a menu item.
3. Press  (**OK**) or  to display the selected menu.
4. Display the submenu in either of the ways:
 - Press  or  to scroll to a submenu and press  (**OK**) or  to display the selected submenu.
 - Press the number key corresponding to the serial number of a submenu to display the submenu.
5. Press  (**Back**) to return to the previous menu or quit the function menu.
6. Press  to return to the standby mode.

Making a Call







1. In the standby mode, enter a phone number.
 - To make an international call, press  twice to enter the international long distance code of "+". Then, enter the number to be dialed in the "country code + region code + phone number" format.
 - To call a number with an extension, press  three times to insert "P".

2. Press  to dial the number.


3. Press  to end the call.

- Note**
- When the phone is locked, enter the lock code to unlock the phone first; otherwise, you can only make emergency calls and answer calls.
 - In the standby mode, press  to view all call records. Select a record and press  to dial.
 - Select a contact from the phonebook and press  to dial.
 - Select a message in the inbox and press  to dial.

Answering a Call

When there is an incoming call, you can press  or  (**Accept**) to answer it; press  (**Reject**) to mute the ringtone; press  to reject the call. If the Any-key Answer function is enabled, you can press any key except  and  to answer an incoming call.

Activating the Loudspeaker

During a call, press  (**Menu**) and select handheld/free to activate or deactivate the loudspeaker of your phone.



PIN and PUK

The personal identification number (PIN) protects your SIM card from unauthorized use. The PIN unlocking key (PUK) can unblock the blocked PIN. Both PIN and PUK are delivered with the SIM card. For details, consult your service provider.

If you enter wrong PINs for a specified number of times consecutively, the phone asks you to enter the PUK code.

If you enter wrong PUKs for a specified number of times consecutively, the SIM card is invalid permanently. Contact your service provider for a new card.


Locking the Keypad






In the standby mode, press and hold  to lock the keypad. When the keypad is locked, you can still answer an incoming call or make emergency calls by pressing .

You can press  and  to unlock the keypad.

When the Keyguard function is enabled, if there is no operation on the phone for a preset period in the standby mode, the keypad is locked automatically.





Changing the Text Input Modes

The indicator of the current text input mode is displayed on the screen. In the editing mode, press  to change the input mode.

- Note**
- In the editing mode, press  (Delete) once to delete the letter on the left of the cursor. Press and hold  (Delete) to delete all the letters at a time.
 - In the "en.," input mode, press  to enter a space. In the "ABC" or "abc" input mode, press  once to enter a space, twice to enter "0".
 - In the "ABC" or "abc" input mode, press  repeatedly to enter the commonly used punctuations.

Entering English ("en.,")

In the "en.," input mode, enter English letters as follows:

1. Press each key only once according to the spelling sequence of the desired word. Then the phone displays the commonly used words according to the numeric sequence of key presses.
2. Press  or  or  or  to scroll to the desired word.

Entering English ("ABC" and "abc")




In the "ABC" or "abc" input mode, you can press a key labeled the desired letters once to enter the first letter on the key, twice to enter the second letter on the key, and so on.

Entering Numbers

- In the "123" input mode, press a key labeled the desired number.

- In the "ABC" or "abc" input mode, press a number key repeatedly, until the desired number appears on the screen.






Entering Symbols

1. In any input mode, press  to display a symbol list.
2. Press  or  to scroll to the desired symbol.
3. Press the number key to enter the symbol.






Writing and Sending a Multimedia Message

1. In the standby mode, select **Menu** > **Messages** > **MMS** > **New MMS**.
2. Enter the content of a multimedia message (**MMS**) in the following fields:
 - **To:** Names of whom the message is sent to.
 - **Cc:** Names of whom the message is copied to.
 - **Bcc:** Names of whom the message is blind copied to.
 - **Subject:** The subject of the message.
 - **Content:** The content of the message.

Switching On the Radio

1. In the standby mode, select Menu > Entertainment > FM radio.
2. Press  (**Options**) to select Automatic Tuning.
3. Press  or  to tune the channel.
4. Press  or  to adjust the volume.

Taking a photo

1. In the standby mode, select **Menu >Camera** to access the camera preview mode.
2. Focus the lens on the scene and press the  key to take a photo. Press  or  to adjust the brightness of five levels which will be displayed on the upper left corner of the screen with an icon. When you choose the resolution of 128*96, you can press  to zoom in, and press  to zoom out.
3. Pictures taken will be saved in **My photos** automatically.

WAP

In the standby mode, select **Menu>WAP** to use the WAP function.

It allows your phone to access the specified services provided by network service providers, and allows you to enjoy the mobile life easily. For example, you can browse the Internet and download your favorite pictures, ringtones, video clips, or music.

For more information about this function, consult your service provider.

Warnings and Precautions

Electronic Device

- Power off your phone near high-precision electronic devices. The phone may affect the performance of these devices.

- Such devices include hearing aids, pacemakers, fire alarm systems, automatic gates, and other automatic control devices. If you are using an electronic medical device, consult the device manufacturer to confirm whether the radio wave affects the operation of this device.
- Pacemaker manufacturers recommend that a minimum separation of 15 cm be maintained between a mobile phone and a pacemaker to avoid potential interference with the pacemaker. To achieve this, use the phone on the opposite ear to your pacemaker and do not carry it in a front pocket.

Hospital

Pay attention to the following points at hospitals or health care facilities:

- Do not take your phone into the operating room (OR), intensive care unit (ICU), or coronary care unit (CCU).
- Do not use your phone at places for medical treatment where using a phone is prohibited.
- When using your phone near someone who is suffering from a heart disease, turn down the ringtone volume or vibration properly so that it does not affect the person.

Area with Inflammables and Explosives

In any area with inflammables and explosives, power off your phone and do not take out, install or charge the battery, to avoid explosion and fire. Areas with inflammables and explosives include, but are not limited to the following:

- Gas station
- Area for storing fuels (such as the bunk under the deck of a ship)
- Device/vehicle for transporting and storing fuels or chemical products
- Area with chemical substances and particles (such as granule, dust and metal powder) in the air
- Area with the sign of "Explosives"
- Area with the sign of "Power off bi-directional wireless equipment"
- Area where it is generally suggested to stop the engine of a vehicle

Traffic Safety

- Observe local laws and regulations on phone use. Do not use your phone while driving to avoid traffic accident.
- Secure the phone on its holder. Do not place the phone on the seat or other places where it can fall in a jerk or collision.
- Use the phone after the vehicle stops at a safe place.
- If your phone supports the hands-free function, or the phone can be used with earphones, or there is any vehicle-mounted equipment with hands-free function, use them in emergency.
- Do not place the phone over the air bag or in the air bag outspread area. Otherwise, the phone may hurt you owing to the strong force when the air bag inflates.

- Observe the rules and regulations of airline companies. When boarding or approaching an aircraft, power off the phone and take out the battery. In areas where using a phone is prohibited, power off the phone. Otherwise, the radio signal of the phone may interfere with the aircraft control signals. Power off your phone before boarding an aircraft.

Storage Environment

- Do not place magnetic storage media such as magnetic cards and floppy disks near the phone. Radiation from the phone may erase the information stored on them.
- Do not place your phone, battery, or other accessories in containers with strong magnetic field, such as an induction cooker and a microwave oven. Otherwise, circuit failure, fire, or explosion may occur.
- Do not leave your phone, battery, or charger in a very hot or cold place. Otherwise, malfunction of the products, fire, or explosion may occur.
- Keep the ambient temperature between 0°C and 45°C while the battery is being charged. Keep the ambient temperature between -20°C and 60°C for storing the battery. If the ambient temperature is too low (especially below 0°C) or too high, the capacity and life of the battery will be reduced.
- Do not place sharp metal objects such as pins near the earpiece. The earpiece may attract these objects that can hurt you when you are using the phone.
- Do not subject your phone, battery, and charger to serious collision or shock. Otherwise, battery leakage,

phone malfunction, overheat, fire, or explosion may occur.

- Do not put your phone in the back pocket of your trousers or skirt, to avoid phone damage while seated.

Children Safety

- Put your phone, battery, and charger at places beyond the reach of children. Do not allow children to use the phone, battery, or charger without guidance.
- Do not allow children to put the battery in mouth, for electrolyte in the battery is poisonous.
- Do not allow children to touch the small fittings. Otherwise, suffocation or gullet jam can be caused if children swallow the small fittings.

Operating Environment

- The phone, battery, and charger are not water-resistant. Keep them dry. Protect the phone, battery and charger from water or vapor. Do not touch the phone with a wet hand. Otherwise, short-circuit and malfunction of the product or electric shock may occur.
- Do not use the phone in dusty, damp and dirty places or places with magnetic field. Otherwise, malfunction of the circuit may occur.
- Do not power on or off the phone when it is near your ears to avoid negative impact on your health.
- When carrying or using the phone, keep the antenna at least one inch (2.5 cm) away from your body, to avoid negative impact on your health caused by radio frequency leakage.


- If you feel uncomfortable (such as falling sick or qualm) after playing games on your phone for a long time, consult a doctor immediately.
- On a thunder and stormy day, do not use your phone outdoors or when it is being charged.
- Do not touch the antenna when a call is going on. Touching the antenna may affect call quality and cause the phone to operate with more power. As a result, the talk time and standby time are shortened.
- The phone may interfere with nearby TV sets, radios and PCs.
- In accordance with international standards for radio frequency and radiation, use phone accessories approved by the manufacturer only.
- While using the mobile phone, observe the local laws and regulations, and respect others' privacy and legal rights.

Clearing and Maintenance

- Before you clean or maintain the phone, power off the phone and disconnect it from the charger. Otherwise, electric shock or short-circuit of the battery or charger may occur.
- Do not use any chemical detergent, powder, or other chemical agent (such as alcohol and benzene) to clean the phone and the charger. Otherwise, part damage or a fire can be caused. You can clean the phone and the charger with a piece of soft antistatic cloth that is a little wet.

- Do not scratch the shell of the phone. Otherwise, the shed coating may cause skin allergy. Once it happens, stop using the phone at once and go to see a doctor.
- Keep the plug dry when you clean it, to prevent fire.
- If the phone or any of its fittings does not work, turn to the locally authorized service center for help.
- Do not dismantle the mobile phone or accessories. Only an authorized service center is allowed to maintain the mobile phone.

Environment Protection

- Please observe the local regulations regarding the disposal of your packaging materials, exhausted battery and old phone, and please promote their recycling. Do not dispose of exhausted battery or old phone in municipal waste or fire. Otherwise, explosion may occur.
- This HUAWEI device complies with Directive 2002/95/EC on the restriction of the use of certain hazardous substances in electrical and electronic equipment.
- : This symbol indicates that the equipment carrying this mark must not be thrown into general waste but should be collected separately and properly recycled under local regulations.

Emergency Call

You can use your phone for emergency calls. However, connections in all conditions cannot be guaranteed. You should never rely solely on the phone for essential communications.

Battery

- Use the battery approved by the manufacturer only. Otherwise, explosion may occur.
- Do not dispose of the battery in fire. Otherwise, the battery may ignite or explode.
- Do not connect two poles of the battery with conductors such as cables, jewelries or any other metal material. Otherwise, the battery is short-circuited and it may burn your body.
- Do not disassemble the battery or solder the battery poles. Otherwise, fluid leakage, overheat, fire, or explosion may occur.
- If there is battery leakage, smoke, or strange smell, stop using the battery and keep it away from open flame to avoid fire or explosion. Then turn to an authorized maintenance engineer for help.
- If the battery fluid contacts your skin or cloth, wash with clean water immediately to avoid irritation to the skin.
- If the battery fluid gets into eyes, do not rub your eyes. Otherwise, your eyes can be hurt. Wash with clean water and go to see a doctor immediately.
- If there is battery deformation, color change or abnormal heating while you charge or store the battery, take it out immediately and stop using it. Otherwise, battery leakage, overheat, explosion, or fire may occur.
- When installing the battery, do not push the battery by force lest battery fluid leaks out or the battery cracks.

- Do not take out the battery when the phone is turned on.
- If you do not use the battery for a long time, store it in normal temperature after being charged.

Charger

- Use the charger approved by the phone manufacturer only. Any violation of this rule may result in fire or malfunction of the charger.
- Do not short-circuit the charger. Short-circuiting the charger may cause fire or malfunction of the charger.
- If the power cord is damaged (for example, the lead is exposed or broken), or the plug becomes loose, stop using the cable at once. Otherwise, electric shock, short-circuit of the charger, or fire may occur.
- Keep the charger dry. Once water or other liquid leaks into the charger, electrical leakage or other faults may occur.
- Do not use the charger in a dusty and damp environment. Keep the power cord away from any heating appliance.
- Ensure the charger is properly plugged into the power socket when charging the battery. Improper insertion may result in electric shock, fire, or explosion. To unplug the charger, pull the plug off rather than tear the power cord.
- Use the AC power supply defined in the specifications of the charger. An improper power voltage can cause fire or malfunction of the charger.
- Do not place any heavy object on the power cord of the charger. Do not damage, change, or pluck the

power cord. Otherwise electric shock or fire may occur.

- When you are charging the battery with the charger, do not touch the plug, power cord or the charger with a wet hand. Otherwise, electric shock can be caused.
- Once the liquid such as water leaks into the charger, remove the plug of the charger from the socket immediately. Otherwise, overheating, fire and other malfunction may occur.

Certification Information (SAR)

THIS DEVICE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO FREQUENCY ELECTROMAGNETIC FIELD.

Your mobile phone is a low-power radio transmitter and receiver. When it is turned on, it emits low levels of radio frequency energy (also known as radio waves or radio frequency fields).

Governments around the world have adopted comprehensive international safety guidelines, developed by scientific organizations, e.g. ICNIRP (International Commission on Non-Ionizing Radiation Protection) and IEEE (Institute of Electrical and Electronics Engineers Inc.), through periodic and thorough evaluation of scientific studies. These guidelines establish permitted levels of radio wave exposure for the general population. The levels include a safety margin designed to assure the safety of all persons, regardless of age and health, and to account for any variations in measurements.

Specific Absorption Rate (SAR) is the unit of measurement for the amount of radio frequency energy

absorbed by the body when using a mobile phone. The SAR value is determined at the highest certified power level in laboratory conditions, but the actual SAR level of the mobile phone while operating can be well below the value. This is because the mobile phone is designed to use the minimum power required to reach the network.

All models of Huawei's mobile phone are designed to meet radio frequency exposure guidelines. Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (that is, at the ear and worn on the body) as required by the FCC for each model. For body worn operation, this phone has been tested and meets FCC RF exposure guidelines when the handset is positioned a minimum of 20 mm from the body with an accessory that contains no metal part. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

The SAR limit adopted by the USA and Canada is 1.6 watts/kilogram (W/kg) averaged over one gram of tissue. The highest SAR value reported to the FCC and IC for this device type when tested for use at the ear is 0.985W/kg, and when properly worn on the body is 1.12 W/kg.

The SAR limit adopted by the CNIRP is 2.0 W/kg over one gram of tissue. The value guarantees a safe distance to protect mobile phone users and the difference caused by measurement errors. Under different test requirements and frequency, the value varies.

Statement

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. Operation is subject to the condition that this device does not cause harmful interface.

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.

Warning: Changes or modifications made to this equipment not expressly approved by HUAWEI may void the FCC authorization to operate this equipment.