

GREE MULTI36CVIR403

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

Model: MULTI36CVIR403

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Gree Multi21+ Quad-Zone Mini Split Air Conditioner Heat Pump system. This system is designed to provide comfortable heating and cooling for up to four independent zones using Gree's G10 inverter-driven compressor and eco-friendly R410A refrigerant.

Please read this manual thoroughly before operating your unit and retain it for future reference.

2. SAFETY INFORMATION

Important: Installation and servicing of this equipment must be performed by a state-licensed HVAC contractor. Improper installation or maintenance can result in electric shock, fire, water leakage, or other hazards.

- Always disconnect power to the unit before performing any maintenance or cleaning.
- Ensure the unit is properly grounded to prevent electric shock.
- Do not insert fingers or objects into the air inlet or outlet.
- Keep flammable materials away from the unit.
- Do not attempt to repair the unit yourself. Contact a qualified service technician.
- Ensure proper ventilation around the outdoor unit.

3. PRODUCT OVERVIEW

The Gree Multi21+ Quad-Zone system consists of one outdoor condenser unit, multiple indoor wall-mounted units (up to four for this model), and individual remote controls for each indoor unit. This system allows for independent temperature control in different rooms or zones.



This image displays the complete Gree Multi21+ Quad-Zone Mini Split Air Conditioner Heat Pump system, including four indoor wall-mounted units, four remote controls, and one outdoor condenser unit.



A close-up view of one of the Gree Multi21+ indoor wall-mounted units, showing its sleek design and digital display, alongside its dedicated remote control.



A detailed view of the Gree mini split system's remote control, highlighting buttons for mode selection, fan speed, swing, sleep, timer, and other functions.

Vireo+ Multi	
INDOOR UNITS	MEASUREMENT (W x H x D)
9,000 BTU	33" x 11" x 8"
12,000 BTU	33" x 11" x 8"
18,000 BTU	38" x 11" x 8"
24,000 BTU	42" x 12" x 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"

An isometric floor plan diagram illustrating how the Gree Multi21+ system can maintain different desired temperatures in multiple zones (rooms) within a home, showcasing its quad-zone capability.

4. SETUP AND INSTALLATION

The Gree Multi21+ system requires professional installation by a state-licensed HVAC contractor to ensure proper function, safety, and warranty validity. Do not attempt to install this system yourself.

Required Components (Not Included)

- 1/4" x 3/8" line set (x2) for refrigerant connections.

Electrical Requirements

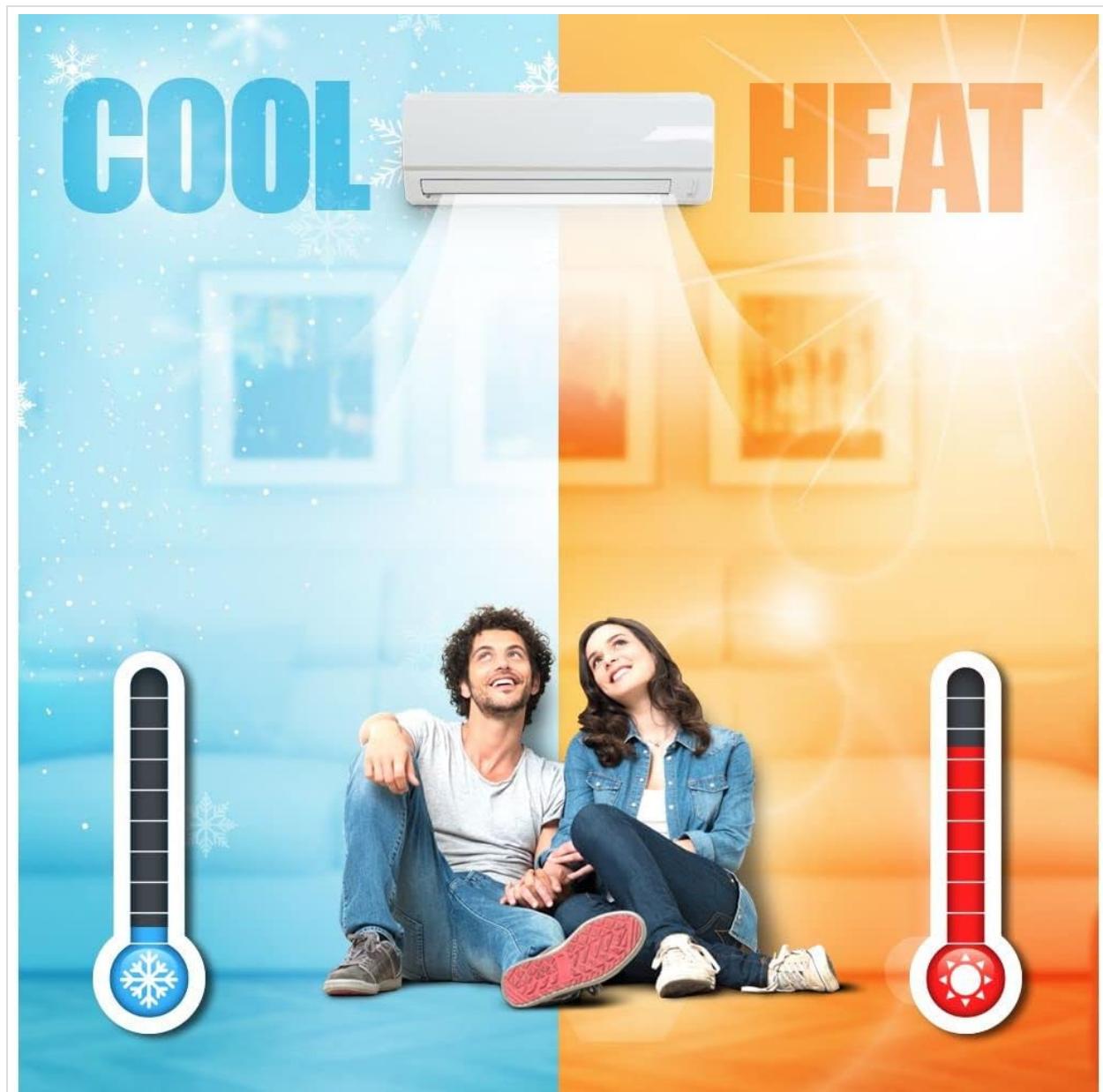
The system operates on 208/230V power. Ensure that the electrical supply meets the specifications outlined in the installation manual provided with the unit and local electrical codes.

5. OPERATING INSTRUCTIONS

Each indoor unit is controlled by its dedicated wireless remote control. Point the remote control directly at the indoor unit when sending commands.

Basic Operation Modes

- **COOL Mode:** For cooling the room. Adjust temperature using the up/down arrows.
- **HEAT Mode:** For heating the room. Adjust temperature using the up/down arrows.
- **FAN Mode:** Circulates air without heating or cooling. Fan speed can be adjusted.
- **DRY Mode:** Reduces humidity in the room.
- **AUTO Mode:** The unit automatically selects cooling or heating based on the set temperature and current room temperature.



An illustration demonstrating the dual cooling and heating capabilities of the Gree mini split system, showing cool air distribution for comfort in summer and warm air for winter.

Remote Control Functions

Refer to the remote control image in the Product Overview section for button layout.

- **MODE Button:** Cycles through operating modes (Auto, Cool, Dry, Heat, Fan).
- **FAN Button:** Adjusts fan speed (Auto, Low, Med, High).
- **SWING Button:** Controls the vertical louver movement for air distribution.
- **SLEEP Button:** Activates sleep mode for energy-saving and quiet operation.
- **TIMER ON/OFF:** Sets the unit to turn on or off automatically at a specified time.
- **I FEEL:** Activates the temperature sensor in the remote control for more precise temperature sensing at your location.

Wi-Fi Capability

The Multi21+ Vireo Wall Mount units are Wi-Fi capable. A field-installed Wi-Fi kit accessory is sold separately, allowing remote control of the unit via a smartphone application.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Gree mini split system. Always disconnect power before performing maintenance.

Indoor Unit Filter Cleaning

- Open the front panel of the indoor unit.
- Remove the air filters.
- Clean filters with a vacuum cleaner or wash them with lukewarm water.
- Allow filters to dry completely before reinstalling.
- Clean filters every two weeks or more frequently depending on usage and air quality.

Outdoor Unit Care

- Keep the area around the outdoor unit clear of debris, leaves, and snow to ensure proper airflow.
- Periodically check the outdoor coil for dirt and clean it gently with a soft brush or water hose if necessary.
- Ensure the condensate drain is not blocked.

7. TROUBLESHOOTING

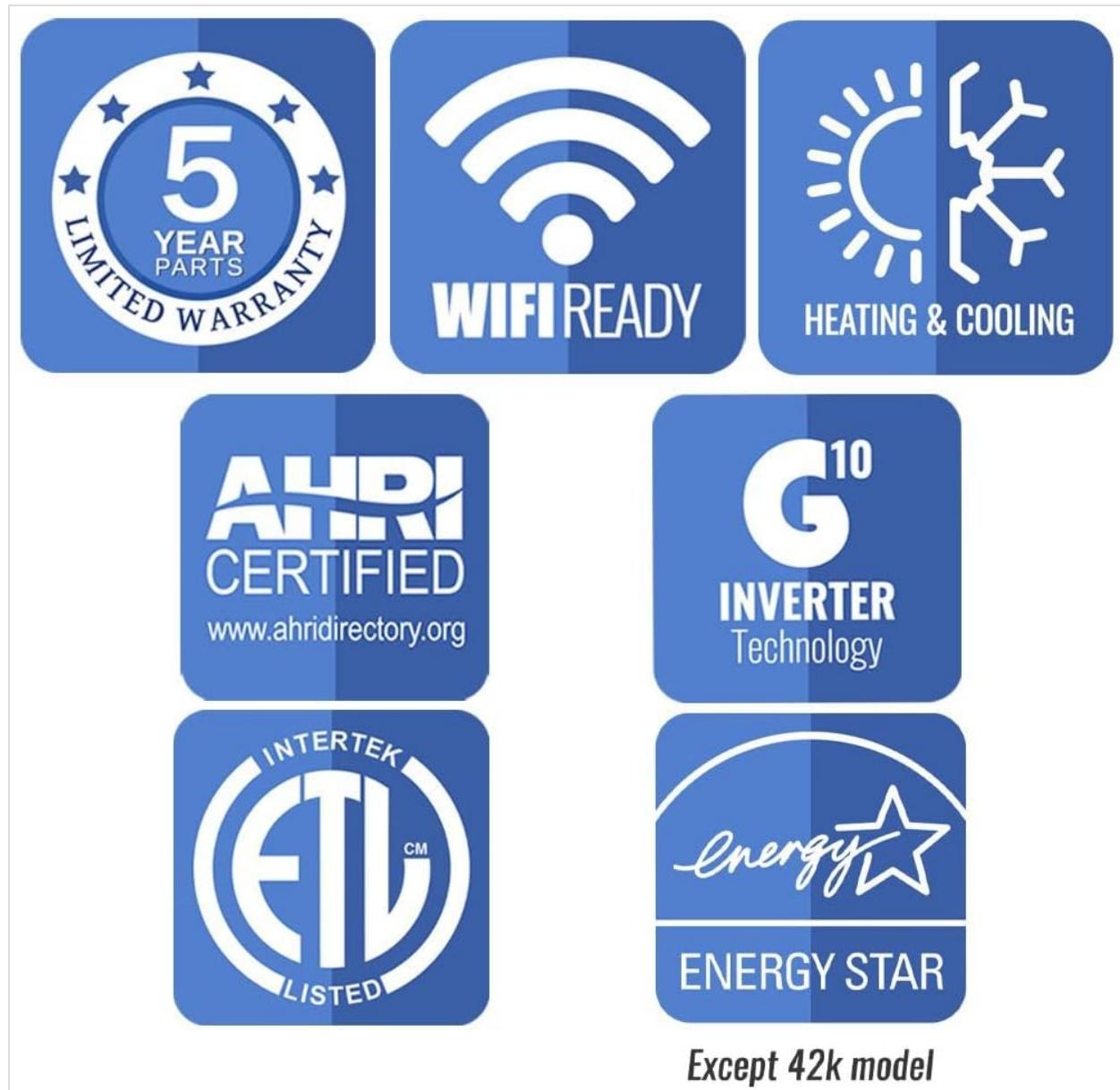
If you encounter issues with your unit, refer to the following common troubleshooting steps. For complex problems, contact a licensed HVAC technician.

- **Unit does not turn on:** Check power supply, circuit breaker, and ensure the remote control batteries are not depleted.
- **Insufficient cooling/heating:** Check if filters are clean, ensure no obstructions to airflow, verify correct mode and temperature settings.
- **Unusual noises:** Minor noises during operation are normal. If loud or persistent, contact a technician.
- **Water leakage from indoor unit:** Check if the condensate drain line is clogged or improperly installed.
- **Remote control not working:** Check battery orientation and charge. Ensure line of sight to the indoor

unit.

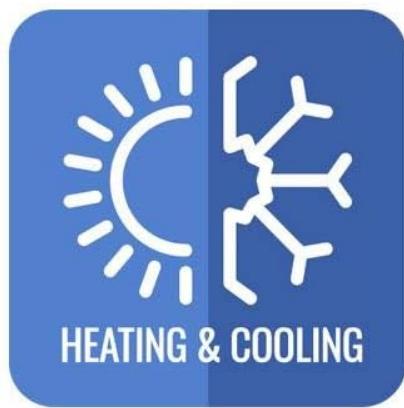
8. SPECIFICATIONS

Detailed technical specifications for the Gree Multi21+ Quad-Zone Mini Split Air Conditioner Heat Pump system.



A table providing the dimensions (Width x Height x Depth) for various BTU capacities of the Gree Vireo+ Multi indoor and outdoor units, useful for installation planning.

Specification	Value
Manufacturer	GREE
Part Number	MULTI36CVIR403
Item Weight	22 pounds (Indoor Unit)
Product Dimensions (Indoor Unit)	8.2 x 33.4 x 11.4 inches
Item Model Number	MULTI36CVIR403
Size	36,000 BTU / 9K, 9K, 12K, 12K
Color	White
Material	Steel
Power Source	corded electric
Voltage	230 Volts
Installation Method	Split System
Item Package Quantity	1 (System)
Special Features	Heating And Cooling Function
Capacity	3 Tons
Cooling Power	36000 British Thermal Units
Seasonal Energy Efficiency Ratio (SEER)	21
Refrigerant	R 410A
Model Name	Multi21+



Except 42k model

This image illustrates key features and certifications of the Gree Multi21+ system, including 5-year limited parts warranty, Wi-Fi readiness, heating and cooling functionality, AHRI certification, G10 Inverter Technology, ETL listing, and Energy Star rating.

9. WARRANTY AND SUPPORT

Your Gree Multi21+ Quad-Zone Mini Split Air Conditioner Heat Pump comes with the following manufacturer's warranty:

- **Parts:** 5-Year Limited Warranty
- **Compressor:** 7-Year Limited Warranty

Important Note: To be eligible for warranty coverage, installation must be performed by a state-licensed HVAC contractor.

For technical support, service, or warranty claims, please contact your authorized Gree dealer or a licensed HVAC professional who installed your system.

