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› GREE 24,000 MULTI+ Ultra 23 SEER DUAL Ductless Mini Split System (9-18) User Manual

GREE 9-18

GREE 24,000 MULTI+ Ultra 23 SEER DUAL Ductless Mini Split System User Manual

Model: 9-18

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your GREE 24,000 MULTI+ Ultra 23 SEER DUAL Ductless Mini Split System. Please read this manual thoroughly before installing or operating the unit and retain it for future reference. This system is designed to provide comfortable heating and cooling for residential applications.

2. SAFETY INFORMATION

Important: Installation, maintenance, and repair of this equipment must be performed by qualified, certified personnel only. Improper installation or repairs can result in electric shock, fire, or water leakage.

- Always disconnect power to the unit before performing any maintenance or cleaning.
- Ensure the unit is properly grounded to prevent electrical shock.
- Do not block the air inlet or outlet of the indoor or outdoor units.
- Do not insert fingers or objects into the air inlet/outlet.
- If abnormal operation (e.g., burning smell, unusual noise) occurs, immediately turn off the unit and disconnect power. Contact a qualified service technician.
- The refrigerant used in this system (R-410A) is non-flammable but should only be handled by certified professionals.

3. PRODUCT OVERVIEW

The GREE MULTI+ Ultra system consists of an indoor unit (evaporator), an outdoor unit (condenser), and a wireless remote control. The indoor unit is typically wall-mounted and distributes conditioned air, while the outdoor unit houses the compressor and heat exchanger.



Figure 3.1: GREE indoor mini-split unit and remote control. This image displays the white indoor unit of the GREE mini-split system, typically mounted on a wall, alongside its wireless remote control. The remote control features a digital display and various buttons for operating the unit.



Figure 3.2: GREE outdoor mini-split condenser unit. This image shows the GREE outdoor condenser unit, which houses the compressor and fan. It is designed for outdoor installation and features a protective grille over the fan.

4. SETUP AND INSTALLATION

The GREE MULTI+ Ultra system requires professional installation. Attempting to install the unit yourself may void the warranty and lead to serious injury or damage. A qualified HVAC technician will perform the following key steps:

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

3. **Refrigerant Piping:** Connect the indoor and outdoor units with refrigerant lines, ensuring proper vacuum and charge.
4. **Electrical Wiring:** Connect the power supply and communication wiring according to local electrical codes and the wiring diagram provided with the unit.
5. **Drainage:** Install condensate drain lines to ensure proper water removal from the indoor unit.
6. **System Test:** Perform a comprehensive system test to verify correct operation and detect any leaks.

5. OPERATING INSTRUCTIONS

Your GREE mini-split system is operated primarily via the wireless remote control. Ensure the remote control has fresh batteries and is pointed towards the indoor unit when sending commands.

5.1. Basic Operation

- **Power On/Off:** Press the **ON/OFF** button to start or stop the unit.
- **Mode Selection:** Press the **MODE** button to cycle through available operating modes: **AUTO**, **COOL**, **DRY**, **FAN**, and **HEAT**.
- **Temperature Adjustment:** Use the **TEMP UP (▲)** and **TEMP DOWN (▼)** buttons to set your desired temperature.
- **Fan Speed:** Press the **FAN** button to adjust the fan speed (Auto, Low, Medium, High).

5.2. Special Features

- **Sleep Mode:** Activates a quiet operation mode that gradually adjusts the temperature for comfortable sleep and energy savings. Press the **SLEEP** button to activate/deactivate.
- **Timer Function:** Allows you to program the unit to turn on or off automatically at a set time. Refer to the remote control's specific instructions for detailed timer setup.
- **Quiet Operation:** The system is engineered for reduced vibration and features a programmable sleep mode for near-silent operation.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your GREE mini-split system. Always disconnect power to the unit before performing any maintenance.

6.1. Air Filter Cleaning

Clean the air filters every two weeks or more frequently depending on usage and air quality.

1. Open the front panel of the indoor unit.
2. Remove the air filters.
3. Clean the filters with a vacuum cleaner or wash them with lukewarm water and a mild detergent.
4. Rinse thoroughly and allow to dry completely in a shaded area before reinstalling.
5. Reinstall the filters and close the front panel.

6.2. Outdoor Unit Maintenance

Periodically check the outdoor unit for obstructions (leaves, debris) and clean the coil fins with a soft brush or water hose. Ensure proper drainage around the unit. Professional cleaning of the outdoor coil is recommended annually.

6.3. Seasonal Checks

- Before the cooling season, ensure the outdoor unit is clear of debris and the indoor filters are clean.

- Before the heating season, check for any blockages in the outdoor unit and ensure the system is ready for cold temperatures.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Unit does not start	No power; remote control batteries dead; circuit breaker tripped.	Check power supply; replace batteries; reset circuit breaker.
Insufficient cooling/heating	Dirty air filters; blocked outdoor unit; wrong mode selected; temperature setting incorrect.	Clean air filters; clear outdoor unit; select correct mode; adjust temperature.
Unusual noise	Loose parts; fan obstruction; refrigerant flow noise (normal).	Check for loose parts; remove obstruction; if persistent or loud, contact service.
Water leakage from indoor unit	Clogged drain pipe; improper installation.	Clear drain pipe; contact installer for inspection.
Remote control not working	Dead batteries; obstruction between remote and unit.	Replace batteries; ensure clear line of sight.

If the problem persists after attempting these solutions, please contact a qualified service technician.

8. SPECIFICATIONS

Feature	Specification
Brand	GREE
Model Name	GREE 24,000 MULTI+ Ultra 23 SEER DUAL
Model Number	9-18
Cooling Capacity	24,000 British Thermal Units (2 Tons)
Seasonal Energy Efficiency Ratio (SEER)	23
Cooling Operating Temperature Range	0°F to 118°F
Heating Operating Temperature Range	-31°F to 75°F
Noise Level	56 Decibels (Outdoor Unit)
Refrigerant	R-410A
Power Source	Corded Electric
Form Factor	Mini-Split
Control Method	Remote Control
Compressor Type	Rotary Scroll, Rotary Vane
Installation Type	Split System
Outdoor Unit Required	Yes
Application	Residential

9. WARRANTY INFORMATION

This GREE mini-split system comes with a **5 Year Manufacturer's Warranty**. For specific terms, conditions, and registration details, please refer to the warranty card included with your product or visit the official GREE website. Keep your proof of purchase for warranty claims.

10. SUPPORT AND CONTACT

For technical assistance, service, or warranty inquiries, please contact your authorized GREE dealer or the professional installer who installed your system. You may also visit the official GREE website for support resources and contact information.

GREE Official Website: www.greecomfort.com