



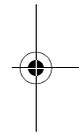
## Owner's Manual



Cat. No. 21-1826/28/29

# Personal Two-Way Radio

- **Clear Communications  
Up to a Mile**
- **2 Channel Selection**
  - **Paging Feature**
  - **Automatic Squelch**
  - **Power Indicator**
- **Retractable Antenna**
- **Modulation Limiter**
  - **License-Free**



**RadioShack®**



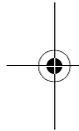


## INTRODUCTION

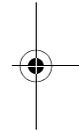


RadioShack welcomes you to the next generation of personal communication — the Family Radio Service (FRS). FRS is a new license-free, two-way, short-range voice radio service that lets families and groups keep in touch with each other on specific reserved channels.

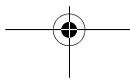
Your RadioShack Personal Two-Way Radio is a lightweight, palm-sized radio that you can carry almost anywhere and use to talk with another person who has an FRS radio set to the same frequency as your radio (462.5625 MHz, FRS Channel 1, or 467.5625 MHz, FRS Channel 8).



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 use the **MON** (monitor) key to temporarily turn off auto-squelch and hear weaker, distant transmissions.



The built-in modulation limiter circuit automatically adjusts the radio for a wide variety of voice levels to ensure a clear transmission.



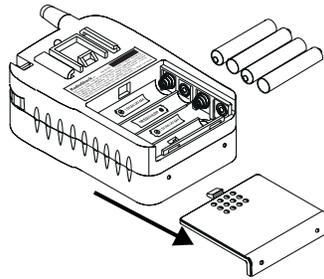
## PREPARATION

### INSTALLING BATTERIES

Your radio requires four AAA batteries (not supplied) for power. For the best performance and longest life, we recommend RadioShack alkaline batteries. You can also use RadioShack rechargeable batteries and recharge them using an optional charger.

**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.



1. Rotate the dial above POWER fully clockwise until the radio clicks to turn it off.



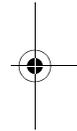
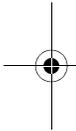
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2. To remove the battery compartment cover, press the raised dots on the cover and slide it down.
  3. Install the batteries, according to the polarity symbols (+ and -) inside.
  4. Replace the cover, then reinsert the belt clip (if desired).

The radio's range decreases as battery power decreases. To ensure maximum range, keep fresh batteries in the radio.

When the batteries weaken, a tone sounds for about 5 seconds, the radio will not transmit or receive, and an error tone sounds whenever you press **PTT**, **MON**, or **CALL**. Replace the batteries.

**Warning:** Dispose of old batteries promptly and properly. Do not burn or bury them.

**Caution:** If you do not plan to use the radio for a week, remove the batteries. Batteries can leak chemicals that can destroy electronic parts.





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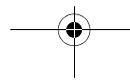
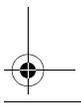
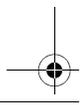
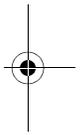
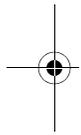
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## SELECTING A CHANNEL

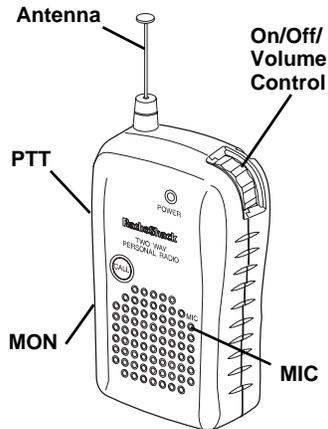
1. Remove the battery compartment cover.
2. *To set the radio to transmit on Channel 1, use a pointed object (such as a straightened paper clip) to slide the switch inside the battery compartment to CH 1.*

*To set the radio to transmit on Channel 8, use a pointed object (such as a straightened paper clip) to slide the switch inside the battery compartment to CH 8.*

3. Replace the battery compartment cover.



## OPERATION



**On/Off/Volume** — rotate to turn the radio on and off and adjust the volume. Warbling tones sound when you turn the radio on.

**Antenna** — extend when receiving and transmitting.

**CALL** — hold down to page another radio tuned to the same frequency. The radio rings. Hold down **CALL** for about 6 seconds. The ring stops.

**POWER** — lights when the radio is on.

**MON** (monitor) — press to hear everything happening on a channel, including weak transmissions. Release to turn auto-squelch back on.

**PTT** (push to talk) — press to transmit. Speak into the microphone, then release at the end of your message.

**MIC** — microphone

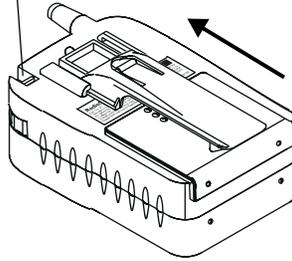
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## ATTACHING THE BELT CLIP

Slide the belt clip onto the tab at the back of the radio until it clicks. Then slide the clip over your belt. To remove the clip, pull up on the middle tab of the clip and slide the clip down.

### Attach Optional Safety Chain



## ATTACHING AN OPTIONAL SAFETY CHAIN

To use an optional safety chain (available at your local RadioShack store), clip the chain to the bar behind the On/Off/Volume control.

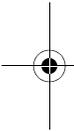


## **CARE**

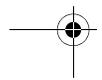
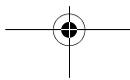
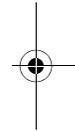


To enjoy your Personal Two-Way Radio for a long time:

- Keep the radio dry. If it gets wet, wipe it dry immediately.
- Use and store the radio only in normal temperature environments.
- Handle the radio gently and carefully. Don't drop it.
- Keep the radio away from dust and dirt.
- Wipe the radio with a damp cloth occasionally to keep it looking new.



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 use it. If your radio is not performing as it should, take it to your local RadioShack store for assistance.





## **FCC NOTICE**



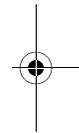
**Important:** Do not open your radio to make any internal adjustments. Your radio is set to transmit a regulated signal on an assigned frequency. It is against the law to alter or adjust the settings inside the radio to exceed those limitations. Any adjustments made to your radio must be made by a qualified 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.



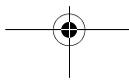
Your radio might cause TV or radio interference even when it is operating properly. To determine whether your radio is causing the interference, turn it off. If the interference goes away, your radio is causing it.



Try to eliminate the interference by:

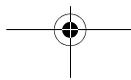
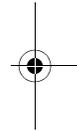
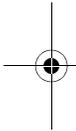
- moving your radio away from the receiver
- calling your local RadioShack store for help

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





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.





## **SPECIFICATIONS**



Channel ..... 2×: 1 and 8  
 Power Output ..... 100 mW  
 Frequency ..... 462.5625 MHz  
 or 467.5625 MHz

**Battery Life:**

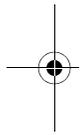
Alkaline ..... 22 Hours  
 (1050 mAh)  
 Ni-Cd ..... 7 Hours  
 (300 mAh)

**Operating**

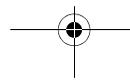
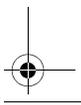
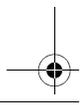
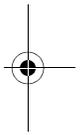
Temperature ..... 17.6° to 122°F  
 (–8° to 50°C)

Weight (with Batteries) ..... 5.4 oz  
 (152 g)

Dimensions (without Belt Clip):  
 $2\frac{1}{2} \times 4\frac{1}{3} \times 1\frac{7}{16}$  in  
 (63 × 110 × 37 mm)



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,  
200 Taylor Street, 6th Floor, Fort Worth, TX 76102

*We Service What We Sell* 04/99

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