GREE LIVS12HP230V1B

Gree LIVO+ 12,000 BTU 16 SEER Ductless Mini Split Air Conditioner Heat Pump User Manual

Model: LIVS12HP230V1B

1. Introduction

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Gree LIVO+ 12,000 BTU 16 SEER Wall Mount Ductless Mini Split Air Conditioner Heat Pump. Please read this manual thoroughly before installation and use, and retain it for future reference. Proper understanding and adherence to these instructions will ensure optimal performance and longevity of your unit.

2. Safety Information

Important Safety Instructions:

- Installation and maintenance must be performed by a qualified, licensed HVAC professional. Improper installation can result in electric shock, fire, water leakage, or other hazards.
- Ensure the unit is properly grounded to prevent electric shock.
- Do not operate the unit with wet hands or in wet conditions.
- Keep children and pets away from the unit during operation and maintenance.
- The unit uses R410A refrigerant. Handling of refrigerant should only be done by certified personnel.
- Turn off the power supply to the unit before performing any cleaning or maintenance.

3. Product Overview

The Gree LIVO+ mini split system provides efficient heating and cooling for single rooms. It incorporates Gree's G10 Inverter and variable compressor technology for enhanced performance and energy efficiency. The system consists of an indoor wall-mounted air handler, an outdoor condenser unit, and a wireless remote control.



Image 3.1: Overview of the Gree LIVO+ mini split system, showing the indoor unit, outdoor unit, and wireless remote control.



Image 3.2: The indoor wall-mounted air handler of the Gree LIVO+ system, designed for quiet operation and seamless integration into living spaces.



Image 3.3: The outdoor condenser unit, which houses the compressor and heat exchange coils for the Gree LIVO+ mini split system.

4. Setup and Installation

Professional Installation Required: The installation of this Gree LIVO+ mini split system must be performed by a state-licensed HVAC contractor. This ensures compliance with local codes, proper refrigerant handling, and eligibility for warranty coverage. A lineset is required for installation but is not included with the system.

Installation Steps (Overview):

1. **Indoor Unit Mounting:** Securely mount the indoor air handler on a suitable wall location, ensuring proper clearance for airflow and drainage.
2. **Outdoor Unit Placement:** Position the outdoor condenser unit on a stable, level surface with adequate ventilation

and clearance from obstructions.

3. **Refrigerant Line Connection:** Connect the refrigerant lines between the indoor and outdoor units. This involves vacuuming the lines and charging with R410A refrigerant.
4. **Electrical Wiring:** Connect the power supply and communication wiring between the units and to the main electrical panel, ensuring all connections are secure and meet electrical codes.
5. **Condensate Drain:** Install the condensate drain line from the indoor unit to ensure proper water removal.
6. **System Test:** After installation, the HVAC professional will perform a system test to verify correct operation, check for leaks, and ensure optimal performance.



Image 4.1: The indoor unit of the Gree LIVO+ mini split system installed on a wall, demonstrating its compact design and how it integrates into a room environment.

5. Operating Instructions

Your Gree LIVO+ system is controlled via the included wireless remote control. Familiarize yourself with the remote's functions for optimal comfort.



Image 5.1: The wireless remote control for the Gree LIVO+ mini split system, used to adjust settings and operating modes.

Remote Control Functions:

- **Power Button:** Turns the unit ON or OFF.
- **Mode Button:** Cycles through operating modes:
  COOL: For cooling the room.
  HEAT: For heating the room.
  FAN: Circulates air without heating or cooling.
  DRY: Dehumidifies the room.
  AUTO: Automatically selects cooling or heating based on room temperature.
- **Temperature Adjustment Buttons (▲/▼):** Increases or decreases the desired temperature setting.
- **Fan Speed Button:** Adjusts the fan speed (Auto, Low, Medium, High).
- **Swing Button:** Controls the vertical louver movement for even air distribution.
- **Timer Button:** Sets the unit to turn ON or OFF automatically after a specified time.
- **Sleep Mode:** Adjusts temperature and fan speed for comfortable sleep.
- **Turbo Mode:** Provides rapid cooling or heating.

Wi-Fi Capability:

The Gree LIVO+ system features Universal Wi-Fi Technology. To enable Wi-Fi control from your smartphone or tablet, you must purchase the optional Wi-Fi Kit (model WSBEC02) separately. Once installed, follow the instructions provided with the Wi-Fi kit to connect your unit to your home network and control it remotely.

6. Maintenance

Regular maintenance ensures efficient operation and extends the lifespan of your unit. Always disconnect power before performing maintenance.

User Maintenance:

- **Air Filter Cleaning:** The indoor unit's air filters should be cleaned every two weeks or more frequently depending on usage and air quality. Remove the filters, wash them with lukewarm water and mild detergent, rinse thoroughly, and allow them to dry completely before reinserting.
- **Exterior Cleaning:** Wipe the indoor and outdoor unit exteriors with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

Professional Maintenance:

It is recommended to have a licensed HVAC professional inspect and service your system annually. This includes:

- Checking refrigerant levels and pressure.
- Cleaning outdoor coil and indoor evaporator coil.
- Inspecting electrical connections and components.
- Checking condensate drain for blockages.
- Verifying proper operation of all system components.

7. Troubleshooting

Before contacting service, review the following common issues and solutions:

Problem	Possible Cause	Solution
Unit does not turn on	No power supply; Remote control batteries low; Circuit breaker tripped.	Check power connection; Replace remote batteries; Reset circuit breaker.

Problem	Possible Cause	Solution
Insufficient cooling/heating	Dirty air filters; Blocked outdoor unit; Incorrect mode/temperature setting; Low refrigerant.	Clean air filters; Clear obstructions from outdoor unit; Adjust settings; Contact HVAC professional for refrigerant check.
Unusual noise	Loose parts; Fan obstruction; Refrigerant flow noise (normal).	Check for loose panels; Remove obstructions; If noise persists or is abnormal, contact service.
Water leakage from indoor unit	Blocked condensate drain; Improper installation.	Check and clear drain line; Contact HVAC professional for inspection.

If the problem persists after attempting these solutions, or if an error code appears on the display, contact a licensed HVAC professional for assistance.

8. Specifications

Below are the key specifications for the Gree LIVO+ 12,000 BTU 16 SEER Mini Split Heat Pump (Model: LIVS12HP230V1B):

- **Model Number:** LIVS12HP230V1B
- **Capacity:** 12,000 BTU
- **SEER Rating:** 16 SEER
- **Voltage:** 208/230 Volts
- **Wattage:** 1732 watts
- **Refrigerant Type:** R410A
- **Sound Level (Outdoor Unit):** 56 dB
- **Special Features:** G10 Inverter Technology, Air Purification Filter, Wi-Fi Capability (with optional kit)
- **Indoor Unit Dimensions:** Approximately 29 x 10 x 11 inches (W x D x H)
- **Outdoor Unit Weight:** Approximately 7.81 pounds (Note: This weight seems incorrect for an outdoor unit, typically much heavier. Please refer to product packaging or official Gree documentation for accurate outdoor unit weight.)



Image 8.1: Icons representing key features of the Gree LIVO+ system, including 5-year limited parts warranty, Wi-Fi capability,

heating and cooling functions, AHRI certification, ETL listing, and G10 Inverter Technology.

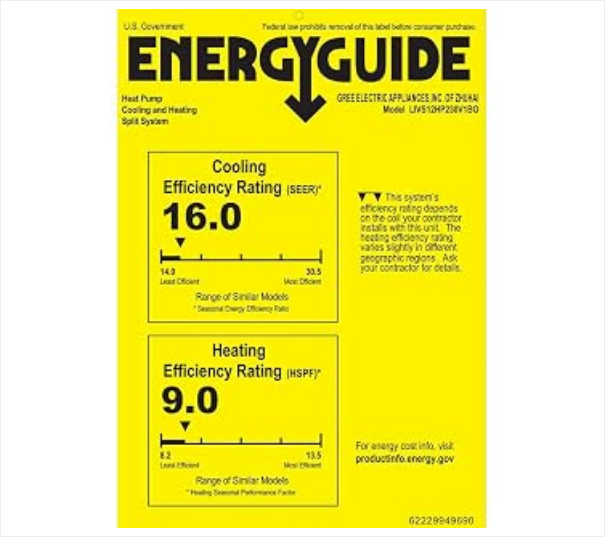


Image 8.2: An energy efficiency fiche, providing details on the unit's energy consumption and performance ratings.

9. Warranty and Support

Warranty Information:

- The manufacturer's warranty terms include 5 years on parts and 7 years on the compressor.
- **Important:** For the warranty to be valid and eligible, the installation of the unit must be performed by a state-licensed HVAC contractor. Proof of professional installation may be required for any warranty claims.

Customer Support:
For technical support, warranty claims, or service inquiries, please contact your installing HVAC contractor or refer to the official Gree website for authorized service providers in your area. Ensure you have your model number (LIVS12HP230V1B) and proof of purchase readily available.