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> Proster Rechargeable Walkie Talkies User Manual

Proster PST78

Proster Rechargeable Walkie Talkies User Manual

Model: PST78 | Brand: Proster

1. INTRODUCTION

This user manual provides essential information for the safe and effective operation of your Proster Rechargeable Walkie Talkies. These two-way radios are designed for reliable communication over distances up to 2 miles in open areas, featuring 16 channels, a rechargeable battery, and convenient USB charging. Please read this manual thoroughly before use.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 2 x Portable Radios
- 2 x Earphones
- 2 x Li-ion Battery Packs
- 2 x Belt Clips
- 2 x Slings
- 1 x User's Manual



Figure 2.1: Complete package contents of the Proster Walkie Talkies.

3. PRODUCT OVERVIEW

Familiarize yourself with the key components and controls of your walkie talkie:



Figure 3.1: Labeled diagram of the Proster Walkie Talkie components.

- **Antenna:** For transmitting and receiving signals.
- **Flashlight:** Integrated LED light for illumination.
- **Channel Switch:** Rotary knob to select one of 16 available channels.
- **Power Switch/Volume Control:** Rotary knob to turn the unit on/off and adjust volume.
- **Talking Signal Indicator:** LED light that indicates transmission (red) or reception (green).
- **SP/MIC Jacks:** Ports for connecting the included earpiece with microphone.
- **MIC:** Built-in microphone for voice input.
- **PTT Button (Push-to-Talk):** Press and hold to transmit your voice.
- **Moni Button (Monitor):** Used to temporarily disable squelch to listen for weak signals.
- **Function Key:** Additional programmable function key.
- **Belt Clip:** For attaching the radio to a belt or pocket.
- **Rubber (Non-slip Design):** Textured sides for improved grip.

4. SETUP

4.1 Battery Installation

Ensure the battery pack is securely attached to the back of the walkie talkie. Align the battery with the contacts and slide it into place until it clicks.

4.2 Charging the Battery

The walkie talkies come with a 1500mAh Li-ion rechargeable battery. There are two primary charging methods:

- **Interphone Charging:** Place the entire walkie talkie unit into the charging base.
- **Battery Charging:** Remove the battery pack from the walkie talkie and place only the battery pack into the charging base.

Connect the USB cable from the charging base to a compatible USB power source (e.g., PC, car charger, wall adapter, power bank). The charging indicator light will be red during charging and turn green when fully charged. A full charge typically takes 2-3 hours, providing 18-24 hours of continuous use.



Figure 4.1: Two USB charging modes for the walkie talkies.

4.3 Attaching Accessories

The included belt clip can be attached to the back of the radio for convenient carrying on your belt or pocket. The earphones can be plugged into the SP/MIC jacks on the side of the radio for hands-free operation.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off and Volume Adjustment

To power on the walkie talkie, rotate the Power Switch/Volume Control knob clockwise. You will hear a 'Power On' voice prompt. Continue rotating the knob to adjust the volume. Rotate counter-clockwise to decrease volume and power off the unit.

5.2 Channel Selection

The walkie talkies feature 16 memory channels. To select a channel, rotate the Channel Switch knob. The radio will announce the selected channel number. Ensure both walkie talkies are set to the same channel for communication.



Figure 5.1: Setting both walkie talkies to the same channel for communication.

5.3 Transmitting and Receiving

To transmit your voice, press and hold the PTT (Push-to-Talk) button located on the side of the walkie talkie. Speak clearly into the microphone. The Talking Signal Indicator will illuminate red during transmission. Release the PTT button to receive messages. The indicator will illuminate green when receiving.

Video 5.1: Demonstration of powering on, channel selection, and PTT button usage for clear communication.

5.4 Using the Earpiece/Microphone

For hands-free communication, plug the included earpiece with microphone into the SP/MIC jacks. You can then use the microphone button on the earpiece cable to transmit, keeping the walkie talkie clipped to your belt or in your pocket.

Video 5.2: Illustrates the use of the earpiece and microphone for hands-free operation, including plugging in the headset and clipping the radio to a belt.

5.5 Flashlight Function

The walkie talkie includes a built-in LED flashlight. This can be used as an emergency light or for illumination in dark environments. Refer to the specific function key or button in your user manual for activation.



Figure 5.2: The integrated LED flashlight provides illumination.

5.6 Communication Range

These walkie talkies offer a long communication range of approximately 2 miles in open field conditions. Actual range may vary depending on terrain, obstacles (buildings, trees), and electromagnetic interference. They are suitable for various activities such as outdoor adventures, construction sites, or general communication needs.

2 Miles Talking Range



Figure 5.3: Examples of usage scenarios demonstrating the 2-mile talking range.

6. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the exterior of the walkie talkie. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:** To prolong battery life, avoid overcharging and fully discharging the battery frequently. Store the walkie talkie and battery in a cool, dry place when not in use for extended periods.
- **Storage:** Keep the walkie talkies away from extreme temperatures, direct sunlight, and moisture.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Battery is low or not installed correctly.	Charge the battery or ensure it is properly installed.
Cannot communicate with other radios	Radios are on different channels or out of range.	Set both radios to the same channel. Move closer to the other radio.
Poor sound quality/static	Interference, weak signal, or low battery.	Change channels, move to an open area, or charge the battery.
Flashlight not working	Battery is low or feature is not activated correctly.	Charge the battery. Refer to the manual for flashlight activation.

8. SPECIFICATIONS

Feature	Specification
Model Number	PST78
Frequency Range	FRS462MHz
Number of Channels	16
Talking Range (Max)	2 Miles (in OUTDOOR OPEN FIELD)
Battery Type	1500mAh Li-ion Rechargeable Battery
Charging Time	2-3 hours
Continuous Use Time	18-24 hours
Dimensions (L x W x H)	4.5 x 2.3 x 1.18 inches
Item Weight	14.7 ounces
Special Feature	Portable, LED Flashlight
Water Resistance Level	Not Water Resistant

9. WARRANTY AND SUPPORT

Proster Rechargeable Walkie Talkies come with a one-year warranty from the date of purchase. For technical support, warranty claims, or any inquiries regarding your product, please refer to the contact information provided on the Proster official website or your purchase platform.

