

USER'S MANUAL

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 14 license -free channels.

The OBATF-460A 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 OBATF-460A is a fourteen channels model. You can talk to another person using any FRS radio, provided that you can on the same frequency with button.

CONTROLS AND FUNCTIONS

- ;␣Push-To Talk button - Permits radio transmissions

- ;␣Antenna

- ;␣Power/Volume Control - Used to turn the radio on/off, and Adjust the
listening volume

- ;␣Microphone - Transmits voice signals

- ;␣Channel programming with button - Used to program the radio channel
frequency

- ;␣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)

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 remove batteries if product will not be used for long periods of time.

• Replace the battery compartment door.

• Turn the power on rotating the power/volume knob clockwise.

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.

• When not using the radio,

Conserve battery power by turning the unit off. Rotate the Power/Volume Knob counter-clockwise to detent.

GENERAL SPECIFICATIONS

TEST CONDITION

| | |
|---------------------|---------------|
| 1.TEMPERATURE RANGE | -20°C - +50°C |
| 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 |