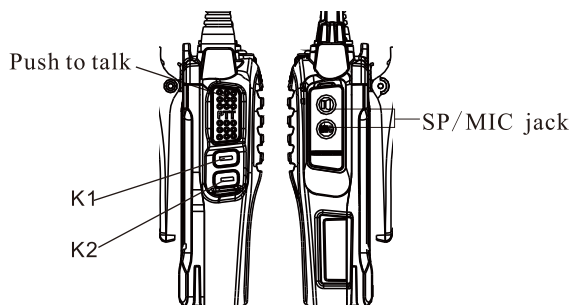
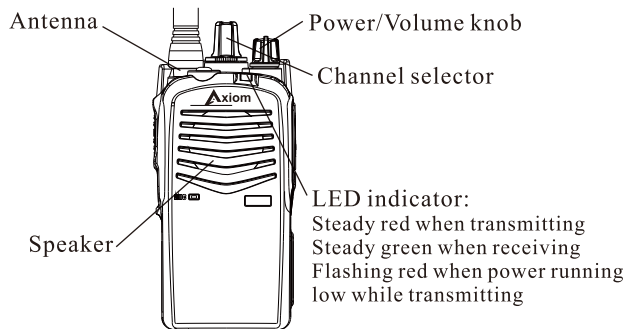


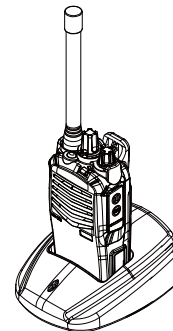
Function key



K1, K2 are Programmable keys which can be defined to have functions such as scan, alarm, TOT, VOX, etc. by software.

Charging

Please use original Axiom charger to charge the battery, schematic diagram of charging below.
battery should not be left in the charger for the extended period after it had been charged



Indications:

Steady yellow	Ready to be charged
Steady red	Rapid charging
Steady green	Fully charged

LED Indications:

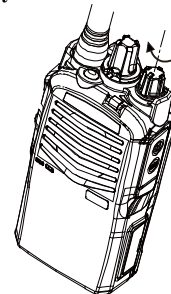
Indicator status	Radio
Green light on 2-3 seconds	powering on
Steady Green Light	receiving
Green Light Flashing	Signal Received
Steady Red light	Transmitting
Red light Flashing	Battery running low while transmitting

Programmable keys Function:

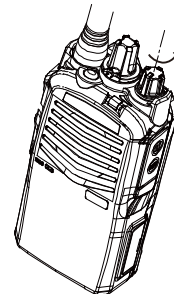
Press Key		
K1	Long press	No Function, alarm, TOT, VOX, Emergency Call; Stable Monitoring (Analog); scanning; Squelch on: squelch off; one key calling 1-5 (DMR); Channel annunciation; Power annunciation; capacity annunciation; channel type annunciation; User ID annunciation
	Short press	No Function, alarm, TOT, VOX, Emergency Call; Stable Monitoring (Analog); scanning; Squelch on: squelch off; one key calling 1-5 (DMR); Channel annunciation; Power annunciation; capacity annunciation; channel type annunciation; User ID annunciation
K2	Long press	No Function, alarm, TOT, VOX, Emergency Call; Stable Monitoring (Analog); scanning; Squelch on: squelch off; one key calling 1-5 (DMR); Channel annunciation; Power annunciation; capacity annunciation; channel type annunciation; User ID annunciation
	Short press	No Function, alarm, TOT, VOX, Emergency Call; Stable Monitoring (Analog); scanning; Squelch on: squelch off; one key calling 1-5 (DMR); Channel annunciation; Power annunciation; capacity annunciation; channel type annunciation; User ID annunciation
K3	Long press	No Function, alarm, TOT, VOX, Emergency Call; Stable Monitoring (Analog); scanning; Squelch on: squelch off; one key calling 1-5 (DMR); Channel annunciation; Power annunciation; capacity annunciation; channel type annunciation; User ID annunciation
	Short press	No Function, alarm, TOT, VOX, Emergency Call; Stable Monitoring (Analog); scanning; Squelch on: squelch off; one key calling 1-5 (DMR); Channel annunciation; Power annunciation; capacity annunciation; channel type annunciation; User ID annunciation

Main function and basic operation

Turning your radio on and off



on



off

Turn the Volume/Power knob clockwise to turn the radio on and anticlockwise to turn off.

A prompt tone will be announced after power on if the radio is pre-programmed to have prompt tone, otherwise, no prompt tone.

Volume adjustment

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

Push-to-talk operation

Switch the channel selector to the channel needed.

Transmit: Hold the radio in a vertical position with the microphone 2 cm away from your lip, press PTT, speak to the MIC.

Receive: The LED Indicator turns in green when receive signals, while the speaker making sounds. Adjust Volume knob to change the audio volume.

Private Call: one radio makes a call to another radio.

Group Call: The system allows groups of radios to remain muted

while other users are talking on the channel.

All Call: The all call means one radio calls to all the other radios which at the same channel.

Digital Channel calling

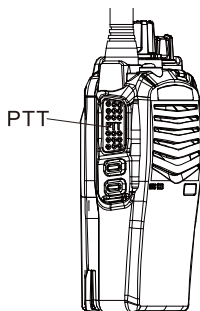
You can do private call, group call and all call (The authority right of all call has to be opened by Agent).

The operation method is the same of each call, the difference is that: When a Group Call is received, you hold down the PTT key within the preset time period to call back; When a private call is received, you can hold down the PTT key within the preset time period to call back; You cannot respond to an All Call. Take single call user A and B for example, operation process as below:

- 1) A and B select the same digital channel
- 2) A press PTT to launch a call
- 3) LED indicator turn in red, A speak to the MIC, release the PTT after speaking.
- 4) B can receive the call without any operation; the LED is green during the broadcasting.
- 5) The operation of B calling back will be the same above.

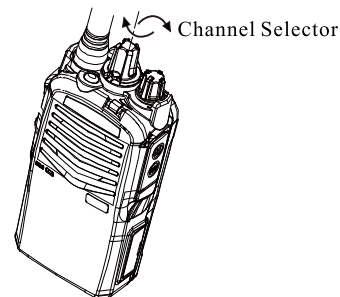
Analog Channel Calling

The difference is that the call object is every radio on the channel, not the contacts who related to signal.



Select Channel

Rotate channel selector to choose channel. A prompt tone will be announced after opening the channel annunciation function. If you hear “Dee” continuously which indicate that the channel has been programmed.



Output Power levels

Function description:

When people talk about a power supply's output, they usually say it produces a certain number of watts. The more watts a radio has, the farther it can transmit.

When a 2-way radio is used in for short range communication, it's always best to use the low power mode. The high-power mode should be reserved for long-range communication, or for when there are lots of obstacles to penetrate

Value range: Low power/High power

Default value: Low Power

Power rating table

Power Levels	Wattage
High Power	VHF4W UHF5W
Low Power	1.5W

Operation method:

Define the programmable key to adjust High/low power modes.

Time out timer (TOT)

The purpose of TOT is to prevent any user from occupying a channel for an extended period. If the preset time expires, the radio will automatically terminate transmission and keep beeping. To stop beeping, please release the PTT key. You must wait for a certain time period (preset by your dealer) to initiate another transmission.

Operation:

Use the Axiom programming software to set this feature. The default time is 60 seconds.

Busy channel lockout

Set or delete the function of busy channel lockout in the channel parameter by software. When the function is enable, no transmitting is permitted in the busy channel. The radio will have a beep sound to inform that the channel is busy when you press PTT. To stop beeping, please release the PTT key. When the channel is free, you can press and hold down the PTT key to transmit.

Scanning

This feature allows you to listen to communication activities on other channels so that you can keep a close track of your team members.

Operation:

1. To enable the feature, press the programmed Scan key in standby mode; or Switch to a channel on which the feature “Auto Scan” is enabled via the programming software.
2. After the feature is enabled, your radio will scan according to the channel list set for the channel on which scanning starts. The scanning process is as follows: During scanning, the LED flashes red.

When activities are detected on a channel, the radio will stay on the channel to receive current activities, and the LED glows green.

To disable this feature, press the programmed Scan key again.

One Key calling

One key calling function including SMS, Voice call.

Operation:

To enable the feature, press the programmed key, then hold the PTT to launch the call.

Adjust Squelch Level

This feature allows you to adjust the squelch threshold required for the radio to unmute. Generally, “High” is used in high noise environment. Higher squelch level requires stronger signal for the radio to unmute.

Operation:

Press the programmed Adjust Squelch Level key to switch among Normal, High and Low.

Monitor

To receive the weak signal, you can enable the feature “Monitor”.

Operation: Press the programmed Monitor key to enable the feature. To disable the feature, press this key again.

CTCSS/CDCSS Function

CTCSS is a circuit that is used to reduce the annoyance of listening to other users on a shared two-way radio communications channel. It is sometimes called tone squelch.

CDCSS is a circuit that is used to reduce the annoyance of listening to other users on a shared two-way radio communications channel. Where more than one user group is on the same channel, CDCSS mutes the other users if they are using a different CDCSS tone or no CDCSS.

Operation: Use the Abell programming software to set this feature.

Squelch Off

If the feature “Squelch Off” is enabled, the speaker will keep unmuted no matter whether carrier is present.

Operation:

Press the programmed Squelch Off key to enable the feature, and the radio sounds background noise. To disable the feature, press this key again.

Hold down the programmed Squelch off Momentary key to enable the feature, and the radio sounds background noise. To disable the feature, release this key.

Emergency Call

Press the Emergency Key to enable this feature, which k3 is always programmed as this feature.

(Only can be set with short press, hold down has to be defined as disable Emergency Call)

Disable Emergency Call

Hold down the Emergency Key to enable this feature, which k3 is always programmed as this feature.
(Only can be set with hold down, press has to be defined as Emergency Call)

Digital Channel Information

Group Call maintained Time

Users can extend group call status after calling by setting this feature via programming software. During this period, each member of this group can call back directly.

Private Call maintain Time

Users can extend group call status after calling by setting this feature via programming software. During this period, each unit can call back directly.

Receiving Groups List

This feature allows users receive several different groups calls on one Digital Channel.

Transmitting Groups List

Select the people you want to call from the contact list.

DMR

DMR uses TDMA technology which allows two simultaneous conversations within a 12.5kHz Channel without any interference.

TDMA Direct Mode

Under TDMA direct mode one channel allows two simultaneous conversations.

Safety Information

Safety and convenient operation

This document provides users security and convenient to use Axiom Radios information.

If you need to know how to use the radios in a hazardous environment, please refer to the operate manual and instruction identified by the factory, the radios with this instruction card what with this function.

In order to ensure the user is always keep it in the above criteria and guidelines to allow it in range of the electromagnetic energy security please hold on the flowing operating procedures.

Radio operating and electromagnetic exposure When the portable radios transmitting, keep it in vertical position, keep the distance between the speakers and mouse about 2.5-5 centimeters. Also make the radio antenna away from the body or the head about 2.5-5 centimeters when transmitting. If you keep the radios on users body, please confirm that when the radio is transmitting, keep the distance between the body and the antenna about 2.5-5 centimeters.

Electromagnetic interference/electromagnetic compatibility

Notice: If you do not take proper EMC compatibility protection, by design or EMC or internal structure design to ensure EMC compatibility, Almost all electronic devices are affected by electromagnetic interference.

In order to avoid the effect caused by electromagnetic interference or electromagnetic compatibility, please notice, wherever there is a mark “please shut down the radio”, please comply with it, for example, hospital will use some of the RF energy sensitive equipment in hospitals and other health facilities.

If required to shut down the radio when you take airplane, please comply with it, please keep aware of the provision and the indicating when you use the radio on the airplane.

Operating warning

Cars with airbags

Do not put the radios on the airbags or the region it may reached when the airbags spread out, if it is in the region may reached when the airbags spread out, the radios may hurt people following the airbag spread out.



Potentially explosive environment

If you are in the any potentially explosive environment, please shut down the radios, unless your radios were passed the special authenticate (such as FM or Cenelec certificate), in that environment, electric Spark could cause an explosion or fire, Resulting in bodily injury or even death.

Battery

Please do not change the battery or charge the battery when you are in the potentially explosive environment, it may result in explosion when you install or disassembly the batteries.

Blast area or Area with detonators

The environment close to blast area or area with detonators please shut down the radios in advance, in order to avoid the possibly explosive, in blast area or other area with the mark that “please shut down the radios”, be sure to comply with the relevant provisions.

Notice: Potentially explosive atmosphere environment mentioned include fueling areas, such as: the ship's hold, Fuels and chemicals transport facility and storage sites, with chemicals or dust in the air, the area usually are reminded of shut off the engines, there always with the warning sign in the potentially explosive environment, but not necessarily.

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.



This device complies with 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.

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

- This radio is designed for and classified as “Occupational/Controlled Use Only”, meaning it must be used only during the course of employment by individuals aware of the hazards, and the ways to minimize such hazards; NOT intended for use in an General population/uncontrolled environment
- DO NOT operate the radio without a proper antenna attached, as this may damage the radio and may also cause you to exceed RF exposure limits. A proper antenna is the antenna supplied with this radio by the manufacturer or an antenna specifically authorized by the manufacturer for use with this radio
 - DO NOT transmit for more than 50% of total radio use time, more than 50% of the time can cause RF exposure compliance requirements to be exceeded
- This transmitter may operate with the antenna(s) documented in this filing in Push-to-Talk and body-worn configurations. RF exposure compliance is limited to the specific belt-clip and accessory configurations as documented in this filing and the separation distance between user and the device or its antenna shall be at least 2.5 cm from front face and 0cm from body.