

### Limited Ninety-Day Warranty

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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.

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*We Service What We Sell*

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## Owner's Manual

Cat. No. 21-1821

- License-Free
- Clear Communications  
Up to a Mile
- Power Indicator
- Automatic Squelch
- Paging Feature
- Modulation Limiter
- 14 Channel Selection

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 Two-Way Family 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 (Ch1, 462.5625 MHz, to Ch14, 467.7125 MHz.) as your radio.

**Auto-Squelch** — silences the radio unless someone is transmitting nearby on the same channel. You can turn off auto-squelch to hear weaker, distant transmissions (see Pages 4 and 5, please update page number if changed).

**Built-In Modulation Limiter Circuit** — automatically adjusts the radio for a wide variety of voice levels to ensure a clear transmission.

**External Mic/EAR Jack** — lets you connect an optional external mic and headset.

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

## INSTALLING BATTERIES

Your radio uses four AAA batteries for power. We recommend RadioShack alkaline batteries. You can also use Ni-Cd RadioShack rechargeable battery and charge them in the radio with an AC adapter (Cat. No. 273-1662). See "Charging Rechargeable Ni-Cd Batteries" on Page 4.

1. Be sure the radio is off, then pull the belt clip down and slide it off. (See "Using the Belt Clip" on Page 5. (please update page number if changed).)
2. Pull the battery compartment cover down and lift the cover to remove it.
3. Slide the On/Off switch in the battery compartment to On (for rechargeable Ni-Cd batteries) or Off (for alkaline batteries).
4. Install the batteries, matching the polarity symbols (+ and -) inside the compartment.
5. Replace the cover. Then reinsert the belt clip if desired.

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

The radio's range decreases as battery power decreases. To ensure maximum range, keep fresh batteries in the radio. If a tone sounds while the radio is idle or receiving, replace the batteries.

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.

## Charging rechargeable ni-cd batteries

Before using the radio with rechargeable Ni-Cd batteries, you must charge the batteries for 24 hours.

1. Be sure the radio is off then slide Charge On/Off to On. Attach the AC adapter's 3.5 mm outer-diameter/1.3 mm inner-diameter barrel plug to the AC adapter and set the tip to positive (+).
2. Plug the adapter into the DC input jack.

**Note:** The jack is for charging Ni-Cd batteries only. Connecting an adapter, even with Charge On/Off set to Off, will not power the radio.

3. Connect the other end of the adapter to standard AC outlet.

## USING 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 down.

## USING THE HAND STRAP

Slide the hand strap's small loop under the bar next to **VOLUME/UP**. You might need to use a small screw driver or a straightened paper clip to do this. Then pull the large loop through the small loop.

## CARE

To enjoy your Family 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 invalidate its warranty. 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 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.

## SPECIFICATIONS

No. of Channel ..... 14

Power Output ..... 200 mW ERP

Frequency :

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

Minimum Operating Temperature:

17.6° Fahrenheit

(-8° Celsius)

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

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## USING THE RADIO

You can cause a paging tone to sound on other radios set to the same channel. To send a page, hold down **CALL**.

Power Indicator

Rotate to turn the transceiver on and off and adjust the volume. Warbling tones sound when you turn the radio on.

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 microphone/speaker with a 3/32-inch mini plug and 1/8-inch plug to the Mic/Ear jacks (or an earphone with a 1/8-inch plug to the EAR jack).

Speaker

To talk, hold down **PTT** (push to talk). Speak into the microphone. When you finish speaking, release **PTT**.

Antenna

Microphone

Charge Ni-Cd batteries with the DC 9V input jack.

Channel setting:

Set the DIP switch as follows:

