# H450R User Manual

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# 1 Basics

# **1.1 Brief Introduction**

In order to remain your phone in good condition, please read this manual carefully. We reserve the right of changing description of our products without prior notice and reserve the right of final interpretation of products' performance.

Because of the difference of software versions and network service operators, the contents of this manual may differ from the actual display, when this happens please refer to the mobile phone display.

# 1.2 Safety Notification

When your phone is lost or stolen, please notify the network service operator to disable your SIM at once (If such service is provided by operator), this will decrease your economic loss due to malicious use by others.

In order to protect your phone from malicious use, below precautions are recommended:

- Setting SIM PIN number;
- · Setting phone's unlock password

# 1.3 Warning and Attention

# Warning

> Drive safety

Do not use mobile when driving. When needing answer a call, please use the hands-free accessory. Please kindly remember, talking on the phone while driving is illegal in some states.

> Turn off mobile in air plane

Mobile phone may interrupt the flight, Using mobile phone during flight is both dangerous and illegal, please remain your mobile phone in power-off state during flight.

> Turn off mobile in explosive areas

Switch your phone off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Users are advised to switch the phone off while at a refuelling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often but not always clearly marked.

> Follow special regulations

Switch your phone off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

> Interference

Any mobile phone could be interfered by electromagnetic filed by surroundings. The internal antenna is located at the phone bottom area nearby the microphone; touching or covering this area may impact the network service.

Professional after-sales service

Please turn to the professional for repairing service, repairing by yourself may be dangerous and void warranty for this product.

Accessories and battery

Only use approved batteries, chargers and other accessories. The use of any unauthorized accessories may be dangerous and void the warranty for this product.

> Use in normal way

Please use the product in normal way.

Emergency calls

Before making an emergency call, please make sure the phone is powered on and in service. Please remember to give all the necessary information as accurately as possible; do not cut off the call until given permission to do so.

Note: The availability of emergency calls is subject to your cellular network quality, service provider policy, and local laws and regulations. Never rely solely on your device for critical communications like medical emergencies.

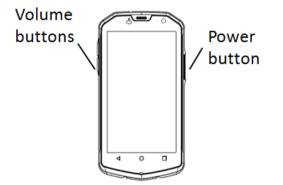
#### **Care and Maintenance**

Your phone is a product of superior design and craftsmanship and should be treated with care. Following below suggestions will help you to maintain the phone in good condition in and after warranty period.

- > Keep the phone and all its parts and accessories out of the reach of small children.
- Keep the phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- > Do not use the phone with a wet hand. Doing so may cause an electric shock to you or damage to the phone.
- > Do not use or store the phone in dusty, dirty areas, as its moving parts may be damaged.
- > Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- > Do not store the phone in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the phone, which may damage the phone's electronic circuit boards.

# 2 About your phone

2.1 Buttons of the phone



## 2.2 Buttons instruction

### • Power button

The power button is located on the right side of the phone, Press and hold down the power button is to power on the phone. Pressing the button is to lock or wake up the screen; holding the button will active a prompt box to choose power off or restart.

# • Volume buttons

Two volume buttons are located on the left side of the phone, to control volume.

# 2.3 Icons instruction

There are three printed icons under the screen: Back icon, Home icon and Menu icon.

Back icon

Touch to return to the previous screen or option.

♦ Home icon

Touch to display the Home screen.

• Menu icon

Touch to display options for the current screen.

# 2.4 Features

Phone

Dimension (length  $\times$  width  $\times$  height) : 139mm  $\times$  72mm  $\times$  12mm

Weight: 150g (with Battery)

Battery

Battery capacity: 1500 mAh

For parameters related with battery and charger, please refer to the print on the items.

# **3** Before Startup

# 3.1 SIM and Battery

SIM card stores some personal information. You can lock and unlock each SIM card that you use in your phone with a PIN (Personal Identity Number). When a SIM card is locked, the subscription linked to the card is protected against misuse, meaning that you have to enter a PIN every time you start your device. If you enter the PIN incorrectly more times than the maximum number of attempts allowed, your SIM card will become blocked. You then need to enter your PUK (Personal Unblocking Key) and a new PIN. Your PIN and PUK are supplied by your network operator.

Note:

- Remove the SIM card after several seconds after phone power off.
- SIM card is fragile, please handle it carefully.

- Keep SIM card and all other small parts out of the reach of small children. **Steps to mount SIM**
- Hold the power button to active a prompt box and choose power off.
- Remove the battery cover carefully.
- Refer to the sketch drawing beside the SIM socket, then push the SIM card into socket correctly.

# 3.2 SD card

Your phone supports removable microSD<sup>™</sup> memory card.

Installing SD card: Refer to the sketch drawing beside the SD card socket, then push the SD card into socket correctly.

Removing SD card: give it a push then remove.

Note:

• Keep SD card and all other small parts out of the reach of small children.

# 3.3 Charging battery

The battery inside the sold kit is already partly charged for your instant use.

Battery notification:

- Battery and charging information are monitored and displayed.
- On upper right corner of screen, the rest battery capacity is displayed.
- When battery is low, there will be a "low capacity" notification and alarm tone if the option is chosen in settings.
- When charging battery, an animation of charging will be played. The battery is fully charged when the animation stops.

- Charge the battery only with qualified travel charger.
- Mount the battery into the phone before charging.
- Remain the USB port connected well during charging.
- The battery is slightly heating up during charging, which is normal.
- The battery is fully charged when the animation stops.

# Note:

• Please pay attention to the directions of USB cable, when connected with wrong direction, charging will not run well or even lead to other malfunctions.

• Please make sure the voltage of local power supply matched with the charger.

### Using of battery

Battery power consumption depends on factors such as network configuration, signal strength, operating temperature, features selected, frequency of calls, and voice, data, and other application usage patterns. To maintain the battery in healthy condition, please kindly follow below instructions:

- Misuse or use of incompatible batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, leakage, or other serious hazard.
- Switch off the phone before removing the battery.
- If the battery is completely discharged, it may take a few minutes before notified of charging.
- Extreme temperatures will affect the charging capacity of your battery, please remain the phone and battery in a room of normal temperature.

- In case of battery leakage, deformation, color change, or overheating while charging or storing, immediately stop using the device and remove the battery. Continued use may lead to battery fire, or explosion.
- The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new approved battery.
- Warning: Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the plus and minus terminals of the battery (metal strips on the battery). Short-circuiting the terminals may damage the battery or even battery fire, explosion and bodily injury.

## **3.4** Connection to network

The phone can be connected to various types of networks, including cellular network, data transmission network and Bluetooth network. And the phone can be connected via USB with computers.

#### 3.4.1 Cellular network

After successfully unlocking the phone and SIM, the phone will start searching usable cellular network. After searching, phone will remain stand by. The cellular network operator name will be displayed after successful registering. You can dial out or receive a call when seeing operator name displayed.

#### **3.4.2** Bluetooth connection

Bluetooth is a short-range wireless communications technology for exchanging information over a distance of about 30 feet. You don't need to line up the devices to send information with Bluetooth. If the devices are in range, you can exchange information between them.

# Turning on Bluetooth and pairing your phone with another Bluetooth device

1. On the home screen, touch Settings.

2. Touch Bluetooth.

3. Touch the Turn on Bluetooth switch to turn on Bluetooth. Your phone will automatically search for and display available Bluetooth devices.

4. Touch a device and follow the onscreen instructions to pair it with your phone.

# Renaming your phone

By default, your phone model is used as your phone name when Bluetooth is turned on. You can change the name to make it easier to recognize.

- 1. On the home screen, touch Settings.
- 2. Touch Bluetooth.
- 3. Touch Menu icon.
- 4. Rename this device and input the name you want.

### Sending a file using Bluetooth

To exchange data with another Bluetooth device, turn on Bluetooth on both devices and make sure they are both discovered. Locate the file you want to send, and then touch Share > Bluetooth. Your phone will automatically search for and display available devices. Select the receiving device.

#### Receiving a file using Bluetooth

When your phone receives a file transfer request, a File transfer dialog box will be displayed. Touch Accept to start receiving the file. Open the notification panel and touch Notifications to check the file transfer progress. By default, received files are saved into the Bluetooth folder in Files.

# 3.5 Touch Screen

#### 3.5.1 Lock screen

- When the phone is switched on, press the power button to lock screen.
- Screen will be locked automatically after idle for a while.

#### 3.5.2 Unlock screen

- Press the power button.
- Touch the unlock icon and swipe upwards to unlock.

# 3.6 Calling

#### 3.6.1 Making a call from dial pad

Smart dialing lets you quickly find contacts by entering part of their names or numbers.

- On the home screen, touch Phone icon.
- Under Dial pad, enter the initials or part of the contact's phone number. Any matches in Contacts are then displayed above the dial pad.
- From the list, select the contact you want to call. If your phone has dual SIM active, touch and select one to make a call.

#### 3.6.2 Making a call from Contacts

- On the home screen, touch Phone icon.
- Under Contacts, touch the contact you want to call. If your phone has dual SIM active, touch and select one to make a call.

# 3.6.3 Making a call from Call log

- On the home screen, touch Phone icon.
- Under Call log, touch the contact you want to call. If your phone has dual SIM active, touch and select one to make a call.

# 3.7 Use Earphone

When inserting the earphone into the earphone jackets, the phone will automatically enter the earphone mode, earphone will play the roles of both receiver and microphone; make sure the earphone inserted totally.

# 4 Switch Input Method

When editing text, you can choose from Android Keyboard, Google voice typing and other input methods installed.

Switching input method :

- On the home screen, touch Applications icon.
- Under Settings, enter Language &input.
- From the list, select the input method you want to use.

# **5** Applications

#### 5.1 Maps

Use Google Map to find your current location, get directions, and other location-based information.

#### 5.2 Phone

Tap the Phone icon to start dial pad.

# 5.3 Email

Send and receive email using popular email services. You need configure email account before using.

#### 5.3.1 Configuring email account

- 1. From the Home screen, select Applications  $\rightarrow$ Email.
- 2. Enter your email address, and then input Password.
- 3. Follow the following prompts to complete the setup.

# 5.3.2 Sending email

- 1. Open Email application.
- 2. Touch and hold on an account, then touch Compose.
- 3. Touch the to field to enter recipients. As you enter names or numbers, matching contacts display.
- 4. Touch the Subject field to enter a subject.
- 5. Touch the text field to enter the text of your email.
- 6. Touch Attach to add a file to the message.
- 7. Touch Send to send the message.

# 5.3.3 Receiving email

Open Email application and swipe down to refresh your account to receive emails from the servers.

# 5.4 Hangouts

This is a social network tool provided by Google.

# 5.5 Calculator

Use the Calculator application to perform mathematical calculations.

# 5.6 Sound Recorder

Record your voice or other sounds, and share recordings via Bluetooth, Messaging, or Gmail.

### 5.7 Calendar

Record events and appointments to manage your schedule. Please remember set the time correctly before using this application.

#### 5.7.1 Add new event

Tap the plus icon to add new event.

- 1. Edit the event name, attendees, description, location and time.
- 2. Tap save to record the new event.

# 5.8 Settings

### 5.8.1 [Wireless & networks]

Under this interface, you can manage WLAN, Bluetooth, SIM, Data usage; under sub interface of "More", you can manage Airplane mode, Default SMS app, Tethering & portable hotspot, VPN and Mobile networks.

# 5.8.2 **[Device]**

#### Display

Under this interface, you can manage Mira Vision, wallpaper, brightness, adaptive brightness, sleep, font size, screen rotation, etc.

#### Sound & notification

Under this interface, several predefined user scenarios are provided for your choice, including General, Silent, Meeting, Outdoor. You can also change settings of notification, interruptions, and sound enhancement.

#### Storage

Under this interface, you can check internal and external memory information, dismount SD card and format SD card.

#### Battery

Under this interface, you can set smart intelligent standby mode on/off, check battery status, and power consumption statistics.

#### Apps

Under this interface, you can manage your installed applications.

#### 5.8.3 [Personal]

#### Location

Under this interface, you can choose GPS on/off, and change settings of giving permission to applications to use location information.

#### Security

Under this interface, you can do changes related with security settings, to protect your phone and privacy.

#### Accounts

Under this interface, you can update accounts information into the phon.

#### Language & input

Under this interface, you can choose language and input methods.

#### Backup & reset

Under this interface, you can backup your data, account; do automatic restore and factory data reset.

#### 5.8.4 **[**System **]**

#### Date & time

Under this interface, you can change settings of date, time, tine zone and format.

#### Scheduled power on

Under this interface, you can set the time that you want to have scheduled power on and off.

#### Accessibility

Accessibility services are special features to make using the phone easier for those with certain physical disabilities. Use the Accessibility settings to activate these services, including talk back, captions, magnification gesture, large text, high contrast text, power button ends call, auto-rotated screen, speak passwords, accessibility shortcut, text-to-speech output, touch& hold delay, quick boot, color inversion, color correction.

#### Print

Under this interface, you can set up printer to print your files.

#### About phone

Under this interface, you can run system update, check status, legal information, model number, Android version.

#### 5.9 Clock

Under this interface, there are four sub functions: Alarm, World clock, Stopwatch, Timer.

#### 5.9.1 Alarm

Under Alarm, you can:

• Add an alarm: touch the plus icon and set the alarm time, ringtone, repetitions, and more; tap save to apply the settings.

• Enable or disable an alarm: Touch the switch next to an alarm to enable or disable it.

#### 5.9.2 World clock

Under this interface, you can view current time in different time zones of worldwide.

#### 5.10 Contacts

Under this interface, you can save name, phone numbers, and etc. into contacts.

#### 5.10.1 Check contacts

Tap Contacts icon to enter interface, you can swipe downwards to view more contacts in list. Tap a

chosen contact to view saved details.

#### 5.10.2 Create a new contact

Tap Contacts icon to enter interface, then touch the plus icon to add a new contact. Enter the contact name, phone number, and other details. Tap done to save.

#### 5.10.3 Edit a contact

Tap Contacts icon to enter interface, then tap and choose the contact to edit. Tap pen icon to edit.

#### 5.10.4 Remove a contact

Tap Contacts icon to enter interface, then tap the contact to delete, tap menu icon and choose delete contact.

#### 5.10.5 Import/Export contact

Tap Contacts icon to enter interface, then tap menu icon and choose import contact or export contact.

#### 5.11 Gallery

Under this interface, you can check and manage photos and videos.

#### 5.12 File manager

Under this interface, you can check and manage files stored in internal memory and SD card.

#### 5.13 Downloads

Under this interface, you can check and manage files and applications downloaded.

# 5.14 Camera

#### 5.14.1 Take a photo

Use your phone's built-in Camera to take pictures. Tap the camera icon to start application, touch the camera mark to take a picture. Taken pictures will be automatically saved in album.

Note: When using camera and audio recorder, please follow local laws of privacy protection.

#### 5.14.2 Shoot a video

Use your phone's built-in Camera to take videos. Taken videos will be automatically saved in album.

### 5.15 Messaging

The Messaging application shows your messages as conversations, which means that all messages to and from a particular person are grouped together. To send multimedia messages, you need the correct MMS settings on your device.

#### 5.15.1 Create and send a message

1. Open Messaging application.

2. Touch the icon of new message, and then input the receipt and text.

3. Tap the send mark to send out message.

### 5.15.2 Reply a message

1. Open Messaging application.

2. Tap the conversation containing the message you want to reply, input the replying text.

3. Tap the send mark to send out message.

### 5.15.3 Create and send a multimedia message

1. Open Messaging application.

2. Touch the icon of new message, and then input the receipt and text.

3. Tap the add mark to include pictures, videos, audio recording, and etc.

4. Tap the send mark to send out message.

# 5.15.4 Organizing your messages

#### Delete a message

1. Open Messaging application.

2. Tap the message you want to delete, in the menu list choose delete message.

3. Tap the dustbin mark to delete message.

#### Delete a conversation

1. Open Messaging application.

2. Choose delete conversation in the menu list, tap and choose the conversation.

3. Tap the dustbin mark to delete.

# 5.16 Voice search

Voice Search offers voice-activated Google search function.

### 5.17 Drive

For this application, you need a Google account to access.

# 5.18 Photos

For this application, you need a Google account to access. After login, you can back up your photo and videos.

## 5.19 Chrome

This is a full HTML browser provide by Google, to access the internet.

# 5.20 FM Radio

With this application, you need connect a headset to your phone to start FM radio.

# 5.21 Gmail

With this application, you may new a Google account or log in with available account, after log in, you can use it to send and receive emails.

# 5.22 Google

With this application, you can start search on internet.

# 5.23 Google+

For this application, you need a Google account to access this social network.

# 5.24 Google Settings

With this application, you can manage the settings of location, safety, advertising, and searching data management.

# 5.25 Play Store

With this application, you can browse for new Android applications, games or downloads for your phone. You need a Google account set up on your phone to download a new application.

# 5.26 Play Books

With this application, you can browse for books and buy. You need a Google account to access.

# 5.27 Play Music

With this application, you can play music stored inside your phone. You can also access Google play store to download music with a usable Google account.

### 5.28 Play Newsstand

With this application, you can browse for latest news on internet. You need a Google account to access.

### 5.29 Play Movies

With this application, you can watch and buy your favorite movies. You need a Google account to access.

#### 5.30 Play Games

With this application, you can download your favorite games. You need a Google account to access.

#### 5.31 Browser

With this application, you can access internet when network connection available.

# 5.32 Keep

With this application, you keep your memos. You need a Google account to access.

# 5.33 Flash light

With this application, you can turn on flash light for use.

# 5.34 YouTube

With this application, you can watch videos on line when internet connection is well.

# 6 Appendix

#### Appendix1: Trouble shooting for simple malfunctions

If the phone starts malfunctions often, please try restoring to factory setting and refer to below. If this does not solve the problem, please contact your dealer or service provider.

Malfunctions	Possible reason	Possible solution		
	SIM card damage	Please contact with operator		
SIM Card Error	SIM card bad mounting	Check and redo SIM mounting		
	SIM card dirty	Clean SIM and redo SIM mounting		
Signal poor	Network coverage area with poor signal	Please double check signal in well-covered area		
Cannot power on	Battery low power	Charge the battery and retry		
	SIM card disabled	Please contact with operator		
No network connection	Out of service area	Please double check signal in service area		

	Poor signal	Please double check signal in well-covered area		
Cannot charge	Power supply doesn't match with charger	Please use matched power supply		
	Use substandard charger	Please use provided charger in sales set		
	Bad connection	Check USB connections		

# 7 FCC Regulations:

This mobile phone 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.

This mobile 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. This equipment generates, uses and can radiated 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.

FCC Note:

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

# 8 **RF Exposure Information (SAR)**

This phone is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the United States.

During SAR testing, this device was set to transmit at its highest certified power level in all tested frequency bands, and placed in positions that simulate RF exposure in usage against the head with no separation, and near the body with the separation of 10 mm. Although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power

output.

The exposure standard for wireless devices employing a unit of measurement is known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg.

This device is complied with SAR for general population /uncontrolled exposure limits in ANSI/IEEE C95.1-1992 and had been tested in accordance with the measurement methods and procedures specified in IEEE1528. This device has been tested and meets the FCC RF exposure guidelines when tested with the device directly contacted to the body.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of www.fcc.gov/oet/ea/fccid after searching on FCC ID: 2ACUZH450R.

For this device, the highest reported SAR value for usage against the head is 0.78 W/kg, for usage near the body is 1.12 W/kg.

While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirements.

SAR compliance for body-worn operation is based on a separation distance of 10 mm between the unit and the human body. Carry this device at least 10 mm away from your body to ensure RF exposure level compliant or lower to the reported level. To support body-worn operation, choose the belt clips or holsters, which do not contain metallic components, to maintain a separation of 10 mm between this device and your body.

RF exposure compliance with any body-worn accessory, which contains metal, was not tested and certified, and use such body-worn accessory should be avoided.

# **9** Hearing Aid Compatibility (HAC) regulations for Mobile phones

In 2003, the FCC adopted rules to make digital wireless telephones compatible with hearing aids and cochlear implants. Although analog wireless phones do not usually cause interference with hearing aids or cochlear implants, digital wireless phones sometimes do because of electromagnetic energy emitted by the phone's antenna, backlight, or other components. Your phone is compliant with FCC HAC regulations (ANSI C63.19- 2011). While some wireless phones are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise and phones also vary in the amount of interference they generate. The wireless telephone industry has developed a rating system for wireless phones to assist hearing device users

in finding phones that may be compatible with their hearing devices. Not all phones have been rated. Phones that are rated have the rating on their box or a label located on the box. The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone successfully. Trying out the phone with your hearing device is the best way to evaluate it for your personal needs.

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids. It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or phone retailer.

M-Ratings: Phones rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. M4 is the better/higher of the two ratings. T-Ratings: Phones rated T3 or T4 meet FCC requirements and are likely to be more usable with a hearing device's telecoil ("T Switch" or "Telephone Switch") than unrated phones. T4 is the better/ higher of the two ratings. (Note that not all hearing devices have telecoils in them.)

Your phone meets the M3/T3 level rating.

Hearing devices may also be rated. Your hearing device manufacturer or hearing health professional may

help you find this rating. For more information about FCC Hearing Aid Compatibility, please go to http://www.fcc.gov/cgb/dro.