EXPEDITION
by CONAIR
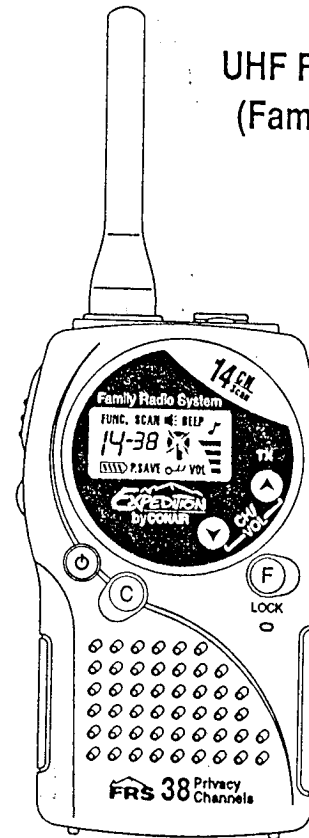
FRS250SLV

UHF FM TRANSCEIVER
(Family Radio Service)

CONAIR ELECTRONICS
Customer Service Help Line:
1-800-366-0937

8:30 a.m.- 9:00 p.m., Monday-Friday
8:30 a.m- 12:30 p.m., Saturday

www.conairphone.com

CONTENTS

LIMITED ONE YEAR WARRANTY

Conair, at our option, will replace or exchange (for a m(Jel of equal value) your FRS unit for one year from the d .te of purchese if the unit is defective in workmanship or mater: ıls.
To obtain service under this warranty, return the def :ctive product to the service center together with your sales sl) and $5.00* for postage and handling. *California residents need only provide proof of purchase and should call 1-800-366-0937 for shipping instructions.

ALL APPLICABLE IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANDISE AND FITNESS FOR A PARTICULAR PURPOSE GIVEN TO YOU BY LAW ARE HEREBY LIMITED IN DURATION OF THIS WARRANTY. UNDER NO CIRCUMSTANCES WILL CONAIR BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

SERVICE CENTER
CONAIR ELECTRONICS
7475 N. Glen Harbor Blvd.
Glendale, AZ 85307

SERVICE

According to FCC regulations, this equipment, which has been certified and registered by the FCC, may only be repaired by authorized persons. If repairs or adjustments are made by an unauthorized person, the FCC certification may be voided. Should you encounter any problems, please call the Conair Electronics toll-free Customer Help Line for assistance.

FOR IN-WARRANTY SERVICE
Package your units (include all accessories) and ship the unit; postage prepaid* and insured (for your protection) to:
Conair Electronics, DEPT. Warranty Repair,
7475 N. Glen Harbor Blvd., Glendale, AZ 85307
www.conairephone.com
Be sure to include your return address, proof of purchase, a daytime phone number, $5.00 for postage and handling*, and a brief explanation of the difficulties.

*Note: California residents need only provide proof of purchase and should call 1-800-366-0937 for shipping instructions.

FOR OUT-OF-WARRANTY SERVICE
You may call the Customer Service Help Line for the price of a replacement before returning your unit. Please follow all instruction for In-Warranty service (above) to return your unit, and mark the package:

DEPT:Out Of Warranty
If you have called and know the cost of your replacement, please include this information with your return for prompt service.

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IMPORTANT SERVICE INFORMATION

Read this manual before attempting to set up or us this instrument. It contains important information regarding safe installation and use. Keep this manual for future refe: nce. Also save the carton, packaging and proof of purchase to simplify and accelerate any needed action.

SAVE THESE INSTRUCTIONS

What's Included with Your FRS250SLV
- Two FRS250SLV Two-Way Radios with Antennas*
- User-Removable Belt Clips*
- User's Manual

*Attached to the units at the time of packaging

FCC NOTICE

The FCC requires that you be advised of certain requirements involving the use of this device. 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 uses and can generate 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 the 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 correct the interference by one or more of the following measures:

- Reorlent 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 manufacturer for technical assistance.

FCC INFORMATION: 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. Privacy of communications may not be ensured when using this equipment.

FCC WARNING: This equipment generates or uses radio frequency energy. Changes or modifications not expressly approved in writing may cause harmful interference and void the user's authority to operate this equipment.

TROUBLESHOOTING

SYMPTOM	SOLUTION
Does not turn on.	• Check batteries. Ensure that the batteries are installed properly. • The batteries may be weak. Replace old batteries with four(4) new "AAA" alkaline batteries.
Reception is weak.	• Press the UP button to increase volume. • The receiving signal may be weak and out of range. If this happens, press the MONITOR button.
Cannot change channels.	• To change channels, press and hold the FUNCTION button first until the Channel digit flashes on the LCD panel. Press the UP or DOWN buttons to change channels.
Range is limited.	• Batteries may be weak. Replace with new batteries if the battery level indicator is low. • The maximum range will vary depending on terrain and environment. Open fields provide the maximum range, while buildings and other structures may limit the range significantly.
Sound distortion problems	• If you are transmitting, speak in a normal tone of voice, 2 to 3 inches away from the microphone. • If you are receiving, lower the volume control to a comfortable level.

SPECIFICATIONS

Channels Available	14 Channels/ 38 CTCSS
Output Power (TX)	0.5W (FCC Maximum)
Battery Life	30 Hours (typical)
Range	About 2 Miles

FRS CHANNEL TABLE

Channel Number	Frequency (MHz)
1	462.5625
2	462.5875
3	462.6125
4	462.6375
5	462.6625
6	462.6875
7	462.7125
8	467.5625
9	467.5875
10	467.6125
11	467.6375
12	467.6625
13	467.6875
14	467.7125

FRS PRODUCT DESCRIPTION

Family Radio Service (FRS) is the newest generation in personal two-way communications. FRS radios operate in a license-free radio band (no FCC license is needed for FRS operation), on any of the 14 license-free channels.

The FRS250SLV is a lightweight, compact two-way radio that can be used up to about two miles with family or friends at parks, shopping malls, sporting events, concerts- any indoor or outdoor activity!
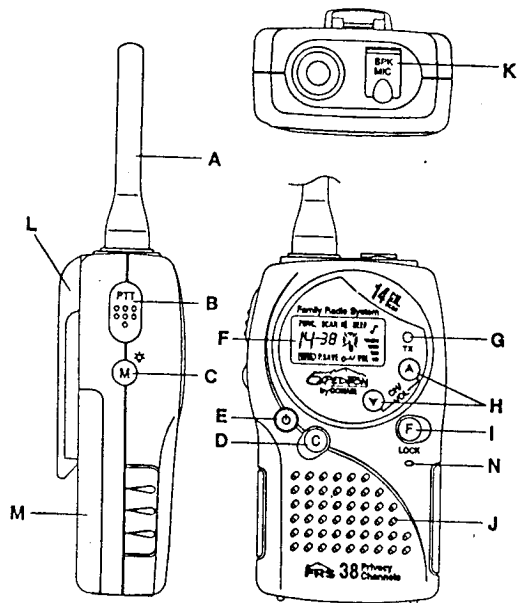
The FRS250SLV is compatible with other two-way radios using the FRS frequency band (operating in the frequency range from 462.5625 MHz to 467.7125 MHz).

The FRS250SLV is a 14-channel 38 CTCSS/ SCAN/ UHF two-way radio, featuring a multi-functional LCD panel (which indicates the current channel and various radio status icons). Other features also include electronic volume control and battery save circuitry.

Please read this user's manual thoroughly to get the most out of your FRS250SLV two-way radio.

Note: The maximum transmission range will vary depending on terrain and environment. Range will be greater in open fields, while the range is shorter within and around buildings or large structures.
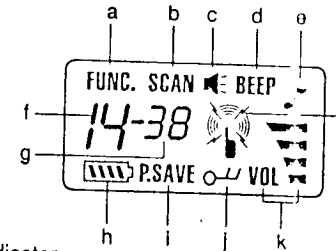
FUNCTION AND LOCATION OF THE CONTROLS

A. Fixed Antenna

B. PTT Button- speak into the microphone when the TX indicator lights. When you finish speaking, release PTT.

C. Monitor Button- checks activity on the channel, and permits the radio to monitor weak signals.

D. LCD Pannel- a multi-function display which indicates channel and other radio status/ icons.

E. Power Button- press the power button to turn ON/OFF.

F. Call Button- to have on sound on all radios tuned to the channel your radio.

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LCD Pannel Display

a. Function mode indicator
b. Scan mode indicator
c. Speaker indicator
  (indicate Speaker ON)
d. Key Stroke Tone indicator
e. Talk Confirmation Tone
  indicator
f. Main Channel indicator
g. 38 CTCSS Subchannel indicator
h. Battery capacity level indicator
i. Power Save Mode indicator
j. Lock indicator
k. Volume indicator
l. RX/ TX Indicator

Power Save Mode

• After 6 seconds in Standby Mode without RX signal, Power Save Mode will be ON and Power Save Icon flashes.

• If there is RX signal or a Key stroke in Power Save Mode, Power Save Mode will be removed and the radio will return to operational mode.

4. Beep tone mode (ON/OFF)- You will hear an audible tone when any button is pushed (except PTT button). You can turn on or off by:

a. Press and Release Up/ Down button until Beep Tone icon flashes.
b. Press and Release Up/ Down button to turn Beep Tone ON/ OFF.
c. Press Release the PTT button to save your selection and then, the radio will return to operational mode.
d. Press and Release the call button to cancel your selection and then, the radio will return to operational mode.

5. Tone SCAN main channel

a. Press and Release the Function button until scan icon and 14 main channel flashes.
b. Press and Release Up/ Down button and then, the radio will begin scanning the main channels. The radio will continue to scan all main channels and stop, if an incoming transmission is detected.
c. Press and Hold PTT button and then, talk.
d. Press PTT or Call button to stop scanning.

6. To SCAN CTCSS Subchannels

a. Press and Release the Function button until scan Subchannel flashes.
b. Press and Releas Up/ Down button and then, the radio will begin scanning the Subchannels. The radio will continue to scan all CTCSS subchannels and stop, if an incomming transmission is detected.
c. Press and Hold PTT button and then, talk.
d. Press PTT or Call button to stop scanning.

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G. TX LED- lights when you transmit a message.

H. UP/ DOWN Button- used for adjusting the volume level and changing the channel.

I. Function Button- allows you to change channel and to enable CTCSS/ SCAN.

J. Speaker

K. Speaker/ Microphone Jack

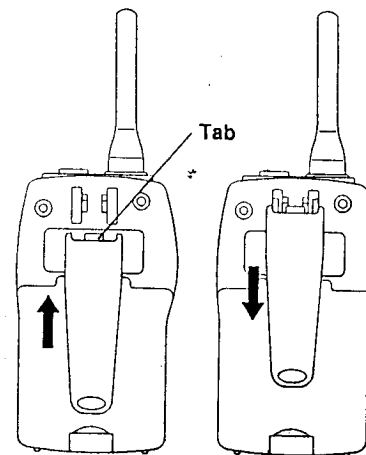L. Blet Clip- use to secure the radio to a belt, or another.

M. Battery Compartment- houses 4 AAA size battery.
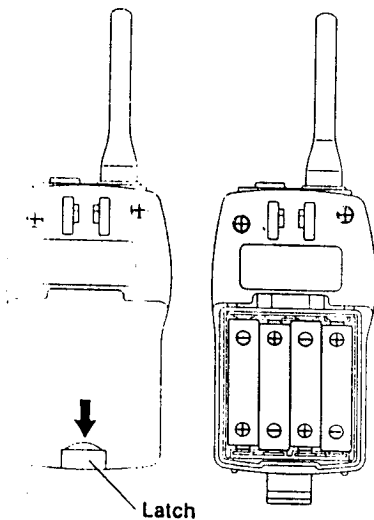
N. MIC

THE BELT CLIP

To remove the belt clip, pull the tab and slide the belt clip down.

To reattach the belt clip, slide it up until it locks into place.

Tab

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BATTERY INSTALLATION

1. R.lease the battery cover latch located on the sidr of the unit.

2. Lift up the battery cover from the battery compartment.

3. Install four(4) "AAA" alkaline batteries (not included) following the polarities.

4. Reinstall the battery cover.

5. Lock the battery cover latch into position.

Latch

Notes:

- The FRS250SLV has built-in power saver for maximum battery life. But when the FRS250SLV is not being used, conserve battery power by pressing the power button to OFF.

- R..move the batteries if the unit will not be used for a long period of time.

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Function Mode

1. Lock function-to lock buttons to avoid accidental operation.

a. Press and Hold the Function button to engage the Lock function.
b. The UP/DOWN buttons will lock and do not operate under Lock function.
c. To Unlock, press and hold the function button again untill Lock indicator on LCD disapperars.

2. Select CTCSS Subchannel (00-38)

a. Press and Release the Function button twice to select CTCSS subchannel and then, press and release Up/ Down button to move your desired CTCSS subchannel.
b. When desired code is displayed, press and release PTT button.
c. To return to operational mode and not save your last setting, just press and release the CALL button.

Note: The CTCSS (Code Tone Controlled Squelch System) Subchannel allows the user to utilize a less used channel range (00-38) within a main channel.

3. Talk confirmation tone (ON/ OFF)- You listener will hear an audible tone you release the PTT button. This alerts the other party that you are finished talking and it's OK for them to begin talking.

a. Press and Release the FUNCTION button until ROGER BEEP TONE icon flashes.
b. Press and Release the Up/ Down button to turn Roger beep tone ON/ OFF.
c. Press and Release the PTT button to save your selection and then the radio will return to operational mode.
d. Press and Release the Call button to cancel your selectionand then, the radio will return to operational mode.

Changing Channels- The FRS250SLV has 14 available channels. To change channels:

1. Press and the FUNCTION button shortly.

2. While the channel number is flashing:
• Press the UP(▲) button for higher channel.

• Press the DOWN(▼) button for lower channel.

• The channel changes from 1 to 14, or from 14 to 1, repeatedly.

3. Press PTT button to select your desired channel and then, the radio will return to normal mode.

Note: Refer to the "FRS Channel Table" section of this manual for detailed frequency listings.

Monitor- You can use the MONITOR feature to listen in for weak signals in the current channel.

• Press and Hold the MONITOR button for at least one second for normal monitoring.

• Press the MONITOR button quickly to backlight the LCD Display.

Battery Level/ LOW Battery Indication
• The LCD panel displays the battery power level according to the number of squares lit inside the battery symbol.

• When the battery level is low, the battery icon will flash to indicate that the batteries need to be replaced.

Sending Call Tones- You can use Call Tones to alert the other user or to identify yourself. You can also use Call Tones to signal the beginning or the end of a transmission.

• Press and Hold the CALL button.

• Release the CALL button. Your Call Tones will transmit.

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OPERATION

Turning the Radio ON- Press and Hold the power button. The radio will beep and LCD panel will display.

Turning the Radio OFF- Press and Hold the power button.

Adjusting the Speaker Volume
• Press the UP(▲) button to increase volume.

• Press the DOWN(▼) button to decrease volume.

• When adjusting the speaker volume, the number of icon bars will be increased or decreased accordingly.

Receiving a CALL(RX)- The radio is continuously in RECEIVING mode when the radio ON. When you receive a call on the current channel you are using, the LCD panel will flash the Receive symbol (see "LCD PANEL DISPLAY" for details).

Transmitting a CALL (TX)
1. Push and Hold the PTT button to transmit. The TX LED will light up in red and the LCD transmit symbol will flash (see "LCD PANEL DISPLAY" for details).

2. While holding the PTT button, speak in a normal voice about 2 to 3 inches away from the microphone.

3. Release the PTT button when you have finished transmitting.

Note: In order for other people to receive your transmission, they must also be on the same channel you are currently using.

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