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Dynascan EU-85 Walkie Talkie User Manual

Professional License-Free PMR-446 Transceiver

1. INTRODUCTION

The Dynascan EU-85 is a robust, license-free PMR-446 walkie-talkie designed for professional users requiring clear and powerful audio communication. This portable transceiver offers a reliable solution for various environments, featuring a durable metal casing and IP55 protection against dust and water splashes. It provides flexible channel selection and extensive privacy code options to ensure optimal signal clarity and minimize interference.



The Dynascan EU-85, a professional license-free radio.



Introducing the new Dynascan EU-85, a professional PMR-446 walkie-talkie.

2. SAFETY INFORMATION

Please read and understand all safety precautions before operating your Dynascan EU-85. Failure to do so may result in injury or damage to the device.

- **Battery Safety:** Use only the specified battery and charging accessories. Do not disassemble, puncture, or expose the battery to extreme temperatures or fire.
- **Charging:** Charge the device in a well-ventilated area. Do not charge near flammable materials.
- **Water and Dust Resistance:** The device is IP55 rated, meaning it is protected against dust ingress and low-pressure water jets from any direction. It is not designed for submersion. Ensure all port covers are securely closed before exposure to water or dust.
- **Antenna:** Do not touch the antenna during transmission.
- **Interference:** Turn off the radio in areas where two-way radio use is prohibited, such as hospitals, aircraft, or near blasting sites.
- **Cleaning:** Use a soft, damp cloth for cleaning. Do not use harsh chemicals or solvents.

3. SETUP

3.1. Unboxing and Package Contents

Carefully unpack your Dynascan EU-85 and verify that all components are present:

- Dynascan EU-85 Walkie-talkie
- Rechargeable Lithium-Ion Battery (2200 mAh)
- Belt Clip
- Charging Base
- Power Adapter
- User Manual (this document)







The Dynascan EU-85 walkie-talkie, battery, belt clip, charging base, and power adapter as included in the box.

3.2. Battery Installation and Charging

The Dynascan EU-85 comes with a 2200 mAh Lithium-Ion battery. For optimal performance, fully charge the battery before first use.

1. Align the battery with the battery compartment on the back of the walkie-talkie.
2. Gently push the battery into place until it clicks securely.
3. Connect the power adapter to the charging base.
4. Place the walkie-talkie into the charging base, ensuring proper contact with the charging terminals.
5. The charging indicator light on the base will illuminate (typically red) during charging and change color (typically green) when fully charged.





The Dynascan EU-85 walkie-talkie placed on its charging base.

3.3. Attaching the Belt Clip

Attach the belt clip to the back of the walkie-talkie using the provided screws for convenient carrying.

3.4. Connecting Accessories

The Dynascan EU-85 is compatible with Motorola 2-pin type accessories, such as earpieces or speaker-microphones.

1. Open the accessory port cover on the side of the radio.
2. Insert the 2-pin connector of your accessory firmly into the port.
3. Ensure a secure connection for proper audio transmission and reception.



A close-up view of the 2-pin accessory port on the Dynascan EU-85.



The Dynascan EU-85 connected to an earpiece, demonstrating its compatibility with Motorola-type accessories.

4. OPERATING INSTRUCTIONS

4.1. Power On/Off and Volume Control

To power on the device, rotate the top-left knob clockwise. Continue rotating to increase the volume. Rotate counter-clockwise to decrease volume and power off.

4.2. Channel Selection

The Dynascan EU-85 supports 16 channels. Use the channel selector knob (top-right) to choose your desired channel. The device can be programmed to select between 8 automatic search channels and 16 manual search channels.

4.3. Privacy Codes (CTCSS/DCS)

To minimize interference and ensure clear communication, the EU-85 can be programmed with 50 CTCSS tones and 214 DCS privacy codes. These codes filter out unwanted transmissions from other radios not using the same code.

4.4. Transmitting and Receiving

To transmit, press and hold the Push-To-Talk (PTT) button on the side of the radio. Speak clearly into the microphone. Release the PTT button to receive. Ensure you are on the same channel and privacy code as the party you wish to communicate with.

4.5. Programmable Functions

The Dynascan EU-85 features 2 programmable function keys for quick access to frequently used features. These can be configured for functions such as:

- **VOX (Voice Operated Transmission):** Allows hands-free transmission when your voice is detected.
- **Monitor Function (Squelch):** Temporarily disables the squelch to listen for weak signals or monitor a channel without a privacy code.
- **Priority Scan:** Scans through programmed channels to detect activity.

Refer to the programming software (not included) for detailed configuration of these keys.



Key features of the Dynascan EU-85, including range, shock resistance, water/dust resistance, and programmable keys.



Highlights of the Dynascan EU-85's robust design, IP55 protection, 16 channels, CTCSS/DCS, and powerful audio.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Dynascan EU-85.

- **Cleaning:** Wipe the radio with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the accessory port cover is closed when not in use to prevent dust and moisture ingress.
- **Battery Care:** To maximize battery life, avoid fully discharging the battery frequently. Recharge the battery when the low battery indicator appears. If storing the radio for an extended period, charge the battery to about 50% and remove it from the radio.
- **Storage:** Store the radio in a cool, dry place away from direct sunlight and extreme temperatures.
- **IP55 Rating:** While resistant to dust and splashes, avoid intentionally exposing the radio to heavy rain or submerging it in water. Always ensure the battery cover and accessory port cover are properly sealed.

6. TROUBLESHOOTING

If you encounter issues with your Dynascan EU-85, try the following troubleshooting steps:

Problem	Possible Cause	Solution
Radio does not power on.	Battery is depleted or not properly installed.	Charge the battery. Ensure the battery is securely installed.
Cannot transmit or receive.	Incorrect channel or privacy code. Out of range.	Verify channel and privacy code match other radios. Move closer to the other radio.
Poor audio quality or static.	Weak signal, interference, or squelch setting too high.	Move to an open area. Check for sources of interference. Temporarily disable squelch using the monitor function.
Programmable button not working.	Button not programmed or incorrect function assigned.	Refer to programming instructions (if available) to configure the button.

7. SPECIFICATIONS

Feature	Specification
Model Number	8435550818102
Product Weight	250 g
Product Dimensions (L x W x H)	3.5 x 5.7 x 13 cm
Battery Type	1 Lithium Ion (included)
Battery Capacity	2200 mAh
Color	Black
Number of Channels	16
Frequency Range	446 MHz (PMR-446)
Maximum Talk Range	Up to 10 Kilometers (environment dependent)
Tuner Technology	UHF
Water Resistance Level	IP55 (Dust and Splash Resistant)
Special Features	Noise reduction, Long range, Weather resistant, Automatic squelch, Voice operated transmission (VOX)
Manufacturer	Pihernz Comunicaciones S.A.
Country of Origin	China

8. WARRANTY AND SUPPORT

8.1. Warranty Information

Warranty terms and conditions for the Dynascan EU-85 are typically provided at the point of purchase or within the product packaging. Please retain your proof of purchase for any warranty claims. For specific warranty details, contact your retailer or the manufacturer.

8.2. Customer Support

For further assistance, technical support, or inquiries regarding your Dynascan EU-85, please visit the official Dynascan brand store or contact their customer service department.

Dynascan Brand Store: <https://www.amazon.es/stores/DYNASCAN/page/26E8188E-BCEC-4457-9B39-898CF5FD03EC>

	<p>DYNASCAN LP-66 VHF-FM PMR Handportable Transceiver User Manual</p> <p>Comprehensive user manual for the DYNASCAN LP-66 VHF-FM PMR Handportable Transceiver, covering setup, operation, features, specifications, and troubleshooting. Includes detailed menu explanations and compliance information.</p>
	<p>Dynascan R-58 PMR-446 Handportable Transceiver User Manual</p> <p>Comprehensive user manual for the Dynascan R-58 PMR-446 handportable transceiver, covering features, operation, maintenance, safety precautions, and technical specifications. Available in Spanish and English.</p>
	<p>DynaScan DS552LT6-1 User Manual: Installation, Operation, and Specifications</p> <p>Comprehensive user manual for the DynaScan DS552LT6-1 professional LCD display, covering installation, operation, safety precautions, troubleshooting, and technical specifications.</p>
	<p>DynaScan DS323LT4 32" Clean Back Digital Signage User Manual</p> <p>User manual for the DynaScan DS323LT4 32-inch Clean Back Digital Signage display. Covers installation, operation, safety, troubleshooting, and specifications for professional use.</p>
	<p>DynaScan Premium Visual Solutions Product Catalog</p> <p>Explore DynaScan's comprehensive range of premium visual solutions, including ultra-high brightness LCD displays for indoor and outdoor applications, specialized window-facing displays, and robust outdoor kiosks. Discover advanced technology for sunlight readability, durability, superior color reproduction, and versatile installation options.</p>