

GREE MULTI42CVIR303

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

Model: MULTI42CVIR303

INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Gree Multi21+ Tri-Zone Wall Mount Mini Split Air Conditioner Heat Pump. Please read this manual thoroughly before using the unit and retain it for future reference.

The Gree Multi21+ Tri-Zone system is designed to provide heating and cooling for up to three separate zones, utilizing GREE's G10 inverter-driven compressor technology and R410A refrigerant for energy efficiency and quiet operation.



Image: The Gree Multi21+ Tri-Zone Mini Split indoor unit with its remote control.

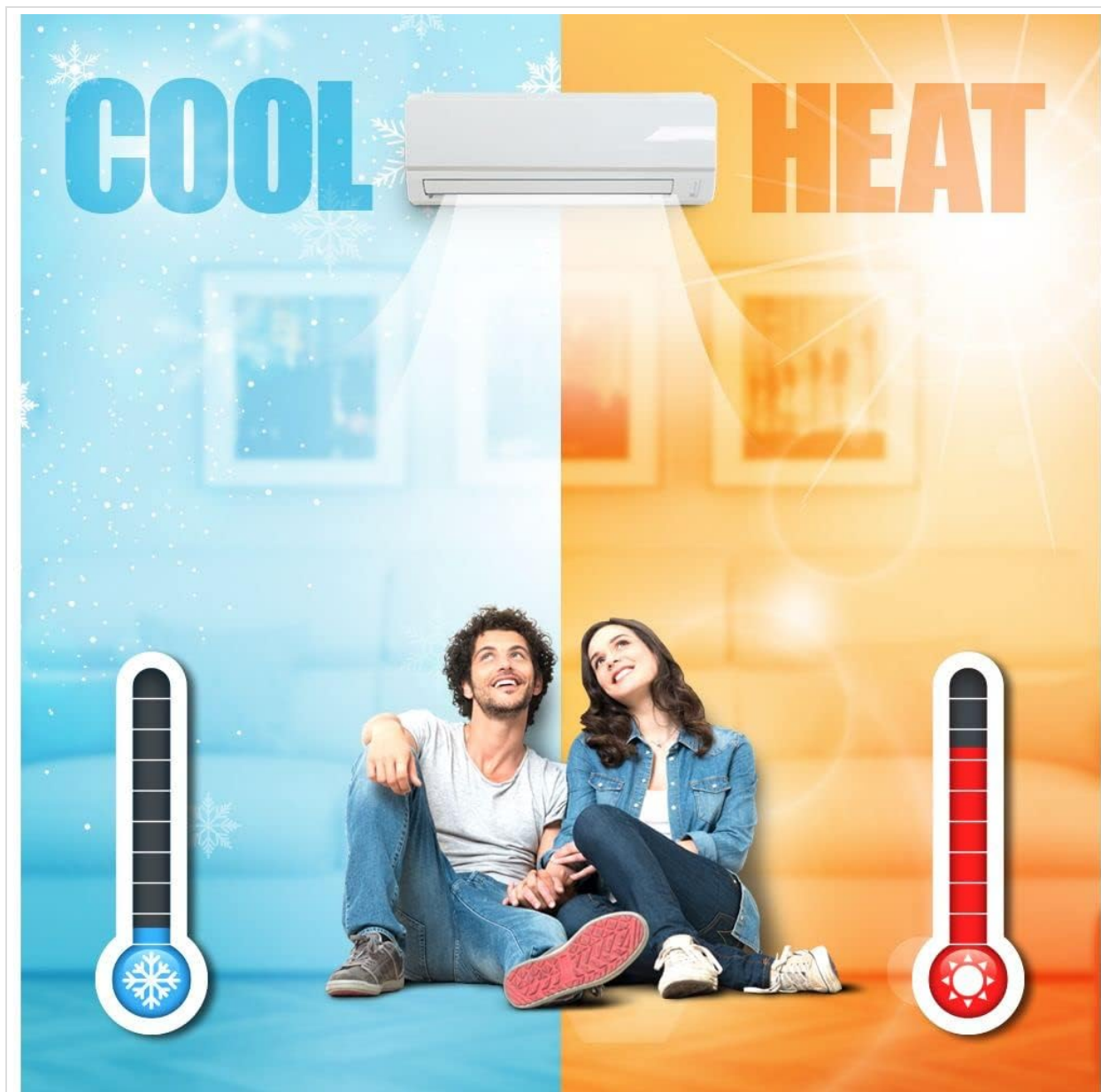


Image: Visual representation of the system's ability to provide both cooling and heating.

SAFETY INFORMATION

WARNING:

- Installation must be performed by a state-licensed HVAC contractor to ensure proper function and warranty eligibility.
- Do not attempt to repair or service the unit yourself. Refer all servicing to qualified personnel.
- Ensure the power supply matches the unit's requirements (208/230V).
- Keep children and pets away from the outdoor unit during operation.
- Do not block air inlets or outlets of either the indoor or outdoor units.

This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov.

PRODUCT FEATURES

- **Multi-Zone Capability:** Heats and cools up to three independent zones without the need for distribution

boxes.

- **G10 Inverter Technology:** Provides energy savings, reduces outdoor noise, and maintains stable room temperatures by eliminating frequent compressor starts and stops.
- **Eco-Friendly Refrigerant:** Utilizes R410A refrigerant.
- **Compact Design:** Wall-mount indoor units are designed to blend seamlessly with various interior decors.
- **Wi-Fi Capable:** Optional field-installed Wi-Fi kit (sold separately) allows remote control via a smartphone application.
- **Air Purification Filter:** Equipped with an air purification filter.

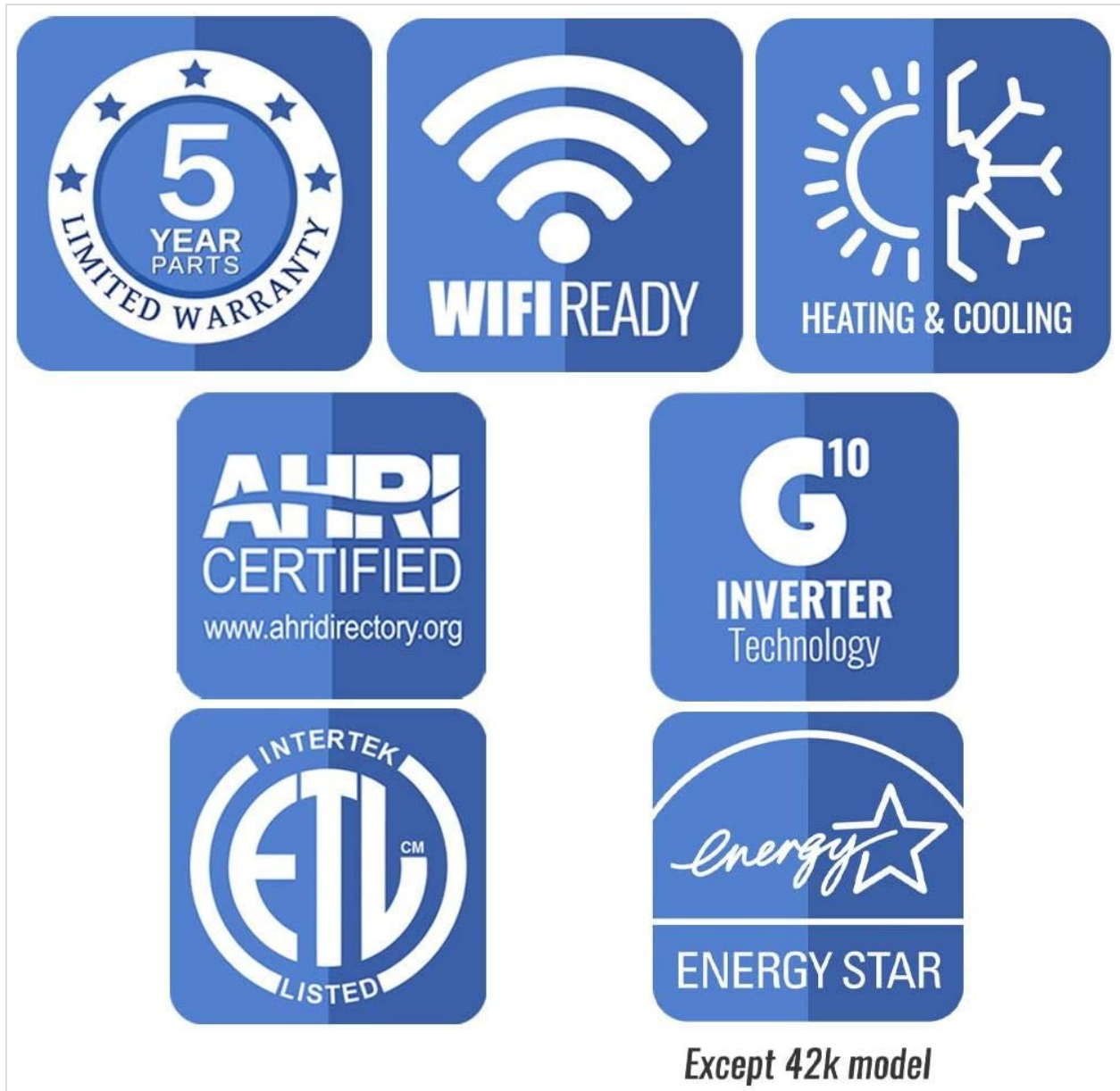


Image: Key features and certifications for the Gree Multi21+ Tri-Zone Mini Split system.

SETUP AND INSTALLATION

The installation of the Gree Multi21+ Tri-Zone Mini Split system requires specialized knowledge and tools. **It must be performed by a state-licensed HVAC contractor.** Failure to do so will void the manufacturer's warranty.

Components Required (Not Included):

- 1/4" x 3/8" line set (x2 for each indoor unit)
- Appropriate electrical wiring and circuit protection.
- Condensate drain lines.

General Installation Steps (for HVAC contractor):

1. Select appropriate locations for indoor and outdoor units, ensuring proper airflow and clearance.
2. Mount indoor units securely on the wall.
3. Install the outdoor condenser unit on a level, stable surface.
4. Connect refrigerant line sets between indoor and outdoor units.
5. Connect electrical wiring according to local codes and the wiring diagram.
6. Install condensate drain lines to ensure proper water removal.
7. Evacuate the refrigerant lines and check for leaks.
8. Charge the system with R410A refrigerant if necessary.
9. Test the system for proper operation in all modes.



Image: Illustrative diagram of a multi-zone mini split system providing climate control to different areas of a home.

OPERATING INSTRUCTIONS

Your Gree Multi21+ system is controlled via a wireless remote control. Ensure the remote has fresh batteries installed.

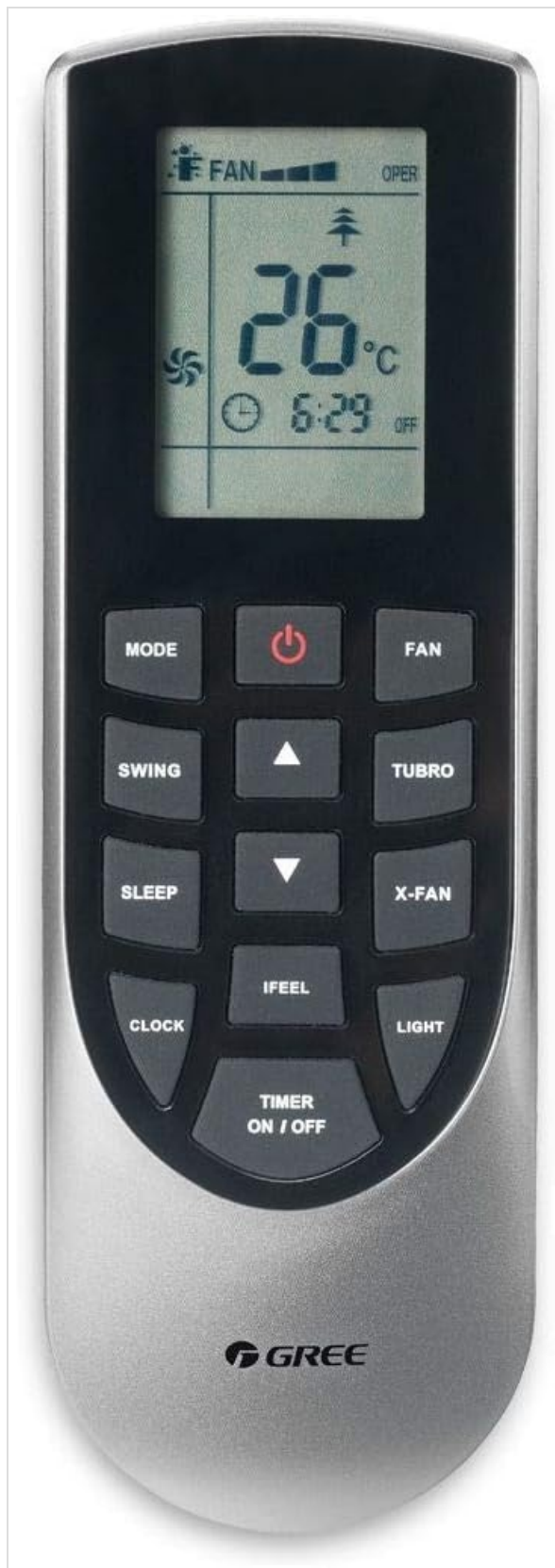


Image: Detailed view of the remote control for the Gree mini split system.

Remote Control Functions:

- **POWER Button:** Turns the unit ON or OFF.
- **MODE Button:** Cycles through operating modes: Auto, Cool, Dry, Fan, Heat.
- **FAN Button:** Adjusts fan speed (Auto, Low, Medium, High).
- **TEMP ▲/▼ Buttons:** Adjusts the desired temperature setting.
- **SWING Button:** Controls the vertical louver movement for air distribution.
- **SLEEP Button:** Activates sleep mode for energy-saving and quiet operation during sleep.

- **TIMER ON/OFF Button:** Sets a timer for the unit to turn ON or OFF automatically.
- **LIGHT Button:** Turns the display light on the indoor unit ON or OFF.
- **I FEEL Button:** Activates the "I Feel" function, which senses the temperature at the remote control's location for more precise comfort.
- **TURBO Button:** Activates rapid cooling or heating for a short period.
- **X-FAN Button:** Activates the X-Fan function to dry the indoor coil after cooling operation, preventing mold growth.

Wi-Fi Control (Optional):

If the optional Wi-Fi kit is installed, you can control your unit remotely using a smartphone application. Refer to the Wi-Fi kit's separate instructions for setup and operation.

MAINTENANCE

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

Indoor Unit:

- **Air Filter Cleaning:** Clean the air purification filters every two weeks or more frequently depending on usage and air quality.
 - Open the front panel of the indoor unit.
 - Remove the air filters.
 - Wash filters with lukewarm water and mild detergent, or vacuum them.
 - Allow filters to dry completely before reinstalling.
- **Exterior Cleaning:** Wipe the indoor unit's exterior with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

Outdoor Unit:

- **Coil Cleaning:** Periodically check the outdoor coil for dirt and debris. Clean with a soft brush or water hose. Avoid bending the coil fins.
- **Clearance:** Ensure that the area around the outdoor unit is free from obstructions (leaves, snow, debris) to maintain proper airflow.
- **Professional Inspection:** It is recommended to have a licensed HVAC technician inspect and service the entire system annually.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Unit does not turn on.	No power, remote control batteries dead, circuit breaker tripped.	Check power supply, replace remote batteries, reset circuit breaker.
Insufficient cooling/heating.	Dirty air filters, blocked outdoor unit, wrong mode selected, temperature setting too high/low.	Clean air filters, clear obstructions from outdoor unit, select correct mode, adjust temperature.

Problem	Possible Cause	Solution
Unusual noise.	Loose parts, fan obstruction, refrigerant flow noise (normal).	Check for loose parts. If noise persists or is abnormal, contact a technician.
Water leakage from indoor unit.	Clogged drain line, improper installation.	Check and clear drain line. If issue persists, contact an HVAC contractor.

If troubleshooting steps do not resolve the issue, contact a licensed HVAC technician for assistance.

SPECIFICATIONS

Feature	Detail
Brand	GREE
Model Name	MULTI42CVIR303
Cooling Power	42,000 BTU
Capacity	3.5 tons
Seasonal Energy Efficiency Ratio (SEER)	21.6
Voltage	208/230 Volts
Refrigerant	R 410A
Filter Type	Air Purification Filter
Form Factor	Mini-Split
Installation Type	Split System
Control Method	App (with optional kit), Remote Control
UPC	841999167356

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	36" 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"

Image: Table detailing the width, height, and depth measurements for various BTU indoor and outdoor units of the Vireo Multi series.

WARRANTY AND SUPPORT

Manufacturer's Warranty:

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

Important Warranty Note:

To be eligible for the manufacturer's warranty, installation must be performed by a state-licensed HVAC contractor. Retain proof of professional installation for warranty claims.

Customer Support:

For technical assistance, warranty claims, or to locate a licensed HVAC contractor, please refer to the contact information provided with your purchase documentation or visit the official GREE website.

You can also visit the GREE Store on Amazon for more product information.[GREE Store](#)