Gidrox RX55

Gidrox RX55 10000 BTU 12V DC RV Air Conditioner with Heater

User Instruction Manual

1. Introduction

This manual provides essential information for the safe and efficient operation of your Gidrox RX55 10000 BTU 12V DC RV Air Conditioner with Heater. Please read this manual thoroughly before installation and use, and retain it for future reference. This unit is designed to provide both cooling and heating for RVs, camper vans, and trucks, operating directly from a 12V DC power source.



Image: The Gidrox 12V RV Air Conditioner unit, highlighting its 10,000 BTU cooling and 4,500 BTU heating capabilities.

2. Safety Information

Always observe the following safety precautions to reduce the risk of electric shock, injury, or fire:

- Ensure the unit is installed by a qualified professional in accordance with all local and national electrical codes.
- Disconnect power before performing any maintenance or cleaning.
- Do not operate the unit with damaged wiring or if it is not functioning correctly.
- Keep all vents clear of obstructions to ensure proper airflow.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

3. Setup and Installation

3.1 Package Contents

Before beginning installation, verify that all components are present:

- Outdoor Unit
- Indoor Unit
- Power Cord (19.7 ft)
- Sealing Sponge
- Bracket
- Remote Control
- Screws (various sizes)
- Cable Ties
- Installation Kit



Image: A visual representation of all items included in the Gidrox RV Air Conditioner package.

3.2 Installation Steps

The Gidrox RX55 is designed for easy installation into standard 14"x14" RV roof cutouts and is compatible with roof thicknesses between 1.5" and 3.5".

1. **Prepare the Opening:** Ensure the roof opening is clean and measures 14"x14".
2. **Install Sealing Sponge:** Apply the provided sealing sponge around the roof opening to create a watertight seal.
3. **Position Outdoor Unit:** Carefully lift and position the outdoor unit over the prepared roof opening.
4. **Connect Wires:** From inside the RV, connect the necessary wiring between the outdoor unit and the indoor unit. The included 19.7 ft power cable provides ample length.
5. **Secure Indoor Unit:** Mount the indoor unit and tighten the interior bolts to secure both the indoor and outdoor units firmly to the roof.



Image: A visual guide illustrating the four-step quick installation process for the RV Air Conditioner.



Image: The Gidrox RV Air Conditioner unit designed to fit standard 14x14 inch RV roof openings.

For detailed wiring diagrams and specific torque requirements, refer to the separate installation guide included in your package.

4. Operating Instructions

Your Gidrox RX55 unit offers multiple control options and operating modes for optimal comfort.

4.1 Control Methods

The unit can be controlled via three methods:

- **Smartphone APP:** Connect via Bluetooth to set temperature, program timers, and switch modes.
- **Infrared Remote Control:** Use the included remote for convenient adjustments.
- **Physical Control Panel:** Buttons on the indoor unit allow direct control.



Image: A smartphone screen showing the Gidrox app interface for smart control of the RV Air Conditioner.

4.2 Operating Modes

Select the appropriate mode for your comfort needs:

- **Turbo Mode:** Provides rapid cooling or warming for quick temperature changes.
- **ECO Mode:** Energy-efficient operation, ideal for extended use with lower power consumption

(approximately 350W during nighttime in 30°C ambient). Can support all-night use with a 400Ah battery.

- **Sleep Mode:** Operates at a quiet 40dB, ensuring undisturbed rest.
- **Fan Mode:** Circulates air without heating or cooling.
- **Dry Mode:** Dehumidifies the air.



Image: An interior view of an RV showing the Gidrox AC unit providing quiet comfort, with a woman sleeping.

4.3 Temperature Settings and Display

You can set your desired temperature and switch between Celsius (°C) and Fahrenheit (°F) display options using the control panel, remote, or APP. The unit features automatic power adjustment based on temperature differences to maintain consistent comfort.

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Video: An official Gidrox video demonstrating the features and operation of the 12V DC RV Air Conditioner.

5. Maintenance

Regular maintenance ensures optimal performance and longevity of your Gidrox RX55 unit.

- **Filter Cleaning:** The unit is equipped with a HEPA filter. Regularly check and clean the air filter to maintain airflow and efficiency. Refer to the detailed cleaning instructions in the full manual.
- **Exterior Cleaning:** Keep the exterior of the unit clean from dust and debris. Use a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Seasonal Checks:** Before and after long periods of non-use, inspect the unit for any visible damage, loose connections, or obstructions.

6. Troubleshooting

If you encounter issues with your Gidrox RX55, refer to the following common troubleshooting steps:

- **Unit Not Turning On:** Check power connections and ensure the RV battery has sufficient charge. Verify the built-in fuse on the power cable.
- **Insufficient Cooling/Heating:** Ensure all vents are clear. Check if the air filter needs cleaning. Verify the selected operating mode and temperature setting.
- **Error Code H2:** This error code typically indicates a sensor issue. If you encounter this, contact Gidrox customer support for assistance.
- **Remote Control Not Working:** Check the batteries in the remote. Ensure there are no obstructions between the remote and the indoor unit's sensor.

For more complex issues or persistent problems, please contact Gidrox customer support.

7. Specifications

Key technical specifications for the Gidrox RX55 10000 BTU 12V DC RV Air Conditioner with Heater:

Feature	Specification
Brand	Gidrox
Model Name	RX55
Cooling Power	10000 British Thermal Units (BTU)
Heating Capacity	4500 BTU (PTC)
Voltage	12 Volts DC
Rated Power (Cooling)	700W (Turbo)
Average Power Consumption (Nighttime)	~350W (in 30°C ambient)
Noise Level (Sleep Mode)	40 dB
Product Dimensions (D x W x H)	34.6" x 29.5" x 7"
Item Weight	54 lbs
Installation Type	Rooftop (Split System)

Feature	Specification
Roof Cutout Compatibility	Standard 14" x 14"
Roof Thickness Compatibility	1.5" to 3.5"
Control Method	App, Remote, Physical Buttons
Filter Type	HEPA Filter
Special Features	Dehumidifier, Heating & Cooling Function, Inverter Compressor, Remote Controlled, Sleep Mode

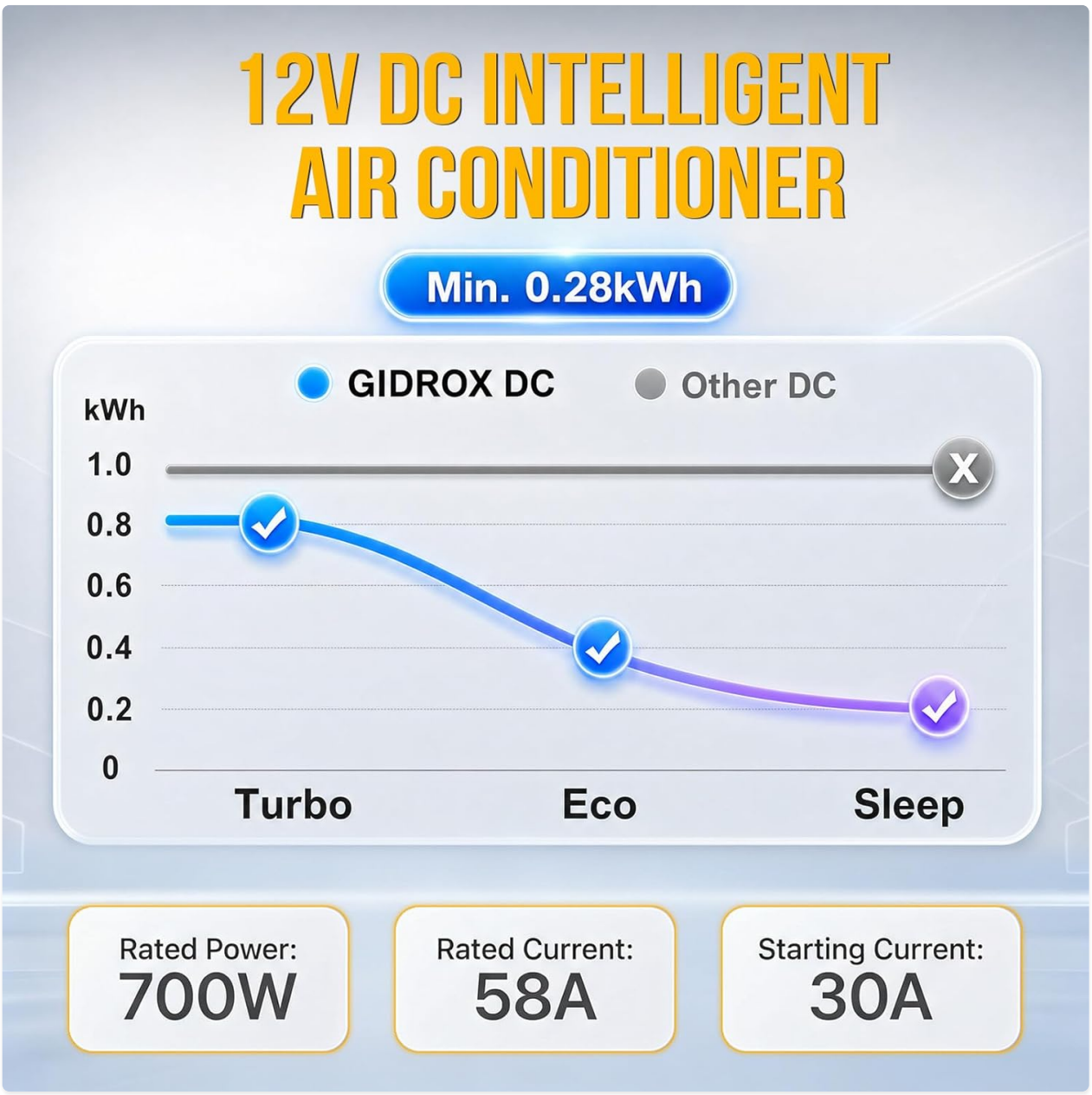


Image: A graph illustrating the power consumption of the Gidrox 12V DC Air Conditioner across different operating modes (Turbo, Eco, Sleep).

8. Warranty and Support

The Gidrox RX55 RV Air Conditioner comes with a **2-year warranty**. An additional **1-year extended coverage**

may be available. Please refer to your warranty card or the Gidrox website for full terms and conditions. For technical support, warranty claims, or any questions regarding your product, please contact Gidrox customer service through their official website or the contact information provided in your product packaging.



Image: Gidrox customer support team ready to assist, emphasizing the 2-year warranty and optional 1-year extended coverage.

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