



QBAR 3G

## Technical Specifications

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Technical Specifications Weight: 76g

Size: 119.5\*48\*11.5mm

Battery: 4.2

For the network: 2G :900/1800MHz

3G:900/2100 MHz

Battery refer to the following table:

Battery Type	Battery Capacity	Talk time	Standby time
Li-Ion	1000mAh	4 Hours	260 Hours

**Note:**

**The actual condition for the mobile phones usage is related to the network of the local environmental conditions, SIM card and the way of use.**

**Disclaimer:**

**SINGTECH shall not be held responsible for any consequence resulted by violating the following recommendations or inaccurate use of the mobile phone.**

**SINGTECH reserves the rights to modify the design of this mobile phone and the content of this User's Manual without prior notice.**

**Due to different software and mobile service providers, the display on your phone may vary, please refer to your phone for details.**

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## Foreword

Thank you for choosing SINGTECH Genesis QBAR 3G, a 3G feature phone.

Your phone may be used internationally with the various networks depending on your roaming arrangements with your service provider.

To use this phone you must subscribe to a GSM service from a mobile service provider. We have included many features in this device but their function depends on the features available with your subscribed wireless network. Please contact your mobile service provider for more information.

We strongly recommend that you carefully read and understand this manual before using your phone in order to keep it under best conditions for your effective usage and utmost satisfaction.

### Safety Information

If your phone is lost or has been stolen, immediately notify your mobile service provider to disable your SIM card to avoid economic loss caused by unauthorized use.

Please take the following measures to safeguard your phone from unauthorised use:

- Set PIN code to SIM card
- Set phone password

### **Safety warning and Attentions**

**ROAD SAFETY COMES FIRST**

Do not use your phone when driving. For your own safety

as well as that of other road users, stop and park safely before making a call. You must comply with any current legislation.

#### SWITCH OFF IN AIRCRAFT

When travelling by plane, you will need to switch your phone off when so instructed by the cabin crew or the warning signs. Using a mobile phone may be dangerous to the operation of the aircraft and may disrupt the communication network. If used illegally, you could be prosecuted or banned from using cellular networks in the future if you do not abide by these regulations.

#### SWITCH OFF BEFORE ENTERING HAZARDOUS AREAS

Strictly observe the relevant laws, codes, and regulations on the use of mobile phones in hazardous areas. Switch off your mobile phone before entering a place susceptible to explosion, such as an oil station, oil tank, chemical plant or a place where a blasting process is under way.

#### OBSERVE ALL SPECIAL REGULATIONS

Follow any special regulations in force in any area such as hospitals and always switch off your phone whenever it is forbidden to use it or, when it may cause interference or hazards. Use your mobile phone with care when near any medical devices, such as pacemakers, hearing aids and any electronic medical devices, as it may cause interference to such device.

#### INTERFERENCE

The voice quality of any mobile phone may be affected by radio interference. An antenna is built inside the mobile phone, located below the microphone. Do not

touch the antenna area during a conversation as it may cause the voice quality to deteriorate.

#### QUALIFIED SERVICE

Only authorised and/or qualified service personnel may install or repair any phone equipment. Installing or repairing the mobile phone on your own may result in serious hazards and void the warranty.

#### ACCESSORIES AND BATTERIES

Use only original SINGTECH accessories and batteries.

#### USE SENSIBLY

Use only in a normal and proper manner.

#### EMERGENCY CALLS

Ensure the phone is switched on and in service, enter the emergency number, e.g. 999, then press the Dial key. Give your location and state your situation briefly. Do not end the call until told to do so.

Note: Just like all other mobile phones, this mobile phone does not necessarily support all the features described in this manual due to network or radio transmission problems. Some networks even do not support the emergency call service. Therefore, do not rely solely on the mobile phone for critical communications such as first aid. Please consult your mobile service provider for more information.

#### Precautions

Please exercise special care when using your SGT-C21. The following suggestions are for your knowledge::

Keep the mobile phone and all its fittings beyond children's reach.

Keep the mobile phone dry and away from rain, moisture, liquid or any substances that may corrode its electronic circuits.

Do not use or store the mobile phone in dusty places that may damage any parts of the mobile phone.










Do not store the mobile phone in a high-temperature place. High temperature will shorten the life of the electronic circuits and damage the battery and some plastic parts.

Do not store the mobile phone in an extremely cold place. Otherwise moistures will form inside the mobile phone, causing damage to the electronic circuits after being moved to a place of higher temperature.

Do not drop, throw or knock the mobile phone on any hard surface as this will damage the internal circuits and high-precision components.



## 1. Quick start

Icon Explain	
Icon	Function description
	<b>Network signal strength:</b> number of the more stronger the signal;
	<b>Battery capacity</b> number of the more power the more full;
	<b>SMS</b> have unread SMS
	<b>Missed call</b> have missed calls
	<b>Used profiles</b> Different icons show different icon: General, Silent, Meeting, Outdoor
	<b>Headset</b> Plug in headset
	<b>Alarm</b> Alarm function opened
	<b>Stopwatch</b> Stopwatch function turn on
	<b>Key lock</b> Show key and screen lock

**Install SIM card**

This phone supports one GSM SIM cards. Find SIM card's groove in the back of the phone and slide it completely there. During installation, please make sure the chip is facing downwards and pay attention to slot direction.

**Note:**

1. **Keep SIM card out of children's touch.**
2. **Any abrasion or folding could easily damage SIM card, so please be extremely careful when you insert, Remove and preserve it.**
3. **Please make sure that you have cut off the power supply and have taken out battery before you remove SIM card.**

**Install micro SD card**

1. First switch off the phone and remove the battery.
2. Push the metal card holder toward the bottom of the phone and lift the released end of the holder.
3. Place the memory card into the holder with the metal contacts face down and push the holder until it locks into place.

**Note:**

1. **To avoid damaging memory card, please do not plug memory card fast or frequently.**
2. **Please regularly backup information in the cards on other equipment when you use the micro SD Card! Improper use or other uncertain factors may cause the damage or loss to the content in the cards.**

**Installing Battery**

Align the battery chip with the metallic salient point in battery jar, insert the battery until it is inserted into the battery jar. Slide battery cover into back of the phone until it is locked.

### **Battery Charging**

Unclose dustproof soft gum of attachment mode on the bottom of the phone, insert one end of the charger, i.e., the charging plug into attachment mode and the other end into electrical outlet, Screen will display the charging sign. After charging is finished, just pull out the plug.

#### **Note:**

- 1. Please use the standard battery and charger, or may explode.**
- 2. If the battery is completely discharged, the battery icon should be in charge after 2 to 3 minutes to appear. Generally based on the current state of the phone (if boot, call, etc.) of different charging time for 2 to 5 hours.**
- 3. Please use the charger, charging as much as possible to avoid using USB cable.**
- 4. To ensure optimal battery performance, the completion of two to three times the battery charge and discharge cycles. Several new battery initial charge, please charge more than 10 hours straight.**

#### **Switching on**

Long press **the Red key** to switch your phone on

1. If there is no SIM card, SIM card is defective, or SIM card contact is loose, you will be prompt with a warning after powering on, shut down and check your SIM and its installation.
2. If inserted one GSM SIM card only into the phone, meanwhile phone code and PIN code is turn on. When switched on, after entering the PIN code and phone code, the phone enter the standby mode by the current SIM.
3. If the phone detected authorized network, the screen will display network name and signal strength. If there is no authorized network is found, the phone can only make emergency calls or use non-communications features.

**Other special function**

In the idle screen, long press the red key, you can enter the phone mode setting screen, include select power mode, network management and profiles.

Lock: select the function and press the left soft key, the mobile will lock screen. If you need operate the phone, press the left soft key + \* to unlock.

Power off: select the function, the phone will power off.

Reboot: select the function, the phone will reboot one time.

Flight mode: select the function, the phone will switch to flight mode.

SIM: you can select open or close the Sims card functions.

Date: you can open or close the data connection.

3G: you can set SIM card various network parameters.

Profiles: The phone provides you with five profiles: General, Silent, Meeting, Outdoor and My style. It's help you according to the different events and environments in different custom ring tones. according to different scenarios, choose a different profile.

## 2. Call functions

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### Dialing telephone

#### 1. Direct dial

In standby mode, press the corresponding numeric keys to enter the phone number that you want to dial, including necessary area codes. Short Press the Right soft key [Clear] to delete one character, and Long Press delete all inputs, press the Green key to dial.

#### 2. Making an International Call:

To make an international call, long press [0] key until the prefix symbol "+" of international call displays in screen.

#### 3. Dialing from Phonebook

Enter the Phonebook via the menu, use the Up/Down Navigator keys to scroll to the desired contact, or press the first letter of the name of the desired contact as saved in your phonebook for quick access to names beginning with the letter then scroll to the desired, press the green key to dial.

#### 4. Dialing from Call history

Enter the Call center (press the Green key from standby or via the menu), use the Up/ Down navigator keys to scroll to the desired contact, press the green key to dial.

#### 5. Dial emergency service

You can directly dial the emergency service number without SIM card. Different networks use different urgency service numbers, so for details please inquire the network operation company.

### Receiving telephone

When there is an incoming call, the phone will give corresponding alert, if your network supports caller ID, the screen will display caller's name or number (depending on whether there is information of the caller in your phonebook).

1. Press the green key or press the Left soft key and

confirm [Answer] to answer the incoming call.

2. If function of [call center/call settings/Advanced setting/ Answer mode] is selected as [Any-key], press the any key to answer the incoming call except the Right soft key or the Red key.

3. If you do not want to answer an incoming call, press the Red key or the Right soft key [Reject] to reject it.

You can also press the Red key to end a call.

4. During a call, you can press the Up/Down navigator key to adjust receiver volume.

#### **Call in Menu**

During a call, press the right soft key can also open / close the Mute function, press the OK key can open/close the handfree function. Press the left soft-key into the options:

- **Swap\***: Is maintained in the current call and switch between calls

- **Conference\***:Into the multi-party conference call, you can follow the prompts to answer the waiting call, to add multi-session conference call will be maintained; and the party conference in private conversation, the call to keep all other parties; the parties to keep the party; the end of the current Calls and all calls remain.

- **Hold/Retrieve single call\***: The current call on hold or resume the call

- **End single call\***: end off the current call.

- **End all calls\***:end off the current call and the hold call

- **Transfer\***: the function need network support.

- **New call**: enter the dial-up interfaces.

- **Phonebook**: enter the phonebook list of interfaces.

- **Messaging**: access to the message menu.

- **Call history**: access to call history list.

- **Sound recorder**: record the current call.

#### **Note:**

**Recording of the call, in some countries is illegal.**

**Therefore, when you talk to Recording, should seek prior approval from the other party's consent.**

**-DTMF:**The dual tone multi-frequency switching operation ( a call, you press the keys on the keyboard, the audio signal will be sent to each other, for telephone banking, automatic answering machine, etc.)

**-Mute:** mute on or off, open the case in the quiet do not send local voice.

**-Volume:** you can press the navigation to adjust the call volume.

**Note:**

**Denotes menu items only appear in specific circumstances.**

**Such as: [Swap] exist only in the state of the phone and call the phone only appears to be suspended. At the same time for the conferencing, you need to the appropriate service provider to subscribe.**

### 3. Menu functions

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#### **Contacts**

The Phone for your well-prepared high-capacity phone storage space. You can use the phone's contacts feature to save the contact name, number and caller ring-tone. The phone can save 1500 phonebook records, SIM card number of records stored phone numbers vary because of their capacity.

Enter the contacts screen, there have three labels on the screen. press the left/right navigation key to switch the label.

#### **Add new contact**

**-To SIM:** New records added to the SIM, each name can only be stored under a number.

**-To Phone:** you can input name, number and set caller ring-tone. This Records stored in your phone.

#### **Quick search**

In order to facilitate you to quickly search the phone book to the desired number, the phone prompts you to quickly find features.

In the contact list interface, you press # key to switch input method, enter the contact name of the first characters to locate search.

After searching for the name, press the Green key to dial the number and press the Red key to end dialing.

#### **Browse contacts**

In the phonebook list screen, press the up / down navigation key to select the contact record, press the green key to dial the number in the record, then the red key to end the dialing. Press the OK Key to display the details of the selected record. In the phonebook list screen, select either the phonebook record, press the left key to perform the following operation:



- **View:** view the select
- **Send message:** send SMS to the select number
- **Call:** call the select number
- **Edit:** you can edit the select record
- **Delete:** Delete the select record
- **Copy:** this record can copy to "SIM" or "phone"
- **Move:** this record can move from SIM to phone, or move from phone to SIM
- **Send business card:** you can select the record as business card to send by SMS, MMS, Email or Bluetooth.
- **Add to Blacklist:** this record can add to blacklist.
- **Mark several:** you can mark one or several contacts to delete.
- **Phonebook settings:**
  - Speed dial: Add this number to the fast dial list. Set the speed dial feature, in standby mode press the corresponding number key, you can directly dial the number key corresponding to the speed dial number.
  - My number and Extra numbers: set this number to own number
  - Memory Status: Query "SIM", "phone" memory address book using status
  - Copy contacts: copy all contacts from phone to SIM, or from SIM to phone.
  - Move contacts: move all contacts from phone to SIM, or from SIM to phone
  - Delete all contacts: delete all SIM contacts or delete all phone contacts
  - Backup contacts: you can backup contacts to memory card.
- Add new group**

In phonebook list screen, press the right navigation key switch to the caller groups list, you can add caller groups and can edit groups ring, add or view members.

## **SMS**

Message service is a network dependent function, which allows you to send, receive and edit all kinds of messages. Please contact the network operator for more details.

### **Write message**

Edit a new message, save or send it to the recipient.

#### **Note:**

**To send SMS, you need to set the correct SMS service center number which can be obtained from network provider.**

While editing, press the # key to change input method, a text message can be up to 612 characters in length.

Press the OK Key, into add recipient interface, you can enter number and add from phonebook, you can add one number or more number, press the Left Soft key [Options] to select options when editing:

- **Send:** Enter the destination number is sent, or press OK into the address book to find the necessary records, you can confirmed and send.
- **Add recipient:** you can add recipient number.
- **Input method:** you can set input method accord you need.
- **Writing language:** you can set writing language.
- **Header info:** you can set the recipient is cc or BCC.
- **Add picture:** Insert picture in phone or memory card to MMS.
- **Add sound:** Insert audio file in phone or memory card to MMS.
- **Add Video:** Insert video file in phone or memory card to MMS.
- **Slide options:** Under this option add to the next page, add the page to the previous page and set the slide timing.
- **Switch to MMS:** can from SMS. swich to MMS

- **Advanced:** can select insert attachment and insert bookmark option

- **Save:** Save the edited message to the Drafts box

- **Details:** you can view the message type, pages .

#### **Inbox**

Received SMS/MMS messages can be stored either in phone or in SIM memory, and are accessed here.

When you have received a message, the tones or vibration to alert you and message mark will also be shown on the screen. Press the Left soft key [Read] or the OK key to read the new message, press the Right soft key [Back] to return, and you can also access the inbox to read the new message.

If the message memory is full, the indication "Memory full" and the message icon will be shown on the screen and flashed. Before you can receive new messages, delete some of your old messages in the inbox folder. If the capacity of new messages is beyond the capacity of the inbox, the information will be lost and incomplete.

In message list, press the OK key to read the selected message, press the Left soft key [Options] to make the following menu:

-**View:** view the current message

-**Reply:** Reply SMS/MMS to the message sender directly.

-**Call Sender:** Select to call the sender number

-**Forward:** forward the current message to other number.

-**Delete:** Delete the messages.

-**Delete all:** delete all messages in inbox.

-**Save to phonebook:** Save the information in the sender number to the phonebook.

-**Mark as read/unread:** select the unread/read message mark as read/unread.

-**Advanced:** you can copy or move the one message or all messages to phone.

**Drafts**

Not send SMS and MMS, will be stored in the mail within, the operation is the same with inbox

**Outbox**

Failed to send SMS and MMS, will be stored in the mail within, the operation is the same with inbox.

**Sent messages**

If SMS or MMS is sent successfully, then be stored in the sent messages box. Automatically save messages need to select [messages--message settings—Common settings—Save sent message], other operation is the same with inbox.

**Broadcast messages**

Broadcast message is sent by network operators, public information, this function needs the network operator support, please contact the network operator. Using the cell broadcast service, you can receive from the network operator information on various topics, such as weather, taxis, hospitals and so on. For information on available topics, please consult your local network operator.

**Templates**

The mobile built in ten piece common messages, you can directly use it, also can edit it according your request.

**Message settings****Text message**

Profile settings: You can choose either of modes, custom different parameters, including the model name, short message center number.

Validity period: you can set SMS validity period as one hours,6 hours,12 hours etc.

Message type: you can set message type.

Delivery report: Open the function, after a successful send text messages, the system will return to report.

Reply path: If the network allows, open the function, the recipient receives a text message, the system will send a

confirmation message.

**Preferred connection:** You can select prefer connection: GPRS or GSM.

**Voicemail server:** When you can not answer the phone, automatically incoming calls to voice mail number, you can let the other party to your message, a message stored in the network's voice mail system, and afterwards, you can access the voice mail system to listen to a message.

Into the voice mail sub-menu, you can see the current voice message (up to the establishment of two voice mail) Voice mail function needs the support of network operator, you may need to subscribe to the service. For details, please contact with the operator.

**Memory status:** can view the memory storage status.

**Save sent message:** open the function, After the success of SMS will be automatically saved in the Outbox.

**Preferred storage:** you can choose to give priority to messages stored in SIM card or mobile phone.

**Multimedia message**

**Data account:** Internet access account settings.

**Common settings:**

**Compose:** In the menu, you can set slide time, creation mode, signature set act.

**Sending:**

**Delivery report:** Select [On], when the recipient receives and download, the network will send a message to notify you (subject to network support); You can also choose [Off]

**Read report:** Select [On], then when the recipient read the MMS, you can choose to read the report sent to you(need network support), you can also choose [Off].

**Priority:** Priority Setting MMS.

Delivery time: you can set delivery time,immediate\1 hour later\12 hours later\24 hours later.

Send and save: open the function, After the success of MMS will be automatically saved in the Outbox.

**Retrieval:** In the menu, you can set home network\Roaming\Filters\Read report\Delivery report

**Preferred storage:** you can select preferred storage as phone or memory card.

**Memory status:** you can select phone or memory card to view Used status.

#### **Service messages**

**Enable push:** you can select accept all push messages or disable.

**Enable service loading:** you can select prompt, Auto launch or disable.

#### **Calls**

This phone can record all received, dialed and missed calls as well as their call time. Only when related function is supported by network and phone is switched on and in network service area, it can record the answered and missed calls. Call records may be accessed by pressing the Green key from standby or accessing through the menu.

Access the Call Center menu using the normal menu path, the submenus are as follow:

#### **Call history**

In the call history list ,press the left/right navigation key, switch to Display list of all /dialed/missed/received calls.

Once on the call records list, press the Green key to make a call; press the OK key to view the details of current call record; press the left soft key to make the following options:

- **View:** View the details of current call record.

- **Call:** call current record.

- **Send message:** send SMS/MMS to the select number
- Save to phonebook:** Store the number as a phonebook entry.
- **Add to blacklist:** The phone number is set to refuse to answer the phone, you can set the number after the [call center →call setting →Advanced settings →blacklist]
- **Edit before call:** Edit number before the call history
- **Delete:** Delete the current call record.
- **Delete all:** Delete all call records.

**Advanced:**

**Call timers**

View all time for the Last call time; Total received time; Total dialed time and all call time; and press the left soft key can reset all time.

**Call cost**

View all call cost for the last call ,total, max .etc, but the function need the network support.

**Text msg. counter**

The function will display the sent and received message counter.

**Gmail/Email**

Your cell phone for your built-in E-mail function, you do not take any action anywhere to view internal documents, e-mail through the mobile network, approval, reply, forward, etc. operating

**Browser**

The Internet is the combination of wireless communications and Internet application platform that enables you to get rich by phone and ecommerce and other Internet information resources application.

**Note:**

1. **Your ISP may not support some features, in**

order to ensure the normal operation of the browser, make sure your SIM card is supported and open Internet access.

2. If you browse the web, you need to charge fees related to traffic.

**Homepage**

This is the WAP settings you set in the homepage address, if you have no other set will have a direct connection to the phone pre-set or the default home page.

**Bookmarks**

In this menu, the display has all the bookmarks in the bookmark, you can add and save you frequently visit the site name and address for future quick access.

**Search or input URL**

Enter the need to access the WAP services, and URL addresses, complete, can be connected to the WAP site you want to connect. From the surface in the bookmarks, web history, other than to provide you a flexible way to access the network.

**Last web address**

Select this phone directly enter into the last pages

**Recent pages**

List of pages you have recently visited records to facilitate your browsing history in selected cases, can directly select [Enter] to access the page, the record could be deleted.

**Settings**

**Homepage:** Into the function, you can select default homepage or user-defined.

**Data account:** Into the function, you can set correspond SIM card data account.

**Browser options:** Clear the temporary buffer information and cookie, it's can avoid congestion and improve web browsing speed, periodically clear.



**Preferences:** You can set the appropriate parameters, including the display time, display pictures, cache and cookie.

**Restore browser settings:** Reset the browser parameter to default settings.

### **Opera**

The phone offers you the world's most popular free mobile browser, it can save you not only can you get traffic and computer-like browsing experience, make you more pleasant to use mobile Internet more easily

### **Settings**

#### **Phone settings**

##### **Time and date**

Set home city: You can choose a phone provided in the city as the current time zone of your location

Set foreign city: you can set foreign city.

Set time/date: Under this you can set the phone to the current date and time. The phone allows you to set the date range of calendar 2000 to 2030.

Set format: Under this you can set the time and date display format

##### **Schedule power on/off**

There are four switch time for you to edit, including the following items each time setting the timer on / off, power on / off and timing of the time and so on. When turned on and set to boot, set the time automatically when the power; when turned on and set off, then set the time when you are prompted to shut down.

Note: Time to set the same, can not be activated in order to avoid conflict.

##### **Language**

Under this you can choose the language provided by the

phone.

#### **Shourtcut keys Manager**

You can change the left and right soft key and navigation keys function corresponding to the shortcut in the idle screen.

#### **Display**

**Wallpaper:** The standby interface is used to set the background wallpaper.

You can choose from the built-in wallpaper can also be selected from File Manager image file.

**Screen auto lock:** Under this you can set the time to open or close the keyboard lock keyboard lock feature. Set the keyboard lock time, the idle screen, mobile phone within the set time the keyboard does not perform any operation, it will be automatically locked, then you can press the left softkey + \* key to unlock.

**Note: Keyboard locked and the backlight is off, to be selected button lights up the screen, then press the left softkey + \* key to unlock**

#### **Screen saver:**

Status: The following can be turned on or off the screen saver function

Waiting: This screen saver can be set to start the waiting time for 5S, 15S, 30S, 1minute

Select Screen Saver: This screen saver can choose the system default can also choose from other document management as a screen saver picture

**Power on display:** The animation can be set to boot, you can choose preset animation for mobile phones, but also into the File Manager, select the desired animation.

**Power off display:** The animation can be set to shutdown, set with the power on display

**Show date and time:** you can on/off the show date and time on idle screen.

**Clock type:** you can set the clock style on idle screen.

**Flight mode**

This optional mode in which the phone is normal mode or flight mode, flight mode if you choose, the phone can only use some of the functions of non-communications

**Misc. settings**

**LCD backlight:** Under this function can be left / right navigation key on the backlight to adjust the time

**Call settings**

Call waiting:

You can choose to Activate, Deactivate or Query status of this feature.

Activate this feature, if you call any other incoming call, the phone beeps, and the screen will display the caller number or name and call waiting information.

Call divert:

This feature allows you to play to your phone calls transferred to your voice mailbox or another phone number you specify. This function needs the support of network operator, please contact the network operator.

Transfer in the following ways, each way can be set to enable, disable, and query status. When turned on, the on-screen prompts to transfer the phone number.

Divert all voice calls: Transfer all voice calls to your settings in the phone number or voice mail

Divert if unreachable: When your phone is off or not on the network service area, the transfer of all voice calls to your phone number or set voice mail

Divert if no answer: No answer transfer all voice calls to your phone number or set voice mail

Divert if busy: When the call is busy, the transfer of all voice calls to your phone number or set voice mail

Divert all data calls: Transfer all the data calls to the phone number you set, this function is supported by the network operator, please contact the network operator.

Cancel all diverts: cancel all call forwarding type.

Call barring:

Set limits each case to answer or dial the phone. Network operators must first apply for international calling features, and limit access network password, to set the limit function.

This function needs the support of network operator, please contact the network operator.

Call restrictions can be set for activate, deactivate and query status

**Advanced settings**

Blacklist:

You can on or off this feature to edit the blacklist number, up to 20 numbers can be edited. Open the function, the blacklist numbers you call, the other shows you are on the phone, and your phone is in a state of no response.

Auto redial:

You can enable or disable this feature, the feature is turned on, after the dial-up, then if the other party does not answer the phone over a period of time will be automatically re-dial, redial the number up to 10 times, in this period, the user can not call any other phone, to end the re-dial, simply press the right soft key to cancel.

Call time reminder:

Can set the prompt type:

Off: When the phone call, no minutes of tone.

Single: Select 1-3000 seconds after the prompt enter either of the time, when you call the phone at the time when prompted.

Periodic: Select 30-60 seconds after the input in any one time, when you call for every minute the phone will be reminded of the time.

Auto quick end: open the function and set quick end time, when the time out, the call will auto end.

Reject by SMS

You can set to on or off the feature, the feature is turned

on, there is an incoming call, you can choose to reject and send a text message to the caller through the options menu

Answer mode:

Any key: Select the feature, all incoming calls, in addition to the red key and right soft keys, all keys can answer the call

Auto answer when headset: Enable this feature, when the phone is in headset mode, there are about 2 seconds after the incoming call, the phone will automatically answer the call.

#### **Data settings**

Network selection: Can be set automatically or manually select the network, select Automatic, the phone will be SIM card based on the network where the first selection, select Manual, you need to select the SIM card registered with the network operator can use the same network

3G switch: if you insert 3G card, according you need you can select the network mode :GSM, WCDMA or automatic.

Network information: you can view the current network information.

GPRS connection: you can select data connection mode: when needed or always.

#### **Security settings**

##### **SIM security**

You can use the PIN code, PIN2 code, set the boot password and set security features to protect information security.

PIN password (PIN1) is the SIM card PIN. If the user don't changes the password ,the original password is 1234 or 0000. If you enable the boot PIN code, then after

each start 4-digit PIN code is necessary to input, PIN code can be amended, to protect their SIM card is not used by others. Note that, if the input PIN code wrong three times, the phone card will automatically lock and unlock prompted to enter PUK code, this time close to the edge of danger, so if unauthorized modification of the PIN code, we must bear in mind.

PUK password (PUK1) from consists of 8 digits, which users can not change. PIN code when the phone is locked, and when prompted enter the PUK password, do not act rashly, because the PUK code input opportunities is only 10 times and if enter the wrong words for 10 times, SIM card will be permanently locked, that is scrapped. Part of the SIM card PUK code is never used when the user comes with the card, while the other part of the network operators will need to obtain the PIN code if you do not know the PUK code locked, do not random input, then the correct way is to call the SIM card hotline operators, after a simple user data are verified, you can obtain the PUK password to unlock the phone lock, the service is free of charge.

**Note: Please use this feature with caution, if forget PUK password, please contact the network operator. If input PUK code in error for 10 times consecutively , SIM card will be scrapped.**

PIN lock

Under this you can enable or disable PIN password, PIN code on or off are required to enter the correct PIN password. When open this feature, every time you turn the phone prompts you to enter the PIN password.

Change PIN

If the current PIN password is already open, you can make changes to the PIN password. First enter the old PIN password, after repeated twice to determine and identify new password.

#### Change PIN2

PIN2 ( PersonalIdentificationNumber2 ) password is to enter a particular function (such as setting a fixed number, set the call billing, etc.) to enter the personal identification number.

Pin2 password is provided by suppliers for SIM card to another password, used to qualify the dial personal identification password, Mainly used to eliminate the call cost information, set the phone calls and the billing currency unit, the cost limit function, limited dial-up ("Security settings "----" limited dial-up" can only be opened after the phone call which can be used to set the number and do not call this). My phone's SIM card predictive value is 12345. Pin2 after input error password 3 will be locked, needed Puk2 to unlock.

PIN2 password is used to set the phone billing. If you enter three times wrong, the phone will need PUK2 unlock password, the process described in the previous PIN password, PUK password the same. However, both the password and network SIM card billing and modify the internal data, it will not open, and even if PIN2 password locked, it will not affect the normal use of mobile phones. Thus, PIN2 password, and not to deliberately ignore PUK2 password.

**Note:**

**Please use this feature with caution, If input PUK code in error for 10 times consecutively, SIM card will be scrapped.**

Change operation with the PIN1.

#### Phone security

Under this password there you can set the phone to avoid unauthorized use of your mobile phone

Phone security

Under this you can enable or disable phone password,

phone password on or off are required to enter the correct phone password. When open this feature, every time you turn the phone prompts you to enter the phone password.

**Change password**

You can make changes to the phone password. First enter the old phone password, after repeated twice to determine and identify new password.

**Privacy Lock**

In order to protect the security of your phone, the phone privacy features developed for you, based on your needs, enter the function you need input phone password(initial password is 0000), you can turn on and set the project need to use privacy protection, including the phone book, information, tasks, phone records, file management.

**Connectivity**

You can choose the Internet account. You can add Internet accounts by yourself.

In the Internet interface, press [Options], you can do operations as followed:

Edit: Edit selected network count.

Add PS account: Mobile support 6 maximum data account. Every account to edit the information: account name, APN, user name, password, auth type, SIM selection, advanced settings etc.

Delete: delete the selected Internet account

Change default: select this function to restore default.

**Restore factory settings**

Reset the parameter value mobile phone, make your phone reset to default settings. Please enter a privacy password (initial password is 0000), restore factory settings.

**Sound effects**

You can set different audio effect and Bass enhancement.



### **Connected**

#### **Data accounts**

You can choose the Internet account. You can add Internet accounts by yourself.

In the Internet interface, press [Options], you can do operations as followed:

Edit: Edit selected network count.

Add PS account: Mobile support 6 maximum data account. Every account to edit the information: account name, APN, user name, password, auth type, SIM selection, advanced settings etc.

Delete: delete the selected Internet account

Change default: select this function to restore default.

#### **Java**

**Java:** Your phone possesses Java function with which you can download and install compatible Java games to your phone through network.

·**Java settings:** Set Java parameters.

·**Java default security:** Set the third party and entrusted domain parameters. And you can select [Restore settings] to set the parameters to the default.

#### **Camera**

Your phone is fitted with camera allows you to take photos whenever possible. You can store the pictures in phone or customize the wallpaper.

In the multimedia menu, select the camera into the camera preview screen, press the following keys can be set for the following cameras:

Press up/down navigation key to adjust [Focal distance]

Press left/right navigation key to switch camera and record.

Press the OK key to take photo, press the right soft key

to return, press the left soft key to option:

**EV:** press the left/right select EV.

**Switch to:** can directly switch from camera to video recorder/Photo album.

**Capture mode:** press the left/right navigation key to select capture mode as continuous shot, burst shot sel, smile shot

**Scene mode:** can set the photo mode as auto or night

**Image size:** press the left/right navigation key can set the image size.

**Other settings:** Press the left/right navigation key to adjust the following options, including Face detection, Self-timer, White balance, Effects, Storage, Image quality, Shutter sound, Anti-flicker, Contrast, Profile that is complete, press the left soft key or the OK key to confirm the current setting.

After taking pictures, press the back button to return camera preview screen, press the left soft key to enter options, can take pictures to Forward ,delete and Photo editor.

#### **Media**

Play the audio and video files saved in the phone or memory card.

In Audio playing interface, press the OK key to start/pause the current song, press the down navigation key to stop play, press the left/right navigation key to switch previous/next song; Long press the left/right navigation key to pull the progress bar forward or backward press the \*/# key to adjust the volume, press the up navigation key into the audio file list. In playing interface, press the red key or the right soft key to exit player interface, Phone into the background playing mode, while the idle screen shows the name of the music.

In Video playing interface, press the OK key to start/pause the current video, press the left/right navigation key to switch previous/next video, Long press the left/right navigation key to pull the progress bar forward or backward; press "1" key or the up navigation key to switch full screen, press the \*/# key to adjust the volume, press the down navigation key to stop play.

#### **FM radio**

FM radio is supported by the phone. You just pull the bottom of the antenna and need plug in your headphones to listen to FM Channel

In FM radio interface, press the OK key to open/close FM. press the up/down navigation key to to move forward /backward 0.1MHZ, press the left/right navigation key to switch channel according channel list, Press the \*/# key to adjust play volume. Press the right soft key or red key to exit FM radio, and FM plays in the background.

Press the left soft key to the option menu:

**Channel list:** Display channel list

**Manual input:** Manual enter frequency to identify, Radio interface automatically skip to the frequency to listen.

**Auto search:** Can auto search channel and save channel

#### **Settings:**

Background play: Phone back to the idle screen after Select the function, FM plays in the background.

Audio quality: set audio quality as high or Low.

Record storage: you can set record storage is memory card or phone.

**Record:** you can record the current play channel.

**File list:** View the record file list.

**Note: Quality of radio subscription is possible**

influenced by environment like indoor or under shield. You can improve this situation as following: stand closer to the window, adjust the position of earphone line or adjust the channel manually

#### **Images**

This feature is convenient for users to view the photos stored in albums, press the OK key to open the picture, press the left soft key to open the option menu:

**View:** open the current image to view.

**Image information:** can display the current image information.

**Edit:** you can open the select image to edit and save.

**Browse style:** can set to list style or Matrix style.

**Send :** Pictures can be selected through the "MMS""Email" or "Bluetooth" method to send.

**Use as:** The selected picture set to phone wallpaper, Screen saver, power on display, power off display.

**Rename:** Change the name of the selected picture.

**Delete:** Delete the select image.

**Sort by:** Can sort by name, Type, Time, Size, None

**Delete all files:** Delete all image files.

**Storage:** Can choose phone or memory card as the storage location

**Note:**

**When no pictures in Image viewer, the options menu only displays the browse style and storage.**

#### **Ebook**

You can read the \*.TXT format document by this function, after you have copied the TXT document into folder [File manager/Phone or Memory Card/Cool\_Ebook]. Select any Ebook, press the OK key to read. open the selected E-Book, press the navigation keys to view the ebook,

press the Left soft key into options menu to related operation:

- **Open ebook:** Read the document.
- **Global settings:** In this option, you can use the direction keys to do the following operations: Font size, Scroll by, Auto scroll, Scroll speed, Full screen, Encoding, Alignment, select storage (if inserted the memory card).
- **Book Info:** View the details of E-Book document.
- **Delete:** Delete the selected E-Book document.
- **Delete all files:** Delete all E-Book documents.
- **Sort by:** Sort the E-Book document by name, type, time, size or random.
- **Help:** Check helps information when you encounter difficulty.

#### **Recorder**

Enter the recording screen, press the left key into options menu:

New record: when you choose the function, start new record, In recording, press the left soft key to pause/continue record, press the right soft key to stop record, the screen will be prompted to save video, press the left soft key to save and return to the record screen, press the right soft key to not save and directly Back to the record screen.

Play\*: can play the current recording.

Rename \*: Change the name of the current recorder file

Delete\*: Delete the current recording.

List: Display recorder files list

Settings: you can set storage location and audio quality.

Use as\*: you can set the current recorder as coming call ring-tone.

Send\*: Can be current recorder through the "MMS" or "Bluetooth" method to send.

### **Editor**

Select this option, you can enter the file manager, select a picture or photo from a mobile phone or a memory card, press the left softkey following options operation: save as, send, add effect, add frame, add icon adjust rotate .etc.

### **Files**

In document management, you can open files in the Phone or Memory card, you can select file or folder to press the left soft key into [Options], you can do the following(Perform different file operations are also different, depending on the specific operation by the file):

- **Open**: open the file or folder.
- **New Folder**: the folder in the selected directory New Folder.
- **Rename**: you can rename the select folder.
- **Delete**: delete the selected file or folder.
- **Use as**: if the selected file is audio files, can set the file use as SIM incoming call; if the selected file is image file, can set the file use as wallpaper, Screen saver, Power on display or Power off display.
- **Search**: memory card can be customized to find all the documents.
- **Sort by**: can "name" "time" "size" "type" or "none" .
- **Send**: the select file can send by MMS or Bluetooth.
- **Copy**: you can copy the select file to other folders.
- **Move**: you can move the select file to other folders.
- **Details**: you can view the select file information.

Note:

Memory card as the default save path, order to facilitate the use of multimedia features, please copy the appropriate files to

Cool\_Music,Cool\_Ebook,Cool\_Photo, Cool\_Video.

**Bluetooth**

The phone supports Bluetooth, users can turn the feature on according to demand.

Bluetooth technology can connect electronic devices wirelessly. Because Bluetooth communicate by radio, so in your phone and another Bluetooth device do not need to in the opposite direction, please maintain the maximum distance that between two devices is not more than 10 meters during communicating. In some countries or regions may be developed within a number of provisions restricting the use of Bluetooth devices, please contact your local authorities.

**Power:** Press the OK key or the left soft key to open or close the Bluetooth function. If close some function, then you will end all the Bluetooth connection. Bluetooth connection will consume battery power, reducing cell phone operation time, when using the phone to perform other operations, please consider this factor.

**Visibility:** Press the OK key or the left soft key to switch on or off, if you select on, other Bluetooth devices can find the phone; if you select off, other Bluetooth devices can't find the phone.

**My device:** Select to add new equipment, search for Bluetooth devices within range of the signal. After the Bluetooth device is found, you can select the matching connections.

**Search audio device:** Search within signal range of Bluetooth hands-free devices, such as Bluetooth headsets.

**My name:** Display the Bluetooth device name of the machine can access to view and edit.

**Advanced:**

Audio path: set the audio path, is leave in phone or forward to Bluetooth headsets.

Storage: set storage location in phone or memory card.

My address: Display the Bluetooth device address.

#### **Calendar**

Choose to enter the calendar, the screen will display the system date on the calendar month, and have a background box marked the current date. Press the navigation key to select the date, calendar information on the screen will be updated accordingly.

Select any date, press the left soft key to enter options to the following:

**View:** View the details of the selected schedule, and re-editing of the operating schedule

**View all:** view all schedule

**Add event:** Create a calendar reminder, the default time is the date where the calendar highlights.

**Delete event:** Delete calendar

**Jump to date:** Jump the selected date.

**Go to today:** the date of the input query calendar information

**Go to weekly/monthly view:** can set the calendar display mode through week or month.

#### **Alarm**

You can use the phone as alarm clock, this feature allows you to set time arrives, make the phone ring or vibrate to remind issue.

When the alarm is turned on state, the alarm symbol is displayed in the top of the screen.

When the alarm clock for reminders, press the left soft key to terminate the alarm reminder, press the right soft key is the alarm clock to sleep.

The phone number of alarm clocks available, both in the off or silent mode, set the alarm clock function has been effective.

Select any of the alarm clock, press the left soft key or



OK key to the following:

- 1, can be turned on or off the selected alarm to open before the alarm clock icon will be displayed
  - 2, set the alarm, reminder time
  - 3, according to the time you need to set the alarm clock to remind the period of a day, week or custom to be reminded of a few days
  - 4, the selected option when the alarm time to remind ring-tone
  - 5, you can set the alarm time to remind the selected mode: ring and vibration, ring, vibration
  - 6, you can set sleep time
- Set the required entry, press the right soft key to save and return directly.

#### **World clock**

In this menu, press the left / right navigation key to view some cities in the world relative to the current time the phone correspond to time

#### **Notes**

This feature can be used as your notebook, the information can be recorded under the function

#### **Calculator**

Into the calculator, the calculator interface:

Press 0 - 9 numeric keys to enter the number to be calculated,

Press the navigation key to select the location on the screen corresponding to add, subtract, multiply and divide symbols for computing

Press the # key for a decimal point.

Press the left soft key to clear the last bit can be input or the result (no input figures, has withdrawn from the calculator function) Press the OK key to display the

results.

#### **Tasks**

This feature allows you to easily manage all tasks in working life, arrange and record your do in the future matters. When you scheduled a matter of time arrives, the phone will provide a tone with you to complete these pre-arranged matters, the use of the same calendar

#### **Convert**

This function can be selected weight or length unit conversion. Press the left / right navigation key to switch conversion unit conversion units selected, press the up / down navigation keys to select the unit field in either a Unit field enter numbers, press the left softkey on the other Unit field displays the conversion result

#### **Stopwatch**

The phone provide typical stopwatch and Nway stopwatch use for you.

#### **Profiles**

The phone provides you with five profiles: General, Silent, Meeting, Outdoor and My style. It's help you according to the different events and environments in different custom ring tones. according to different scenarios, choose a different profile, then you only need to personalize your profile and activate.

**Note: The factory setting various modes set has been done and has been the general pattern of the default start**

**Activate:** Start the selected profile.

**Customize:** You can set all kinds of effects to your own needs. In the Settings screen, press the down navigation key to move the highlight to the item needs to be set.

Alert type: Press the left/right navigation key to select: vibrate only, vibrate and ring, vibrate then ring or ring only.

Ring type: Press the left/right navigation key to select: Repeat, Ascending, Beep once

Incoming call: There are ten built-in ring tones to choose for you, and you may also to choose your favorite audio file as your ring-tone from file management.

Ring-tone volume: Press the left/right navigation key to adjust the ring-tone volume.

Message ring-tone: There are five built-in ring tones to choose for you, and you may also to choose your favorite audio file as your ring-tone from file management.

Message volume: Press the left/right navigation key to adjust the ring-tone volume.

Keypad: Press the left/right navigation key to select click, or tone.

Key-tone volume: Press the left/right navigation key to adjust the key-tone volume.

Power on/off: Phone preset five tones to choose for you, you can also choose silent to turn off the power on/off tone.

System alert: You can set whether to open system alert tone.

**Reset:** restore the default settings.

#### **SIM**

The phone supports value-added services provided by the SIM, different network operators to provide different types of services, and the menu is shown only if your SIM card supports. The name and contents of the menu depend on the available services. Ask your network availability, price, and information on the SIM card service operators Advisory

**Social Media Apps**

The phone built Facebook and Viber application for you to send free text messages, share photos and pin locations to your friends.

## 4. Input methods

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This phone provides diversified input modes for you to enter letter information when editing SMS and adding phonebook.

Use the # key to switch between different input methods.

When editing the key controls:

**The Right soft key:** Press to clear one character, long press to clear all.

**The End/Power key:** Return to the idle screen.

**[\*] key:** In every input status, press this key to call out punctuation and symbol input frame.

### **Smart ABC(abc) input method**

Smart ABC(abc) input method, the input method has association functions so that you can simply press each letter once to change the word order. Representatives of each key on the keyboard character, the input method will automatically compare phone language database, and select the correct word, so it needs more than the traditional input method saves time, smart input general methods of operation:

Every key is used to input its corresponding character and automatically change to compose word according to previous key's corresponding character. Fast and repeatedly press the Up/Down Navigator keys until your requisite character or word appear, and you can select it. You can press the left soft key to select the word or character, then press [0] key to confirm and enter the full word.

### **ABC (abc) input method**

Each key is used to input several characters. Fast and repeatedly press key until your required character appears.

When you need to input English punctuation and some special signs, press the [\*] numeric key to call out special

sign input box in English input status  
Press the [0] key to input blank once.

**The Numeric input method**

To input numerical values, press the respective numeric keys.

## 5. Phone maintenance

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-Mobile is a high-precision electronic products, please carefully maintained. The following suggestions can help you maintain phone, to extend the lifespan:

- Phone and its accessories should be placed out of the reach of children.
- Keep the device dry. Rain, humidity or moisture will corrode the circuit board. If the phone is accidentally flooded, shall promptly remove the battery, and immediately sent to a local authorized service center for processing.
- Do not place your phone in dusty places, this may affect the normal use of mobile phones.
- LCD display is easily damaged cell phone parts, mobile phone dropped onto the ground should be avoided or be strong vibration; prohibit the use of sharp objects to touch the screen.
- Do not place the phone where the temperature is too high. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt plastic shell phone.
- Do not place the phone where the temperature is too low. Otherwise, when the phone temperature to normal temperature, moisture will be generated internally, could damage the device electronic circuit boards.
- Do not drop, knock or severe shaking the phone, so as not to damage the internal circuit boards and precision mobile structure.
- Do not use chemicals, cleaning solvents or strong detergents to clean the device, apply a soft cloth soaked in soapy water and gently scrub.
- Do not use paint pigment cell phone to avoid moving parts and be stuck to proper operation.
- Use a clean soft lens cleaning cloth. Such as: camera

lens.

- Replacement antenna, use only the supplied or designated by the antenna. Use of unauthorized antennas, cell phone accessories or modifications, could damage the device and may violate regulations governing radio devices.



## 6. Accessories

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Use only batteries, chargers, and accessories approved by the manufacturer with this device. Use of any other types will invalidate the warranty and may be dangerous. Check with your dealer for available accessories. You may opt to buy:

### **Extra Battery**

Extra batteries of various capacities are available from our company or through your dealer.

### **Charger Plug, charger cable**

Charger plug used to connect with the charger cable for charging on wall outlets. Also you can use the charger cable to connect with the other devices such as the personal computers to charge the phone.

Charging time is about 2 to 3 hours. The charging condition is displayed on screen. You may use your phone while charging.

### **Earphone**

A mini, practical, hands-free device; you can use its button to answer and end calls. Some models may also come with a volume control knob.

Do not plug or unplug the earphone when connecting dialed or incoming calls.

Please to adjust the incoming call alert volume to the felicitousness before you plug in the earphone.

## 7. Safety Information

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### Use of the environment

In order to ensure that you use your cell phone rationally, avoid impacting you and environmental, please remember that when use the phone, you should abide the relational stipulate and byelaw in any place.

In any place where may lead to an explosion, such as gas stations, fuel depots, chemical plants or where blasting operations, please turn off your cell phone, and comply with all safety signs and instructions. Disobey the relevant stipulate may cause an explosion, causing personal injury.

Using cell phones on airplanes would interfere with aircraft flight operations and bring danger. Therefore, before boarding make sure to turn off your cell phone, and mobile phones throughout the flight to ensure that both are turned off.

When driving, the phone should be placed on the special bracket, do not put in the seat, or in the crash, slam the brakes may fall in place. Do not use mobile phones during driving, to ensure safe driving, to avoid traffic accidents. If you must use the phone, make sure that first stop the car and then use the phone.

Please put the phone away from high temperature to avoid cell phone battery temperature increases due to the explosion.

### Medical equipment

The express provision for the shutdown of electronic medical equipment (such as pacemakers, hearing aids and other medical equipment) near you close the phone. Most medical equipment is shielded phone to RF signals, but there are some electronic devices do not have this feature. Medical equipment in case of doubt or uncertainty whether shielded RF signals, please consult

your doctor or medical equipment manufacturers.

**Pacemaker**

Pacemaker manufacturers recommend that your phone and the pacemaker to keep the distance at least about 6 inches (15.3cm), so as not to interfere with cell phones on pacemakers.

**Persons wearing pacemakers:**

When your phone is switched on, the need to ensure that the distance between the phone and the pacemaker that maintain at least about 6 inches (or 15.3cm) or more.

Do not place your phone in a breast pocket.

Please wear a pacemaker using different side of the ear.

**Notice:**

If you suspect there is interference, please switch off phone immediately, and advice to the medical staff in time.

**Hearing aids**

Phone hearing aid may give some cause interference, if disruptive, please contact the manufacturer immediately and a hearing aid.

**Emergency call**

If your phone is turned off, please turn and check the network signal is strong enough.

- Input the correct local emergency number (such as the 120 emergency center), different regions with different emergency numbers.
- Press the call key to call.

**Notice:**

When dial an emergency call, please provide all the important information as accurately as possible. At this point the only cell phones may be the scene of communication, do not end the call without permission.

**Battery Charging Precautions**

The phones use lithium ion batteries to provide energy, both system environment, phone settings can affect the

standby and talk time of the phone. Please use Amoi companies standard batteries and chargers, the damage caused by using non-recognition of the company's battery or charger, the company does not bear the consequences. Turned on, the phone screen, the battery icon in the power bar starts scrolling.

**Notice:**

1. If the battery is completely discharged, the battery icon should appear after in charge 2 to 3 minutes. Generally based on the distinctness of current state of the phone (if boot, call, etc.), charging time is 2 to 5 hours.
2. To achieve optimal battery performance, please complete two or three times charge and discharge cycles of the battery. In initial charge of new battery, please charge more than 10 hours straight.

**FCC Caution.**

**§ 15.19 Labelling requirements.**

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.

**§ 15.21 Information to user.**

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

**§ 15.105 Information to the user.**

**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.

**Specific Absorption Rate (SAR) information:**

This Automotive Diagnosis Computer meets the government's requirements for exposure to radio waves.

The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health.

FCC RF Exposure Information and Statement The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. Device types: LAUNCH (FCC ID: 2ADA4PCDQBAR3G) has also been tested against this SAR limit. The highest SAR value reported under this standard during product certification for use at the **ear is** 1.23W/kg and when properly worn on the body is 1.56W/kg. This device was tested for typical body-worn operations with the back of the handset kept **1.5cm** from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a **1.5cm**

separation distance between the user's body and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

**Body-worn Operation**

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of **1.5 cm** must be maintained between the user's body and the handset, including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF



exposure requirements and should be avoided. Use only the supplied or an approved antenna.