

Owner's Manual

Cat. No. 21-1813

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.

SPECIFICATIONS

Channels 14
Quiet Codes Standard CTCSS Tones
Output Power 500 mW ERP at Hi Mode
Battery Life Alkaline: 25 Hours (2000 mA)
NiMH: 16 Hours (1250 mA)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations, 200 Taylor Street, 6th Floor, Fort Worth, TX 76102

We Service What We Sell

12/99

Two-Way Personal Radio

- Water-Resistant
- Rugged, Commercial-Quality Design
- 14 Channels
- 500 mW Output
- High/Low TX Power Control
- 38 Quiet Codes
- Call Button
- No License Required!
- Clear Communications Up to Several Miles
- Automatic Squelch
- Audible Page

RadioShack welcomes you to the next generation of personal communication — the Family Radio Service (FRS). FRS is a new license-free, two-way, short-range voice radio service that lets families and groups keep in touch with each other on specific reserved channels.



RadioShack®

FEATURES

Your RadioShack Two-Way Family Radio is a lightweight, palm-sized radio that you can carry almost anywhere. Use it at shopping malls, amusement parks, or sports events to contact family and friends, or in a neighborhood watch for vital communications.

Your radio has 14 channels and 38 different quiet codes. If someone else is using the channel you selected and you do not want to hear that person, select another channel or use the quiet feature (see "Using the Quiet Feature" on Page 6). You can talk with other FRS radio users whose radios are tuned to the same channel and quiet code as yours.

Your radio has *auto-squelch*, which means you will not hear anything on a channel unless someone is transmitting nearby on the same channel. You can turn off auto-squelch to hear weaker, distant transmissions (see "Using the Radio" on Pages 4 and 5).

Also, the radio has a channel and quiet code lock pin in the battery compartment. (See illustration on facing page.) Removing the pin locks the channel and quiet code settings to avoid accidentally changing the settings.

The supplied hand strap and belt clip let you carry your radio almost anywhere.

CARE

To enjoy your radio for a long time, handle it gently, keep it away from dust, moisture, and temperature extremes, and clean it with a damp cloth. Do not use harsh chemicals. Modifying or tampering with the radio's internal components can cause a malfunction and might invalidate the radio's warranty and void your FCC authorization to operate it. If your radio is not performing as it should, take it to your local RadioShack store for assistance.

FCC INFORMATION

Important: Do not open your radio to make any internal adjustments. 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 a qualified technician using the proper test equipment. To be safe and sure:

- Never open your radio's case.
- Never change or replace anything in your radio except the batteries.

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
- calling your local RadioShack store for help

If you cannot eliminate the interference, the FCC requires that you stop using the radio.

USING THE QUIET FEATURE

The quiet feature lets you talk and listen to people who are using other radios set to the same channel and quiet code as your radio. This is like having a sub-channel within a channel, giving you greater communication flexibility.

When you set a quiet code (there are 38 to choose from) and turn on this feature, the radio transmits a tone with your transmission. This tone is too low for you to hear, but other radios can detect it. This prevents radios which are not set to the same channel and quiet code from interfering with your transmissions or reception.

Follow these steps to set a quiet code.

1. Repeatedly press **MODE** until **QUIET** and the previously set quiet code appear and flash.
2. Rotate **SELECT** clockwise or counterclockwise until you see the code number (1-38) you want to use. **QUIET** flashes for 5 seconds after you stop rotating **SELECT**, then the selected channel number reappears. If you do not want to use the quiet feature, set the quiet code to 00.

FREQUENCIES

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

OPERATION

INSTALLING BATTERIES

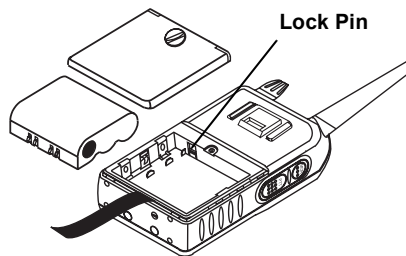
Your radio uses an optional Ni-MH rechargeable battery pack (Cat. No. 23-344, available at your local RadioShack store) or three alkaline AA batteries (not supplied) for power.

Cautions:

- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.

Note: You need an optional desktop charger (Cat. No. 21-1830) to charge the battery pack before you can use it. Follow the directions supplied with the optional desktop charger to charge the battery pack.

Hold down **POWER** until the radio is off, then remove the belt clip. Use a coin or a screwdriver to loosen the screw on the battery compartment cover, then slide the cover down and off and install the battery pack or batteries as shown.



If you will not be using the radio for several months, remove the batteries. Batteries can leak chemicals that can destroy electronic parts.

USING THE RADIO

To hear everything on a channel, including weak transmissions and radios set to a different quiet code, hold down **MON** (monitor). **RX** appears. Release **MON** to turn auto-squelch back on.

To talk, hold down **PTT** (push to talk) and speak into the microphone. **TX** appears. When you finish speaking, release **PTT**. **TX** disappears.



As you use the radio, the battery icon's elements on the display disappear to show how much power remains. When only one element remains, recharge the battery pack or replace the batteries.

You can cause a paging tone to sound on all radios tuned to the same channel (and quiet code, if used). To send a page, hold down **CALL** for up to 5 seconds. **TX** appears.

Rotate **SELECT** to adjust the voice volume, channel, quiet code, ringer volume, and TX power level. If the transmission is weak, set the TX power level to HI.

For more convenient listening, connect an optional speaker/microphone with a 1/8-inch plug and a 3/32-inch plug to the **EAR/MIC** jacks (or an earphone with a 1/8-inch plug to the **EAR** jack).

Display

Microphone

Repeatedly press **MODE** to switch between channel, quiet, volume, and TX modes (see "Using the Quiet Feature" on Page 6).

You can lock the radio's volume at any time by holding down **MODE** for 2 seconds. appears, and you cannot use **SELECT** to adjust the volume. Hold down **MODE** again for 2 seconds to unlock the volume. disappears.

To turn the radio on or off, hold down **POWER** for about 1 second.

- The backlight turns on for 10 seconds whenever you press **MODE**, **CALL**, or **POWER**, or rotate **SELECT**.
- To attach the belt clip, slide the belt clip onto the tab on the back of the radio.