

## JurwheeR IKV87QBKFO4IMY9W0VXP63337OD

# JurwheeR Diesel Air Heater Controller LCD Monitor Switch Control Board User Manual

## 1. PRODUCT OVERVIEW

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The JurwheeR Diesel Air Heater Controller LCD Monitor Switch Control Board is designed for efficient and convenient management of 12V and 24V diesel parking heaters. It features an easy-to-read LCD display and versatile control options, including manual fuel filling, timing functions, and remote pairing. Its human-centric design ensures user-friendly operation and wide compatibility across various vehicles.

### Key Features:

- **Easy-to-Read LCD Display:** Provides real-time information for effective heating system monitoring.
- **Versatile Control Options:** Supports manual fuel filling, timing start/stop, and customizable settings.
- **Convenient Remote Pairing:** Allows remote operation of the heater.
- **Human-Centric Design:** User-friendly control button interface for accessible operation.
- **Wide Compatibility:** Works with both 12V and 24V power supplies, suitable for cars and trucks.



Figure 1: JurwheeR Diesel Air Heater Controller Kit. This image displays the main components including the control board, remote control, and wiring harness, illustrating their relative sizes and connections.

## 2. SAFETY INFORMATION

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Please read and understand all safety instructions before installing or operating the device. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Ensure the power supply matches the device's voltage requirements (12V or 24V).
- Disconnect power before performing any installation, maintenance, or troubleshooting.
- Install the device in a well-ventilated area to prevent overheating.
- Keep the device away from flammable materials and liquids.
- Do not expose the device to water or extreme moisture.
- Only use original or approved replacement parts.
- If any unusual odors, smoke, or sounds occur, immediately disconnect power and contact support.

## 3. SETUP INSTRUCTIONS

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### 3.1 Package Contents

The package includes the following components:

- 1 x Motherboard
- 1 x 3-wire black LCD switch
- 1 x Remote control
- 1 x Wiring harness



Figure 2: Complete kit showing the control board, LCD monitor, remote, and wiring harness.

### 3.2 Wiring Connection

Connect the wiring harness to the control board and the diesel air heater according to the provided diagram. Ensure all connections are secure and correctly polarized (positive to positive, negative to negative).

# Product details



Figure 3: Detailed view of the wiring harness for the diesel air heater controller.

## 3.3 Exhaust Pipe and Muffler Installation

Proper installation of the exhaust pipe and muffler is crucial for safe and efficient operation. Use the provided converter pipe to ensure a secure connection between the exhaust pipe and the muffler, then tighten with screws.

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Video 1: This video demonstrates the correct procedure for setting up the exhaust pipe and muffler for the diesel heater. It highlights the use of a converter pipe to ensure proper connection and tightening with screws.

## 4. OPERATING INSTRUCTIONS

The LCD monitor provides a clear interface for controlling your diesel air heater. Refer to the following instructions for various functions.



Figure 4: The LCD control board, showing the display and control knob.

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Video 2: This video provides a general overview of the diesel heater's display, showing various indicators and information.

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Video 3: This comprehensive video demonstrates various operational aspects of the A2302BH switch, including language settings, mode switching, altitude adjustment, remote pairing, manual fuel pumping, auto start-stop, timing functions, and Bluetooth connection.

## 4.1 Power On/Off

- **To Turn On:** In shutdown state, press the [ON/OFF] button.
- **To Turn Off:** Press the [ON/OFF] button again.

## 4.2 Language Switch

To change the display language (Chinese, English, Russian, or Voice off):

1. In shutdown state, press [ON/OFF] to turn on.
2. Long press [ON/OFF] to enter the basic settings.
3. Rotate the [Knob] to adjust settings to F4.
4. Press the [Knob] to modify.
5. Rotate the [Knob] to select your desired language (C for Chinese, E for English, R for Russian, or Voice off).
6. Press the [Knob] again to confirm the current data modification.

*Refer to Video 3, timestamp 0:03 for a visual guide on language switching.*

### 4.3 Mode Switching

To switch between different operating modes (Temperature Control, Constant Temperature, Ventilation, Hot Topic, Gear Mode):

1. In shutdown state, press [ON/OFF] to turn on.
2. Press the [Knob] to switch the current mode.

*Refer to Video 3, timestamp 0:32 for a visual guide on mode switching.*

### 4.4 Altitude Adjustment

To view altitude data:

1. In shutdown state, press [ON/OFF] to turn on.
2. Press and hold the [Knob] for 5 seconds to enter the engineering mode.
3. Rotate the [Knob] to adjust the item to view the data. Adjust to En06.
4. The altitude will be shown in the upper left corner.

*Refer to Video 3, timestamp 0:48 for a visual guide on altitude adjustment.*

### 4.5 Remote Pairing

To pair the remote control with the device:

1. In shutdown state, press the [Knob] three times in a row.
2. Enter the En08 interface, and the screen will display "P-1".
3. Press any button on the remote control to match successfully.
4. You can now use the remote control to turn the heater on and off normally.



Figure 5: The remote control for the diesel air heater controller.

*Refer to Video 3, timestamp 1:06 for a visual guide on remote matching.*

#### **4.6 Manually Pump Oil**

To manually pump oil (useful for initial setup or after running out of fuel):

1. In the first power-on state, press and hold the [Knob] for 5 seconds.
2. The screen will show a 300-second countdown.
3. After the countdown ends, the device will automatically exit, or you can press [ON/OFF] to end the pump oil shutdown.

*Refer to Video 3, timestamp 1:21 for a visual guide on manually pumping oil.*

#### **4.7 Auto Start-Stop**

To configure auto start-stop functionality:

1. In shutdown state, press [ON/OFF] to turn on.

2. Long press [ON/OFF] to enter the basic settings.
3. Rotate the [Knob] to adjust settings to F3.
4. Press the [Knob] to modify.
5. Rotate the [Knob] to adjust (ON is on, OFF is closed).
6. Press the [Knob] again to confirm the current data modification.

*Refer to Video 3, timestamp 1:42 for a visual guide on auto start-stop settings.*

## 4.8 Timing Function

To set the timing for heater operation:

1. In shutdown state, press [ON/OFF] to turn on.
2. Long press [ON/OFF] to enter the basic settings.
3. Rotate the [Knob] to adjust settings to F1.
4. Press the [Knob] to modify the number of hours. Rotate the [Knob] to adjust.
5. Press the [Knob] again to modify the number of minutes. Rotate the [Knob] to adjust.
6. Press the [Knob] again to confirm the current data modification.
7. Rotate the [Knob] to adjust settings to F2.
8. Press the [Knob] to modify the running time (0-10 hours). Rotate the [Knob] to adjust.
9. Press the [Knob] again to confirm the current data modification.

*Refer to Video 3, timestamp 2:02 for a visual guide on timing functions.*

## 4.9 Bluetooth Connection

To connect the device via Bluetooth using the mobile APP:

1. In the shutdown state, press [ON/OFF] to turn it on.
2. Press the [Knob] for 5 seconds to enter the engineering mode.
3. Rotate the [Knob] to adjust to En09. The display will show the Bluetooth name (e.g., "BLE").
4. On your mobile device, open the APP and click "Add Device".
5. Select "Bluetooth connection".
6. After searching, select the Bluetooth device with the same name as displayed on the controller.
7. Confirm binding.
8. At this time, the device can be used normally through the APP.

*Refer to Video 3, timestamp 2:38 for a visual guide on Bluetooth connection.*

## 5. MAINTENANCE

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Regular maintenance ensures optimal performance and longevity of your diesel air heater controller.

- **Cleaning:** Periodically wipe the LCD screen and control board with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **Connections:** Regularly check all wiring connections for tightness and signs of wear or corrosion.
- **Inspection:** Inspect the exhaust pipe and muffler for any blockages, damage, or leaks. Ensure proper ventilation around the heater unit.

- **Fuel System:** Ensure the fuel lines are clear and free from obstructions. Use clean diesel fuel to prevent clogging.

## 6. TROUBLESHOOTING

If you encounter issues with your JurwheeR Diesel Air Heater Controller, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Device does not power on	No power supply; Loose wiring; Blown fuse	Check power source; Secure all connections; Replace fuse if necessary
Heater not producing heat	Low fuel; Clogged fuel line; Air in fuel system; Incorrect settings	Refill fuel; Check/clean fuel line; Perform manual oil pump; Verify temperature/mode settings
Remote control not working	Low battery; Not paired; Out of range	Replace remote battery; Re-pair remote (Section 4.5); Operate within range
Error code on display	Specific system fault	Consult the heater's specific error code manual or contact support.

If the problem persists after attempting these solutions, please contact JurwheeR customer support.

## 7. SPECIFICATIONS

Attribute	Detail
Brand	JurwheeR
Model Number	IKV87QBKFO4IMY9W0VXP63337OD
Working Voltage	12V/24V
Power	2kW/5kW (kVA)
Temperature Range	-30-40 °C
Product Dimensions	14 x 11 x 11 cm
Item Weight	400 g
Color	As Picture Show

# 12V

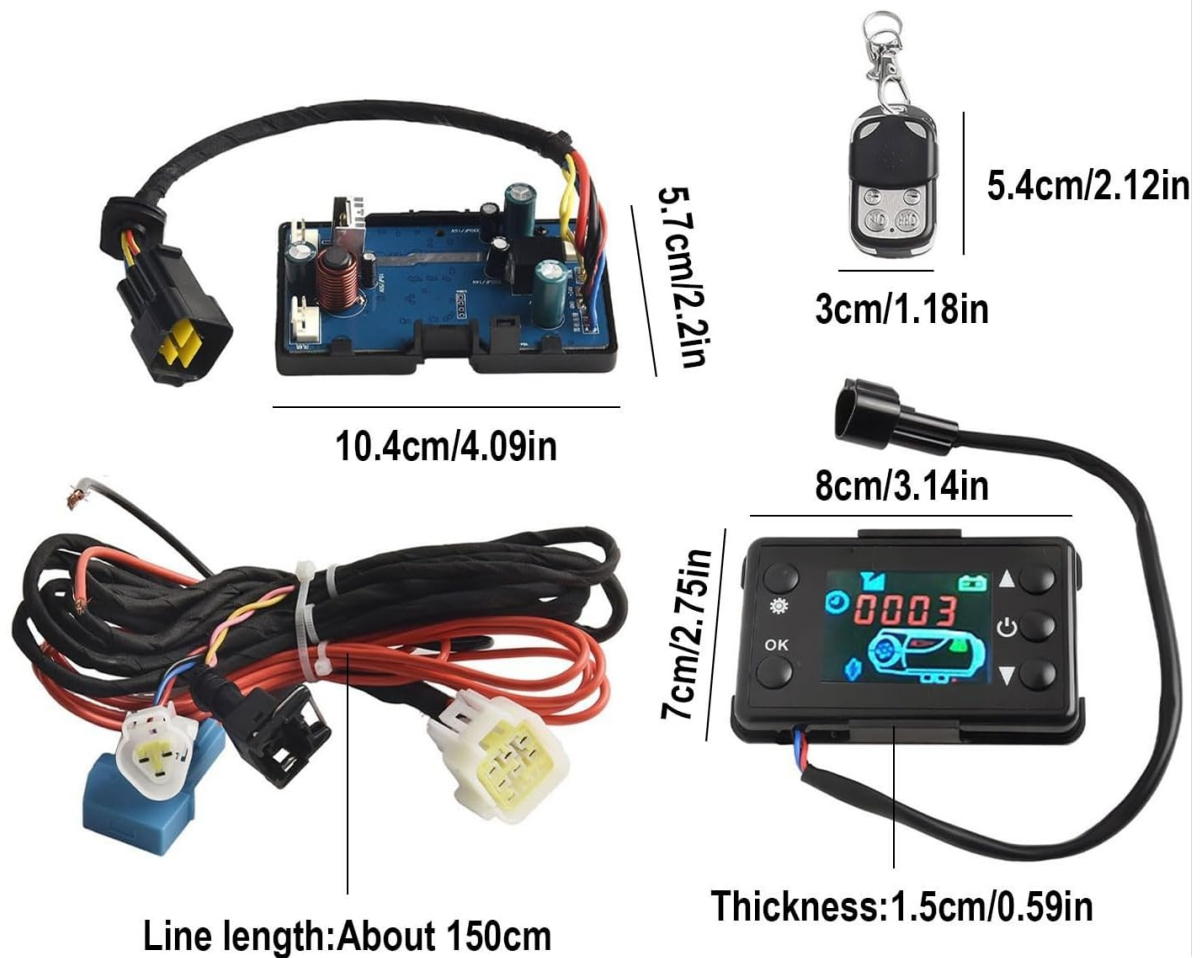


Figure 6: Image illustrating the dimensions of the diesel air heater controller components.

## 8. WARRANTY INFORMATION

For warranty details, please refer to the manufacturer's official warranty policy provided with your purchase or on the JurwheeR website. Keep your proof of purchase for any warranty claims.

## 9. CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to report an issue, please contact JurwheeR customer support through the contact information provided on the product packaging or the official JurwheeR website.