



H520

CDMA/GSM Dual-Mode Handset

User Manual

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1 General Information

1.1 Welcome

Thank you for choosing ZTE H520 CDMA GSM Dual-Mode Handset.

To guarantee the mobile phone always in its best condition, please read this manual carefully and keep it for future use.

The pictures, symbols and contents in this manual are just for your reference. They might not be completely identical with your phone. Please subject to the real object. ZTE operates a policy of continuous development and reserves the right to update and modify the technical specifications in this document at any time without prior notice.

1.2 Security

n If your mobile phone is lost or stolen, please report to your service provider or agencies of banning the use of your lost phone, which will protect you from economic losses resulted from unauthorized use.

You need to provide the phone's ESN number labeled. You can see ESN number after removing the battery. Please keep ESN number for future use.

1.3 Safety Warnings

To the Owner

- n Some electronic devices are susceptible to electromagnetic interference sent by mobile phone if inadequately shielded, such as electronic system of vehicles. Please consult the manufacturer on the device before using the phone if necessary.
- n Operating of mobile phone may interfere with medical devices like hearing aides and pacemakers. Please always keep the mobile phone more than 20 centimeters away from such medical devices when the phone is powered on.
- n The phone with internal antenna has been tested for compliance with FCC RF Exposure (SAR) limits and is complied with FCC RF exposure compliance requirements.:

	Head	Body
Max.SAR Measured (1g)	1.56W/kg (At Left-Cheek 384 Channel)	0.718W/ kg (At Body 1013 Channel)

- n Do not carry the mobile phone in the breast pocket. Power the mobile phone off if necessary. Consult a physician or the manufacturer on the medical device before using the phone.
- n Be aware of the usage limitation when using a mobile phone at places such as oil warehouses or chemical factories, where there are explosive gases or explosive products being processed, because even if your phone is in standby mode, it still transmits


radio frequency (RF) energy. Therefore, power off your phone if required.

- n Pay attention to traffic safety. Do not use your mobile phone while driving. Park before making or answering a call.
- n Store the phone out of the reach of little children. The phone may cause injury if used as a toy.
- n The phone 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. The phone 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 the phone 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.

Mobile Phone

- n** Please use original accessories or accessories that are authorized by the manufacturer. Using any unauthorized accessories may affect your mobile phone's performance, and violate related national regulations about telecom terminals, or even endanger your body
- n** If you want to clean your phone, please use clean fabric that is a bit wet or anti-static. Do not use harsh chemical cleaning solvents or strong detergents to clean it. Turn off your phone before you clean it.
- n** As your mobile phone can produce electromagnetic field, do not place it near magnetic items such as computer disks.
- n** Using the phone near electrical appliances such as TV, telephone, radio and personal computer can cause interference, which affects the function of the phone.
- n** Do not expose your mobile phone to direct sunlight or store it in hot areas. High temperatures can shorten the life of electronic devices.
- n** Prevent liquid from leaking into your phone.
- n** Do not drop, knock or harshly treat your phone. Rough handling can break internal circuit boards.
- n** Do not connect the phone with other unauthorized peripheral equipments.

-
- n Do not attempt to disassemble the mobile phone and battery by yourself. Changes and modifications made to the phone without the approval of manufacturer could void your authority to operate this phone.
 - n Do not charge the mobile phone without battery.
 - n On occasion of emergent calling, keep your phone in status of power on and in area of service. On the condition of standby, press the key to enter emergency phone number, and then press **Send key**  to make a phone call.

Battery Using

The battery and the phone are separately deposited in the package and packed in well condition. Please make use of the battery carefully following the instructions.

- n Do not short-circuit the battery, as this can cause excessive heat and fire.
- n Do not store battery in hot areas or dispose of it in a fire to avoid explosion.
- n Never use any charger or battery damaged or worn out.
- n Return the wear-out battery to the provider or put it in the appointed recycle place. Do not put it in familial rubbish.

Warning: If the battery is broken, keep away from content. If it taints your skin, wash your skin with abundant fresh water and ask doctor for help if necessary.

Safety and General Using in Vehicles

- n Before making or answering a call, you should pay attention to the local laws about using wireless mobile phones and take them into account in practical use.
- n Safety airbag, brake, speed control system and oil eject system shouldn't be affected by wireless transmitting. If you do meet problems above, please contact your automobile provider.
- n Please power off your mobile phone when refueling your automobile, and so do the place where duplex wireless equipments are banned. Don't put your phone together with flammable or explosive items, as inner spark may cause fire.

In Aircraft

- n Follow the restrictions in aircraft. Wireless devices can cause interference in aircraft.
- n Please power off your mobile phone before taking off till landing. In order to protect airplane's communication system from interference, it is never allowed to use mobile phone when it is in flight. Using mobile phone before the plane taking off should get aircrew's permission according to safety regulations.

1.4 Limit Warranty

The warranty does not apply to defects or errors in the product caused by:

-
- (a) Reasonable abrasion.
 - (b) Misuse including mishandling, physical damage, improper installation, unauthorized disassembly of the product.
 - (c) Water or any other liquid damage.
 - (d) Any unauthorized repair or modification.
 - (e) Power surges, lightning damage, fire, flood or other events outside ZTE's reasonable control.
 - (f) Use of the product with any unauthorized third party products such as generic chargers.
 - (g) Any other cause beyond the range of normal usage for products.

End User shall have no right to reject, return, or receive a refund for any product from ZTE under the above-mentioned situations.

This warranty is end user's sole remedy and ZTE's sole liability for defective or nonconforming items, and is in lieu of all other warranties, expressed, implied or statutory, including but not limited to the implied warranties of merchantability and fitness for a particular purpose, unless otherwise required under the mandatory provisions of the law.

1.5 Limitation of Liability

ZTE shall not be liable for any loss of profits or indirect, special, incidental or consequential damages resulting from or arising out of or

in connection with using this product, whether or not ZTE had been advised, knew or should have known the possibility of such damages.

1.6 Declaration


We, ZTE Corporation, declared that the product is installed with battery separately in the box. The FCC ID label is placed on the mobile phone clearly visible to all persons at the time of purchase.






ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

2 Know Your Phone



2.1 Keypad




Key	Tip	Function Description
	Send key	<ul style="list-style-type: none"> ☐ Make or answer a call. ☐ Press Send key in standby mode to enter recent All Calls list. ☐ Press Send key two times directly to redial the last number.

	<p>End key</p>	<ul style="list-style-type: none"> ⌘ End an active call or reject a call. ⌘ Power on/power off. ⌘ Exit from any interface to standby mode.
	<p>Left select key</p>	<ul style="list-style-type: none"> ⌘ Enter main Menu in standby mode. ⌘ Switch to the options of left bottom submenu.
	<p>Right select key</p>	<ul style="list-style-type: none"> ⌘ Enter Names menu in standby mode. ⌘ Switch to the options of right bottom submenu. ⌘ Erase character(s) while editing. ⌘ Cancel operation, exit to previous pop-up window.
	<p>OK key</p>	<ul style="list-style-type: none"> ⌘ Confirm the commands and options selected. ⌘ Confirm the character chosen while character inputting. ⌘ Press OK key in standby mode to enter MobileShip menu.
	<p>Up/Down key</p>	<ul style="list-style-type: none"> ⌘ Scroll the cursor up and down. ⌘ Used as selection key up and down for keying in commands and selecting options shown on the











(Scroll key)





		<p>display.</p> <ul style="list-style-type: none"> ⌵ In standby mode, hold Up key to set Silence All; ⌵ Press Up key to enter Messages menu. ⌵ Press Down key to switch between GSM and CDMA network. ⌵ Used as direction key in games
	<p>Left/Right key (Scroll key)</p>	<ul style="list-style-type: none"> ⌵ Scroll the cursor left and right. ⌵ Used as selection key to scroll cursor left and right for keying in commands and selecting options shown on the display. ⌵ In standby mode, press Left key to enter Toolkit menu, press Right key to view Sound menu. ⌵ Adjust volume in conversation. ⌵ Used as direction key in games.
	<p>0~9 Number key</p>	<ul style="list-style-type: none"> ⌵ Key in numbers or characters. ⌵ Make a Speed Dial call.
	<p>*key, #key</p>	<p># key:</p> <ul style="list-style-type: none"> ⌵ Hold # key in standby mode to lock phone's keypad. ⌵ Press # key to select text mode.

* 		<p>* key:</p> <ul style="list-style-type: none"> ⌵ Hold * key in standby mode to enable/disable vibration. ⌵ Press * key once to enter Symbols mode when edit text.
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Note: To “press” the key in this manual means to press the key and release it. To “hold” the key means to keep pressing the key for two seconds or more.

2.2 Instruction of Interface Icon

Icon	Indication
	CDMA signal strength
	GSM signal strength
	CDMA roaming
	GSM roaming
	New voice mail
	New message (idle screen)
	New message (SMS message screen)
	Ring + Vibration
	Vibration
	Earphone in use

	Silence All
	Alarm
	Keypad locked
	Power indicator

2.3 Technical Parameters

Handset	
Type	ZTE H520
Dimensions	(Width×Height×Thickness) 46mm×105mm×16 mm
Weight	About 82g(Battery Included)
Battery	
Continuous standby time	About 150h (Subject to Network)
Continuous talk time	About 3h (Subject to Network)

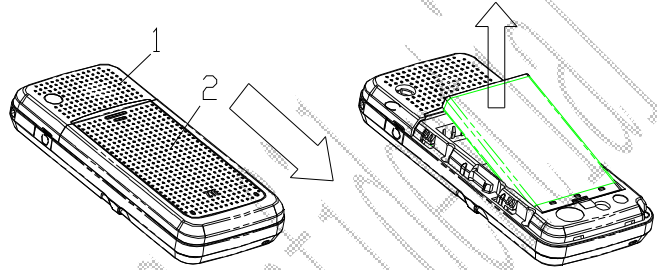
Note: Please refer to the real phone for other relative parameters of the battery and charger.

2.4 Battery

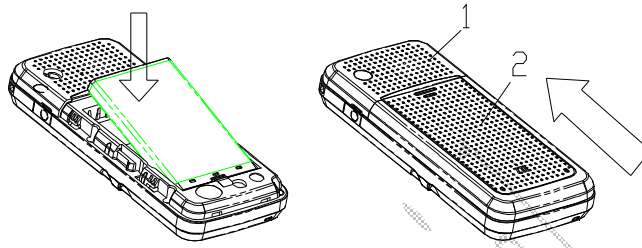
The attached Li-ion battery along with the phone can be used after unpacking. For the first three times, please use up the power and charge it fully for a new battery to perform well.

2.4.1 Remove and Installation of Battery

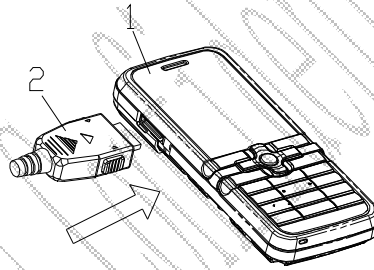
- Remove: (1) Press and push the back-cover of the phone down to release and remove it off the phone. (2) Put finger on the top finger grips, and then lift up the battery from the finger grips to remove the battery.



- Installation: (1) Replace the battery into the battery slot, to be noted that the lower end of the battery firstly inserted. (2) Put the back-cover of the phone flatly upon the body of phone. Direct the back cover towards the locking catches on the both sides of the phone and push the back-cover of the phone upward to lock the cover into its place.



2.4.2 Charging the Battery



- u Plug out rubber away from the jack on the bottom of the handset and connect the lead from the charger to the socket on the bottom of the phone. (Note: The side with arrow should be upright while connecting).
- u Connect the charger to a standard wall AC socket.
- u Meanwhile, the charging indicator in up-right corner of the display flops cyclically, indicating the charging is going. In power-off mode while charging, the display only shows the

charge indicator. If the battery is completely flat in storage or used up, it may take for a while before the charging indicator appears on the display or any calls can be made.

- u When the charging indicator on the screen stops flopping, the charging is completed. The charging takes usually up to 2~3 hours (6~8.hours suggested for the first three times) In the process of charging, it is a normal phenomenon that the battery, phone and charger get into hot accordingly.
- u After the completion of charging, disconnect the charger from the phone and AC socket.

Note:

- n When it is in charge, place the phone on condition of good ventilation and temperature between $-5^{\circ}\text{C} \sim +45^{\circ}\text{C}$. Ensure to use the charger offered by the manufacturer. Using unauthorized charger may cause danger and violate the authorization of the phone and the guarantee article.
- n When the phone is automatically switched off or indicates the alarm information of power shortage, please charge the battery in time.
- n The duration time of the standby status or conversation of the phone is based on ideal working environment. In practice, the working time of battery varies with network condition, working environment and application methods.

2.5 Connecting to the Network

Press and hold **End key** to power on/off the phone. The phone automatically searches the network available and in state of standby mode.

Besides sending and receiving calls, you can also do:

- u Press **Left select key** to enter main **Menu**.
- u Press **Right select key** to enter **Names** menu.
- u Hold **# key** to lock phone's keypad.
- u Hold *** key** to enable/disable vibration mode.
- u Press **OK key** in standby mode to enter MobileShip menu.
- u Hold **Up key** to set the phone in **Silence All**.
- u Press **Up key** to enter **Messages** menu.
- u Press **Down key** to switch between GSM and CDMA network.
- u Press **Left key** to enter **Toolkit** menu.
- u Press **Right key** to enter **Sound** menu.
- u Press **Send key** to enter recent All Calls list.

Note: In state of key lock, to make use of phone, unlocking code should be input prompted by phone on the display.

3 Basic Operations

3.1 Making a Call

Please ensure that you are in the place where the signal can be received. Examine network signal strength icon on the screen.

The more the indication bars, the stronger the intensity of receiving signal is. If there is no bar, please move to the place where the intensity of receiving signal is better. Sometimes, you only need to change the direction.

☒ **Making a National Call**

Press **Number key** to key in phone number, and add area code when making a long distance call (no need to add area code when dialing local number in some area). Press **Send key** to call out. Press **End key** to end the call and conversation.

☒ **Making an International Call**

Enter the country code, area code (without the leading 0) and the complete telephone number you want to dial, press **Send key** to call out.

Before the country code, hold **"0" key** to enter the international prefix "+" (the character "+" replaces the international access code) or key in international prefix e.g. "00" of international call directly.

Country code + Area code + Telephone number

0086 755 26770000

⌵ **Making Recent Calls**

All calls you recently dialed, received or missed are saved in your phone. All numbers are grouped as Missed Calls, Received Calls and Dialed Calls. When the list is full, the oldest number will be erased automatically when new record is coming.

You can check the list as follows:

- ² In standby mode, press **Send key** to view All Recent Calls.
- ² The number listed in can be directly dialed by pressing **Send key**.



⌵ **Making Pause Calls**

You can make use of pause call to dial an extension or voice service call.

E.g. Key in phone number, press **OK key** to select "P" on the display (character "P" added accordingly), and then key in number afterwards. Press **Send key** to dial the first number, when connected, press **Send key** again to dial the second number automatically. "P" can be used for not once only.

3.2 Answering a Call

When a call is incoming in standby mode, the phone will offer corresponding ringer or vibration to prompt according to your settings. With the number already saved in Names, the phone also shows the name of caller meanwhile.

- Press **Send key**  to answer an incoming call.
- Press **End key**  to end a call and the call duration is temporarily displayed.

See “7.3 Call Setting” or refer to other ways of answering calls for your option as follows.

3.2.1 Handset Autoanswer

You can set handset to answer an incoming call automatically.

- Select **Menu** → **Settings** → **Call Setting** → **Auto Answer**.
- Select **On/Off**, and press **OK key**. The phone can be connected in 5 seconds.

3.2.2 Setting Any Key Answer

- Select **Menu** → **Settings** → **Call Setting** → **One-Touch**.
- Select **On/Off**, and press **OK key**.

An incoming call can be answered by pressing any key except **End key**, **Left /Right select key**.

3.2.4 Incoming Call Silence

- When a call is coming, press **Right select key** to select **Mute/Unmute** the ringer tone.
- This function silences the current incoming call only. The phone will ring normally as next call coming.

3.3 In Conversation

3.3.1 Silence in Conversation

During conversation, you can select **Option (Names or Messages)** or **Mute** displayed. Select **Mute** to let the other party temporarily not hear your voice; Select **Unmute** back to normal. You can also enter **Names** or **Messages** during a conversation.

3.3.2 Adjusting Volume in Conversation

Press **Left/Right key** to adjust volume of Earpiece during a call.

3.3.3 Selecting Options in Conversation

During a call, press **Left/Right select key** and **OK key** to select options of **Mute/Unmute**, **Option (Names, Messages)**, etc.

- ² Select **Mute/Unmute** to let the other party temporarily can or can not hear your voice;
- ² Select **Option** for selection in Menu, such as **Names Messages**, with no worry about the ending of conversation.

3.4 Menu Functions

u Main Menu Function:

- i. In standby mode, press **Left select key** to enter main Menu. Scroll **Up/Down** or **Left/Right key** through the menu and select functions according to the prompt on the screen.
- ii. If the menu contains submenus and further submenus, select options and submenu you want according to the prompt on the screen.
- iii. Press **OK key** or **Right select key** to set or return to the previous menu. Press **End key** to exit to standby mode.

u Bottom Menu Function:

If options are displayed on the bottom of the screen, press **Left/Right select key** and then **OK key** to select. Press **OK key** or **Right select key** to set or exit.

The functions of phone are mainly grouped in main **Menu: Names, Messages, Call History, Settings, Toolkit and Games.**

Please refer to the text hereinafter in this manual in detail.

Note: The picture used in this manual are with small icons.

4 Names



You can save contacts in phone. Each contact in phone's memory has three phone numbers.

4.1 Finding Records

You can search for a name or number in **Names** in pop-up window.

1. Select **Menu** → **Names**.

2. Select one contact record and choose **Search** in **Option**. You can key in the first characters of the name you are searching for to view contact directly in All List.

3. Press **Up/Down key** to scroll through the corresponding name(s) and records in the list. Scroll to the name you want, and press **OK key** to view the details or select **Option**.

All the contacts will be listed by the letter of the name. If no contact in the list, "No Record" will be displayed.

4.2 Adding New Record

n **Save to Phone:**

-
1. Select **Menu**→**Names**.
 2. Select one contact record and choose **Add New Entry** in **Option** and then select saving contact in **Phone**. Add Name/Group/Home Number/Mobile Number/Work Number of the contact. See “10. Text Input” more instructions for writing text and character.
 4. After the completion of writing, press **Left select key** or **OK key** to save the contact.
 5. Scroll to the just-added phone contact to reedit, press **Left select key** or **OK key** to do further operation:
 - 2 **Edit:** Edit the contact.
 - 2 **Delete:** Delete the contact.
 - 2 **Make a call:** Make a call to this contact.
 - 2 **Send Message:** Send message to this number.
 - 2 **Set Speed Dial:** Assign a speed dial number to the phone number.
 - 2 **Make IP call:** Make an IP call if IP number set already (Set IP access number in Settings).

Note: In standby mode, key in phone number, press **Left select key** to save.

If you save the same number again, the phone prompts to remind you this number is already exist.

4.3 Viewing Records

1. Select **Menu**→**Names**.
2. Select one contact and **View details** of the information.

Note: When there is no storage record in Contacts, it will indicate "No item".

4.4 Erasing Records

4.4.1 Erasing a Record

1. Select **Menu** →**Names**.
2. Scroll to the record you want to erase and press **Left select key**.
3. Select **Delete** in **Option**.
4. Press **Left select key**. "Confirm to delete?" indicated on the display.
6. Press **Left select key** to select **Ok**.

4.4.2 Erasing All Contacts

You can also **Delete All** the records in Contacts.

4.5 Editing Name of the Contacts

1. Select **Menu**→**Names**.
2. Scroll to the record you want to edit and press **OK key**.
4. Select **Option** to **Edit** name, and press **Left select key** or **OK key**.
5. Press **Right select key** to erase character of the current name,

and rewrite the name.

6. Select **Save**, "Succeed to save" appears on the display.

4.6 Editing Phone Number

1. Select **Menu**→**Names**.
2. Scroll to the record you want to edit and press **OK key**.
4. Select **Option to Edit number**, and press **Left select key** or **OK key**.
5. Press **Right select key** and press **number key** to erase and key in digit of phone number.
6. Select **Save**. "Succeed to save" appears on the display.

4.7 Selecting Group

You can group the stored records into Names:

1. Select **Menu**→**Names**.
2. Select one record listed in phone's memory, and press **Left select key** or **OK key**.
3. Select Edit group of Family, Friend, Colleague and press **Left select key** or **OK key** to save. Also you can select ring from the list set already in phone or download ring by yourself.

4.8 Setting Number Type

1. Select **Menu**→**Names**.
2. Select one contact record and choose **Edit** in **Option** and the number type of the contact as Home Number/Mobile Number/Work

Number

3. Press **Left select key** or **OK key** to save.

4.9 Setting Speed Dial

In standby state, you can make a **Speed Dial** of stored number by keying in one digit (1-9).

1. Select **Menu**→**Names**.
2. Select one contact record and choose **View details** in **Option** and **Set speed dial**.
3. Press **Left select key** or **OK key** and select an **Empty** slot in list.
4. Press **Left select key** or **OK key**. "Succeed to save" appears on the display.

4.10 Viewing and Making Speed Dial

Viewing:

Select **Menu**→**Names**.

Select one contact record and choose **Other options** and **View speed dial list**.

Dialing:

When you select one phone number in the **speed dial list**, you can press **Send Key** to dial. You can also make a call by entering speed dial number in the standby mode.

Method 1: Enter speed dial number, press **Send Key** to dial.

Method 2: Directly hold the Speed Dial Number digit key. If the

Speed Dial Number is one-digit, directly hold the digit key. If the Speed Dial Number is two-digit, press first digit key and then hold the second one. For example: If the Speed Dial Number is 25, you should press 2 key firstly, and then hold 5 key, thus it can dial directly.

Note: Some handset may not support method 1. Some handset support only one-digit speed dial number, some support both one-digit and two-digit speed dial number.

4.11 Memory Status

1. Select **Menu**→**Names**.
2. Select one contact record and choose **Other options** and **Capacity**.
3. View the number of saved entries and maximum number of entries saved in phone.
For example: Phone: 8/500, indicating that 500 records entries in Max., out of which eight have be saved in phone.

5 Messages

This is introduction of how to send, receive and erase the messages in your phone.



Note: The function introduced hereinafter may differ with different service offered in your area. Please consult with your service provider for more detailed information.

5.1 Sending a New Message

Please consult with the service provider to support the network service of sending message. You can only send message to the mobile phone which can receive message.

1. Select **Menu** → **Messages** → **New SMS**.
2. Write message text. See “10. Text Input” more instructions for writing text and character.
3. Input the recipients' Phone Number or press **Left select key** to select in Names. Press **OK key** to
 - **Send Message:** Send message.
 - **Save:** Save the message in **Outbox**.

Note: The SMS centers of some cities and regions do not support messages longer than 160 characters. The phone can support 480 English characters max. for SMS length.

5.2 Sending Messages

You can send messages to grouped mobile phone which can receive message meanwhile.

1. Select **Menu**→**Messages**→**New SMS**.
2. Write message text.
3. Select any receiver in Contacts or key in the numbers to add to SMS groups separated with semicolon by pressing **# key**. All the phone numbers displayed listed in pop-up window can be reedited. The maximum of receivers not exceed 10 persons.
3. Press **Left select key** or **OK key** to send the message.

5.3 Receiving Incoming Call while Editing Message

- If you do not want to receive the incoming call, press **End key**.
- If you want to receive the incoming call, press **Send key**. After finishing receiving call, you can continue to edit the message and send.

5.4 Reading Message

On receipt of a new message, the phone prompts you by vibration or ringer (up to the setting of silence or ringer in **Settings**). The display indicates "Message" and press **OK key** to view. New message is

automatically saved in phone. A character on display indicates the memory for message is reaching full. Erase old messages to keep space for new messages.

1. Select **Menu**→ **Messages**→ **Inbox**.
2. Scroll to the message you want to read.
3. Press **OK key** to read message. You can press **Up/Down key** to scroll the pages. Or press **Left select key** directly to **Delete** or **Delete all** the message(s) in Inbox.
4. After reading, press **Left select key** to do the options:
 - **Forward**: Forward the message to other recipients.
 - **Delete**: Delete the message.
 - **Voice call**: Call back to the message sender.
 - **Extract**: Extract the number in the message and save in **Names**.
 - **Reply**: Reply message to sender.

5.5 Viewing OutBox

1. Select **Menu**→ **Messages**→ **Outbox**.
2. Scroll Message List.
3. Press **OK key** to read message. Or press **Left select key** directly to **Delete** or **Delete all** the message(s) in Outbox.
4. Press **Right select key** to return to the list. Select other options to **Forward**, **Delete**, **Send** the message.

5.6 Erasing Messages

Delete and erase old messages to release space for phone's SMS

memory. You can select erasing messages when sending or reading messages, erase messages one by one or all in Inbox, **Outbox**.

5.6.1 Erasing a Message

1. Select **Menu**→ **Messages**.
2. Select messages location: **Inbox**, **Outbox**.
3. Press **Up/down key** to select to-be-erased messages.
4. Press **Left select key** directly to **Delete** the message in Inbox or Outbox. Select **Delete** to erase messages. "Delete?" appears.
5. Select **Ok** to erase this message.

5.6.2 Erasing All Messages

1. Select **Menu**→ **Messages**.
2. Select to-be-erased messages in **Inbox**, **Outbox**.
3. Press **Left select key** directly to **Delete all** the message(s) in Inbox or Outbox.

5.7 Reading and Setting Voice Mail

Before using Voice Mailbox, please consult with network provider to confirm that the function of voice mail box has been activated. After your successful setting, network will automatically transfer divert incoming call(s) to your voice mail box, and send message(s) to your phone.

Select **Check Voicemail** to read the message and then dial voice mail box number to listen to the leaving message following guide

prompt.

Select **Setting No.** to set the voice mail number. To read your voice mail, dial the voice mail box number in standby mode.

Note: The function needs network support.

5.8 Message Settings

You can set your message box before you use it, such as, **Auto Save, Auto Delete, Set Idiom, Alert Setting, Delivery Ack, Msg Priority, and Memory Status.**

5.9.1 Saving Sent Message

1. Select **Menu**→ **Messages**→**Msg Settings**→ **Auto Save.**
2. Select **On** or **Off** for your phone can or can not automatically save sent message.

5.9.2 Automatically Erasing Inbox

Set erasing the last read message in Inbox automatically when Inbox is full.

1. Select **Menu**→ **Message**→**Msg Settings**→ **Auto Delete.**
2. Select **On** or **Off**, and press **OK** key

5.9.3 Preformatted Messages

The phone has a group of some common built-in phrases and sentences, such as, "I'm busy now, call you later", "Please call me immediately." etc.

-
1. Select **Menu**→ **Messages**→**Msg Settings** → **Set Idom**.
 2. Select the message listed in and. Press **Left select key** or **OK key** to view.
 4. Press **Left select key** or **Ok key** to edit, send message, see “5.1 Sending a new message” in detail.

5.9.4 Messages Alert

1. Select **Menu**→ **Messages**→ **Msg Settings**→ **Alert Setting**.
2. Select the mode of alert as **Once** or **Cyclic** when receive a message.

5.9.5 Delivery Acknowledging

1. Select **Menu**→ **Messages**→**Msg Settings**→ **Delivery Ack**.
2. Select **On** or **Off** for your phone can or can not automatically receive message from network informing you whether you have sent message successfully.

5.9.6 Msg Priority

1. Select **Menu**→ **Messages**→ **Msg Settings**→**Msg Priority**.
2. Select **Normal**, **Interactive**, **Urgent**, **Emergency** for sending message.

5.9.7 Memory Status of Messages

1. Select **Menu**→ **Messages**→**Msg Settings**→**Memory Status**.
2. Press **Left select key** or **Ok key** to view the number of saved

messages and maximum number of messages saved in phone.

For example: Phone: 8/50, indicating that 50 records entries in Max., out of which 8 have be saved in phone.

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

6 Call History



6.1 Viewing Recent Calls

Information of **All Calls**, **Received Calls**, **Dialed Calls**, **Missed Calls**, **Clear all**, **Call timers** including name, phone number, and call time and conversation duration is saved in the **Call History**.

1. Select **Menu**→**Call History**.
2. Select **All Calls**, **Missed Calls**, **Received Calls**, **Dialed Calls**.
3. Press **Left select key** or **OK key**. Select one entry of the records and press **Left select key** or **OK key**.
4. Select option:
 - **Call Information**: Indicate number and conversation duration.
 - **Save**: Save the number in mobile phone's Names.
 - **Delete**: Erase the number from the list of Call History.
 - **Clear all**: Erase all the number from the list of Call History.
 - **Call the number**: Call the number.

- **SMS:** Send message to this number.

- **IP:** Send a IP call if already set.

- **Black List:** Add this number to the Black List.

6.2 Erasing Recent Calls List

You can erase all the Recent Calls in the menu of **Call History**.

1. Select **Menu**→**Call History**.
2. Select **All Calls, Missed Calls, Received Calls, Dialed Calls**.
3. Press **Left select key**, or **OK key**. Select one entry of the records and press **Left select key** or **OK key**.
4. Select **Clear all** to delete all the numbers from the list.

6.3 Call Timers

Your phone can record call time of dialing and answering call.

1. Select **Menu**→**Settings**→**Call Timers**.
2. Select an option on display and press **OK key**.

CDMA:

– **Cdma Incoming Calls:** Indicate call time of all answered call in CDMA network. The timer can be reset.

– **Cdma Outgoing Calls:** Indicate call time of all dialed call in CDMA network. The timer can be reset.

– **Cdma All Calls:** Indicate call time of all dialed and answered call in CDMA network. The timer can be reset.

GSM:

– **Gsm Incoming Calls:** Indicate call time of all answered call in

GSM network. The timer can be reset.

– **Gsm Outgoing Calls:** Indicate call time of all dialed call in GSM network. The timer can be reset.

– **Gsm All Calls:** Indicate call time of all dialed and answered call in GSM network. The timer can be reset.

3. Select **Reset** to clear data, the timer is set to zero.

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

7 Settings

In main Menu pop-up window, select **Settings** to enter into.



Your phone has different functions in **Settings** to meet your requirement. They are: **Sound**, **Display**, **Call Setting**, **Security**, **Extras**, and **Network**.

7.1 Sound

7.1.1 Volume

You can adjust the volume of Ringer, earpiece and key beep.

1. Select **Menu** → **Settings** → **Sound** → **Volume**.
2. Select the volume of **Ringer** (When earpiece is inserted, it is earpiece Ringer), **Earpiece** or **Key Beep**.
3. Press **Left/ Right key** to adjust volume. Press **OK key**.

7.1.2 Ring of Incoming Call

ZTE **H520** offers various Ringers of incoming call for your selection.

-
1. Select **Menu**→**Settings**→**Sound**→**Ring**→**Ring Type**.
 2. Press **Up/Down key** to scroll to your selection in **Preset Ring**, **Download Ring** or **Record Ring** press **OK key**.

7.1.3 SMS Ring

You have a choice of various ringing tones for message in phone.

1. Select **Menu**→**Settings**→**Sound**→**Ring**→**SMS Ring**.
2. Press **Up/Down key** to scroll to select and press **OK key**.

7.1.4 Ring of Power On/Off

You can make a choice of various ringing tones when power on/off the phone.

1. Select **Menu**→**Settings**→**Sound**→**Ring**.
2. Select **Power On Ring** or **Power Off Ring** and set the phone in Silence or ring when you power on/off the phone.

7.1.5 Alert Type

You can select alert type for an incoming call, earpiece and message.

1. Select **Menu**→**Settings**→**Sound**→**Alert type**.
2. Select an option in list:
 - **Ring +Vibra:** Set mobile phone in vibration and continuous Ringer case to prompt incoming call.
 - **Ring:** Set Mobile phone in Ringer case to prompt.
 - **Vibra:** Set mobile phone in vibration case to prompt.

– **Silence All:** Set mobile phone in silent case to prompt.

7.1.6 Key Beep

Set phone beep sound or not when you press keys.

1. Select **Menu**→**Settings**→**Sound**→**Key Beep**.

2. Select an option:

– **Off:** Not utter sound when press keys.

– **Standard:** Utter a fixed- length DTMF tone in short when press keys.

– **Long:** Utter DTMF tone even longer when press keys.

7.2 Display

7.1.1 Selecting Wall Paper

You can select different wallpaper as background of standby.

1. Select **Menu**→**Settings**→**Display**→**Wall Paper Set**.

2. Press **Up/Down key** to scroll to your selection in **Preset Wallpaper, Download Wallpaper** press **OK key**.

7.2.2 Set Backlighting

During a call or pressing keys, the display lights on. You can set lighting duration and type.

1. Select **Menu**→**Settings**→**Display**→**Backlight**.

2. Select an option in pop-up window:

– **10 Sec:** Keep backlighting for 10 seconds after last pressing.

— **30 Sec:** Keep backlighting for 30 seconds after last pressing.

3. Press **Left select key** or **OK key** to confirm.

Note: In conversation, backlighting consumes the power quickly and shortens continues conversation and standby time.

7.2.3 Adjusting Brightness

1. Select **Menu**→ **Settings** → **Display**→ **Brightness**.

2. Press **Left/Right key** to adjust brightness, and press **Left select key** or **OK key** to confirm.

7.2.4 Adjusting Contrast

1. Select **Menu**→**Settings**→ **Display** → **Contrast**

2. Press **Left/Right key** to adjust contrast, and press **Left select key** or **OK key**.

7.2.5 Selecting Language

1. Select **Menu**→**Settings**→**Display**→**Language**.

2. Select **Chinese** or **English** which is available, and press **Left select key** or **OK key**.

7.2.6 Setting Time

1. Select **Menu**→**Settings**→**Display**→**Time**→**Time Setting**.

2. Press **Left/Right/Up/Down key** and number key to set time, and press **Left select key** or **OK key**.

7.2.7 Setting Time Format

1. Select **Menu**→**Settings**→**Display**→**Time**→**Time Format**.
2. Select **AM/PM** or **24 HR**, and press **Left select key** or **OK key**.

7.3 Call Settings

When network supports **Call Setting**, you can use network services of call waiting and call forwarding.

Note: All these functions are network services. Please consult with network service provider to get corresponding service application.

7.3.1 Setting Headset Autoanswer

When mobile phone connects with earpiece (buy separately), you can set earpiece to answer automatically incoming call.

1. Select **Menu**→**Settings**→**Call Setting**→ **Auto Answer**.
2. Select **Off/On** to activate or deactivate automatic answering.
3. Press **Left select key** or **OK key**.

7.3.2 Setting Any Key Answer

- Select **Menu**→**Settings**→ **Call Setting**→ **One-Touch**.
- Select **On/Off**, and press **OK key**.

An incoming call can be answered by pressing any key except **End key**, **Left /Right select key**.

7.3.3 Voice Privacy

Set as **Enhanced** to enable voice encryption (need network support). Set as **Standard** to disable this function.

7.3.4 Alert

You can select **On** or **Off** to set the alert.

1. Select **Menu**→**Settings**→**Call Setting**→**Alert**.

2. Select an option on display and press **Left select key** or **OK key**.

– **Service**: When there are service available.

– **Remind Minute**: During a call, ten seconds ahead of every minute, alert.

– **Missed Call**: When there are missed calls, alert.

– **Roaming**: When roam in active and handoff between service areas or states occurs, alert.

For the function mentioned above, select **On** to operate; select **Off** to cancel alert.

7.3.5 Call Waiting

During a call, use Call Waiting to answer the waiting call prompted by the network; Or dial another call meanwhile putting the first call on hold. These calls can be shifted while you have calls in conversation.

Call Waiting lets you enjoy three-party conversation without missing call.

1. Select **Menu**→ **Settings**→ **Call Setting**→**Supp.Services**→
Call Waiting.

2. Select Option:

- **Enabled**: To activate the Call Waiting function. The network will notify you of an incoming call while you have a call in progress. You can press **Send key** to get through the waiting call and switch one call to another.

- **Disabled**: To cancel the Call Waiting function.

7.3.6 Call Forwarding

Use Call Forwarding to forward the incoming call to a designated phone number. After setting of call forwarding, phone will automatically dial network to set the function in active.

1. Select **Menu**→ **Settings**→ **Call Settings**→**Supp.Services**→
Call Forwarding.

2. Set type of Call Forwarding, press **OK key**.

— **ALL**(Divert unconditionally): All is diverted in all conditions.

— **Busy**(Divert when busy): When the phone is busy, divert.

— **No Answer**(Divert when no answer): When there is no answer, divert.

— **Busy/No Answer**: When the phone is busy or there is no answer, divert. The service provider offers.

3. Select **Enabled** to:

² **Enter Number** to which the phone will forward and press

Left select key or **OK key**. E.g. To forward incoming call to 12345678, input: 12345678, press **Left select key** or **OK key** and confirm.

4. Select **Disabled** to disable Call Forwarding function.
5. Press **End key** to exit to previous pop-up window.

7.3.7 Fire Proof

You can set Incoming calls bar in **Fire Proof** submenu including **Friend List, Black List, Current Settings**.

u Friend List

All the contacts will be listed by the letter of the name.

1. Key in phone number to **Add** new contact directly, or select from **Names**.
2. Select options or scroll to one contact listed and select options:
 - 2 **Add:** Add new contact in Friend List.
 - 2 **Edit:** Edit this contact in Friend List.
 - 2 **Delete:** Delete this contact in Friend List.
 - 2 **Clear all:** Delete all the contacts in Friend List. If there is no contact in the list, "List Empty" will be displayed.

u Black List

All the contacts will be listed by the letter of the name.

1. Key in phone number to **Add** new contact directly, or select from **Names**.
2. Select options or scroll to one contact listed and select options:

-
- 2 **Add:** Add another new contact in Black List.
 - 2 **Edit:** Edit this contact in Black List.
 - 2 **Delete:** Delete this contact in Black List.
 - 2 **Clear all:** Delete all the contacts in Black List. If there is no contact in the list, "List Empty" will be displayed

u **Current Settings**

You can set barring applications as follows:

- 2 **Bar Black List:** Only bar numbers listed in Black List.
- 2 **Bar All Except Friend List:** Only numbers listed in Friend List are not blocked.
- 2 **Cancel All:** Cancel barring setting.
- 2 **Bar All:** Bar all incoming calls.

7.3.8 IP Setting

Set IP access number in CDMA/GSM network for making a call with IP number prefix automatically.

7.4 Security Settings

Introduction to phone's security options preventing others to avoid illegal use or acquire your phone's personal information. Please input right phone Password code to enter.

Note: The default phone password is 0000, please change it to your own password as soon as possible.

7.4.1 Setting Phone Lock

1. Select **Menu**→ **Settings**→ **Security**.
2. Input your phone password, press **OK key**.
3. Move to **Handset Lock**, set On,Off or Change Lock, press **Left select key** or **OK key**.

7.4.2 Restoring

Your phone offers factory default phone setting. You may modify some options when you use phone. You can also Restore Factory Default to renew some modified options to the origin.

1. Select **Menu**→ **Settings**→ **Security**.
2. Input your phone password, press **Left select key** or **OK key**.
3. Select **Restore Settings**.
4. Select **Ok** to revert to confirm resetting or restoring factory default or select **Cancel** to exit.

Note: Restoring the phone do not influence your phone **password**, **Call History**, **Names**, **Inbox** and **Outbox**.

Some setting, e.g. alarm, cannot be restored.

7.5 Extras

7.5.1 Auto Key Guard

1. Select **Menu**→ **Settings**→ **Extras** →**Key Guard** to set phones' key lock and time.
2. Select an option in pop-up window:

-
- **Off**: Deactivate the function of phones' key lock.
 - **30 S auto-guard**: Phones' key locked automatically 30 seconds after the last key pressing.
 - **2 M auto-guard**: Phones' key locked automatically 2 minutes after the last key pressing.
3. Press **Left select key** or **OK key** to confirm.

Note:

- Hold **# key** to lock the keypad directly in standby mode.
- In state of key lock, to make use of phone, unlocking code prompted by phone on the display should be input.

7.5.2 Gsm Modual Status

1. Select **Menu** → **Settings** → **Extras** → **Gsm Modual Status**.
2. View the current Gsm modual status as **Gsm Modual Not Ready** or **Gsm Modual Ready**.

7.6 Network Setting

Make a choice of the network mode for CDMA or GSM as **Automatic** or **Home only**.

8 Toolkit

Extra offers some tools, such as, **Radio, Calendar, Alarm Clock, Calculator, Voice Memo, Stopwatch World Time, and Sales Service.**

8.1 Radio

ZTE H520 supports Radio function.

1. Select **Menu**→**Toolkit**→**Radio**.

2. Insert earphone and then the phone notify on the display “Radio On!”, so the radio is activated.

3. Select any of the Option as follows:

② **Save Channel:** Input Channel Name and select one channel from Channel List.

② **Auto Tuning:** Press **Up/Down key** to search automatically the channel available.

② **Manual Tuning:** Press **Up/Down key** to search manually the channel available.

② **Set Frequency:** Set certain frequency as default for a specific channel. Press **Up/Down key** to shift between integer and fraction, and press **Left/Right key** to move the cursor and input digit number of frequency.

Note: Be sure of erasing original digit number of frequency before

your new inputting.

2 **Rename:** Reedit the channel name.

2 **Set Volume:** Press **Up/Down key** to adjust the volume of earphone.

8.2 Calendar

1. Select **Menu**→**Toolkit**→**Calendar**.
2. Press **Left/Right key** or **Up/Down key** to select exact date you want to view in pop-up calendar window.
3. Press **Left select key** or **OK key** to view in details.

8.3 Alarm

Set alarm alert at a certain time. Alarm alerts only when the phone is in power on.

1. Select **Menu**→**Toolkit**→**Alarm clock**.
2. Select **Normal** or **Auto off** in **Set alarm** to set the style of alarming as normal way or powering off the phone automatically. Select **Alarms List** to view the settings. Select **Set rest day** to set the date of alarm.
3. When alarm rings, select **OK** to stop alarming.

8.4 Calculator

Use calculator to execute basic math calculation.

1. Select **Menu**→**Toolkit**→**Calculator**.
2. Key in digits. And press **Left/Right key** to scroll to the symbol

you want, press **OK key**.

÷	Division Sign
-	Subtraction Sign
=	Equal Sign
+	Plus Sign
x	Multiply Sign
.	Decimal Point
±	Change digit to positive number or negative

Press **Right select key** to erase digit one by one and exit to previous window, press **End key** to exit to standby mode.

Note: This calculator has a limited accuracy and is designed for simple calculations.

8.5 Voice Memo

ZTE H520 supports Voice Memo function either in or not in conversation with a capacity of saving 5 pcs records in max. When there is no space in Voice Memo or Voice Memo is full, the phone prompts.

8.5.1 Recording in Normal

1. Select **Menu**→**Toolkit**→**Voice Memo**.
2. Scroll **Up/Down key** to select:
 - 2 **Record** – When you are not in conversation, select **Start**

-
- to begin a new **Recording**, or **Stop/ Pause** recording.
 - 2 **Record List – Play** or **Delete** the record listed and named by date and time.
 - 2 **Memory Space** – Check memory used already out of record capacity.

Note: The record saved in normal (not in conversation) will be listed in **Settings**→ **Sound**→ **Ringer Type** as a kind of ringer tone. You can select it or not as you like as ring of the phone. The record can not be deleted as if it is activated as the ringer, unless you cancel the record as the ring of the phone.

8.5.2 Recording in Conversation

When you are in conversation, select **Record** to pop-up window of **Voice Memo** and select **Start** to begin a new Recording, or **Stop, Pause/Resume** recording, without ending the call.

The phone exits back to the calling interface when the recording is finished. The record will be saved automatically when the call is ended without finishing recording, and exit back to interface of ending call.

8.5.3 Recording with Incoming Call/Message

2 With Incoming Call

While recording in state of non-conversation, receive a call will stop recording. The record of phone will be saved automatically and return to call interface.

2 With Message

While recording in state of non-conversation, receive a message won't stop recording. The phone prompts message alert without display message interface.

2 With Others

- Alarm: Prompts later.

- Alert: Prompts later.

- Power off automatically while recording: Save record automatically.

Note: In state of non-conversation, record voice via MIC; In state of conversation, record voice via earpiece.

8.7 Stopwatch

1. Select **Menu**→**Toolkit**→**Stopwatch**.
2. Select **Start** to make stopwatch timing.
3. Select **Stop** to stop timing.
4. Select **Reset** to clear the time record.

8.8 World Time

1. Select **Menu**→**Toolkit**→**World Time**.
2. Press **UP/Down** or **Left/Right key** to move the location on the map, meanwhile the time of the city can be shown accordingly.
3. Or select **local city** or **query other time** in **Option** to view the time of the city selected directly.

8.9 Sales Service

ZTE H520 has specific **Sales Service Number** fixed in the phone for you easy to dial.

CONFIDENTIAL

9 Games

Extra offers two games: **Brick attack** and **Push Box** .

9.1 Brick Attack

In this game, paddle the bar to rebound the ball and attack bricks with skill. And then enter next stage.

1. Select **Menu**→ **Extra**→ **Games**→ **Brick attack**.
2. Press **Left select key** or **OK key**, the display shows greeting and play guide.
3. Select **Newgame** to start, press **Left/Right key** to move the paddle bar left/right. Press **Right select key** to pause the game..
4. As passing a stage, select **Continue** to play again, select **Next Stage** to enter next stage.

9.2 Push Box


In this game, pushing boxes with skill and locating them to stated locations. And then enter next stage.





1. Select **Menu**→ **Extra**→ **Games**→ **Push Box**.
2. Press **OK key**, the display shows greeting and play guide.
3. Select **New Game** to start, select **Stage** and key in stage level. Press **OK key** to start.
4. As passing a stage, select **Replay** to replay again, select **Next Stage** to enter next stage.

10 Text Input

Your phone offers text input modes: Multitap Input (**abc/ABC**), Numbers Input (**123**), eHiText Input (**eng**), and Symbol Input (**Symbols**). Input mode includes capital letter and lowercase mode.

You can key in letters, digits, characters and symbols when writing text or editing contact record information in **Names** or **Messages** etc., following the common instruction in hereinafter table.

Operation	Method
Input Letters	Multitap Input—“ abc/ABC ”, press corresponding letter key till the letter appears.
Input Words	eHiText Input—“ eng ”, press any key once to key in any word.
Input Digits	Numbers Input—“ 123 ”, press digit key once.
Input Symbol	Symbols Input —Press * key  to enter the symbols mode and press corresponding digit key. Or press “1” key till the symbol (common symbols) appears except for Numbers Input mode.
Input Space	Press “0” key, except for being in numbers

	mode.
Erase Character	Press Right select key  .
Move cursor left or right	Press  Left/Right key.
Change input mode	Press # key  to select another text mode.
Capitalization	Press # key  to switch between capitalization (ABC) and lowercase (abc).

10.1 Multitap Input

Select **Multitap** Input (**abc/ABC**) — Each key stands for multiple letters. Press key till your letter appears. When the cursor moves, enter the next letter.

10.2 Numbers Input

Select **Numbers** Input (**123**) — Press the corresponding key once to input the number. In Numbers input mode, you can not enter space.

10.3 eHiText Input


Select **eHiText** Input (**eng**) — Predictive word input is based on a built-in dictionary.


One letter asks for pressing only once.

Press the digit key corresponding to the letters once till the word appears on the screen.

If the word displayed is not the word you want, press **Up/Down key** to look for another matching word. Then press **OK key** to confirm.

10.4 Symbols Input

- Press **1 key**  to input till the symbol appears. Most common punctuation marks and special characters are available except for **Numbers** Input mode.

Or select **Symbols** mode by pressing *** key** .

- Press **Up/Down key** to page down. And press digit key to enter corresponding symbol.

11 Troubleshooting

If your phone appears following phenomenon in the process of application, please read following relative information at first. If the problems still can not be solved, please contact with the distributor or service provider.

Problem	Check Point
No key beep on pressing keys.	Please check the setting of Key Beep in Settings .
When there is an incoming call, the prompt ringer not rings.	Please check the setting of sound Alert Type and ringer Volume in Settings .
No prompt tone at alarm time.	Please check relative sound setting (Alert Type and ringer Volume in Settings).
Messages cannot be sent.	Please check the signal of network.