

GREE MULTI18CFLR201

Gree Multi21+ Dual-Zone Floor/Ceiling Mini Split Air Conditioner Heat Pump User Manual

Model: MULTI18CFLR201

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INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Gree Multi21+ Dual-Zone Floor/Ceiling Mini Split Air Conditioner Heat Pump. Please read this manual thoroughly before installation and use, and retain it for future reference.

SAFETY INFORMATION

WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Refer to this manual. For assistance or additional information, consult a qualified installer or service agency.

- Installation must be performed by a state-licensed HVAC contractor to ensure eligibility for warranty and safe operation.
- Ensure the power supply matches the unit's requirements (208/230V).
- Do not attempt to repair or service the unit yourself. Contact qualified personnel.
- Keep children and pets away from the outdoor unit during operation.
- Ensure proper ventilation around the outdoor unit.

PRODUCT OVERVIEW

The Gree Multi21+ Dual-Zone system is an inverter-driven mini split air conditioner and heat pump designed for efficient heating and cooling of two separate zones. It utilizes eco-friendly R410A refrigerant.



Figure 1: Overview of the Gree Multi21+ Dual-Zone Mini Split system, showing two indoor floor/ceiling units, their respective remote controls, and the single outdoor condenser unit.



Figure 2: A single Gree Multi21+ Floor/Ceiling indoor unit, designed for flexible installation, accompanied by its wired wall controller and wireless remote control.



Figure 3: The Gree Multi21+ outdoor condenser unit, featuring the G10 inverter technology for energy efficiency and quiet operation.

SETUP AND INSTALLATION

The Gree Multi21+ system requires professional installation by a licensed HVAC contractor. This ensures correct setup, adherence to safety standards, and proper system performance, which is also a condition for warranty eligibility.

Key Installation Considerations:

- **Line Set:** Two sets of 1/4" x 3/8" line sets are required but not included with the unit.
- **Indoor Unit Placement:** The Multi21+ Universal Floor/Ceiling indoor units are versatile and can be suspended from a ceiling or mounted low on a wall. This design is particularly suitable for spaces with limited wall space, such as restaurants or hallways.
- **Electrical Connection:** The system operates on 208/230V. Ensure the electrical supply meets these requirements and is installed by a qualified electrician.

OPERATING INSTRUCTIONS

Your Gree Multi21+ system provides both heating and cooling functionalities, managed independently for two zones. The system is controlled via the provided wired wall controllers and wireless remote controls.

Key Features:

- **G10 Inverter Technology:** This advanced technology optimizes energy consumption, reduces operational noise from the outdoor unit, and maintains stable room temperatures by avoiding the frequent on/off cycles of conventional systems.
- **Dual-Zone Control:** Each indoor unit can be set to a different temperature and mode (heating or cooling), allowing for customized comfort in two distinct areas.
- **Air Purification Filter:** The indoor units are equipped with an air purification filter to improve indoor air quality.

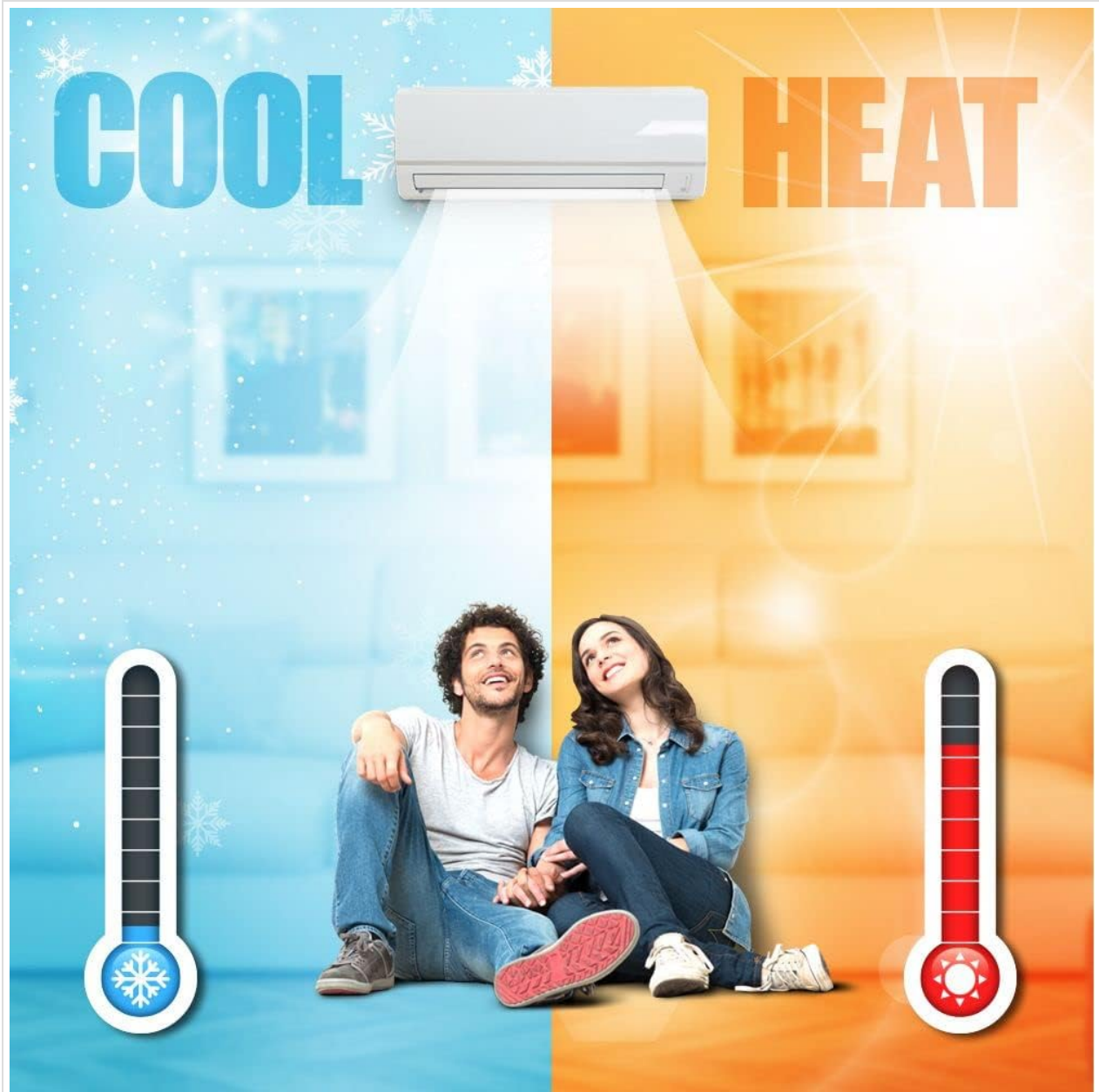


Figure 4: Visual representation of the Gree system's dual functionality, providing both cooling (blue) and heating (orange) capabilities for year-round comfort.



Figure 5: Icons illustrating key features and certifications of the Gree Multi21+ system, including a 5-year parts warranty, R410A refrigerant, heating & cooling, ETL listing, G10 Inverter Technology, AHRI certification, and Energy Star rating (except 42k model).

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Gree Multi21+ system. Always disconnect power to the unit before performing any maintenance.

- **Air Filter Cleaning:** The air filters in the indoor units should be cleaned regularly (e.g., monthly, or more frequently depending on usage and air quality). Refer to the specific indoor unit manual for instructions on how to access and clean the filters.
- **Outdoor Unit Cleaning:** Keep the outdoor unit free from obstructions, leaves, dirt, and debris. Periodically clean the outdoor coil with a soft brush or water hose (low pressure) to maintain airflow.
- **Professional Inspection:** It is recommended to have a licensed HVAC technician perform an annual inspection and professional cleaning of the entire system.

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

- **Unit Not Turning On:** Check power supply, circuit breaker, and ensure the remote control batteries are functional.
- **Insufficient Cooling/Heating:** Verify temperature settings, ensure air filters are clean, and check for any obstructions to airflow at indoor or outdoor units.
- **Unusual Noises:** Minor operational noises are normal. If loud or unusual noises occur, contact a qualified technician.
- **Water Leakage:** Ensure the condensate drain line is not clogged or kinked.

For persistent issues, contact a licensed HVAC professional.

SPECIFICATIONS

Feature	Detail
Brand	GREE
Model Number	MULTI18CFLR201
System Type	Dual-Zone Mini Split Air Conditioner Heat Pump
Cooling Capacity	18,000 BTU (1.5 Tons)
Voltage	208/230 Volts
SEER Rating	22
Refrigerant	R410A
Noise Level (Outdoor)	56 Decibels
Indoor Unit Dimensions (WxHxD)	48" x 27.6" x 8.9" (for 9k, 12k, 18k, 24k BTU units)
Outdoor Unit Dimensions (WxHxD)	38" x 27.6" x 15.6" (for 18,000 BTU unit)
Item Weight	300 pounds (total system)
Material Type	Steel
Special Features	Air Purification Filter, G10 Inverter Technology

Gree Floor Ceiling

INDOOR UNITS

MEASUREMENT (WxHxD)

9,000 BTU	48" x 27.6" x 8.9"
12,000 BTU	48" x 27.6" x 8.9"
18,000 BTU	48" x 27.6" x 8.9"
24,000 BTU	48" x 27.6" x 8.9"

OUTDOOR UNITS

MEASUREMENT

18,000 BTU	38" x 27.6" x 15.6"
24,000 BTU	38" x 31.1" x 17.3"
30,000 BTU	38.4" x 31" x 17.3"
36,000 BTU	42.5" x 43.9" x 18.9"
42,000 BTU	42.5" x 43.9" x 18.9"

Figure 6: Detailed table showing measurements for various BTU capacities of Gree Floor/Ceiling indoor and outdoor units.



Figure 7: A table detailing system performance specifications for various models, including cooling/heating capacity, airflow, sound level, and line set sizes.

WARRANTY INFORMATION



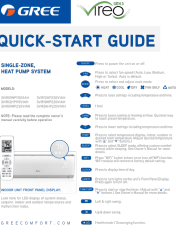



The Gree Multi21+ system comes with a manufacturer's warranty:

- **Parts:** 5 Years
- **Compressor:** 7 Years

Important Note: To be eligible for warranty coverage, installation must be performed by a state-licensed HVAC contractor. Failure to comply with this requirement may void the warranty.

SUPPORT

For technical support, service inquiries, or to locate a licensed HVAC contractor, please refer to the official Gree website or contact their customer service department. Always provide your model number (MULTI18CFLR201) and serial number when seeking support.

 <p>GREE FLEXX ULTRA R32 Heat Pump Submittal Data & Specifications</p> <p>Detailed submittal data, specifications, dimensions, and clearance requirements for the GREE FLEXX ULTRA R32 36000 BTU/H A-Coil Unitary Heat Pump Split System (FXA36C32AH / FXU36HP230V1R32AO).</p>	
 <p>GREE FLEXX ULTRA R32 A-Coil Unitary Heat Pump Submittal Data and Specifications</p> <p>Detailed submittal data, specifications, dimensions, and installation clearances for the GREE FLEXX ULTRA R32 A-Coil Unitary Heat Pump Split System (FXA48C32AH / FXU60HP230V1R32AO), featuring 48000 BTU/H capacity.</p>	
 <p>Gree Vireo GEN 3 Quick Start Guide: Single-Zone Heat Pump System</p> <p>Get started quickly with your Gree Vireo GEN 3 single-zone heat pump system. This guide covers remote control functions, indoor unit display, key features, and FAQs for models like 3VIR09HP115V1AH.</p>	
 <p>GREE FLEXX ULTRA R32 A-Coil Unitary Heat Pump System Specifications</p> <p>Submittal data and technical specifications for the GREE FLEXX ULTRA R32 60000 BTU/H A-Coil Unitary Heat Pump Split System (FXA60C32AH/FXU60HP230V1R32AO), detailing features, performance, dimensions, and installation clearances.</p>	
 <p>GREE FLEXX ULTRA R32 24000 BTU/H Unitary Heat Pump Split System Submittal Data and Specifications</p> <p>Detailed submittal data, specifications, features, fan performance, dimensions, accessory heater information, and installation clearances for the GREE FLEXX ULTRA R32 24000 BTU/H Unitary Heat Pump Split System, models FXU24HP230V1R32AH and FXU36HP230V1R32AO.</p>	
 <p>GREE Multi-Zone Split Type Air Conditioner Installation and Owner's Manual</p> <p>Comprehensive installation and owner's manual for GREE Multi-Zone Split Type Wall-mounted Air Conditioners (Models MULTI18HP230V1EO to MULTI42HP230V1EO), covering electrical connections, installation procedures, safety warnings, and maintenance.</p>	