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Dynascan LP-66

Dynascan LP-66 Professional VHF Walkie-Talkie

Model: LP-66

1. INTRODUCTION

Thank you for choosing the Dynascan LP-66 Professional VHF Walkie-Talkie. This device is engineered for robust and clear two-way radio communication, operating within the 66-88 MHz frequency band. With its durable design and advanced features, the LP-66 is ideal for professional use in various environments requiring reliable short-range communication. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Dynascan LP-66.

2. SAFETY INFORMATION

Please read and understand all safety instructions before using the Dynascan LP-66. Failure to follow these instructions may result in injury, damage to the device, or voiding of the warranty.

- **Battery Safety:** Use only the specified battery and charger. Do not short-circuit, incinerate, or disassemble the battery. Dispose of batteries properly according to local regulations.
- **Antenna:** Do not touch the antenna during transmission. Avoid using the radio with a damaged antenna, as it may cause minor burns.
- **Explosive Environments:** Do not operate the radio in environments with flammable gases, vapors, or explosive dust.
- **Water Exposure:** This device is not water-resistant. Avoid exposure to water or high humidity.
- **Interference:** Turn off the radio in areas where radio devices are prohibited, such as hospitals or aircraft.
- **Cleaning:** Use a soft, dry cloth for cleaning. Do not use harsh chemicals or solvents.
- **Service:** Do not attempt to repair the device yourself. Refer all servicing to qualified personnel.

3. PACKAGE CONTENTS

Upon opening the package, please verify that all the following items are included:

- Dynascan LP-66 Walkie-Talkie Unit
- Rechargeable Battery

- Desktop Charger Cradle
- AC Power Adapter for Charger
- Belt Clip
- Hand Strap
- User Manual (this document)



Figure 3.1: The Dynascan LP-66 walkie-talkie shown with its complete set of accessories, including the radio unit, battery, charger, power adapter, belt clip, and hand strap.

4. PRODUCT OVERVIEW

Familiarize yourself with the components of your Dynascan LP-66 walkie-talkie.





Figure 4.1: Front view of the Dynascan LP-66, displaying the display screen, keypad, and antenna.





Figure 4.2: Top view of the LP-66, highlighting the power/volume knob and channel selector knob, along with the antenna connector.



Figure 4.3: Side view of the LP-66, showing the dual audio accessory jacks for connecting external microphones or earpieces.



Figure 4.4: Another side view of the LP-66, illustrating the USB charging port and the attachment point for the belt clip.

5. SETUP

5.1 Battery Installation

1. Ensure the radio is powered off.
2. Align the battery pack with the grooves on the back of the radio.
3. Slide the battery pack upwards until it clicks into place.
4. To remove, press the battery release latch (if present) and slide the battery downwards.

5.2 Charging the Battery



Figure 5.1: The desktop charger cradle and AC power adapter for the Dynascan LP-66.

1. Connect the AC power adapter to the charger cradle.
2. Plug the AC power adapter into a standard wall outlet.
3. Place the radio (with battery installed) into the charger cradle. Ensure the charging contacts align.
4. The charging indicator light on the cradle will illuminate (typically red for charging, green for fully charged).
5. A full charge typically takes 3-4 hours. Do not overcharge the battery.

5.3 Attaching the Antenna

Screw the antenna clockwise into the connector on the top of the radio until it is finger-tight. Do not overtighten.

5.4 Attaching the Belt Clip and Hand Strap

Attach the belt clip to the designated screws on the back of the radio. The hand strap can be looped through the eyelet on the side or top of the radio for secure carrying.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off and Volume Control

Rotate the power/volume knob (typically the left knob on top) clockwise to turn the radio on. Continue rotating clockwise to increase the volume. Rotate counter-clockwise to decrease volume and turn the radio off.

6.2 Channel Selection

Rotate the channel selector knob (typically the right knob on top) to select the desired communication channel. The selected channel number will be displayed on the screen. The LP-66 supports up to 400 channels.

6.3 Transmitting and Receiving

- **Receiving:** When the radio is on and tuned to an active channel, it will automatically receive incoming transmissions. The speaker will output the audio.
- **Transmitting:** To transmit, press and hold the Push-To-Talk (PTT) button, usually located on the side of the radio. Speak clearly into the microphone, holding the radio approximately 2-5 cm from your mouth. Release the PTT button to stop transmitting and return to receive mode.

6.4 Keypad Functions (if applicable)

The LP-66 features a basic keypad for additional functions. Refer to the on-screen prompts or specific programming instructions for advanced features such as frequency input, scanning, or squelch level adjustment.

7. MAINTENANCE

7.1 Cleaning

Wipe the radio's surface with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals. Ensure the radio is dry before use or charging.

7.2 Battery Care

- Charge the battery fully before first use.
- Avoid completely discharging the battery frequently, as this can reduce its lifespan.
- If storing the radio for an extended period, remove the battery and store it in a cool, dry place at approximately 50% charge.

7.3 Storage

Store the radio in a dry, dust-free environment away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not power on.	Battery is not installed correctly or is discharged.	Ensure battery is properly installed. Charge the battery fully.
Cannot transmit or receive.	Incorrect channel selected; out of range; antenna not attached.	Verify channel. Move closer to other radios. Ensure antenna is securely attached.
Poor audio quality or static.	Low battery; weak signal; interference.	Charge battery. Move to an area with better signal. Check for sources of interference.
Charger indicator not lighting up.	Power adapter not connected; radio not seated correctly.	Check power connections. Re-seat the radio in the cradle, ensuring contacts align.

9. SPECIFICATIONS

Feature	Detail
Model Number	LP-66

Feature	Detail
Frequency Range (RX/TX)	66-88 MHz
Number of Channels	Up to 400 channels
Transmission Power	5W
Antenna Impedance	50 Ω
Audio Output	1W @ 8 Ω
Power Source	Rechargeable Battery Pack (included)
Dimensions (Package)	25.1 x 19 x 7.4 cm
Product Weight	640 g
Water Resistance Level	Not water-resistant
Compatible Devices	Other bidirectional devices operating in 66-88 MHz band

10. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or contact your point of purchase. Dynascan products are designed for reliability and performance.

For technical support or inquiries, please visit the official Dynascan website or contact their customer service department.

[Visit the Dynascan Store on Amazon](#)

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Related Documents - LP-66

	<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>
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 <p>DYNASCAN R-58 TRANSMISOR PORTÁTIL PMR 446 "VHF Professional" PMR-446 HANDPORTABLE TRANSCEIVER "VHF Professional"</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 User Manual DS552LT6-1</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>
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