

# Owner's Manual

Cat. No. 21-1807

## SPECIFICATIONS

Channels ..... 14  
 Quiet Codes ..... Standard CTCSS Tones  
 RF Output Power ..... 150 mW @ 3VDC  
 Power Supply ..... 2 AA Alkaline  
 Dimensions incl. antenna  
 (HWD) ..... 6<sup>11</sup>/<sub>16</sub> ¥ 2<sup>3</sup>/<sub>8</sub> ¥ 1<sup>1</sup>/<sub>8</sub> Inches  
 (169 ¥ 60 ¥ 28 mm)  
 Weight (w/o batteries and belt clip) ..... 3.9 oz (110 g)

Specifications are typical; individual units might vary.  
 Specifications are subject to change.

# Two-Way Family Radio

### 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 the limitations on how long an implied warranty lasts or the exclusion 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, Dept. W, 100 Throckmorton St.,  
 Suite 600, Fort Worth, TX 76102

*We Service What We Sell*

3/97

n No License Required!

n 14 Channels

n 38-Tone Quiet Code Feature

n Call Button

n 30-Hour Nominal Battery Life

n 150 mW Output Power

n Backlit Display

n Connect an Optional  
 Speaker/Microphone  
 or Earphone

n Last Channel Memory

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 FRS channels.



**RadioShack®**

## INTRODUCTION

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, sports events, or at the beach to contact family and friends, or for vital communications in a neighborhood watch.

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 a person who has an FRS radio if both radios are tuned to the same *channel* and quiet code.

Your radio has *auto-squelch*, which means you won't 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 Pages 4–5).

Also, if the radio is idle for 2 hours, it automatically shuts off. It turns on again when you press **PUSH TO TALK**.

You can connect an optional speaker/microphone and earphone (not supplied) to the radio. And, the belt clip lets you take your radio almost anywhere.

We recommend you record your radio's serial number here. The number is on the radio's back panel.

Serial Number:

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Tandy Corporation.

## FCC INFORMATION

**Important:** Do not open your radio to make any internal adjustments. Your radio is set up to transmit a regulated signal on one of 14 assigned frequencies. 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.

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.

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.

## 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. 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, you can communicate with anyone who has a radio set to the same channel and code.

1. Hold down **QUIET** for 3 seconds until **QUIET** appears and the quiet code flashes.
2. Repeatedly press (or hold down) **CH ▲** or **CH ▼** until you see the code number you want to use.
3. Press **QUIET** to store the code.

To turn on the quiet feature, press **QUIET**. **QUIET** appears. To turn off the feature, press **QUIET** until **QUIET** disappears.

**Note:** We recommend that you select a quiet code from the range 7–30. If you select a code below or above that range, you must wait 1 to 2 seconds after holding down **PUSH-TO-TALK** before you start talking.

## FRS 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

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## INSTALLING BATTERIES

Your radio uses two AA batteries for power. We recommend alkaline batteries (such as RadioShack Cat. No. 23-557).

**Caution:** Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.

Be sure the radio is off, then slide off the battery compartment cover. Install the batteries over the ribbon and according to the polarity symbols (+ and –) marked inside the compartment.

(illus - show batteries being installed in battery compartment. Show battery compartment cover being removed (arrow pointing to removal direction). Also show polarities on batteries.

When  appears, replace the batteries.

**Caution:** Dispose of old batteries promptly and properly.

## CARING FOR YOUR RADIO

To enjoy your radio for a long time:

- Handle it gently.
- Keep it away from dust, moisture, and temperature extremes.
- Clean it with a damp cloth. Do not use harsh chemicals.

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## USING THE RADIO

See "Using the Quiet Feature" on Page 6.

You can cause a tone to sound on all radios tuned to the same FRS channel (and quiet code, if one is used) as your radio. Just hold down **CALL**.

**Note:** Holding down **CALL** while turning on the radio resets your radio.

**Important:** The FCC does not allow you to send a continuous tone for more than 10 seconds at a time on FRS frequencies. Do not hold down **CALL** for more than 10 seconds.

To talk, hold down **PUSH-TO-TALK** until **▲** appears, then speak into the microphone. Release **PUSH-TO-TALK** when you finish. **BUSY** appears when a call is being received.

To hear everything happening on a channel, including weak transmissions, hold down **MON**. Release **MON** to turn auto-squelch back on.

To lock or unlock the **QUIET**, **CH ▲**, and **CH ▼** keys, hold down **MON** and press **CALL**. **→○** appears and the **QUIET**, **CH ▲**, and **CH ▼** keys do not operate when keypad lock is on.

To select a channel, press **CH ▲** or **CH ▼**. Hold down **CH ▲** or **CH ▼** to rapidly change channels. The selected channel number appears.

The automatic shut off timer automatically turns off the radio if it is idle for 2 hours. Hold down **CH ▼** while turning on the radio to enable or disable the timer. **On** or **Off** (off) appears briefly.

Then, if the radio is idle for 2 hours, **Off** appears steadily. Press any button to operate the radio again. **Off** disappears and the last selected channel appears.

illus (front view  
of radio, centered)

Rotate **VOL** to turn on your radio and adjust the volume.

### Display

### Microphone/Speaker

Connect an optional speaker/microphone with a  $\frac{3}{32}$ -inch mini plug and a  $\frac{1}{8}$ -inch plug to the **MIC/SPK** jacks (or an earphone with a  $\frac{1}{8}$ -inch plug to the **SPK** jack).

To attach the belt clip, align the screw with the hole in the back of the radio, then tighten the screw.