







## **SPECIFICATIONS**

Audio Power Output	200 mW
Frequency	462.5625 MHz (FRS Channel 1)
Power	6.0 VDC
Dimensions (HWD)	
	(210 x 57 x 38 mm)
Weight (without batte	eries)5.08 oz
	(144 g)

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

# **Owner's Manual**

Cat. No. 21-1801



FRS-101



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. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WAR-RANTIES ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. Some states do not permit limitation or exclusion of implied warranties; therefore, the afore-

said limitation(s) or exclusion(s) may not apply to the purchaser.
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

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 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

Printed in Hong Kong





1A7



















## 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:

© 1997 Tandy Corporation. All Rights Reserved. RadioShack is a trademark used by 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 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.



















## 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.



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.

### **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.























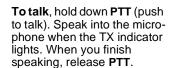
## **USING THE RADIO**

#### 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.



(illus - show radio turned to show MONI

Lights when you receive a transmission.

slightly sideways 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.

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.

If the LO BATT indicator lights, replace the batteries.

Note: The LO BATT indicator might continuously appear if the temperature drops below about 14xF (-10xC). 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











