

USER'S MANUAL

1. FRS PRODUCT DESCRIPTION

The Family Radio Service (FRS) is the newest generation in personal two - way communications. FRS radios operate in a license - free band, on one of 2 license -free channels.

The FR-230 is a lightweight, palmsized two - way radio that you can carry almost anywhere - use it at shopping malls, sporting events, amusement parks, or any other activity where communications are needed for convenience or safety.

The radio provides about a 2miles range of communications - allowing you to keep in touch with family, friends or a neighborhood watch group.

The FR-230 is 14 channels model. You can talk to another person using any FRS radio, provided that you can on the same frequency with button.

2. CONTROLS AND FUNCTIONS

- > Push-To Talk button - Permits radio transmissions

- > Monitor button – Monitoring in the channel

- > Power button - Used to turn the radio on/off

- > Volume up/down button – Used to adjust the listening volume

- > Call button – Used to send a call signal in emergency condition

- > Mode button – for double purpose of volume up/down button to select other channel

- > Red L.E.D – Lights in transmission

- > Green L.E.D – Lights in low-battery

- > Segment L.E.D – displays channel number.

- > Antenna

- > Belt Clip - Used to secure the radio to a belt, or another convenient location.

- > Battery Compartment - Houses 4 AAA size batteries which provide power to the unit.(Located on back of unit)

3. OPERATING INSTRUCTIONS

- > Install 4 new AAA size batteries,

The (-) flat bottom of the battery rests on the (-) terminal of the battery compartment, and the (+) top contacts the (+) terminal. Refer to drawing below for proper battery installation.

Note: Always release batteries if product will not be used for long periods of time.

- > Replace the battery compartment door.

- > Push the power button.

The radio will sound a melody tone.

- > To transmit,

Hold the radio 2-3 inches from your mouth, Press the Push-To-Talk button on the radio side, and speak clearly into the microphone area of the radio. For best quality, Speak slowly and to a normal tone of voice. There is no need to speak loudly.

- > When your transmission is complete,

Release the PTT button and listen for a reply.

- > To send a call,

Press call button to page someone in special situation, then turn red L.E.D on and has audible ring signal transmitted.

- > Low battery indication

If battery cell voltage drop to fixed voltage(approximately 4V), green L.E.D is blinking..

> Channel selection

Press MODE button until channel no. is blinking in digit display, and then select wanting channel with volume up / down key button. This radio has 14 channel.

> When not using the radio,

Conserve battery power by turning the unit off. Push the Power button.

4. GENERAL SPECIFICATIONS

TEST CONDITION

1.TEMPERATURE RANGE	-20 +50
2.FREQUENCY ERROR	±2.5ppm
3.VOLTAGE RANGE	6V±15%
4.CHANNEL SPACING	12.5 kHz
5.MAX DEVIATION	±2.5kHz

SPECIFICATIONS

TRANSMITTER

1.OUTPUT POWER	MAX 0.5W(ERP)
2.AUDIO DISTORTION	10%
3.CURRENT	350mA
4.HUM & NOISE	34dB
5.AUDIO RESPONSE	6dB OCTAVE Pre-emphasis

RECEIVER

1.SENSITIVITY	0.316μV below
2.AUDIO DISTORTION	10%
3.HUM & NOISE	34dB
4.AUDIO OUTPUT	0.3W at 10% THD
5.STAND-BY CURRENT	30mA
6.SQ SENSITIVITY	10dB SINAD

