WalkieTalkie, FRS

User Guide
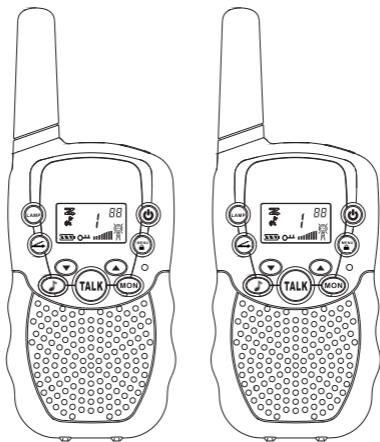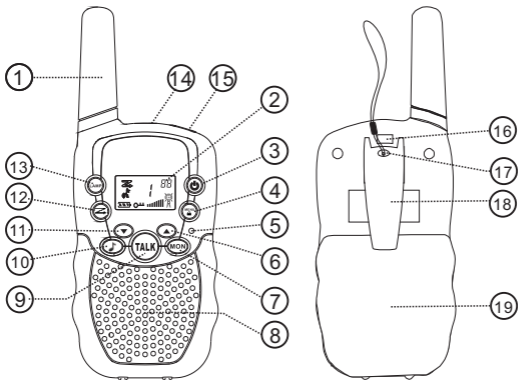
US

1. Antenna
2. Backlit LCD Display
3. Power Button
4. Menu/Lock Button
5. Microphone
6. Up Button
7. Monitor Button
8. Speaker
9. Talk Button
10.CALL Button
11.Down Button

12. Scan Button
13. Lamp Button
14. External Speaker/
    Microphone/Charge
    Jack
15. Lamp
16. Battery Door Latch
17. Wrist Strap Connection
18. Belt Clip
19. Battery Compartment

Features

• **99 Privacy Codes**
(38 CTCSS codes/61 DCS codes)

• **Hands-Free Operation
(VOX)**

• **Scan**
Channels

• **Backlit LCD Display**

• **Call Alert**
Ten selectable tones

• **Button Lock**

• **Speaker/Microphone/
Jack/Charge Jack**

• **Roger Beep**
Selectable On/Off

• **Battery/Power Saver**

• **Keystroke Tones**
• **Battery Level Indicator**
• **Low Battery Audible
Alert**
• **Auto Squelch**
• **Belt Clip**

Backlit LCD Display
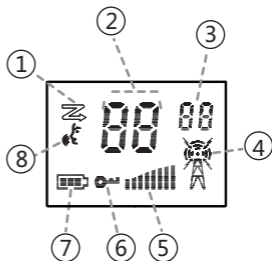
1. Scan Icon
2. Channel Numbers
3. DCS/CTCSS Privacy
   Code Numbers
4. Receive/Transmit Icon
5. Volume Level
6. Lock Icon
7. Battery Level Indicator
8. VOX Icon

Maximum range may vary and is based on unobstructed line-of-sight communication under ideal conditions.

Installing Batteries

To install or replace batteries:

1. Remove the belt clip by pulling the tab and sliding it up.
2. Slide and lift the battery compartment cover. Insert 4 "AAA" batteries with correct polarity into per radio.
3. Put the battery cover back into place. Snap the lock tab and belt clip back into place.

（**Note**：**Please remove the batteries if the units are not used for a long time**）
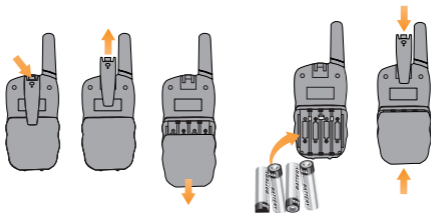
1. Do not mix old and new batteries
2. Do not mix alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium) batteries.
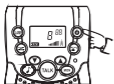
Quick Start

1. Press and hold the Power button to turn on your radio.
2. Press the Menu, Press the Up or Down button to select a channel.

Both radios must be tuned to the same channel/privacy code to communicate.
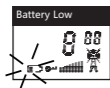
3. Press and hold the TALK button while speaking into the

Turning on Your Radio

Press and hold the Power button until you hear a series of audible tones indicating the radio is on.Your radio is now in Standby mode,ready to receive transmissions. The radio is always in Standby mode except when the TALK, Call or Menu/Lock buttons are pressed.

Battery Low

When battery power is low, the final bar in the Battery Low icon will blink and an audible tone will sound twice before the radio shuts off. Your batteries should be replaced or recharged, if using rechargeable batteries.

The radio will display flashing battery icon while charging.

For charging radios (Power Supply/Batteries:**Non-standard configuration,Purchase options**)
1.To charge a single radio, simply insert the connector directly into the charge jack located on the bottom of the radio. The radio will display flashing battery icon while charging. Recommends your radio be turned off while being charged.

Auto Battery Save
If there are no transmissions within 3-6 seconds,the radio will automatically switch to Battery Save mode and the Power Saver icon will displayed. This will not affect the radio's ability to receive incoming transmissions.

Communicating with Another Person

1. Press and hold the TALK button.
2. With the microphone about two inches (2.5-5 cm) from your mouth, speak in a normal voice.
3. Release the TALK button when you are finished talking and listen for a response.

You cannot receive incoming calls while pressing the TALK button.
Both radios must be tuned to the same channel/privacy
code to communicate.

To Select a Channel
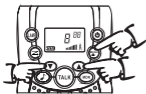
With the radio on, select any of the channels by
pressing Menu and the Up or Down button.
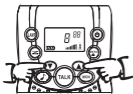Both radios must be tuned to the same channel to
communicate.

Listening for a Response

Release the TALK button to receive incoming
transmissions. Your radio is always in Standby
mode while the TALK or Call buttons are not pressed.

To Adjust Volume

Press the Up or Down button at the standby mode.
A double beep sound is used to indicate And you
can always find the volume level indicator in the
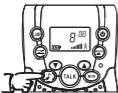lower right corner of the screen.

Flashlight
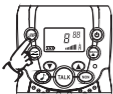
The radio is equipped with flashlight function, which
will bring a lot of convenience in the dark.
Press "LAMP" button to turn the flashlight on. And the
process to turn it off is the same as turning it on, just
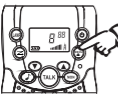press "LAMP" button, that's it.

Call Button

Press and release the Call button.
The other person will hear a two second call tone.
This tone is used only to establish voice communications. See page 8 on how to select between ten call tone settings.

Lock Function

The Lock function locks the Up, Down and MENU buttons to prevent accidental operation.
To turn the lock on or off:
– Press and hold the MENU/Lock button for three seconds.

Lock Icon

A double beep sound is used to confirm your lock on or off request. When in Lock mode, the Lock icon will be displayed.

Scrolling Through the Menu Function

By scrolling through the MENU function, you will be able to select or turn on preferred features of your radio. When scrolling through the Menu function, your radio features will be displayed in the same predetermined order:

Set Channels
Set CTCSS Privacy Codes/DCS Privacy Codes
Set Vox Sensitivity/Off
Set Call Tones 1-10
Set Key Tones On/Off
Set Roger Beep On/Off

Privacy Codes

Your radio incorporates two advanced coded squelch systems that can help to reduce interference from other users on any given channel. CTCSS (Continuous Tone Coded Squelch System) provides 38 privacy codes and DCS (Digitally Coded Squelch) provides 61 privacy codes. This provides a total of 99 Privacy Codes. Either system can be used on all channels, but both systems cannot be used on the same channel at the same time.

To successfully communicate using a privacy code, both the sending and receiving radios must be tuned to the same channel and to the same privacy code system (CTCSS or DCS) and privacy code number. Each channel will remember the last privacy code system and number you select.

The privacy code 00 is not a privacy code, but allows all signals to be heard on a channel that is set to 0F on both the CTCSS and DCS systems.

Set CTCSS/DCS Privacy Codes

To select a CTCSS privacy code:

1. After selecting a channel, press the Menu/Lock button until the small numbers of the CTCSS/DCS flash on the display (CTCSS:01 through 38, DCS: 39 through 99).

2. Press using the Up or Down button to select a privacy code. You can hold the Up or Down button for fast advance.
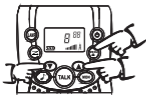
3. When your desired CTCSS privacy code is displayed, choose one of the following:

a. Press the Menu/Lock button to enter the new setting and proceed to other functions.

b. Press TALK button to enter the new setting and return to Standby mode.

Voice Activated Transmit (VOX)

In VOX mode, your radio can be used "hands-free," automatically transmitting when you speak. You can set the VOX sensitivity level to fit the volume of your voice and avoid transmissions triggered by background noise.

The current VOX sensitivity level is displayed with letters " 🎤 " and a Number 1 through 3, with Number 3 being the most sensitive level and Number 1 being the least sensitive level.

2. Press the Up or Down button to change the setting.

3. Choose one of the following:

a. Press the Menu/Lock button to enter the new setting and proceed to other functions.

b. Press TALK button to enter the new setting and return to Standby mode.

To turn VOX mode off:

1. Press the Menu/Lock button until the VOX icon on the display.

2. Press the Up or Down button to turn VOX Off. The current ″0F" setting is displayed.

3. Choose one of the following:

a. Press the Menu/Lock button to enter the new setting and proceed to other functions.

b. Press TALK button to enter the new setting and return to Standby mode.

Ten Call Tone Settings

You can choose between ten different Call Tone Settings to transmit a call alert.

To change a call tone setting:

1. Press the Menu/Lock button until the letter "CA" and the current call tone number (01 through 10) is displayed. The current call tone will sound for two seconds.

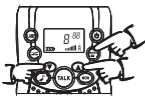2. Press the Up or Down button to hear the other call tone settings.

3. Choose one of the following:

a. Press the Menu/Lock button to enter the new setting and proceed to other functions.

b. Press TALK button to enter the new setting and return to Standby mode.
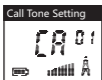
Key Tone On/Off

When Key Tone is On, an audible tone will sound each time a button is pressed.

To turn key tone on or off:

1. Current key tone status On/Off will flash.
2. Press the Up or Down button to select key tone on or off.
3. Choose one of the following:
   a. Press the Menu/Lock button to enter the new setting and proceed to other functions.
   b. Press TALK button to enter the new setting and return to Standby mode.

Roger Beep Confirmation Tone

Your listener will hear an audible tone when you release the PTT button. This alerts the other party that you are finished talking and it is OK for them to speak.
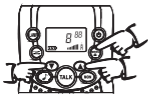
To turn roger beep on or off:

1. Press the Menu/Lock button until the Roger Beep icon is displayed. The current on or off setting flashes.
2. Press the Up or Down button to select roger beep on or off.
3. Choose one of the following:
   a. Press the Menu/Lock button to enter the new setting and proceed to other functions.
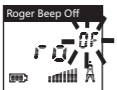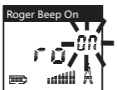   b. Press TALK button to enter the new setting and return to Standby mode.

Channel Scan

Your radio can automatically scan channels.

To scan channels:

1. Press and release the Scan button until the Scan icon and the channel numbers appear on the display.

2. while scanning channels.The Scan icon will continue to be displayed when scan is on. Your radio will continue to scan all channels and stop if an incoming transmission is detected. Your radio will remain on that channel for 8 seconds.

During scanning (while receiving an incoming transmission), you can choose from the following:

a. Press and hold the TALK button to communicate on that channel. Your radio will remain on that channel and return to Standby mode.

b. Press the Channel Up or Channel Down button to resume scanning channels.

c. Press and release the Scan button to return to Standby.
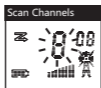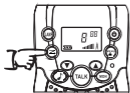
Monitor
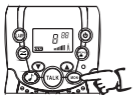
To receive weak signals from other radios in your group, all you need to do is press MON button. If you want to continue the monitoring, please press and hold MON button.

Safety and General Information

Important Information on Safe and Efficient Operation Read. This Information Before Using Your Radio The information provided in this document supersedes the general safety information contained in user guides published prior to July 2000.

Transmit and Receive Procedure

Your two-way radio contains a transmitter and a receiver. To control your exposure and ensure compliance with the general population/uncontrolled environment exposure limits, always adhere to the following procedure:

• Transmit no more than 50% of the time.
• To transmit (talk), press the Push to Talk (PTT) button.
• To receive calls, release the PTT button.

Transmit no more than 50% of the time, or less, is important because the radio generates measurable RF energy exposure only when transmitting (in terms of measuring standards compliance).

Exposure to Radio Frequency Energy

Your radio is designed to comply with the following national and international standards and guidelines regarding exposure of human being to radio frequency electromagnetic energy:
Two-Way Radio Operation
When using your radio as a traditional two-way radio, hold the radio in a vertical position with the microphone one to two inches (2.5 to 5cm) away from the lips.

$$CE \quad \boxed{✓}_{\substack{RoHS \\ Compliant}} \quad \cancel{\boxtimes} \quad \oslash_{0-3}$$

MADE IN CHINA

FCC Statement

This equipment has been tested and found to comply with the limits for 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 to 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.

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

RF Exposure Warning

This equipment must be installed and operated in accordance with provided instructions and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provide with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance. The SAR limit adopted by US is 1.6 W/kg averaged over 1 grams of tissue. The highest SAR value reported under this standard during product certification for use at the ear is 0.117W/kg and when properly worn on the body is 0.270W/kg.

REGULATORY Information

Important: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device. Your radio is set up to transmit a regulated signal on an assigned frequency. It is against the law to alter or adjust the settings inside the radio to exceed those limitations. Any adjustments to your radio must be made by qualified technicians.

To be safe and sure:
Never open your radio's case.
Never change or replace anything in your radio except the battery.
Any attempt to change frequencies or output power of the radio invalidates the approval
Your radio might cause TV or radio interference even when it is operating properly. To determine whether Your radio is causing the interference, turn it off. If the interference goes away, your radio is causing it.
Try to eliminate the interference by moving your radio away from the receiver. If you cannot eliminate the interference, the FCC requires that you stop using the radio.

Hazardous Environments: Do not operate the radio in hazardous environments. Explosion or fire may result.

Do not operate the radio near unshielded electrical blasting caps. Under certain conditions, radios can interfere with blasting operations and may cause an explosion. Turn your radio OFF to prevent accidental transmission when in a blasting area or in areas posted: "Turn off two-way radio.' Construction crews often use remote control RF devices to set off explosives.

Note: Use of this radio outside the country where it was intended to be distributed is subject to government regulations and may be prohibited.

WARNING! Read this information before using the radio. In August 1996 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human

Exposure to radio frequency electromagnetic energy emitted by FCC regulated transmitters.Those guidelines are consistent with the safety standard previously set by both U.S. and International standards bodies. The design of the radio complies with the FCC guidelines and these international standards.Never allow children to operate the radio without adult supervision and the knowledge of the following guidelines.

WARNING! It is up to the user to properly operate this radio transmitter to insure safe operation. Please adhere to the following:

Use only the supplied or an approved antenna.

Unauthorized antennas, modifications, or

Attachments could impair call quality, damage the radio, or result in violation of FCC regulations.
Do not use the radio with a damaged antenna.
If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for a replacement antenna.

Any attempt to change frequencies or outpu power of the radio invalidates the approval

For hand-held operation, the radio should be held at least 25mm from the user's face and 0mm from the body. 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 RF exposure requirements, and should be avoided. Use only the supplied or an approved antenna.

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.