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› [maXpeedingrods](#) /

› maXpeedingrods 8KW 12V/24V Diesel Heater User Manual

maXpeedingrods MXR-2Y

maXpeedingrods 8KW 12V/24V Diesel Heater

INSTRUCTION MANUAL

1. Introduction

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your maXpeedingrods 8KW 12V/24V Diesel Heater. Please read this manual thoroughly before using the product to ensure proper function and to prevent damage or injury. This all-in-one diesel heater is designed for heating various vehicles such as cars, trucks, caravans, and motorhomes.



Figure 1: maXpeedingrods 8KW 12V/24V Diesel Heater and included components.

Key Features:

- **Bluetooth App Control:** Remotely control the heater via the "Booyood" App within an 80m range.
- **Multiple Control Options:** Operate using the LCD panel, remote controller, or smartphone app.
- **Tool Battery Direct-Plug Power Supply:** Compatible with 12V-24V lithium tool batteries for quick startup (battery slot specifications must match).
- **Adjustable Heat Output:** 1KW-8KW adjustable power, providing up to 27000 BTUs.
- **Portable Design:** All-in-one style with a handle for easy installation, dismantling, and transport.
- **Automatic Altitude Adjustment:** Adapts operating frequency based on altitude for consistent performance.

2. Safety Information

WARNING: Failure to follow these safety instructions may result in fire, explosion, electric shock, or other serious injury or property damage.

- Ensure adequate ventilation when operating the heater. Do not operate in enclosed, unventilated spaces.
- Never block the air inlet or outlet of the heater. Maintain clear space around the unit.
- Use only diesel fuel. Do not use gasoline, alcohol, or other volatile fuels.
- Keep flammable materials at a safe distance from the heater.
- Ensure all electrical connections are secure and correct for the specified voltage (12V/24V).
- Do not touch hot surfaces during or immediately after operation.
- Regularly inspect the exhaust system for leaks or damage. Carbon monoxide is odorless and deadly.
- Do not modify the heater or its components. Use only original replacement parts.
- Keep out of reach of children and pets.
- If the heater emits unusual odors, smoke, or makes abnormal noises, turn it off immediately and disconnect the power supply.

3. Product Components

The maXpeedingrods 8KW Diesel Heater comes with the following components:

In Box Accessories



Air heater



LCD Control Panel



User's Manual



Air Filter



Air Outlet Grid



Remote Controller



Exhaust Silencer



Gloves



Installation Kit



Exhaust Pipe



Wire Harness



Hot Air Outlet Tubing



Air Inlet Pipe

Figure 2: Included Accessories.

1. Air Heater Unit
2. LCD Control Panel
3. User's Manual (PDF available [here](#))
4. Air Filter
5. Air Outlet Grid
6. Remote Controller
7. Exhaust Silencer
8. Gloves
9. Installation Kit (clamps, screws, etc.)
10. Exhaust Pipe
11. Wire Harness
12. Hot Air Outlet Tubing
13. Air Inlet Pipe

4. Setup and Installation

The maXpeedingrods diesel heater is designed for easy setup. Ensure you have all components listed in Section 3 before beginning.

4.1 Power Supply Connection

This heater supports direct connection to 12V-24V tool batteries or external power sources. Ensure the battery slot specifications on the heater match your tool battery. For external power, use the provided wire harness and connect to a stable 12V or 24V DC power supply.



Figure 3: Tool battery direct-plug power supply system. Note: Batteries are sold separately.

4.2 Exhaust and Air Ducting

- Connect the exhaust pipe to the heater's exhaust port. Secure it with clamps from the installation kit. Ensure the exhaust is directed safely away from the vehicle and any flammable materials. An exhaust silencer can be installed

for reduced noise.

- Attach the air inlet pipe and hot air outlet tubing to their respective ports. Secure connections to prevent air leaks.
- Install the air filter on the air inlet pipe to protect the heater from dust and debris.
- Mount the air outlet grid to the hot air outlet tubing for controlled heat distribution.

4.3 Fuel Connection

Fill the integrated fuel tank with clean diesel fuel. Do not overfill. Ensure the fuel cap is securely tightened. The heater features a transparent fuel gauge for monitoring fuel levels.

5. Operation

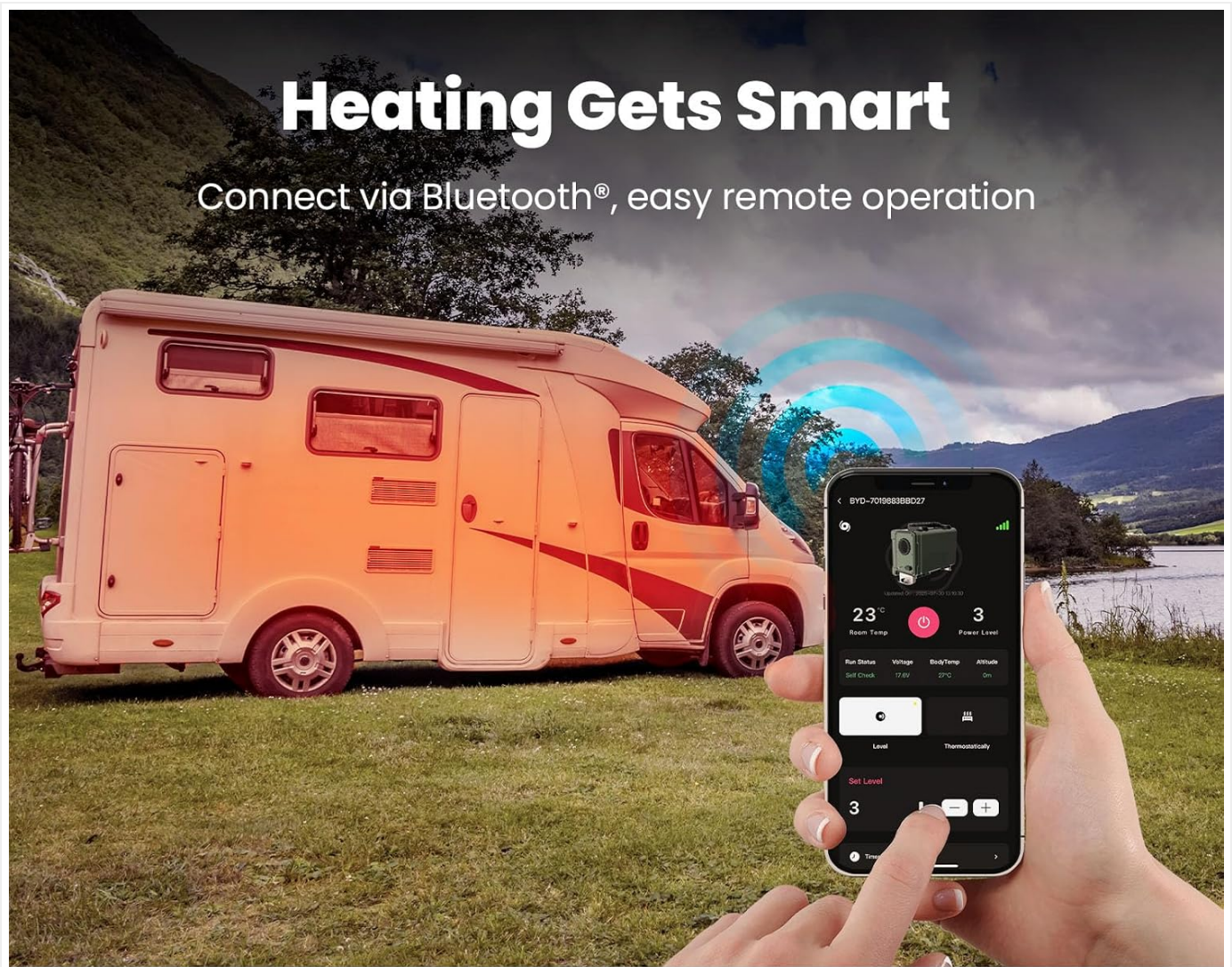
5.1 Starting the Heater

The heater can be started using three methods:



Figure 4: Control methods for the diesel heater.

- **LCD Control Panel:** Press the power button on the LCD panel. Use the up/down arrows to adjust temperature or power settings.
- **Remote Controller:** Use the provided remote control to power on/off and adjust settings from a distance. Refer to the remote control section in the full user manual for pairing instructions.
- **Smartphone App (Bluetooth):** Download the "Booyood" app. Enable Bluetooth on your smartphone and pair with the heater. You can then control the heater remotely within approximately 80 meters.



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Figure 5: Bluetooth App control interface.

5.2 Adjusting Heat Output

The heat output can be adjusted from 1KW to 8KW using the control panel, remote, or app to suit your heating requirements.

5.3 Automatic Altitude Adjustment

The heater features an automatic altitude adjustment function, which adapts the operating frequency to maintain optimal performance at various altitudes, up to 5000m (16404ft).

Automatic Altitude Adjustment

Automatically adjust the operating frequency according to the altitude to make the temperature suitable



Figure 6: Automatic altitude adjustment ensures consistent heating performance.

5.4 Shutting Down the Heater

To turn off the heater, press the power button on the control panel, remote, or app. Allow the heater to complete its cool-down cycle before disconnecting power or moving the unit. This prevents damage to internal components.

6. Maintenance

Regular maintenance ensures the longevity and safe operation of your diesel heater.

- **Air Filter:** Periodically check and clean the air filter. Replace if heavily soiled or damaged.
- **Fuel System:** Ensure the fuel tank is free of contaminants. Use clean diesel fuel. Inspect fuel lines for leaks or blockages.
- **Exhaust System:** Check the exhaust pipe and silencer for any blockages, corrosion, or damage. Ensure secure connections.
- **General Cleaning:** Keep the exterior of the heater clean and free of dust and debris. Do not use abrasive cleaners.

- **Storage:** If storing the heater for an extended period, drain the fuel tank and ensure the unit is clean and dry.

For detailed maintenance procedures, refer to the complete user manual PDF.

7. Troubleshooting

If you encounter issues with your maXpeedingrods diesel heater, consult the following common problems and solutions. For more complex issues, refer to the full user manual or contact customer support.

Problem	Possible Cause	Solution
Heater does not start	No power, low battery, no fuel, fuel line blockage, faulty glow plug.	Check power connections and battery charge. Ensure sufficient fuel. Inspect fuel lines. Consult full manual for glow plug testing.
Heater starts then shuts down (e.g., E-4, E-8, U033 error)	Fuel pump issue, overheating, sensor error, low voltage.	Check fuel pump operation and voltage. Ensure air inlets/outlets are clear. Refer to the full manual for specific error code diagnostics.
Excessive smoke	Incorrect fuel type, poor combustion, carbon buildup, exhaust blockage.	Use only clean diesel fuel. Clean combustion chamber if necessary. Check exhaust for blockages.
Remote control not working	Battery dead, not paired, out of range.	Replace remote battery. Re-pair remote with heater (refer to full manual). Ensure within operating range.

8. Specifications

Feature	Detail
Model Number	MXR-2Y
Product Dimensions	18.9 x 8.07 x 19.49 inches
Item Weight	21.4 pounds
Manufacturer	maXpeedingrods
Power Output	1KW-8KW (adjustable), up to 27000 BTUs
Voltage	12V/24V DC
Control Methods	LCD Panel, Remote Controller, Bluetooth App
Altitude Adjustment	Automatic, up to 5000m (16404ft)

9. Warranty and Support

maXpeedingrods offers complete and detailed manual and installation instructions, along with free technical support and customer service. For warranty information or technical assistance, please refer to the official maXpeedingrods website or contact their customer service department directly.

A full User Manual is available for download[here](#).

