



A780T
INSTRUCTION MANUAL

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ABELL INDUSTRIES CO., LTD



Thanks

Thank you for choosing ABELL DMR Digital Radio, we believe it is a wise choice to choose us because we have the latest technology, the most stable components, the most advanced production technology. ABELL radio will provide you with the reliable performance and high quality you demand.

This user manual apply to: Abell A780T



Safety Instruction

Please observe the following safety tips to prevent fire, accidents, personal injury or equipment damage.

- ▶ Do not modify the radio or its charger in any way.
- ➤ Do not expose the radio to direct sunlight for extended periods of time, or leave near heaters or other heat sources.
- ➤ Do not store or use unprotected radios for prolonged periods in areas of high dust or excessive moisture.
- ► Users may experience signal interference if the unit is used near devices such as TV or electric generators.
- ▶ If the unit emits smoke or you notice a strange smell, immediately turn off the power, and send it to the closest repair service station.
- ➤ The radios are small but contain high power. It is not uncommon to notice slight warming of the handset. This is normal and the unit may continue to be used.

If there is any problem with the unit, please contact ABELL or your local distributor.





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Turn on

Turn the Volume/Power knob clockwise to turn the radio on. (Some radios are programmed to emit a tone when powered on).

Turn off

Turn the Volume/Power knob anticlockwise to turn the radio off, you will hear a sound when the radio is turning off.

Volume adjustment

Press and hold down the squelch key off momentarily to hear the continuous beep and turn the volume/power knob to adjust.

Three way to choose channel

- Channel knob: rotate around the "channel choosing button" to choose the channel you need.
- 2. Channel button: choose the channel you need.
- Input: when the keyboard mode is the channel mode, you can directly input channel number to change the channel to your need.

Transmit and receive

Press PTT button, the two way radio will in the transmit state, the red light will turn on, ICD display will shows Release PTT button, the two way radio will in the receive state, the green light will turn on when receive voice data, LCD display will shows

ABELL Radios Quality Warranty and Liability

The warranty range and limitation

ABELL is committed to quality and stands behind its products.

ABELL will, during the warranty period specified for each product, repair or replace components that fail as a result of poor workmanship or materials. This warranty does not cover improper use or intentional damage.

The warranty policy not include the following conditions:

- Defects or damages caused by working in abnormal or unusual situations.
- Defect or damages caused by misuse, accident, or water submersion.
- 3. Defect or damages caused by unauthorized installation, repair, tampering or adjustment.
- 4. Warranty does not extend to cosmetic scratches or damages as a result of normal use or misue.
- 5. This warranty is void if:
- (a) the product information label on the back aluminum case is removed, or if the serial number is tampered with, changed, or cannot be identified.
- (b) If the battery case is damage, tampered with, or unsealed.

General Items

This warranty policy establishes the liability limits for which ABELL is responsible

ABELL has the right to decide, in their sole discretion, whether to repair, replace, or refund the purchase price of any equipment subject to this warranty. There are no other options available under this warranty. This express warranty is the complete agreement. OTHER THAN AS EXPRESSLY SET OUT IN THESE TERMS OR ADDITIONAL TERMS, NEITHER ABELL NOR ITS SUPPLIERS OR DISTRIBUTORS MAKE ANY SPECIFIC PROMISES ABOUT THE SERVICES OR PRODUCTS.



CONTENT

| Unpacking and device check | · 1 |
|--|-----|
| Accessory····· | · 1 |
| Battery information | - 2 |
| Battery protection | 2 |
| Battery Usage····· | |
| Battery charge | 3 |
| Preparation | 4 |
| Installing the battery | 4 |
| Assemble the antenna····· | . 4 |
| Assemble the belt chip · · · · · · · · · · · · · · · · · · · | - 5 |
| Disassemble the belt clip | ٠5 |
| Insert the earphone | - 5 |
| Function key | 6 |
| Charging the Battery | - 7 |
| Charger Indicator | - 7 |
| LED Indicator of Transceiver | - 8 |
| LCD icon····· | 8 |
| Charging the battery | - 9 |
| Charger Indicator | - 9 |
| LED Indicator of Transceiver····· | - 9 |
| Product operation instructions | 10 |
| Keybnoard Introduction | 10 |
| Working mode····· | 10 |
| User Mode····· | 12 |
| Safty information | 25 |

Unpacking and device check

Please take the radio out of the package carefully, and before abandon the package material, we advise you to check the accessories according to the following list. If any part is lost or damage, please give the claim letter to the carrier or deliverer.

Accessories

| Items | quantity |
|--------------------|----------|
| Antenna | 1 |
| Belt clip | 1 |
| Power supplier | 1 |
| Battery | 1 |
| Charger | 1 |
| Lanyard | 1 |
| Instruction manual | 1 |
| Warranty card | 1 |







Lanyard







Power supplier

Charger

1800mAh Li-ion battery





Battery information

Battery protection

ABELL radios use lightweight, environmentally friendly lithium batteries as a power source. The following battery tips will help you to get the best performance and prolong the battery life of your equipment.

- 1. Be sure to use the original ABELL charger to charge the battery.
- 2. When charging radios, please power off the radios to ensure battery can be fully and effectively charged.
- 3. New, uninstalled batteries can be stored for long period, but should be stored in a cool, dry place. (These should be recharged once every three months to maintain the battery's electrical properties, otherwise it will be damaged and will not function properly).
- 4. New batteries need to be fully charged before use.
- 5. Use only the battery charger and power supply specified by ABELL. Use of non-authorized charging systems will void the warranty of both the battery and the equipment.
- Avoid extreme temperatures as this will effect capacity of the battery.
- 7. The battery cannot be stored in hot or cold places, otherwise it will reduce battery capacity and useful life. The battery should always be stored at normal temperature, and radios equipped with cold batteries may temporarily not work, even if fully charged.
- 8. Do not let the metal stripes on the battery come into contact with metal objects (such as metal benches, pins, etc) as this may cause the battery to short circuit.
- Always dispose of old or damaged batteries In accordance with local recycling laws.
- 10. **NEVER** discard or expose batteries to fire, this will result explosion and serious injury or death.

Battery Usage

- 1. Do not use, install or attempt to charge damaged batteries.
- 2. Do not use batteries in any other equipment other than that which it is designed for.
- 3. Battery charging time varies and is determined by the remaining capacity of the battery and the battery and charger type. The battery can be repeatedly charged and discharged more than 300 times, but they will age with use. Aging will occur quicker when batteries are used for short periods and then recharged. Batteries should be allowed to fully discharge before charging to prolong battery life.
- 4. Batteries that are stored and unused discharged over time.

Battery charge

When the usage is very low, you can not use the radios.

- The battery should connect with the two way radios charge together or along. Please close the two way radios' power supply.
- 2. The charger indicator shows the charge state:

| Indicator | Current state |
|-------------------|--------------------|
| Red light flash | Waiting for charge |
| Red light glows | During charging |
| Green light glows | Charge complete |





Preparation

Installing the battery



Align the battery with the rabbet



Push and press down until "click" in

Assemble the antenna



Lift the metal cover, then press down the "lock" to release the battery to take the battery down.

Assemble the belt chip



Assemble: Fix the belt clip in the upper end of rear side with two screws until they are screwed down.

Disassemble the belt clip



Disassemble: Disassemble the two screws from the belt clip with a screwdriver

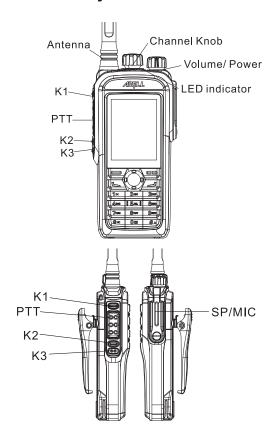
Insert the earphone



Open the rubber cover to insert the Earphone.



Function key



Charging the BatteryUse only the charger and battery specified by Abell. Charger LED can indicate the charging process.



Charger Indicator

| Indicator | Charge Status |
|-------------|---------------|
| Red flash | Standby |
| Red glows | Charging |
| Green glows | Fully charged |

LED Indicator of Transceiver

| Indicator | charge Status |
|------------------|--|
| Green glows 2-3S | starting up |
| Green glows | receiving signal |
| Green flash | received |
| Red glows | transmitting |
| Red flash | Battery low, will be issued a low battery beep, please charge or replace the battery as soon as possible to ensure that the product to maintain normal work. |





LCD icon

| Icon Name | icon Display | Status Description |
|-----------------------------|-----------------|---|
| Voice control icon | Ø. | voice control function |
| Emergency alarm icon | Δ | The radio is in an emergency alarm state or receives an emergency alarm. |
| | | |
| | | |
| Pattory nower icon | <u> </u> | Dianlay remaining bettery newer |
| Battery power icon | | Display remaining battery power |
| | <u> </u> | |
| | | |
| Transmitting indicator icon | ((<u>†</u> 3) | The radio is transmitting |
| Signal indicator icon | Yıl | The radio is receiving signal |
| | Ψ | No signal |
| Transmit power icon | L | Current channel power is low power |
| Transmit power icon | Н | Current channel power is high power |
| Speaker icon | ((a) | Squelch and speaker turned on |
| Monitor icon | d) | has enabled monitoring |
| Scan icon | 0 | The radio is in the scan state |
| Lock icon | 豆 | keyboard locked |
| Off-network icon | 4)(6 | The off-network function is turned on [some radios do not have this function] |
| Signaling icon | СТ | CT has been set to transmit or receive QT |
| | DN | DN has been set to transmit or receive DQTN |
| | DI | DI has been set to transmit or receive DQTI |

Charging the Battery
Use only the charger and battery specified by Abell. Charger LED can indicate the charging process.





Charger Indicator

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Product operation instructions

Keyboard Introduction

The A780T has four keyboard modes: frequency mode, channel number mode, DTMF mode, and call ID. Users can select different keyboard modes according to their needs, thus achieving simple and fast operation.

- Frequency mode: After the user selects the frequency mode, the frequency of the Radio can be written through the keyboard.
- Channel number mode: After the user selects the channel number mode, the required channel number can be directly written through the keyboard, and the Radio automatically jumps to this channel.
- **DTMF mode:** After the user selects DTMF mode, the user can input DTMF code through the keyboard.
- Call ID: After the user selects the call ID, the user can input a
 user ID number through the keyboard and then directly call the
 other party.

Working mode

The A780T has three operating modes: Computer mode, debug mode, and user mode. Each mode is entered in a different way.

Entry conditions for each mode:

| Mode Type | Button Description |
|---------------|--|
| Computer mode | Connect to Computer with write frequency cable |
| Debug mode | Enter the debug mode by CPS(the CPS determines whether to enter) |
| User mode | Automatically enters user mode when powered on. |

Computer mode

After booting, the Computer software is used to control the Radio to enter the Computer mode. In the Computer mode, only the read/write frequency and debugging operations can be performed. The contents displayed on the LCD are as follows: "Computer LINK"

Read From Radio

During reading, a progress bar shows the reading process "reading", the red light flashes When this process is finished, a "Read Successfully" window appears. The reading error display content: the middle "reading error", the orange light flashes, and there is beep.

Write To Radio

During reading, a progress bar shows the reading process "Writing...", the red light flashes When this process is finished, a "Write Successfully" window appears.

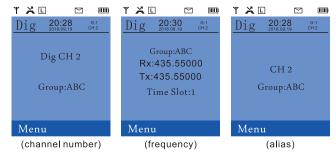
The reading error display content: the middle "Writing error", the orange light flashes, and there is beep.



User Mode

1.Power ON/OFF

Power on: Turn the [Power Switch/Volume Control Knob] clockwise to hear the "K" sound, the Radio is turned on, and if the power-on prompt tone is set, a power-on tone will be sounded to display the boot LOGO. The display mode selection is different and the content displayed on the display is different.



Then enter the receiving standby state.

Shutdown: Turn the [Power Switch/Volume Control Knob] counterclockwise, and hear a "beep" sound to display the shutdown screen. The Radio is turned off.

2. Switching channels

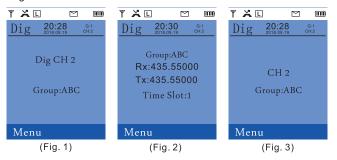
When you need to make a call on a certain channel, rotate [Channel Knob] or set the keyboard mode to input channel number mode, input the specified channel through the keyboard, if the channel broadcast function is enabled, you will hear the sound of the broadcast channel, on the LCD. The displayed content varies depending on the choice of display mode.

The display mode selection is shown in Figure 1 as the channel number; the channel mode is selected as the frequency shown 12



in Figure 2; and the channel mode selection as the alias is shown in Figure 3.

Figure:



3. Call operation

Transmitting: Press and hold the PTT button, the mouth is 3-5CM away from the MIC position, speaking to the MIC. screen display



Receiving: When the carrier is received, \P displayed. If no signaling or signaling is correct, the speaker emits sound. Adjust the volume knob to change the size of the sound. Note:

If the LED is on, but no sound is emitted, it may be incorrect signaling (such as CTCSS, DCS, color code, ID, etc.)





4. Programmable function key function

There are 4 programmable buttons, the function of which can be defined by software, called programmable button (K1, K2, K3, TK button). Programmable buttons can be modified by the CPS.

Programmable button function definition list

| Button | status | button assignment function |
|----------|----------------|---|
| K1 | Short Press | No function; emergency alarm; cancel emergency alarm; voice control; power switching; steady state monitoring [analog]; transient monitoring [analog]; steady state cancellation squelch [analog]; transient cancellation squelch [analog]; Talk Around; off-line; scan; one-touch call 1 (DMR); one-touch call 2 (DMR); one-touch call 3 (DMR); one-touch call 4 (DMR); broadcast local ID [number]; broadcast channel Number; broadcast power; |
| K2 K3 | Long Press | No function; emergency alarm; cancel emergency alarm; voice control; power switching; steady state monitoring [analog]; transient monitoring [analog]; steady state cancellation squelch [analog]; transient cancellation squelch [analog]; Talk Around; off-line; scan; one-touch call 1 (DMR); one-touch call 2 (DMR); one-touch call 3 (DMR); one-touch call 4 (DMR); broadcast local ID [number]; broadcast channel Number; broadcast power; broadcast battery power; broadcast channel type; serial port report (production version only); |

Key function description:

1.No function

No function definition, the button is invalid and there is an error tone.

2. Emergency alarm

Press this button to initiate an emergency alert, which is a typical associated function of the top button. (Only short buttons are supported, long buttons must be associated with emergency alarms off)

3. Cancel emergency alarm

Pressing this button allows the user to stop transmitting an emergency alarm, which is a typical associated function of the top button. (Only long buttons are supported, short buttons must be associated with emergency alarms)

4. Voice control

Use this function to turn voice control on or off

5. Power switching

Switch high power (H), low power (L) according to the function key programmed as "power switching"

6. Steady state monitoring [simulation]

If the button is pressed in the non-automatic reset state, it is in the listening state. Pressing the button again will exit the listening state.

7. Transient monitoring [simulation]

If the button is held down while in the non-automatic reset state, it is in the listening state. Release the button to exit the listening state.

8. Steady state canceling squelch [analog]

When the programmed steady state cancels the squelch button, the noise squelch is turned on; press again to cancel the squelch button to exit the noise squelch.

9. Transient canceling squelch [analog]

Noise squelch is turned on when the programming transient cancels the squelch button; the noise noise is released.

10. Talk Around

After the relay forwarding communication range is exceeded, press this button to start the Talk Around function. The radio frequency point temporarily becomes the relay downlink frequency point, which can partially keep the communication network working normally.

11. Scanning

Press this button to turn the scan function on or off

After pressing the programming scan button, there is a "beep" prompt to enter the scan. At this time, it flashes green, and after the button is pressed, it prompts two "beep" to exit the scanning state.

12. One-click call 1~4 (DMR)

Call the shortcut key, press the one-touch call to enter the quick call mode, and then press the PTT to send the corresponding call assist service function.



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5.Menu

1.Menu kev

Press the menu button to display the main menu interface, press the up and down keys, select the menu, and then press the menu selection button to confirm the selection.

Press the Cancel Back button to return to the previous interface.

2. The main menu contains the menu items in the following figure. The main menu items can be determined by the CPS.

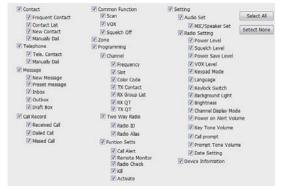


Back

Select



3. The submenus contained in the menu item are as follows: The submenu can also be set by the CPS. The following is just a rough framework, and the actual submenu may have a slight difference.



 $\label{thm:mem-contact} \mbox{Menu item--- contact: Select whether you can access the contact}$

list through the menu or initiate a call to the contact.

Option Description: Check, uncheck

Check: Users can access the contact list through the menu.

Default: check

Contains child common contacts, contact lists, new contacts,

manual dialing



Common Contacts: Set whether to display the "Common

 $Contacts" \ submenu \ item \ in \ the "Contact" \ menu \ of \ the \ Radio.$

End users can check through this submenu

Look at the "Common Contact List", you can also add, view, and delete frequently used contacts, and send "Supplemental Services" to frequently used contacts.

Option Description: Check, uncheck

Check: The "Common Contacts" menu item is displayed on the

Radio interface.

 $\label{thm:common contacts} \textbf{Unchecked: The "Common Contacts" menu item is not displayed}$

on the Radio interface.

Default: check

Contact list: All the set contacts are displayed through the menu. In this directory, press PTT to directly call the selected contact. Option Description: Check, uncheck



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Check: Show all contact lists.

Unchecked: Do not display the contact list.

Default: check

New contact: Select whether you can create a new contact through the menu. When the selection can be created, enter the contact list and select New Contact to contact.

Add a new contact to the list.

Option Description: Check, uncheck

Check: Users can create new contacts through the menu.

Unchecked: Users cannot create new contacts through the menu.

Default: check

Manual Dialing: You choose whether you can access the manual dialing function through the menu, that is, the user can enter the ID of the target by the panel key to initiate a call.

Option Description: Check, uncheck

Check: Users can enter the manual dialing function through the menu.

Unchecked: The user cannot activate the manual dialing function through the menu.

Default: check

Menu item Phone: Select whether you can access the phone function through the menu.

Option Description: Check, uncheck

Check: Users can access the phone function through the menu. Unchecked: Users cannot access the phone function through the menu.

Default: check

Contains Subitem, phone contacts, manual dialing



Menu item short message: The message is a text message service, and quick text messages can be sent between users. Users can edit messages to be launched or stored in the main In the machine, you can also receive text messages from other users.

Check: Users can access the information function through the menu.

Contains sub-items new short message, shortcut text, inbox,

outbox, draft box



New Short Message: Select this option to create a new information function through the menu. Each message can edit up to 256 characters or Chinese characters. user New information can be sent or saved on the host.

Check: Users can create new text information from the menu.





Unchecked: Users cannot create new text messages from the menu. Default: check

Quick text: You can choose whether you can access the predefined shortcut text information stored in the host (up to 25), when the user creates a new letter

You can choose to insert these template information.

Check: Users can access text information from the menu.

 $\label{lem:unchecked:Users cannot access text information from the menu.} \\$

Default: check

Inbox: The host can automatically save the received information in the inbox, it can store up to 20 pieces of the latest text information, select this option and use

Users can edit this information or forward it through the menu. Check: Users can access the outbox to view text information from the menu.

Unchecked: Users cannot access the Outbox from the menu. Default: check

Outbox: The host can automatically save the sent message in the Outbox, which can store up to 20 pieces of up-to-date text information.

Check: Users can view or send text messages from the menu access to the Outbox.

Unchecked: Users cannot access the Outbox from the menu. Default: check

Drafts: Users can save edited information in drafts for backup, up to 20 up-to-date text messages. Select this option Afterwards, the user can access the draft box to edit or send the

Check: Users can access drafts from the menu to edit or send text messages.

information through the menu.

Unchecked: Users cannot access drafts from the menu. Default: check

Menu item call record: Users can view the latest call record through this menu, users can choose to view through the menu Check: Users can view the call log through the menu.

Default: check

Contains child received calls, placed calls, missed calls



Received call: After selecting this option, the user can view the received call records from the menu (up to the latest 10 records can be stored) and can initiate call.

Check: Users can view the received call records from the menu. Unchecked: Users cannot view a call record from the menu. Default: check

Dialed call: After selecting this option, the user can view the outgoing call record from the menu (up to the latest 10 records can be stored) and can initiate call.

Check: Users can view the dialed call history from the menu. Unchecked: Users cannot view the dialed call history from the menu. Default: check





Missed calls: Users can view unreceived call records from the menu and can initiate calls without entering the contact list (up to the latest can be stored)

10 records).

Check: Users can view from the menu to the missed call record. Unchecked: Users cannot view missed call records from the menu. Default: check

Channel: This parameter allows you to configure whether the Channel option will be available in the radio's menu. It contains: Checked: The Channel option will be available in the radio's menu. Default: Unchecked



Frequency: This parameter allows you to configure whether the Frequency option will be available in the radio's menu. If you have checked it, the user can modify the value of the and via the menu.

Checked: The Frequency option will be available in the radio's menu.

Unchecked: The Frequency option will be unavailable in the radio's menu.

Default: Unchecked

Slot:This parameter allows you to configure whether the Slot option will be available in the radio's menu. If you have checked it, the user can modify the slot for transmission and receiving on the current digital channel. For details, please refer to the of the parameter.

Checked: The **Slot** option will be available in the radio's menu. Unchecked: The **Slot** option will be unavailable in the radio's menu.

Default:Unchecked

Color Code: This parameter allows you to configure whether the Color Code will be available in the radio's menu. If you have checked it, the user can modify the value of the color code of the current digital channel. For details, please refer to of the parameter.

Checked: The Color Code option will be available in the radio's menu.

Unchecked: The Color Code option will be unavailable in the radio's menu.

Default:Unchecked

CTCSS/CDCSS: This parameter allows you to configure whether the CTCSS/CDCSS option will be available in the radio's menu. If you have checked it, the user can modify the current and for the analog channel via the menu.

Checked: The TX CTCSSCDCSS and RX CTCSSCDCSS options will be displayed in the radio interface.

Unchecked: The TX CTCSSCDCSS and RX CTCSSCDCSS options will not be displayed in the radio interface.

Default: Unchecked

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Tx Contact Name: This parameter allows you to configure whether the Tx Contact Name option will be available in the radio's menu. If you have checked it, the user can modify the of the current digital channel via the menu.

Checked: The Tx Contact Name option will be available in the radio's menu.

Unchecked: The Tx Contact Name option will be unavailable in the radio's menu.

Default: Unchecked

Rx Group List: This parameter allows you to configure whether the Rx Group List will be available in the radio's menu. If you have checked it, the user can modify the of the current digital channel via the menu.

Checked: The Rx Group List option will be available in the radio's menu.

Unchecked: The Rx Group List option will be unavailable in the radio's menu.

Default: Unchecked

Channel Alias: This parameter allows you to set whether the "Channel Alias" option is included on the radio menu. If included, radio user can modify the channel alias through radio menu. Checked: The Channel Alias option is included on the radio menu. Unchecked: The Channel Alias option is not included on the radio menu.

Default: Unchecked

Note: This parameter is available only when "channel" parameter is selected.

Safty information



This manual provide you with safe and ease instruction warnin for our ABELL portable two-way radio.

Operation and Electro mognetin exposures

Press PTT(push to talk), hold the radio in a vertical position with the microphone 2.5 to 5cm(1 to 2 inches) away from the lips. And make the antenna 2.5cm away from your head or body when transmit.

Electromagnetic interference (EMI) /Electromagnetic compatibility

Note: All electronic device will be influenced by EMI if no proper electromagnetic compatibility design was adopted. Close the radio if the airline required when in the plane. And commit to the airline's requirements when using the radio in the plane.

Operation warning

Car with safty air bay restraint system Don't put the portable radio on the top or in the range of the car air bag for fear of hurting when the air bag is open suddenly

Environment with explosion risk

Please turn off the radio in the environment with explosion risk, unless your radio has gotten the FM or Cenelec Certificate. In such environment, even little electric spark can lead to explosion, fire, damage or death.

Batterv

Don't change or charge the battery in the environment with explosion risk. Since it may cause flames and leads to Explosion.





In the blast area or area with detonator

Please turn off your radio in advance when you are near from the In the blast area or area with detonator.



Operation instruction

Damaged antenna

Stop using the damaged antenna. The damaged antenna may burn your skin when using it.

Battery

If any metal conductor such as jewelry accessory, keys or necklace touch battery's electrode, that may cause fire, heat to hurt people. Be careful when putting the fully charged battery in the pocket, leather case or other container with metal.

Radio's maintainance

- 1.The chemical material such as alcoholic, petroleum will hurt the radio surface.
- 2.Please take the radio softly, do not pick the radio by griping the antenna, which may easily break the antenna.
- 3.Please close the dust proof cover to protect the Microphone/ speaker jack while not using accessory.
- 4.Clean the surface of the radio with wet cloth and make sure that no water enter it.
- 5.Unrecognized accessories may damage the radio and in this case our warranty will be unavailable.





FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and can radiate radio frequency energy. If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. Verification of harmful interference by this equipment to radio or television reception can be determined by turning it off and then 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 different circuit to that of the receiver's outlet.
- Consult the dealer or an experienced radio/TV technician for help.

Operation is subject to the following two conditions:

- · This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

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

RF Exposure Compliance and Control Guidelines and Operating Instructions

To control your exposure and ensure compliance with the occupational/controlled environmental exposure limits, always adhere to the following procedures.

Guidelines:

- Do not remove the RF Exposure Label from the device.
- User awareness instructions should accompany device when transferred to other users.
- Do not use this device if the operational requirements described herein are not met.

Operating Instructions:

- Transmit no more than the rated duty factor of 50% of the time. To transmit (talk), push the Push-To-Talk (PTT)
 key. To receive calls, release the PTT key. Transmitting 50% of the time, or less, is important because the radio
 generates measurable RF energy only when transmitting (in terms of measuring for standards compliance).
- Keep the radio unit at least 2.5 cm away from the face. Keeping the radio at the proper distance is important as
 RF exposure decreases with distance from the antenna. The antenna should be kept away from the face and
 over.
- When wom on the body, always place the radio in a approved holder, holster, case, or body harness or
 by use of the correct clip for this product. Use of non-approved accessories may result in exposure levels which
 exceed the FCC's occupational/controlled environmental RF exposure limits.
- Use of non-approved antennas, batteries, and accessories causes the radio to exceed the FCC RF exposure guidelines.
- Contact your local dealer for the optional accessories of the product.