

# Owner's Manual

Cat. No. 21-1801

## SPECIFICATIONS

Audio Power Output .....	200 mW
Frequency .....	462.5625 MHz (FRS Channel 1)
Power .....	6.0 VDC
Dimensions (HWD).....	8 1/4 x 2 1/4 x 1 1/2 Inches (210 x 57 x 38 mm)
Weight (without batteries).....	5.08 oz (144 g)

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



## FRS-101

- n No License Required!
- n Clear Communications  
Up to 1 Mile
- n Low Battery Indicator
- n Automatic Squelch
- n Paging Feature
- n Hand Strap and Belt Clip

### RadioShack Limited Warranty

This product is warranted against defects for 90 days from date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. Within this period, we will repair it without charge for parts and labor. Simply **bring your RadioShack sales slip** as proof of purchase date to any RadioShack store. Warranty does not cover transportation costs. Nor does it cover a product subjected to misuse or accidental damage.

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

*We Service What We Sell* 10/95

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**  
**A Division of Tandy Corporation**  
**Fort Worth, Texas 76102**

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**RadioShack™**

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## INTRODUCTION

Your RadioShack FRS-101 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 an FRS radio set to the same *frequency* (462.5625 MHz, FRS Channel 1) as your FRS-101.

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).

Your radio also has a built-in *modulation limiter circuit*, which automatically adjusts the radio for a wide variety of voice levels to ensure a clear transmission.

The supplied hand strap and belt clip let 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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## 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 FRS-101 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.

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## ATTACHING THE BELT CLIP

(illustration)

Slide the belt clip onto the tab on the back of the radio. Then slide the belt clip over your belt.

To remove the belt clip, pull the belt clip down and slide it off.

## ATTACHING THE HAND STRAP

Slide the hand strap's small loop under the bar next to **VOLUME/OFF**. Then pull the large loop through the small loop.

(illustration)

## 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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## INSTALLING BATTERIES

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

**Note:** You can also use rechargeable batteries (such as Cat. No. 23-125) in the radio.

Be sure the radio is off, then pull down the tab at the bottom of the battery compartment. Lift up the bottom of the cover to remove it.

Install the batteries as indicated by the polarity symbols (+ and -) inside the compartment. Then replace the cover and push the tab onto the cover to latch it.

(illus - show batteries being installed in the compartment, with polarities on batteries. Also show the cover off the compartment and at the end of the compartment.)

**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 the battery power decreases. To ensure maximum range, keep fresh batteries installed in the radio.

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## USING THE RADIO

### Antenna

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

To hear everything happening on a channel, including weak transmissions, hold down **MONI** (monitor). The RX indicator lights. Release **MONI** to turn auto-squelch back on.

Lights when you transmit a message or press **CALL**.

Lights when you receive a transmission.

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

(illus - show radio turned slightly sideways to show **MONI** and **PTT** keys)

You can cause a paging tone to sound on all radios tuned to FRS Channel 1. To send a page, hold down **CALL**.

If the LO BATT indicator lights, replace the batteries.

**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.

**Note:** The LO BATT indicator might continuously appear if the temperature drops below about 14°F (-10°C). You can still use the radio if this happens.

The LO BATT indicator disappears as the radio warms up (unless the battery power is low).

### Microphone

### Speaker

4

5