



Manuals.plus /

› MUDIRO /

› MUDIRO M-5S Ultra Diesel Heater User Manual

## MUDIRO M-5S Ultra

# MUDIRO M-5S Ultra Diesel Heater

## USER MANUAL

### 1. Introduction

---

This manual provides essential instructions for the safe and efficient operation, installation, and maintenance of your MUDIRO M-5S Ultra Diesel Heater. Please read this manual thoroughly before using the product and retain it for future reference.

### 2. Safety Information

---

Your MUDIRO M-5S Ultra Diesel Heater is equipped with advanced safety features, including a built-in carbon monoxide (CO) sensor that triggers an alarm and automatically shuts down the unit if unsafe CO levels are detected. Always ensure proper ventilation when operating the heater to prevent CO accumulation. Never operate the heater in enclosed spaces without adequate airflow.



Image: The MUDIRO M-5S Ultra Diesel Heater control panel displaying CO protection features, indicating a built-in sensor for enhanced safety.

### 3. Product Overview and Components

The MUDIRO M-5S Ultra is an all-in-one diesel air heater designed for versatile use. It features a compact design, multiple power options (12V, 24V, 110V), and smart controls.



Image: The MUDIRO M-5S Ultra Diesel Heater shown with its main unit, remote control, power adapter, and TFT display.

### Package Contents:

- 1 x M-5S Ultra Diesel Heater
- 1 x Remote Control
- 1 x TFT Switch
- 1 x Adapter (for 110V operation)
- 1 x Intake and Exhaust Pipe
- 1 x Air Outlet Pipe
- 1 x Muffler
- 1 x Air Filter
- 1 x Installation Parts (clamps, screws, etc.)
- 1 x User Manual
- 1 x TFT Switch Extension Cord
- 1 x Three Direct Links (for multi-zone heating)
- 1 x Diesel Strainer
- 1 pair Riser Bracket

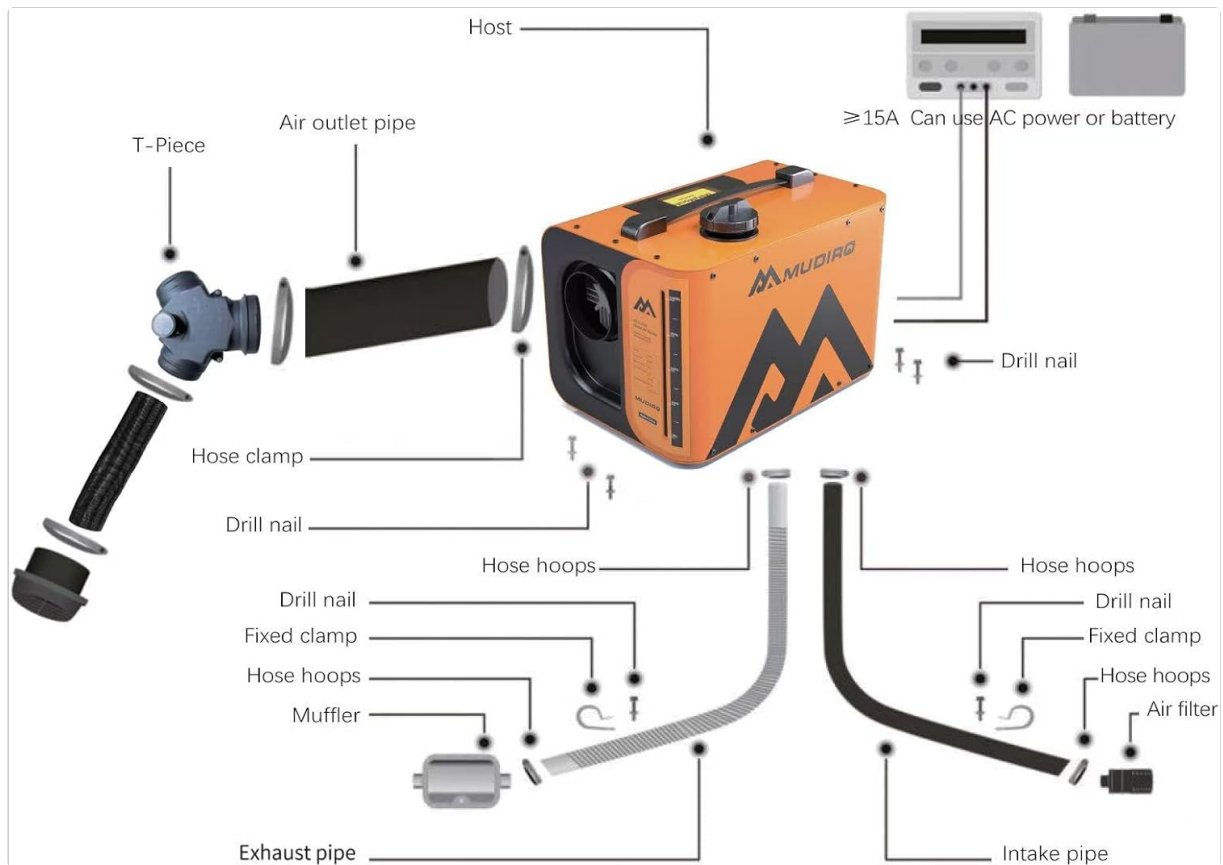


Image: A visual representation of all components included in the MUDIRO M-5S Ultra Diesel Heater package, laid out on a white surface.

## 4. Setup

Proper setup is crucial for the safe and efficient operation of your diesel heater. Follow these steps carefully:

### 4.1 Power Connection:

The MUDIRO M-5S Ultra supports 12V, 24V, and 110V power sources. Use the provided adapter for 110V household outlets or connect directly to a 12V/24V vehicle battery. Ensure all connections are secure.

### 4.2 Exhaust and Intake Pipe Installation:

Connect the intake and exhaust pipes to the designated ports on the heater. Secure them with the provided clamps. The exhaust must always be vented externally to prevent harmful fumes from entering the heated space.

### 4.3 Air Outlet Pipe Installation:

Attach the air outlet pipe to the heater's hot air outlet. If using the three direct links for multi-zone heating, connect them to the air outlet pipe and then attach additional ducts as needed. Secure all connections with clamps.

### 4.4 Fuel System:

Fill the 5L fuel tank with diesel. Ensure the leak-proof fuel cap is securely fastened. Install the diesel strainer to ensure clean fuel flow and prolong system life.

# PACKING LIST

M-5S Ultra Diesel Heater



LCD Switch



Adapter



Remote Control



User Manual



Intake and Exhaust Pipe



Air Outlet Pipe



Riser Bracket



Muffler



Three Direct Links



Diesel Strainer



Installation Parts



LCD Switch Extension Cord

Image: A diagram illustrating the connection points for the intake pipe, exhaust pipe with muffler, air outlet pipe, and power supply on the MUDIRO M-5S Ultra Diesel Heater.

## 4.5 TFT Switch Extension:

If desired, use the provided 1.5m extension cable to position the TFT switch away from the main unit for convenient control. Disconnect the original connector from the TFT panel, plug the male end of the extension cable into the female socket you just disconnected, and connect the opposite end of the extension cable to the port on the TFT panel.

Your browser does not support the video tag.

Video: An official MUDIRO video demonstrating the installation process for the MUDIRO Diesel Heater, including connecting pipes and the TFT panel extension cable.

## 5. Operating Instructions

The MUDIRO M-5S Ultra offers multiple control options for ease of use.

### 5.1 Control Methods:

- **LCD Panel:** Directly adjust settings on the integrated TFT display.
- **Bluetooth App:** Control the heater via a smartphone app (up to 98 ft range).

- **Remote Control:** Use the pre-paired remote control (up to 98 ft range) for convenient operation.



Image: A detailed view of the MUDIRO M-5S Ultra's Smart LCD Switch, highlighting various buttons and display elements for control and monitoring.

## 5.2 Temperature Control:

Set your desired temperature between 46.4°F (8°C) and 96.8°F (36°C). The heater features a wireless temperature sensor for high-precision control, automatically starting and stopping to maintain the set temperature within a  $\pm 2^\circ\text{F}$  ( $1\text{-}2^\circ\text{C}$ ) fluctuation range.

# HIGH ALTITUDE READY

Featured with **Auto-Adaptive High Altitude Mode** for peak performance up to **5500m (18045 ft)**



Image: A graphic illustrating the precise temperature control of the MUDIRO M-5S Ultra Diesel Heater, showing minimal fluctuation compared to standard heaters.

### 5.3 Auto Altitude Adjustment:

The heater features fully automatic altitude compensation up to 18,045 ft (5,500 m). The TFT display shows real-time altitude, and the unit self-adjusts the air-fuel mixture for optimal efficiency without manual input.

# WIRELESS TEMPERATURE SENSOR HIGH-PRECISION CONTROL

Auto start and stop with fluctuation range of  $\pm 2^{\circ}\text{F}$  ( $1-2^{\circ}\text{C}$ )

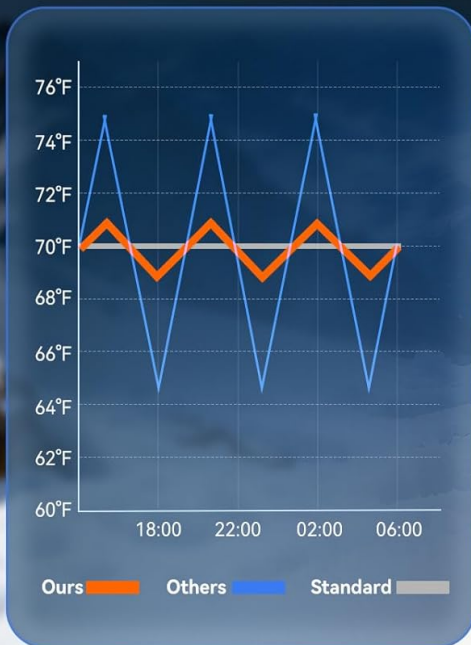


Image: The MUDIRO M-5S Ultra Diesel Heater operating in a snowy outdoor setting, highlighting its auto-adaptive high altitude mode with real-time altitude display on the control panel.

## 5.4 Quiet Operation:

An upgraded noise-reducing fuel pump ensures ultra-quiet operation, making it suitable for overnight use in RVs or during work in garages without disturbance.

# WHISPER-QUIET OPERATION

For undisturbed work and sleep



Image: The MUDIRO M-5S Ultra Diesel Heater operating quietly in an RV interior, emphasizing its low-noise design for undisturbed sleep or work.

## 6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your MUDIRO M-5S Ultra Diesel Heater.

- **Fuel System:** Periodically check the diesel strainer for debris and clean or replace it as necessary to ensure clean fuel flow.
- **Exterior Cleaning:** Keep the exterior of the heater clean. Use a soft, damp cloth to wipe down surfaces. Do not use abrasive cleaners or solvents.
- **Air Filter:** Inspect the air filter regularly and clean or replace it to maintain efficient airflow.
- **Connections:** Ensure all pipe and electrical connections remain secure and free from leaks or damage.

## 7. Troubleshooting

If you encounter issues with your MUDIRO M-5S Ultra Diesel Heater, refer to the following common troubleshooting tips:

- **Heater not starting:** Check power connections, ensure sufficient fuel in the tank, and verify that the fuel pump is operating.
- **Low heat output:** Inspect air intake and exhaust pipes for blockages. Ensure the air filter is clean.
- **CO Alarm:** If the CO alarm sounds, immediately ventilate the area and move the heater to a location with better airflow. Check for exhaust leaks.
- **Error Codes:** Refer to the TFT display for any error codes and consult the detailed manual for specific solutions.

For persistent issues, contact MUDIRO customer support.

## 8. Specifications

Feature	Specification
Model	M-5S Ultra
Item Weight	25 pounds
Product Dimensions	15 x 5 x 15 inches
Power Voltage	12V/24V/110V
Heating Power	8KW
Fuel Type	Diesel
Special Features	Adjustable Temperature, Fast Heating, Noiseless, Overheat Protection, Remote Control, CO Protection, Auto Altitude Adjustment

## 9. Warranty and Support

The MUDIRO M-5S Ultra Diesel Heater comes with a 2-year warranty. For warranty claims, technical support, or any inquiries, please contact MUDIRO customer service through their official channels or the retailer where the product was purchased.