Walkie-Talkie

## User Manual and Instruction

Getting Started

Installing the AA Batteries

Your radio uses 3 AA Alkaline batteries.

1. With the back of the radio facing you, lift the battery latch
up to release the battery cover and remove.
2. Insert 3 AA Alkaline batteries as shown on the inside of
the battery compartment.
3. Reposition the battery cover and press down to secure.

The Walkie-Talkie can use a NiMH rechargeable battery instead of 3 AA
Alkaline batteries.

Battery Meter

The battery icon shows the battery charge level, ▰▰▰ from full to
empty ▭ .When the battery is empty, the radio chirps periodically

after releasing 🔘 . The radio powers off when the voltage drops

below a predetermined level to protect the rechargeable battery.

Note: Remove the batteries before storing your radio for extended periods
of time. Batteries corrode over time and may cause permanent damage to
your radio.

Turning Your Radio On and Off

After you insert batteries turn the radio on, the radio chirps and the display
briefly shows all feature icons available on your radio. The display then
scrolls through the available channels and Interference Eliminator Codes.
Press and hold 🔘 button turn the radio off.

Setting the Volume

- Press the up button to increase the speaker volume.
- Press the down button to decrease the speaker volume.
- The speaker volume level is indicated by the numbers 1-16 displayed.

Setting a Channel

1. With the radio on, press 🔘, The current channel flashes.

2. Press up or down to set the channel.

3. Press PTT to save the channel setting.

Control Buttons

Use ⏻ /⇄ to:

• Scan

• Turn radio on/off

Use UP/DOWN to:

• Adjust volume

• Scroll through menus

Use ♪/MON to:

• Transmit call tone

Use 🔘 to:

• Select menu options

• Exit the menu (when pressed while in a menu)

• Lock and unlock the keypad (when held down and not in a menu)

Use (PTT) to:

• Talk

• Save a setting

Talking and Listening

To communicate, all radios in your group must be set to the same channel and Interference Eliminator Code.

To talk, press and hold PTT. Hold the radio 2 to 3 inches away from your mouth when speaking.

When you finish speaking, release PTT (press to talk, release to listen).

Checking the Channel Before Transmitting

Your radio has multiple channels shared on a "take turn" basis. For uninterrupted communication, do not talk on a channel if someone else is currently talking on it.

To check for activity on a channel before you talk, press and hold ♪/MON . If you hear static, the channel is clear to use.

Special Features

Interference Eliminator Code

Interference Eliminator Codes help minimize interference by providing you with a choice of code combinations. To set the code for a channel:

1. Press 🔘 until the code starts to flash.

2. Press UP or DOWN to select the code 0-121 OR 121-0.

3. Press PTT to save the code setting.

You can set a different code for each channel using this procedure.

Note: You must set the Interference Eliminator Code to 0 on an FRS radio that uses Interference Eliminator Codes to communicate with other FRS radios that do not have Interference Eliminator Codes.

Push to Talk Timeout Timer

To prevent accidental transmissions and save battery life, the radio emits a continuous warning tone and stops transmitting if you press PTT for 60 continuous seconds.

Locking the Keypad

To avoid accidentally changing your radio settings, press and hold 🔘 for

3 seconds or until 🔒 displays. You can turn the radio on and off, receive, transmit, send a call tone, and monitor channels. All other functions are locked.

To unlock the radio, press and hold 🔘 for 3 seconds or until 🔒 is no longer displayed.

Scanning Channels

Use scanning to monitor channels for transmissions or to find someone in your group who has accidentally changed channels.

To start scanning, briefly press and release ⇗. The scan indicator ⇗ displays. When the radio detects channel activity, it stops scanning and you can hear the transmission. To respond to the transmission, press PTT within

5 seconds.

Scan Advance

If the radio stops scanning on a channel you do not want to listen to, briefly press and release] or [to resume scanning for the next active channel.

Removing Channels from the Scan List (Nuisance Delete Feature)

To remove a channel so the radio does not stop on it while scanning, press and hold UP or DOWN for at least 3 seconds, then release. This temporarily removes the channel from the scan list.

To restore the channel, turn the radio off and then back on.

Note: You cannot remove the channel your radio was set to when you started the scan (called your *home channel*).

Setting and Transmitting Call Tones

Your radio can transmit different call tones to other radios in your group so you can alert them that you want to talk.

To set a call tone:

1. With the radio on, press 🔘 times. The current call tone setting flashes and 𝌆 displays.

2. Press UP or DOWN to change and hear the call tone.

3. Press 🔘 or 🔘 to set the new call tone.

To transmit your call tone to other radios set to the same channel and Interference Eliminator Code as your radio, press 🎵

Notes

• Setting the call tone to 0 disables the call tone feature.

Voice Activation (VOX)

Voice activation (VOX) allows you to talk hands-free.

1. Press PTT and ⏻ Turn the radio on.

2. Turn the radio on. «ξ displays.

3. To transmit, speak into microphone. There is a short delay
between the time you start talking and when the radio transmits.
4. To receive, stop talking.
To turn VOX off, press PTT.

Setting the Sensitivity Level

Adjusting your radio's sensitivity level helps minimize the possibility of
unintended noises triggering a transmission and helps the radio pick up soft
voices.

1. Press 🔘 until «ξ displays.

2. Press UP or DOWN to select the sensitivity level:

3 = **High Sensitivity**

for quiet environments

2 = **Medium Sensitivity**

for most environments

1 = **Low Sensitivity**

for noisy environments

Setting the double channel monitor

1. Press 🔘 until CH displays, The current channel flashes.

2. Press up or down to set the **monitor** channel.

3. Press PTT to save the **double channel monitor** setting.

Setting the SQUELCH Level 1-6

1. Press 🔘 until **SL** displays.

2. Press UP or DOWN to select the receive sensitivity level:

01 = **High receive Sensitivity**

02~05 = **Medium receive Sensitivity**

06 = **Low receive Sensitivity**

Setting the TX POWER LO/HI

1. Press 🔘 until pr displays.

1. Press UP or DOWN to select the **LO** OR **HI** level.
2. Press PTT to save the **TX POWER LO/HI** setting.

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.

Transmitting 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 beings 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 5 cm) away from the lips**.

Facilities

To avoid electromagnetic interference and/or compatibility conflicts, turn off your radio in any facility where posted notices instruct you to do so. Hospitals or health care facilities may be using equipment that is sensitive to external RF energy.

Aircraft

When instructed to do so, turn off your radio when on board an aircraft. Any use of a radio must be in accordance with applicable regulations per airline crew instructions.

Potentially Explosive Atmospheres

Turn off your radio prior to entering any area with a potentially explosive atmosphere. Do not remove, install, or charge batteries in such areas. Sparks

in a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury or even death.

Note: The areas with potentially explosive atmospheres referred to above include fueling areas such as below decks on boats, fuel or chemical transfer or storage facilities, areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine. Areas with potentially explosive atmospheres are often but not always posted.

Blasting Caps and Areas

To avoid possible interference with blasting operations, turn off your radio when you are near electrical blasting caps, in a blasting area, or in areas posted: "Turn off two-way radio." Obey all signs and instructions.

Operational Cautions

Antennas

Do not use any portable radio that has a damaged antenna.

If a damaged antenna comes into contact with your skin, a minor burn can result.

Batteries

All batteries can cause property damage and/or bodily injury such as burns if a conductive material such as jewelry, keys, or beaded chains touch exposed terminals.

The conductive material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse, or other container with

metal objects.

Battery Charger Safety Instructions

1. Do not expose the charger to rain or snow.

2. Do not operate or disassemble the charger if it has received a sharp blow, or has been dropped or damaged in any way.

3. Never alter the AC cord or plug provided with the unit. If the plug will not fit the outlet, have the proper outlet installed by a qualified electrician. An improper condition can result in a risk of electric shock.

4. To reduce the risk of damage to the cord or plug, pull the plug rather than the cord when disconnecting the charger from the AC receptacle.

5. To reduce the risk of electric shock, unplug the charger from the outlet before attempting any maintenance or cleaning.

6. Use of an attachment, not recommended, may result in a risk of fire, electric shock, or personal injury.

7. Make sure the cord is located where it will not be stepped on, tripped over, or subjected to damage or stress.

8. An extension cord should not be used unless absolutely necessary. Use of an improper extension cord could result in a risk of fire and/or electric shock. If an extension cord must be used, make sure that:

• The pins on the plug of the extension cord are the same number, size, and shape as those on the plug of the charger.

• The extension cord is properly wired and in good electrical condition.

• The cord size is 18 AWG for lengths up to 100 feet, and 16 AWG for lengths up to 150 feet.

Technical Specification

1. Operating Frequency: 462.5500MHz-462.7250MHz, 467.5625MHz-467.7125MHz

2. Transmission Power: ≤0.5W

3. Channel Spacing: 12.5kHz

4. Modulation Type: FM

5. Channels: 22

Caution:

The information listed above provides the user with information needed to make him or her aware if a RF exposure, and what to do to assure that this radio operates within the FCC exposure limits of this radio.

The device complies with RF specifications when the device used at 25mm from your front face and 0mm from your body. Third-Party belt-clips, hosters,and similar accessories used by this device should not contain any metallic components.

Body -worn accessories that do not meet these requirements and should be avoided .

Maximun SAR Value(1g):0.604W/Kg.