

GREE MULTI36CCONS405

Gree Multi21+ Quad-Zone Floor Console Mini Split Air Conditioner Heat Pump User Manual

Model: MULTI36CCONS405

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Gree Multi21+ Quad-Zone Floor Console Mini Split Air Conditioner Heat Pump system. This system is designed to provide heating and cooling for up to four zones without the need for distribution boxes, utilizing Gree's G10 inverter-driven compressor and eco-friendly R410A refrigerant.

2. SAFETY INFORMATION

Please read all safety warnings and instructions carefully before installing or operating this appliance. Failure to follow these instructions may result in property damage, personal injury, or death.

- **Professional Installation Required:** Installation, maintenance, and repair of this unit must be performed by a state-licensed HVAC contractor. Improper installation can lead to electric shock, fire, water leakage, or other hazards.
- **Electrical Safety:** Ensure the unit is properly grounded and connected to a dedicated power supply as specified. Do not operate with wet hands.
- **Refrigerant Handling:** The system uses R410A refrigerant. Only qualified personnel should handle refrigerant.
- **Clearances:** Maintain adequate clearances around both indoor and outdoor units for proper airflow and service access.

3. PRODUCT OVERVIEW

The Gree Multi21+ system consists of an outdoor condenser unit and multiple indoor floor console units, each controlled independently.



Figure 3.1: Overview of the Gree Multi21+ Quad-Zone Mini Split System, showing four indoor floor console units and one outdoor condenser unit.



Figure 3.2: Front view of a Gree Multi21+ Floor Console indoor unit, including the display panel and a remote control for operation.



Figure 3.3: Side view of a Gree Multi21+ Floor Console indoor unit, illustrating its compact design and air intake vents.



Figure 3.4: Front view of the Gree Multi21+ outdoor condenser unit, showing the protective grille for the fan and the GREE branding.

4. SETUP AND INSTALLATION

Installation of the Gree Multi21+ system requires specialized knowledge and tools. It is mandatory that installation be performed by a state-licensed HVAC contractor to ensure proper function, safety, and warranty eligibility.

4.1 Key Installation Requirements:

- **Line Set:** The system requires 1/4" x 3/8" line sets (four sets for this quad-zone model), which are not included and must be purchased separately.
- **Electrical Connection:** The unit operates on 208/230V power. A dedicated circuit is required.
- **Mounting:** Indoor units can be mounted as low as six inches above the floor. Ensure stable and level mounting for both indoor and outdoor units.
- **Drainage:** Proper condensate drainage must be established for each indoor unit.

5. OPERATING INSTRUCTIONS

Your Gree Multi21+ system is controlled via a wireless remote control for each indoor unit. The G10 inverter technology ensures quiet, energy-efficient comfort by maintaining a steady room temperature without the harsh starts and stops of conventional systems.

5.1 Basic Operation:

- **Power On/Off:** Use the power button on the remote control to turn the unit on or off.
- **Mode Selection:** Select desired operating mode (Cool, Heat, Fan, Dry, Auto) using the mode button.
- **Temperature Adjustment:** Adjust the set temperature using the up/down arrows.
- **Fan Speed:** Select desired fan speed (Auto, Low, Medium, High).
- **Sleep Mode:** Activates a quiet, energy-saving operation for nighttime use.

6. MAINTENANCE

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

6.1 Filter Cleaning:

- The indoor floor console units feature front panel access to the air filter for ease of cleaning.
- Clean the air filters every two weeks, or more frequently depending on usage and air quality.
- Wash filters with lukewarm water and a mild detergent, rinse thoroughly, and allow to air dry completely before reinstallation.

6.2 General Cleaning:

- Wipe the indoor and outdoor unit surfaces with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure the outdoor unit's coils are free from debris (leaves, dirt) to maintain efficient heat exchange.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Unit does not operate	No power; remote control batteries low; incorrect mode selected	Check circuit breaker; replace remote batteries; select correct operating mode
Insufficient heating/cooling	Dirty air filter; blocked outdoor unit; temperature setting incorrect	Clean air filter; clear obstructions from outdoor unit; adjust temperature setting
Unusual noise	Loose parts; foreign object in fan; refrigerant flow noise (normal)	Inspect for loose parts; remove obstructions; consult manual for normal operating sounds

For issues not resolved by these steps, contact a licensed HVAC professional.

8. SPECIFICATIONS

Key technical specifications for the Gree Multi21+ Quad-Zone Floor Console Mini Split Air Conditioner Heat Pump (Model MULTI36CCONS405).

Feature	Specification
Brand	GREE
Model Number	MULTI36CCONS405
Capacity (Cooling Power)	36,000 BTU (3 Tons)
Seasonal Energy Efficiency Ratio (SEER)	21
Voltage	230 Volts
Refrigerant	R-410A (Non-Ozone Depleting)
Special Feature	G10 Inverter Technology
Installation Method	Split System
Control Method	Remote
Certifications	ETL Listed, AHRI Certified, Energy Star (except 42k model)

8.1 Unit Dimensions:

INDOOR UNITS	(WxHxD) MEASUREMENT
9,000 BTU	27.6" x 23.6" x 8.5"
12,000 BTU	27.6" x 23.6" x 8.5"
18,000 BTU	27.6" x 23.6" x 8.5"

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 8.1: Dimensions (Width x Height x Depth) for various BTU indoor and outdoor units. For this 36,000 BTU system, refer to the 12,000 BTU indoor unit dimensions for each console and the 36,000 BTU outdoor unit dimensions.

9. WARRANTY AND SUPPORT

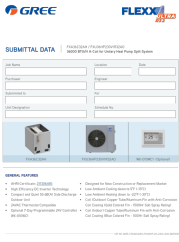





9.1 Manufacturer's Warranty:

The manufacturer's warranty terms include a 5-year warranty on parts and a 7-year warranty on the compressor. Please note that warranty eligibility requires installation to be performed by a state-licensed HVAC contractor.

9.2 Technical Support:

For technical assistance, warranty claims, or service inquiries, please contact your installing HVAC contractor or the Gree customer support line. Ensure you have your model number (MULTI36CCONS405) and date of installation readily available.

Related Documents - MULTI36CCONS405

	<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 Commercial & Multi-VRF Air Conditioning Systems Catalog</p> <p>Explore the comprehensive range of GREE commercial and multi-VRF air conditioning solutions, including light commercial AC, VRF systems, chillers, and fan coil units. Discover advanced features, technical specifications, and product lineups for efficient climate control.</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 / FXU60HP230V1R32A0), featuring 48000 BTU/H capacity.</p>
	<p>GREE Light Commercial Air Conditioners: Features and Specifications</p> <p>Explore the GREE Light Commercial air conditioning series, featuring R32 Inverter and U-Match models. Discover advanced technologies for energy saving, comfort, reliability, and convenient installation.</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 SAP09HP230V1R32AH/SAP09HP230V1R32AO Heat Pump Submittal Data and Specifications</p> <p>Detailed submittal data, specifications, features, and installation clearances for the GREE SAP09HP230V1R32AH/SAP09HP230V1R32AO 9000 BTU/H Wall Mounted Heat Pump System.</p>