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› eSync PMR446 Walkie-Talkie User Manual - Model 84de040a-f1d3-4c49-992f-6f2f6bcd9502

eSync 84de040a-f1d3-4c49-992f-6f2f6bcd9502

eSync PMR446 Walkie-Talkie User Manual

Model: 84de040a-f1d3-4c49-992f-6f2f6bcd9502

INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your eSync PMR446 Walkie-Talkie set. Please read this manual thoroughly before operating the device and retain it for future reference. The eSync PMR446 Walkie-Talkie is a professional communication device designed for reliable two-way radio communication over distances of 1 to 3 kilometers, depending on terrain and conditions. It features 16 channels, VOX function for hands-free operation, and a rechargeable high-capacity battery.



Image: The eSync PMR446 Walkie-Talkie set, including five portable radios, individual charging bases, and accompanying headsets.

PACKAGE CONTENTS

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

- 5 x Portable Walkie-Talkies (with non-removable antenna)
- 5 x Earphones
- 5 x Lithium-ion Batteries
- 5 x Charging Bases with USB Cable
- 5 x Belt Clips
- 5 x Lanyards
- 2 x Instruction Manuals

PRODUCT OVERVIEW

Familiarize yourself with the main components of your eSync PMR446 Walkie-Talkie:

- **Antenna:** For transmitting and receiving signals. (Non-removable)
- **Power/Volume Knob:** Turn clockwise to power on and increase volume; turn counter-clockwise to decrease volume and power off.

- **Channel Selector Knob:** Rotate to select one of the 16 available channels.
- **PTT (Push-to-Talk) Button:** Press and hold to transmit your voice; release to receive.
- **MONI (Monitor) Button:** Press to temporarily disable squelch and listen for weak signals.
- **Flashlight Button:** Activates the integrated LED flashlight.
- **Speaker/Microphone:** For audio output and voice input.
- **Accessory Jack:** For connecting the included earphone/headset.
- **Battery Compartment:** Houses the rechargeable lithium-ion battery.
- **Belt Clip Slot:** For attaching the belt clip.

SETUP

1. Battery Installation and Charging

1. Ensure the walkie-talkie is powered off.
2. Locate the battery compartment cover on the back of the unit and remove it.
3. Insert the lithium-ion battery into the compartment, ensuring the contacts align correctly.
4. Replace the battery compartment cover.
5. Place the walkie-talkie into its charging base.
6. Connect the USB cable from the charging base to a compatible USB power adapter (e.g., mobile phone adapter) or a USB port.
7. The charging indicator light on the base will show the charging status. A full charge typically takes approximately 3 hours.
8. A low battery alarm will sound when the battery level is critical, indicating it's time to recharge.

2. Attaching Belt Clip and Lanyard

- **Belt Clip:** Align the belt clip with the slot on the back of the walkie-talkie and slide it down until it clicks into place.
- **Lanyard:** Thread the lanyard through the designated loop on the top or side of the walkie-talkie for secure carrying.

3. Connecting Headset

- Insert the headset's plug firmly into the accessory jack on the side of the walkie-talkie.
- Ensure the connection is secure for optimal audio performance.

OPERATING INSTRUCTIONS

1. Power On/Off and Volume Adjustment

- To power on, rotate the Power/Volume knob clockwise until you hear a click and a voice prompt.
- Continue rotating clockwise to increase the volume.
- Rotate counter-clockwise to decrease the volume.
- To power off, rotate the Power/Volume knob counter-clockwise until you hear a click.

2. Channel Selection

- Rotate the Channel Selector knob to choose one of the 16 available channels.
- Ensure all walkie-talkies intended for communication are set to the same channel.
- The device supports 50 CTCSS and CDCSS groups per channel for enhanced privacy and reduced

interference. These are factory pre-set.

3. Transmitting and Receiving

- To transmit, press and hold the PTT (Push-to-Talk) button. Speak clearly into the microphone.
- Release the PTT button to stop transmitting and return to receive mode.
- When receiving a signal, the LED indicator may light up, and you will hear the incoming audio through the speaker or connected headset.

4. VOX Function (Hands-Free Operation)

The VOX function allows you to transmit by speaking into the microphone without pressing the PTT button.

- To activate VOX: While the walkie-talkie is OFF, press and hold both the PTT button and the MONI button simultaneously.
- While holding these buttons, turn the Channel Selector knob to channel 1, 2, 3, 4, or 5.
- Then, power on the walkie-talkie. The VOX function will now be active.

5. Emergency Alarm / Call Alert

The walkie-talkie includes an emergency alarm and call alert feature. Refer to the specific instructions provided with your device for activation and usage of these features, as they may vary.

6. Using the Flashlight

- Press the dedicated Flashlight button to turn the integrated LED light on or off. This is useful in low-light conditions.



Image: The eSynic walkie-talkie is suitable for outdoor activities like hiking, providing reliable communication in various environments.



Image: The compact design of the eSync walkie-talkie makes it practical for professional use in settings such as restaurants.



Image: The eSync walkie-talkie facilitates clear communication in group activities, making it easy for adults and children to use.



Image: The eSync walkie-talkie is a useful tool for coordinating tasks during outdoor activities like camping.

MAINTENANCE

1. Cleaning

- Wipe the walkie-talkie with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure the device is dry before use or storage.

2. Battery Care

- Charge the batteries fully before first use.
- Avoid overcharging or completely draining the batteries to prolong their lifespan.
- If storing the walkie-talkies for an extended period, charge the batteries to about 50% and remove them from the units.

3. Storage

- Store the walkie-talkies in a cool, dry place, away from direct sunlight and extreme temperatures.
- Keep out of reach of children.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Battery drained or not installed correctly.	Charge the battery. Ensure battery is correctly inserted.
Cannot transmit or receive	Incorrect channel, out of range, or low battery.	Verify all units are on the same channel. Move closer to other units. Recharge battery.

Problem	Possible Cause	Solution
Poor audio quality	Weak signal, interference, or volume too low.	Move to an open area. Adjust volume. Check for obstructions.
VOX not working	VOX not activated correctly.	Follow VOX activation steps precisely (PTT + MONI + Channel 1-5 + Power On).

SPECIFICATIONS

Feature	Detail
Brand	eSynic
Model Number	84de040a-f1d3-4c49-992f-6f2f6bcd9502
Color	Black
Number of Channels	16
Frequency Range	446-446 MHz (PMR446)
Maximum Range	1.5 Kilometers (actual range varies with terrain)
Voltage	3.7 Volts
Battery Type	Lithium-polymer (5 included)
Average Battery Life	12 hours (frequent use), up to 72 hours (standby)
Charging Time	Approx. 3 hours for full charge
Item Weight	139 Grams
Water Resistance Level	Not waterproof (IPX0)
Special Features	Emergency alarm, Call alert, Long range, Integrated flashlight, VOX function
Compatible Devices	Other BF-888 walkie-talkies, PMR446 devices, earphones
Tuner Type	UHF

WARRANTY AND SUPPORT

eSynic products are designed for reliability and performance. For warranty information, please refer to the documentation included with your purchase or contact your retailer. For technical support or inquiries, please reach out to eSynic customer service through the contact information provided on the product packaging or the official eSynic website.

