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› SOCOTRAN SC-R40 Rechargeable FRS Two-Way Radio Instruction Manual

SOCOTRAN SC-R40

SOCOTRAN SC-R40 Rechargeable FRS Two-Way Radio Instruction Manual

Brand: SOCOTRAN | Model: SC-R40

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective operation of your SOCOTRAN SC-R40 Rechargeable FRS Two-Way Radio. Please read this manual thoroughly before use and retain it for future reference.

2. PACKAGE CONTENTS

Your SOCOTRAN SC-R40 package includes the following items:

- 2 x SOCOTRAN SC-R40 Two-Way Radios
- 2 x Rechargeable Lithium-Ion Batteries
- 2 x Adjustable Lanyards
- 1 x USB Charging Cable
- 1 x User's Manual (this document)



Figure 2.1: Included components of the SOCOTRAN SC-R40 package.

3. PRODUCT FEATURES

The SOCOTRAN SC-R40 Two-Way Radio offers a range of features designed for reliable communication:

- **Rechargeable Li-ion Battery:** 1500mAh battery provides up to 72 hours of standby time and 18 hours of continuous use.
- **Extended Range:** Up to 5 miles communication range with 0.5W output (actual range varies by terrain).
- **Integrated Flashlight:** Built-in flashlight for illumination in low-light conditions.
- **VOX Function:** Voice-activated transmission for hands-free operation.
- **Keypad Lock:** Prevents accidental changes to settings.
- **22 Channels with Auto Scan:** Easy channel selection and scanning for active channels.
- **121 Privacy Codes (CTCSS/DCS):** Offers 3,124 channel options to minimize interference.
- **Rugged Design:** Built with 1.2m drop resistance for durability.



Figure 3.1: Overview of SOCOTRAN SC-R40 key features.

4. SETUP

4.1 Battery Installation

1. Locate the battery compartment cover on the back of the radio.
2. Slide the cover downwards to open the compartment.
3. Insert the rechargeable Li-ion battery, ensuring correct polarity.
4. Replace the battery compartment cover and slide it upwards until it clicks into place.

4.2 Charging the Batteries

The SC-R40 radios feature a convenient USB charging design.

1. Connect the provided USB charging cable to the charging port on the side of the radio.
2. Plug the other end of the USB cable into a compatible power source such as a power bank, laptop, car charger, or PC.
3. The charging indicator light will illuminate to show the charging status.
4. Allow approximately 2 hours for a full charge.

1500mAh Rechargeable Li-ion Battery
Standby Time: 72 Hours
Continuous Usage Time: 18Hours



Figure 4.1: Various charging methods for the SC-R40 walkie-talkie.

4.3 Attaching Lanyard and Belt Clip

To attach the adjustable lanyard, thread it through the small loop located at the top of the radio. The belt clip can be attached to the designated slot on the back of the radio for easy carrying.



Figure 4.2: Walkie-talkie with attached lanyard for convenient carrying.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

To power on the radio, rotate the power/volume knob clockwise until you hear a click and the display illuminates. To power off, rotate the knob counter-clockwise until it clicks off.

5.2 Channel Selection

Your SC-R40 radio has 22 FRS channels. To change channels:

1. Press the **MENU** button once. The channel number on the display will flash.
2. Use the **UP** or **DOWN** arrow buttons to select your desired channel.
3. Press **MENU** again to confirm your selection, or wait a few seconds for the setting to automatically save.

5.3 Adjusting Volume

Rotate the power/volume knob clockwise to increase the volume and counter-clockwise to decrease it.

5.4 Transmitting and Receiving (PTT)

To transmit, press and hold the **PTT (Push-To-Talk)** button located on the side of the radio. Speak clearly into the microphone. Release the PTT button to receive incoming transmissions.

5.5 VOX (Voice Operated Exchange) Function

The VOX function allows for hands-free communication. When activated, the radio will automatically transmit when it detects your voice, without needing to press the PTT button.

1. Press the **MENU** button multiple times until the VOX icon appears on the display.
2. Use the **UP** or **DOWN** arrow buttons to select the VOX sensitivity level (1-3, with 3 being most sensitive) or turn VOX off.
3. Press **MENU** to confirm.

5.6 Keypad Lock

To prevent accidental changes to your settings, you can lock the keypad. Press and hold the **MENU** button until the key lock icon appears on the display. Repeat the process to unlock the keypad.

5.7 Flashlight

To activate the built-in flashlight, press the **LAMP** button. Press it again to turn off the flashlight.

5.8 Channel Scan

The auto scan feature allows you to quickly find active channels. Press the **SCAN** button to initiate channel scanning. The radio will stop on any active channel. Press **SCAN** again to resume scanning or **PTT** to transmit on the current channel.

5.9 Privacy Codes (CTCSS/DCS)

To ensure private communication, you can use privacy codes. Your radio supports 121 privacy codes (38 CTCSS and 83 DCS). To set a privacy code:

1. Press the **MENU** button twice (for CTCSS) or three times (for DCS). The code number will flash.
2. Use the **UP** or **DOWN** arrow buttons to select your desired code.
3. Press **MENU** to confirm.

6. RANGE AND ENVIRONMENT

The SOCOTRAN SC-R40 offers an ideal range of up to 5 miles. However, actual range can vary significantly based on terrain, weather conditions, and obstructions. For optimal performance, use in open, flat areas with minimal interference.



Figure 6.1: The compact size of the SC-R40 walkie-talkie.

7. MAINTENANCE

7.1 Battery Care

- Fully charge batteries before first use.
- Recharge batteries when the low battery alert flashes.
- Avoid exposing batteries to extreme temperatures.

7.2 Cleaning

Wipe the radio with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

8. TROUBLESHOOTING

If you experience issues with your radio, try the following:

- Ensure both radios are powered on and have sufficient battery charge.
- Verify that both radios are set to the same channel and privacy code.
- Check the volume level on both radios.

- Move to an area with fewer obstructions if experiencing poor reception.

9. SPECIFICATIONS

Feature	Specification
Model Number	SC-R40
Item Weight	1.6 ounces
Product Dimensions	4.9 x 1.9 x 0.9 inches
Batteries	2 Lithium Ion batteries (included)
Number of Channels	22
Frequency Range	FRS
Talking Range Maximum	5 Kilometers
Voltage	2 Volts
Water Resistance Level	Not Water Resistant

10. WARRANTY AND SUPPORT

SOCOTRAN provides a one-year warranty for all SOCOTRAN walkie-talkies. If you encounter any issues such as damaged packaging, need an exchange, or require a refund, please contact customer service for assistance.

11. OFFICIAL PRODUCT VIDEOS

Rechargeable Walkie Talkies for Kids 2 Packs

Your browser does not support the video tag.

Video 11.1: A seller-provided video demonstrating the features and use of rechargeable walkie-talkies for children.

rechargeable walkie talkies for kids play at neighborhood enjoy outdoor weekend sunshine

Your browser does not support the video tag.

Video 11.2: A seller-provided video showcasing children using rechargeable walkie-talkies for outdoor play.