

GSM MOBILE PHONE

User Manual

BRAND NAME:MC-MOBILE

MODEL NAME:2222

FCC ID:2AACK2222

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1 For your safety

Notice: To use your handset safely and efficiently, please read the following instruction carefully before using and abide by it.



Be careful when you are driving.

Please abide by the relative local laws and regulations. Use both of your hands to drive! Put the handset in its seat to avoid falling down. The ballonet will charge quickly when it is in danger, please don't put anything in its security scope, including fixed phone and handset equipment. Otherwise it may cause serious body injuries.



The handset must be turned off when you are on the plane.

The interference of mobile will influence the flight. It is illegal to use mobile on phone, please power it off.



The handset must be turned off when you are in blowing-up area.

When you are at a blowing-up area or near it, please abide by the relevant laws and power your mobile off.



The handset must be turned off when you are near a danger product.

Please do not use mobile when you are near gas station or chemical plant.



The handset must be turned off when you are in a hospital.

You have to abide by the relevant regulations of hospital and turn your handset off when you are near medical equipment. Any wireless transmission device, including mobile, will interfere those equipment not fully-protected.



Interference

All the mobile handset may be interfered by the radio and reduce the performance of the handset.



Professional service

Only the professional can setup or maintain the handset. Improper installation or maintenance would bring out great danger, it also disobey regulations of maintenance guarantee.



Accessory and battery

Only the appointed accessory and battery can be used. It is suggested that you return the used battery to the factory or put it in the appointed recycle zone. Do not put it together with other rubbish or discard it.



Reasonable use

Please use the handset in reasonable way. It is prohibited to put your handset in high temperature (over 60°C), such as beside the window where there is sunshine. Please use wet or antistatic cloth to clean the handset. Do not use dry or static cloth to clean it. Your handset is not waterproof, please keep it dry.



Emergency call

Please make sure the handset is powered on so that it can dial the emergency call. In idle mode, the handset can dial emergency numbers, such as 112, 119 and 110. Press dial key to dial it, report your location and the situation briefly. Do not end the call without permission.



Note: this handset, like any other one, may not support all the features because of the network coverage and wireless transmission. Some network even can not support 112. So do not rely totally on your handset about some significant calling (like medical aid). Please refer to the local operator.

2 Start to use

Please read the following section carefully before using the handset. It will instruct you how to insert and unlock the SIM card, how to setup and maintain the handset, how to charge the battery, and also the information about digital GSM network.

2.1 Battery installation

Please charge the battery after it has been completely used up, and use it after it has been completely charged. Three times later, the battery will be in best status.

- Installing and discharging of the battery

Pull the cover to take out the battery, and put it inside then close the cover to install it.

- Charge of the battery

- ✧ connect the charger with power supply
- ✧ connect the charger with handset

- ✧ The battery indication on LCD will bicker. If the handset is powered off when charging, LCD will display “charging interface”. If you overuse the handset when it is out of battery, LCD will display “charging” a while after you begin to charge it.
- ✧ When the battery indication is full and stops bickering, it means the handset has been completely charged. If the handset is charged when power off, the indication will also be displayed on LCD. It will take 2 to 3 hours to charge, the battery, the handset and the charger will get warm during the charging time.
- ✧ Please disconnect the jacket and charger after finishing charging.
- ✧ The handset can be normally used when it is charging.

Warning: the handset must be put in a ventilated place where the temperature is -40°C — $+55^{\circ}\text{C}$. And you must use the charger supplied by the factory. It is dangerous not to use the appointed charger, and it will break the guarantee terms of the handset.

- Use of the battery

When the handset is powered off automatically or when there is low battery indication, you should charge it in time. If the battery is not run out of energy before charging, the handset will adjust and reduce the time of charging.

The idle time and talk time of the handset specified by the factory is based on the perfect working environment. Actually, the working time of the battery will vary with the network status, work environment and the way of usage.

2.2 Connecting to network

SIM card

The phone supports two SIM cards which can be in use at the same time when power on. Your network provider will supply you two inserted SIM cards. SIM card is the key for you to enter the digital GSM network. Please insert the useful SIM card before using the phone. Two SIM cards can be inserted into the phone at one time and switched to your wanted one at power-on such as dual SIM open, only one SIM open.

All information about the network connecting and your calling record will be saved in the SIM card, and also the list of your phonebook and messages. You can take it out and insert to any other GSM handset.

You should avoid touching the metal area of the card, and put it far away from the magnetic area. Once it is damaged, you can not enter the GSM network.

Insert and take out the SIM card

Normally, SIM is put in a card ; please take it out carefully before installing.

Power off the handset, discharge the battery or other power supply.

Insert the card, the metal face being downward.

When you need to take out the card, please turn off the handset and discharge the battery first.

Warning: forbid to take out the SIM card when the handset is powered on. It is definitely prohibitive to insert or take out SIM card when the handset is connected to external power supply, or SIM card may be damaged.

2.2.3 Connecting to network

After unlocking the SIM card, the handset will search the registered network or other available network. Once connected, the name of network supplier will show in the middle of the LCD. At this time, your handset is in idle mode.

Note: if it prompts “emergency call only” on LCD, it means you are out of service. But you can still make emergency calls according to the signal strength.

3 Operation manual

3.1 Power on/off

● Power on

Long press the power key to turn on the handset.

If there is prompt “insert the SIM card”, please power it off and check the SIM card.

When the handset is powered on and indicate you to input the handset password or the PIN code, you have to input it correctly. If you do not know the PIN code yet, please contact with the network supplier. The default password is 1122.

● Power off

Long press the power key to turn off the handset. The handset is power off after displaying the flash on LCD.

3.2 flashlight

flashlight: on the standby mode, long press the OK key with a mark of electronic torch to turn on or off the light

3.3 Emergency calls

If your handset is under the cover of the network, wherever using the GSM network, you can make emergency calls. if you have no roaming service in the area, LCD will display “emergency calls only”. As long as you are under the cover, you can make those calls even without SIM card.

4 Phonebook

You can choose the following functions in the phonebook:

- Quick search: You can enter the phonebook list interface, and use left softkey to the call to determine and send information, edit, delete, copy and so on
- Search contact: search contact information though the name
- Add number: you can add new entry to the SIM1、SIM2 or the phone. There is a little difference on the saving format.
- Copy all: copy all the linkmen from SIM to handset or from handset to SIM.
- Delete: you can delete all the record on SIM or the handset, or you can delete them one by one.
- Caller groups: Edit the group informations ,such as group name,caller ringtone,caller picture and so on.
- Settings: Look up memory status of phonebook and set the phonebook preferred storage path.
- Caller picture: Display the image that you set when the contact calling.
- Caller ringtone: Set a caller ringtone to contact you set or caller group.

5 Message

In main menu, enter SMS by touching Message icon.

5.1 Write a message

To write a message, you can follow the instructions:

- Press # key to switch the input methods by which writing language you choosed

Editing a message, click “options” to go to the following options: change writing language, send or save.

5.2 Inbox

There are SIM1 inbox and SIM2 inbox.

You can check the messages you have received in the inbox and reply, delete, edit, forward, copy or move to SIM or handset memory, chat, delete all, copy all, move all, use the number (dial out or save), use the connection(connect to website in SMS directly), and so on. If the inbox has no message, there will be a prompt “empty”.

5.3 Outbox

You can check the messages you have saved in the outbox which is already sent or unsent and reply, delete, edit, forward, copy them to

handset/SIM, move to handset/SIM, delete all, copy all, move all, use the number, use the connection, and so on.

5.4 SMS setting

You have to make some basic settings before using the message function.

There are the following options:

- Profile setting: set a suitable format for messages. After entering a single format, you can set the file name; SMS center number, validity period and sending format.

6 Call history

In main menu, click call history icon to go to call register interface.

6.1 SIM1 call history

- Missed calls: click any missed call and view the details as date, time, number, times and call end duration.
- Dialed calls: the same as missed calls
- Received calls: the same as missed calls
- Call timers: View the call time as last call time, total call time, total received time.
- Call cost: please input network service supplier expense standard before calculating the call cost
- Text message counter: The number of received message and sent message.

You can either delete all call records or separated delete the missed, the dialed and the received.

6.2 SIM2 call history

As the same SIM1 call history.

7 Settings

7.1 Phone settings

7.1.1 Time and date

- Set time/date: set the current time and date
- Set format: 12 hours or 24 hours.

7.1.2 Schedule power on/off: Timer power switch

7.1.3 Language

- Language: Choose the language from english or hindi for your headset

7.1.4 Pref. input methods: set the default input method.

7.1.5 Display

- Wallpaper: choose the wallpaper for the idle mode
- Screen saver: set a image for screen saver from phone or memory

card.

- Power on/off display: select system default image or user defined for power on/off display

Show date and time: Turn on or off the time display in the standby interface

7.1.6 Greeting text: Display the greeting text when you power on handset.

7.1.7 Speed dial: Long press the corresponding number key you set to make a call.

7.2 Dual SIM setting: you can open SIM1 or SIM2 for you handset.

7.3 Network setting

7.3.1 SIM1 network setting:

- Network selection: select network by manual or automatic.
- Preferences: Default preferences is China Mobile
- Band selection: Default band frequency mode is auto.

7.3.2 SIM2 network setting:

As the same SIM1 network setting.

7.4 Security settings

SIM card lock

You can use PIN code to lock SIM card.

SIM card fixed dial: use PIN code to set the list of fixed dial.

Phone lock

You can lock the handset to avoid being illegally used.


Note: The default password is 1122; please change it to your personal password as soon as possible.

Auto keypad lock

Set the waiting time for locking keypad. After setting, the keypad will be locked automatically if the handset is not used in the appointed time. The way to unlock the keypad: Press send key.

Change the password

including PIN, PIN2 code and the password of the phone lock.

 Note: some functions need the support of the operator.

7.5 Call settings

● SIM1 call settings

- ✧ Call waiting: open or close this function
- ✧ Call divert: when customers can not answer the phone, transfer calls to the pre-set number of customers.
- ✧ Call barring: forbid all outgoing calls and incoming calls
- ✧ Line switching: Default mode is line1.

● SIM2 call settings

The details is referred to SIM1 call settings.

● Advanced settings

- ✧ Auto redial: when you set this function, each time you fail to get through, it will redial automatically.
- ✧ Black list
 - Mode: on/off
 - Answer mode: There are two mode to choose
 - Black list numbers: Max 5 black numbers
 - Call Group Black Red List:
- ✧ IP dial: enter IP number and press OK to confirm the settings, and then you can cancel or edit it. After setting IP dialing

7.6 Restore factory settings

Input the password of the handset lock, you can set the parameter to factory default. The password is 1234.

8.1 Profiles

The handset supplies six modes: general mode, meeting mode, outdoor mode, indoor mode, Headset mode .bluetooth mode

8.1.1 General mode

You can operate on each mode.

Activate : activate general mode

Customize :

- ✧ Tone setup: set incoming call tone, Message tone and keypad tone;
- ✧ Volume: 1~7 volume levels for ring and key tone
- ✧ Alert type: ring only, vibration only, ring and vibration, ring then vibration

✧ Ring type: single, repeat and ascending

8.1.2 Meeting mode

The same to the general mode

8.1.3 Outdoor mode

The same to the general mode

8.1.4 indoor mode

The same to the general mode

8.1.5 Headset mode

The same to the general mode

8.1.6 Bluetooth mode

The same to the general mode

8 Audio player

After choosing music, there are the following operations:

- Pre.playlist: choose the music in handset or memory card.
- List auto gen.: you can choose to on or off this function.
- Repeat: you can repeat playing. There are 3 options: off, one repeat, all repeat.
- Shuffle: set the playing order. You can choose to on or off this function.
- Background play: choose this function; you can play the music when in other operations. (Except mute operation, camera operation and record operation.)

Note: the player only put the music in My Music to the list.

Warning: please adjust the volume suitably, to avoid hurting the listening.

9 fun & Games

There is monkey game. Control the monkey to attack enemies or prevent touching them. To get the clock can extend the playing time
(1) Use key 2 (or up-arrow key) to move upward, key 4 (or left-arrow key) to move leftward, key 8 (or down-arrow key) to move downward, key 6 (or right-arrow key) to move rightward, and key 5 to attack enemies.

10 Multimedia

On the main menu interface click multimedia icon to go to the multimedia menu:

10.1 File manager

Pressing handset or memory card, there are following operations:

Open: open an appointed file

New folder: add a new file folder

Format: format the file

Note : you will lose all the information after formatting.

Pressing the folder, there are following operations:

Open: open the folder

New folder: add a new folder

Rename: rename the folder

Delete: delete the folder

Sort by: taxis the folds, according to name, type, time or size.

Note: Some folders are hidden. To show them, you'll have to save it to root directory of the handset with a right format, and move them to a corresponding folder.

10.2 Audio player

After choosing music, there are the following operations:

- Pre.playlist: choose the music in handset or memory card.
- List auto gen.: you can choose to on or off this function.
- Repeat: you can repeat playing. There are 3 options: off, one repeat, all repeat.
- Shuffle: set the playing order. You can choose to on or off this function.

Note: the player only put the music in My Music to the list.

10.3 Camera

● Photos

View: view the photos

Forward: you can setting the photo for wallpaper, power on/off display or screen saver, and sent by bluetooth.

Rename: rename the photos

Delete: delete the selected photo

Delete all files: delete all photos

Send: send by bluetooth

Sort: Sort the image by the property

Storage: Choose default storage path.

Camera settings

Shutter sound: you can choose to on or off.

● Image settings

Size: There are four kinds of the size of the picture.

Image quality: There are 2 options to choose: normal, good,

Store: Choose to preview the pictures stored on the phone or memory card.

Restore default

Return all setting to factory default.

Warning: please adjust the volume suitably, to avoid hurting the listening.

10.4 image viewer: Refer to the above photo set.

10.5 Video player

After entering the film list, you can:

- Select the file by up/down key, then you press options to go to the interface: play, send, rename, delete, delete all files, sort by or storage.
- Click the film file to go to the option interface.

During video playing, you can adjust the speed by left/right key, and to pause/continue by OK key.

10.6 Video recorder

Press left functional key to operate as follows:

- camcorder setting

Set the parameters for the kinescope

White balance: There are 6 options

Ev: Adjust the brightness of video

Contrast: Adjust the contrast of video.

Effect settings: There are 7 options

- Restore default

Reset all the setting

10.7 FM radio

- Power on: you can power on or off the FM
- Channel list: you can view or choose the channel than you search.
- Manual input: Manual search the channels and set them as a list.
- Auto search: Auto search the channels and set them as a list.

Settings

- Loudspeaker: To on or off the loudspeaker play.
- Background play: To on or off the background play.

Note: please plug in earphone before power on the FM.

11 Organizer

11.1 Bluetooth

- Power: on/off

- Inquiry audio device:
- My device: The name of handset device will be displayed after matching and connecting successfully.
- Active device: activate Bluetooth and the headset before entering this menu, and then begin to search the handset device. You will be asked to input the password of Bluetooth headset. And then you can use Bluetooth for talking or play MP3 after matching.
- Setting
 - Visibility: on/off
 - Change device name: you can change the Bluetooth name.
 - Audio path: choose storage path.
- About:Device name: SH MOBILE B246
 - Device address: (00:68:58:00:2a:7a)
 - Supported services:Handsfree profile OPP profile FTP profile
- Note: the password is different by each factory; please refer to the Bluetooth manual for the detail.

11.2 Alarm

There are 3 alarm clocks for you to choose.

- Open/close
- Alarm time
- Snooze: choose from 1,5or10minutes.
- Repeat:daily,weekly,monthly or yearly.

11.3 Calendar

- View tasks:view the tasks you set.
- Jump to date: skip to the appointed date to check or edit the memo.

11.4 Calculator

There is calculator in the handset, and you can operate it by keypad. The operation is as follows:

- Input the first number: when 0 is displayed on LCD, input the first number.
- Input the counting symbol and then the second number. Choose +、-、*、/、= by touching it.
- Press the equal mark, and come out the result.
- Keeping calculating: You can use the result to keep calculating.

- Clear: press right functional key. The content cleared is decided by the inputting status. If the result is already there, then 0 is displayed on LCD,
- If you are inputting number or symbols, only the current number or symbol is cleared.
- Exit: Press back key to exit. If there is no soft back key on LCD, then you have to press clear key to exit one by one.

11.5 Tasks: Input the subject and turn on alarm, it will remind you tasks on your setting time

11.6 Flashlight: On the standby mode, long press the OK key with a mark of electronic torch to turn on or off the light.

12 Shortcuts

There are 10 default shortcut menus. You can choose and enter relevant functions.

13 USB function

When the USB data-wire is in use, it will start the charging function at the same time. It is no need to install driver when under Windows 2000/XP systems; while you have to download the driver from the internet under Windows 98/98SE systems.

There are 3 different functions of the USB data-wire in the handset:

Storing: connecting the data-wire to the computer, If the handset is power on, USB setting will pop out, please choose the storage. If the handset is power off, there is no need to set the storage, computer will find the storage in handset automatically, and show the USB icon on computer. Open it and you can see and change the content.

Video camera: connecting the data-wire to the computer, and then choosing "video camera", you can use the handset as network camera.

Note: This function can take effect only when the handset is power on.

Com port: connecting the data-wire to the computer, and then choosing "Sequence port", you can dial-up to the internet.

Note: this function needs network support, please contact network service supplier if possible.

14 Appendixes

14.1 Battery security

Please use the battery appointed by the factory. Using other parts will make all guarantees service invalid. The factory will take no responsibility for the damage caused by using non-original parts.

- The new battery can achieve the best performance only after two or three complete charging and using.

- The battery can be charged for hundreds times, but it will become invalid at last. Please buy a new one when the idle time and talk time are apparently shortened.
- Please disconnect the charger with power supply when you do not use the charger. Do not connect the battery to the charger for more than a week, overcharge will shorten the battery life.
- Please do not put the battery together with metal.
- Please do not bend or open the battery.
- Please do not put the battery in water or fire.
- The battery can be charged when the environment approaches the room temperature, it possibly can't be charged when the temperature is -40°C or $+55^{\circ}\text{C}$.

14.2 Use and maintenance

This handset is high-technical product, please use it carefully. The following suggestion is for you to use and maintain the handset better.

- Put the handset in the place where the children can not reach.
- Please keep the handset dry. Rain, moisture and other liquid may contain the mineral material which will damage the circuit.
- Please do not put the handset in dirty and dusty place.
- Do not put the handset in too high temperature. High temperature may shorten the life of electronic setting and destroy the battery, and also distort or melt the plastic part.
- Do not put the handset in too low temperature. When moving the handset from low temperature to high, there will be moisture inside, this may destroy the PCB.
- Do not discharge the handset by yourself. Laypeople may destroy the setting.
- Please do not throw, knock on or shake the handset. Treating it roughly may destroy the main board.
- Please do not use excitant chemicals to clean the handset. Use the soft suds to clean it.
- Please do not paint the handset. Paint may interfere with the moving part and influence the normal operation.
- Please use the qualified spare antenna. The unauthorized antenna or other parts may destroy the handset.
- If the handset is wet, please power off and take the battery out. You can begin to use it again 24 hours later when you make sure it is dry.
- To lower the voice volume and shorten the backlight time is good to prolong the idle time.
- Please don't contact the charger interface with metal to avoid short

circuit.

14.3 Basic trouble solutions

If you feel something wrong when using the handset, please refer to the following solutions. If you still can not solve it, please contact with the operator.

Regular problems	Reason	How to solve
Can not connect to the network when using wireless internet	The network service supplier don't supply this service or you haven't applied	Contact the network service operator
	Wrong setting	refer to the details of wireless internet
SIM card error	SIM damaged	Contact the wireless internet operator
	Not setup correctly	check SIM
	Filth on the SIM	Clean it with a cloth
Bad signal	The area is hard to receive signal, such as near a high building or in basement	Move to a better area
	Communication traffic	Try to avoid it
Can not power on	Battery used out	Change a battery
Can not make a call	Use barring dialing function	Cancel barring dialing function
Can not connect to network	SIM is invalid	Contact the operator
	Out of GSM service area	move into the service area
	Bad signal	Try again in a better signal area

Can not charge	The voltage is unsuitable	Use the appointed standard voltage
	Non-standard charger	Use the appointed charger
	not contact well	Check whether the plugs are well connected.

FCC RF EXPOSURE INFORMATION:

WARNING!! Read this information before using your phone

In August 1986 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency (RF) electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of this phone complies with the FCC guidelines and these international standards. Use only the supplied or an approved antenna. Unauthorized antennas modifications, or attachments could impair call quality, damage the phone, or result in violation of FCC regulations. Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.

BODY-WORN OPERATION:

This device was tested for typical body-worn operations with the back of the phone kept 1.5cm from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 1.5cm must be maintained between the user's body and the back of the phone, including the antenna, whether extended or retracted. Third-party belt-clips, holsters and similar accessories containing metallic components shall not be used. Body-worn accessories

that cannot maintain 1.5cm separation distance between the user's body and the back of the phone, and have not been tested for typical body-worn operations may not comply with FCC RF exposure limits and should be avoided.

For more information about RF exposure, please visit the FCC website at www.fcc.gov

Your wireless handheld portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals. In August, 1996, the Federal Communications Commissions (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:

<ANSI C95.1> (1992) / <NCRP Report 86> (1986) / <ICIMIRP> (1996)

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1). Nevertheless, we recommend that you use a hands-free kit with your phone (such as an earpiece or headset) to avoid potential exposure to RF energy. The design of your phone complies with the FCC guidelines (and those standards).

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.

NORMAL POSITION:

Hold the phone as you would any other telephone with the antenna pointed up and over your shoulder.

TIPS ON EFFICIENT OPERATION:

For your phone to operate most efficiently:

- Extend your antenna fully.
- Do not touch the antenna unnecessarily when the phone is in use. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

RF Exposure Information:

FCC RF Exposure requirements: The highest SAR value reported under this standard during product certification for use next to the body with the minimum separation distance of 1.5cm is 0.504W/kg, next to the head is 0.622W/kg. This transmitter must not be collocated or operating in conjunction

with any other antenna or transmitter.

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

Do not use the device with the environment which below minimum -10°C or over maximum 50°C , the device may not work.

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