

Owner's Manual

Cat. No. 21-1809

SPECIFICATIONS

Output Power 250 mW ERP
Battery Life (Alkaline) 30 Hours (Typical)
Battery Power (Alkaline) 4.5 VDC
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 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

Two-Way Family Radio

Personal FM Transceiver

- n No License Required!
- n Rugged Design for Every Day Use
- n 1 Channel, 250 mW
- n 3 Quiet Codes to Eliminate Interference
- n Call Button
- n Automatic Power Save
- n Belt Clip

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®

INTRODUCTION

Your RadioShack Personal FM Transceiver 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. You can talk with another person who has any FRS radio set to the same *frequency* as your radio. Your transceiver uses Channel 1 (462.5625) of the FRS frequencies.

Your radio has *auto-squelch*, which means you won't hear anything on the channel unless someone is transmitting nearby on the same channel. But, you can turn off auto-squelch to hear weaker, distant transmissions (see Pages 4–5).

You can select a *quiet code* to screen out unwanted conversations. If a quiet code is set, your receiver only picks up transmissions from another 21-1809 FRS radio set to the same code (see Page 6).

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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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 made 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

Using your radio as described in this manual exposes you to RF energy well below the FCC's recommended limits.

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.

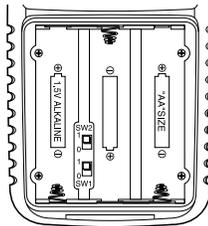
USING QUIET CODES

This transceiver uses quiet codes to screen out unwanted conversations, even if someone is transmitting nearby on the same channel. When the quiet code is set, the transceiver sends the code every time **PTT** or **CALL** is pressed and only responds to signals that have the same code. Other 21-1809 transceivers you plan to use together must be set to the same code.

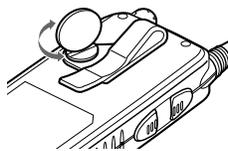
To set the transceiver to one of the three codes:

1. Turn off the radio (if it is on), then open the battery compartment cover and take out the batteries.
2. Slide **SW1** and **SW2** to set the code — both to **1**, or one to **1** and one to **0**.

Important: To turn off the quiet code feature, set both switches to **0**.



ATTACHING THE BELT CLIP



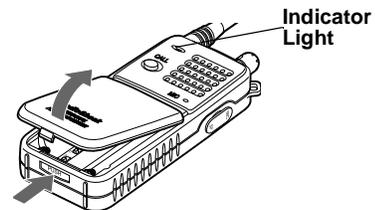
You can use the supplied belt clip to make your radio easier to use when you are on the go. Use a coin or screwdriver to screw the belt clip to the radio. Then slide the belt clip over your belt or waistband.

INSTALLING BATTERIES

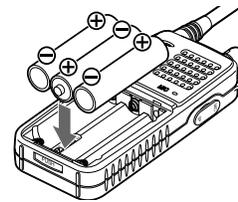
Your radio uses three AA batteries for power. We recommend alkaline batteries (such as RadioShack Cat. No. 23-552).

Note: Rechargeable batteries do not provide as much battery life as alkaline batteries. We do not recommend using rechargeable batteries in this radio.

1. Be sure the radio is off, then press **PUSH** at the bottom of the radio and lift the battery compartment cover.



2. Install the batteries as indicated by the polarity symbols (+ and -) inside the compartment. Then replace the cover.



Caution: Do not mix old and new batteries or different types of batteries.

The radio's range decreases as the battery power decreases. To ensure maximum range, keep fresh batteries installed in the radio. When the indicator light alternately flashes green and red, replace the batteries.

USING THE RADIO

Antenna

Rotate to turn the radio on and off and adjust the volume.

Lights red when you transmit a message or press **CALL**, and lights green when you receive a transmission.

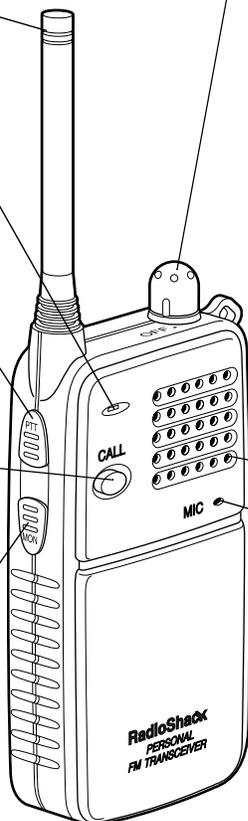
To talk, hold down **PTT** (push to talk) and wait about 1 second, then speak into the microphone. When you finish speaking, release **PTT**.

You can cause a paging tone to sound on all radios tuned to the same frequency. To send a page, press **CALL**.

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

You normally don't hear anything on a channel unless someone is transmitting nearby on the same channel (this is called auto-squelch). To hear everything happening on a channel, including weak transmissions, hold down **MON** (monitor). Release **MON** to turn auto-squelch back on.

Connect an optional headset with microphone (such as Cat. No. 19-312) or microphone and earphone communication headset (such as Cat. No. 19-316) into the **MIC** and **SP** jacks, or a mono earphone (such as Cat. No. 33-175) into the **SP** jack. This automatically disconnects the internal speaker and **PTT**.



MIC

SP

Speaker

Microphone

Note: The automatic power save feature automatically extends battery life by reducing the power the radio uses until it receives a signal or you press a key. Because the receiving radio might be in power save mode, wait about 1 second after pressing **PTT** to give the other radio time to come to full power before speaking into the microphone.