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> [Gree 18,000 BTU Multi21+ Dual-Zone Wall Mount Mini Split Air Conditioner Heat Pump 208/230V SEER 22 \(9-12\) User Manual](#)

## GREE MULTI18CVIR201

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

Model: MULTI18CVIR201

## PRODUCT OVERVIEW

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The Gree Multi21+ Dual-Zone Wall Mount Mini Split Air Conditioner Heat Pump is an advanced climate control system designed for residential and commercial applications. This system provides efficient heating and cooling for two separate zones without the need for distribution boxes, utilizing Gree's G10 inverter-driven compressor and eco-friendly R410A refrigerant.

Key features include energy-saving G10 inverter technology, reduced outdoor noise, and consistent room temperature maintenance. The compact design of the Multi21+ Vireo Wall Mount units allows them to blend seamlessly with various interior decors. An optional Wi-Fi kit (sold separately) enables remote control via a smartphone.



Figure 1: Overview of the Gree Multi21+ Dual-Zone Mini Split System, showing indoor units, remote controls, and the outdoor condenser.

## SETUP AND INSTALLATION

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Proper installation is crucial for the optimal performance and longevity of your Gree Multi21+ system. This system requires specific line sets for connection, which are not included with the unit. You will need a 1/4" x 3/8" line set and a 1/4" x 1/2" line set.

**Important:** For warranty eligibility, installation must be performed by a state-licensed HVAC contractor. Attempting self-installation or installation by an unlicensed individual may void the manufacturer's warranty.

Consider the placement of both indoor and outdoor units to ensure proper airflow and accessibility for maintenance. The indoor units are designed for wall mounting and have a compact profile.

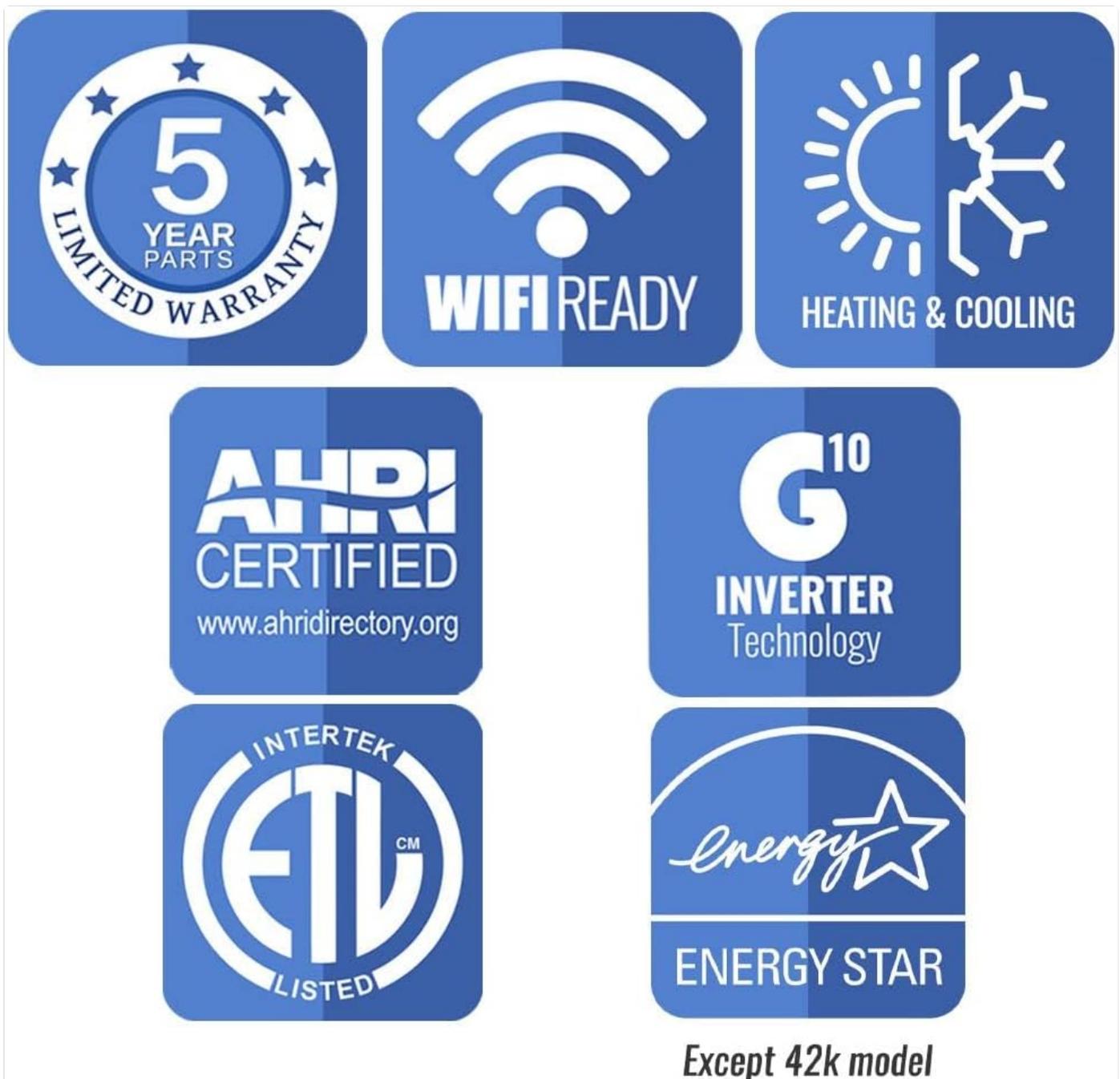


Figure 2: Example of an indoor unit installed on a wall, illustrating typical placement within a living space.

### Optional Wi-Fi Connectivity

The Multi21+ Vireo Wall Mount units are Wi-Fi capable. A field-installed Wi-Fi kit accessory is sold separately. This accessory allows you to control the unit remotely using your smartphone, providing enhanced convenience and control over your climate system.

### OPERATING INSTRUCTIONS

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Your Gree Multi21+ system is equipped with advanced features for efficient and comfortable climate control. The G10 inverter technology ensures precise temperature regulation by eliminating the harsh starts and stops common in conventional systems, leading to energy savings and quieter operation.

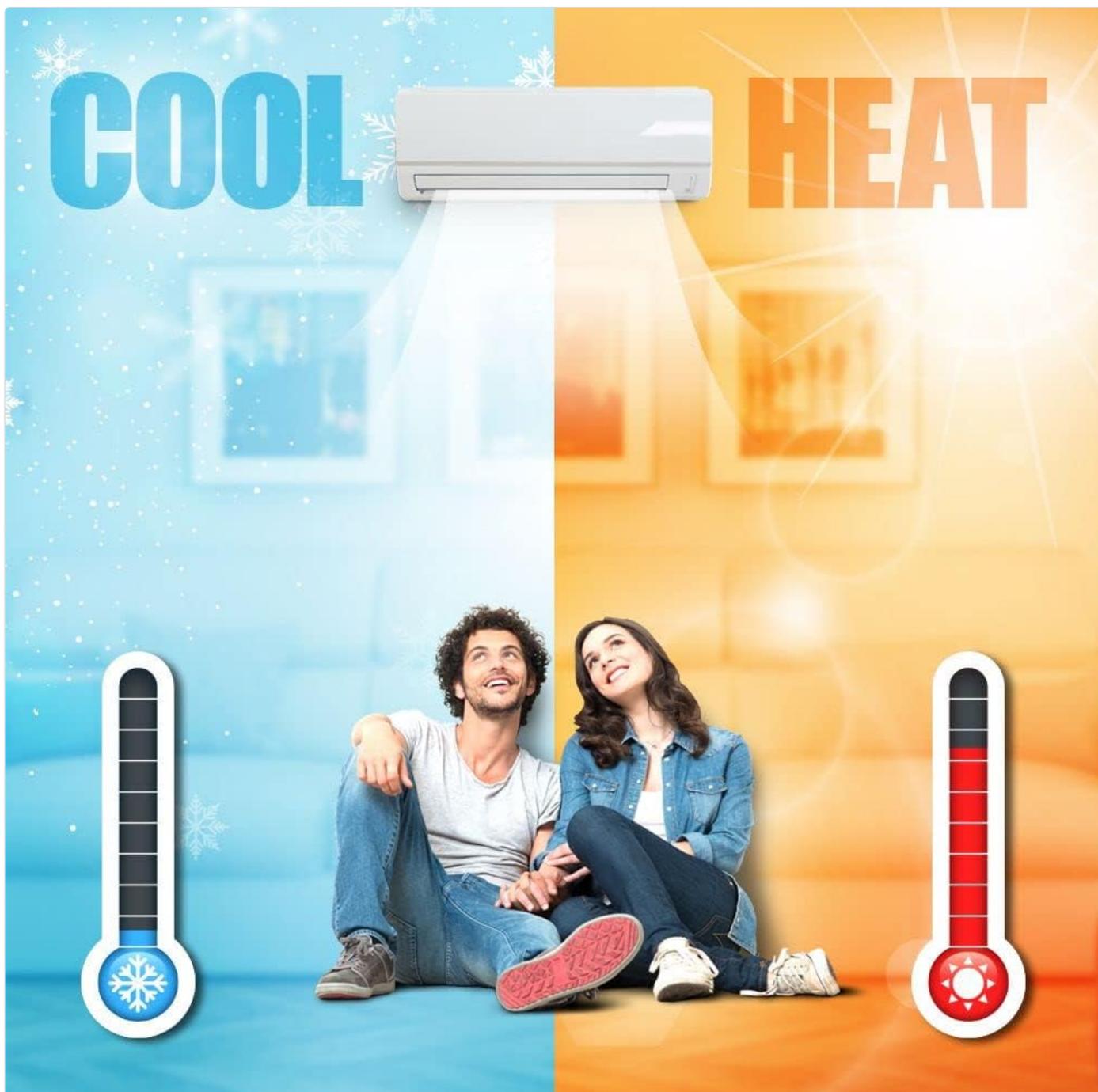


Figure 3: Indoor unit and remote control, highlighting the interface for operation.

### Remote Control Functions

The system is primarily operated via the included wireless remote control. Familiarize yourself with the buttons and display on the remote for various functions such as:

- **MODE:** Select operating mode (Cool, Heat, Fan, Dry, Auto).
- **FAN:** Adjust fan speed.
- **SWING:** Control louver direction for optimal air distribution.
- **SLEEP:** Activates a quiet, energy-saving mode for nighttime operation.
- **TIMER ON/OFF:** Set scheduled operation times.
- **I FEEL:** Activates a sensor in the remote to measure ambient temperature for more precise control.



Figure 4: Detailed view of the remote control for function identification.

## Heating and Cooling Capabilities & Dual-Zone Control

The Multi21+ system provides both heating and cooling functionalities, allowing you to maintain a comfortable indoor environment year-round. The dual-zone capability means you can set different temperatures for each connected indoor unit, optimizing comfort and energy usage across different areas of your home or office.

Vireo+ Multi	
INDOOR UNITS	(W.H.D) MEASUREMENT
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"

Figure 5: Illustration of dual-zone temperature control across different areas of a floor plan.



Figure 6: Visual representation of the system's cooling and heating capabilities.

## MAINTENANCE

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Regular maintenance ensures the efficiency and longevity of your Gree Multi21+ system. While specific maintenance schedules are detailed in the full installation manual, general practices include:

- **Filter Cleaning:** The system features an air purification filter. Regularly clean or replace the air filters in the indoor units to maintain air quality and system efficiency. Dirty filters can restrict airflow and reduce cooling/heating performance.
- **Outdoor Unit Cleaning:** Keep the outdoor condenser unit free from debris, leaves, and other obstructions. Ensure the coils are clean for optimal heat exchange.
- **Professional Inspection:** Schedule annual inspections and maintenance by a licensed HVAC technician. This includes checking refrigerant levels, electrical connections, and overall system operation.

## TROUBLESHOOTING

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If you encounter issues with your Gree Multi21+ system, consider the following basic troubleshooting steps before contacting a service technician:

- **No Power:** Check the circuit breaker. Ensure the unit is properly plugged in and the power supply is active.
- **Poor Cooling/Heating:**
  - Verify the thermostat setting is appropriate for the desired temperature.
  - Check if air filters are clean and not obstructed.
  - Ensure no obstructions are blocking the indoor or outdoor unit's airflow.
  - Confirm the system is set to the correct operating mode (Cool or Heat).
- **Unusual Noises:** Minor operational noises are normal. However, if you hear loud or unusual sounds (e.g., grinding, hissing), turn off the unit and contact a professional.
- **Remote Control Issues:** Check the batteries in the remote control. Ensure there are no obstructions between the remote and the indoor unit's receiver.

For complex issues or if basic troubleshooting does not resolve the problem, contact a licensed HVAC professional for diagnosis and repair.

## SPECIFICATIONS

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The following table provides key specifications for the Gree Multi21+ Dual-Zone Mini Split Air Conditioner Heat Pump (Model: MULTI18CVIR201):

Attribute	Value
Brand	GREE
Model Number	MULTI18CVIR201
Product Dimensions (Outdoor Unit)	16 x 38 x 28 inches
Item Weight	115 pounds
Capacity	1.5 Tons (18,000 BTU)
Cooling Power	18000 British Thermal Units
Voltage	230 Volts
Wattage	5263 watts
Seasonal Energy Efficiency Ratio (SEER)	22
Noise Level	56 dB
Special Feature	Air Purification Filter
Material	Steel
Color	White

# Vireo+ Multi

## INDOOR UNITS

## (WxHxD) MEASUREMENT

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## OUTDOOR UNITS

## MEASUREMENT

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Figure 7: Detailed measurements for Vireo+ Multi indoor and outdoor units by BTU capacity.

## WARRANTY INFORMATION

Gree provides a comprehensive warranty for the Multi21+ Dual-Zone Mini Split Air Conditioner Heat Pump:

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

**Important Warranty Condition:** To be eligible for the manufacturer's warranty, the installation of the system must be performed by a state-licensed HVAC contractor. Failure to comply with this requirement may void your warranty.

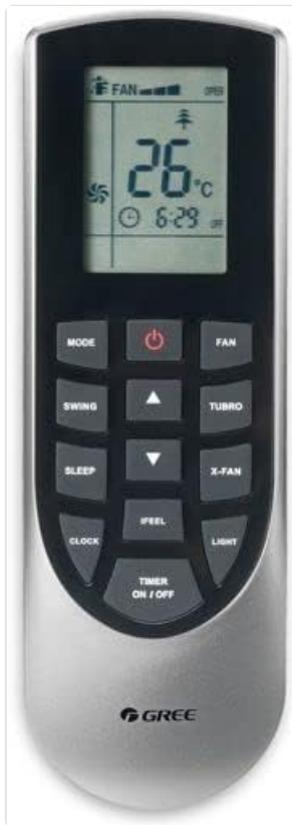


Figure 8: Product certifications and warranty highlights.

## SUPPORT AND CONTACT

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For further assistance, technical support, or warranty claims, please contact Gree customer service or visit the official Gree website. Ensure you have your model number (MULTI18CVIR201) and purchase details available when seeking support.

You can find more information and support resources by visiting the [GREE Store on Amazon](#).