

[Manuals.plus](#) /

› [Dynascan](#) /

› Dynascan RD-5 Portable Radio Station User Manual

Dynascan DYN-R-5

Dynascan RD-5 Portable Radio Station User Manual

Model: DYN-R-5

INTRODUCTION

The Dynascan RD-5 is a license-free PMR446 portable radio station designed for professional use. It is a compact, robust, and reliable device featuring an alphanumeric LCD display. This manual provides essential information for setting up, operating, and maintaining your Dynascan RD-5 radio.

The Dynascan RD-5 comes with 8 pre-programmed PMR-446 channels and 199 memories, supporting 50 CTCSS sub-tones and 105 programmable DCS codes. Its illuminated display allows you to view the channel number and other relevant operational information. The station is powered by a 7.4 V 1600 mAh rechargeable lithium-ion battery and includes a fast charger and belt clip.

PACKAGE CONTENTS

Please check the package carefully to ensure all items are present:

- Dynascan RD-5 Radio Station (1 unit)
- Belt Clip Support
- Wall Power Adapter
- Li-Ion Battery (1600 mAh, 1 unit)
- User Manual
- Desktop Charger
- Antenna
- Lanyard

PRODUCT OVERVIEW

Familiarize yourself with the components of your Dynascan RD-5 radio station.



Figure 1: Dynascan RD-5 radio station with charging accessories and lanyard.



Figure 2: Front view of the Dynascan RD-5, highlighting the LCD display, M (Menu), F1, F2, F3, and arrow buttons.







Figure 3: Side view of the Dynascan RD-5, showing the attached belt clip and side buttons.





Figure 4: Back view of the Dynascan RD-5, illustrating the battery compartment and belt clip mounting.





Figure 5: Side view of the Dynascan RD-5, displaying the protective cover for the accessory port (e.g., headset/microphone jack).

SETUP

1. Battery Installation

1. Ensure the radio is turned off.
2. Align the Li-Ion battery (1600 mAh) with the battery compartment on the back of the radio.
3. Gently push the battery into place until it clicks securely.
4. Close the battery cover, if applicable, ensuring it is latched.

2. Charging the Battery

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

3. Antenna Attachment

1. Screw the antenna clockwise onto the antenna connector at the top of the radio until it is finger-tight. Do not overtighten.

4. Belt Clip Attachment

1. Align the belt clip with the screw holes on the back of the radio.
2. Secure the belt clip using the provided screws.

OPERATING INSTRUCTIONS

1. Power On/Off and Volume Control

- To power on the radio, rotate the **Power/Volume knob** (located at the top of the radio) clockwise until you hear a click.
- Continue rotating the knob clockwise to increase the volume, and counter-clockwise to decrease it.
- To power off, rotate the knob counter-clockwise until it clicks off.

2. Channel Selection

- The Dynascan RD-5 has 8 PMR446 channels.
- Use the **Up/Down arrow buttons** on the front panel to navigate through the available channels. The selected channel number will be displayed on the LCD screen.
- Ensure you are on the same channel as the party you wish to communicate with.

3. Transmitting and Receiving

- To transmit, press and hold the **PTT (Push-To-Talk) button** on the side of the radio. Speak clearly into the microphone, holding the radio approximately 5-10 cm from your mouth.
- Release the PTT button to stop transmitting and return to receive mode.
- When receiving, the radio will automatically output the incoming audio.

4. Special Features

- **VOX (Voice Operated Transmit):** Allows hands-free transmission when your voice is detected. Activate and adjust sensitivity through the menu.
- **Roger Beep:** A short tone emitted when the PTT button is released, signaling the end of your transmission. Can be enabled/disabled via the menu.
- **Channel Scan:** Scans all active channels to find ongoing conversations. Press the **Scan button** (refer to manual for specific button, often F1/F2/F3 or a dedicated button) to activate.
- **Dual Watch:** Monitors two channels simultaneously.
- **Channel Monitoring:** Allows listening to a channel without squelch, useful for weak signals.
- **Squelch:** Automatically mutes the speaker when no signal is present, reducing background noise. Adjustable via menu.
- **TOT (Time-Out Timer):** Limits the duration of a single transmission to prevent accidental continuous transmission.
- **BCL (Busy Channel Lockout):** Prevents transmission on a channel that is already in use.
- **FM Radio (88-108 MHz):** The device includes an FM radio receiver. Refer to the detailed manual for activation and tuning instructions.
- **Keypad Lock:** Prevents accidental button presses. Activate/deactivate by holding a specific function key (e.g., F3).
- **Voice Menu:** Provides audible prompts for menu navigation.
- **CTCSS/DCS Codes:** Use these sub-tones to filter out unwanted conversations and communicate only with users sharing the same code. The RD-5 supports 50 CTCSS and 105 DCS codes.

MAINTENANCE

1. Cleaning

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

2. Battery Care

- To prolong battery life, avoid fully discharging the battery frequently.
- Store the radio and battery in a cool, dry place when not in use for extended periods.
- If the battery is not used for a long time, charge it at least once every three months.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not power on.	Battery is not installed correctly or is depleted.	Ensure battery is properly installed. Charge the battery.
Cannot transmit or receive.	Incorrect channel selected. Out of range. Battery low.	Verify channel. Move closer to other radios. Charge battery.
Poor audio quality or static.	Weak signal. Squelch level too high. Antenna loose.	Move to an open area. Adjust squelch level. Check antenna connection.
Battery life is short.	Battery is old or not fully charged.	Ensure full charge. Consider replacing old battery.
Keypad is unresponsive.	Keypad lock is activated.	Deactivate keypad lock (refer to operating instructions for specific key combination).

SPECIFICATIONS

Feature	Description
Product Model	DYN-R-5
Product Type	PMR446 Portable Radio Station
Frequency Range	446.00625 - 446.09375 MHz
Number of Channels	8 Channels
Frequency Step	12.5 KHz (PMR)
Output Power	0.5 W
Security Codes	50 CTCSS, 105 DCS
Power Supply	7.4V Li-Ion Battery (1600 mAh)
Operating Temperature	-26°C ~ +80°C
Weight (with battery)	242 g (0.53 lbs)
Dimensions (W x H x D)	55 x 220 x 35 mm (2.17 x 8.66 x 1.38 inches)

Feature	Description
Antenna Length	120 mm (4.72 inches)
Display	LCD Screen (illuminated)
Special Features	VOX, Roger Beep, Channel Scan, Battery Low Indication, Automatic Power Saving, Dual Watch, Channel Monitoring, Squelch, TOT (Time-Out Timer), BCL (Busy Channel Lockout), FM Radio (88-108 MHz), Keypad Lock, Voice Menu
Water Resistance Level	Water resistant

WARRANTY AND SUPPORT

Information regarding product warranty and customer support is typically provided separately with your purchase or can be found on the manufacturer's official website. Please refer to the documentation included in your product packaging or visit the Dynascan website for the most up-to-date warranty terms and support contact information.

© 2024 Dynascan. All rights reserved.

This manual is for informational purposes only. Specifications are subject to change without notice.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question