

## GREE MULTI24CVIR203

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

Brand: GREE | Model: MULTI24CVIR203

## 1. INTRODUCTION

Thank you for choosing the Gree Multi21+ Dual-Zone Wall Mount Mini Split Air Conditioner Heat Pump. This system is designed to provide efficient and comfortable heating and cooling for two separate zones in your home or office. Featuring Gree's advanced G10 inverter-driven compressor and eco-friendly R410A refrigerant, this unit offers energy savings, reduced noise, and stable room temperatures.

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your new system. Please read it thoroughly before installation and operation, and keep it for future reference.

## 2. IMPORTANT SAFETY INFORMATION

**WARNING: Installation and servicing of this equipment must be performed by a state-licensed HVAC contractor. Improper installation or service can result in property damage, injury, or death.**

- Always disconnect power to the unit before performing any maintenance or service.
- Ensure proper grounding to prevent electrical shock.
- Do not block the air intake or outlet of the indoor or outdoor units.
- Keep flammable materials away from the unit.
- Do not attempt to repair the unit yourself. Contact a qualified service technician.
- Use only specified refrigerant (R410A).

## 3. PRODUCT OVERVIEW AND COMPONENTS

The Gree Multi21+ Dual-Zone system consists of an outdoor condenser unit, two indoor wall-mounted units, and two remote controls. Each indoor unit operates independently to control the temperature in its respective zone.



*Figure 3.1: Complete Gree Multi21+ Dual-Zone System*

Key components include:

- **Outdoor Unit:** Houses the compressor, condenser coil, and fan.
- **Indoor Units:** Wall-mounted units with evaporator coils, fans, and air filters.
- **Remote Controls:** For convenient operation of each indoor unit.
- **Line Sets (not included):** Copper tubing and electrical wiring connecting indoor and outdoor units.

## 4. SETUP AND INSTALLATION

The Gree Multi21+ Dual-Zone system requires professional installation by a state-licensed HVAC contractor. This ensures proper sizing, electrical connections, refrigerant charging, and compliance with local building codes.

Key installation considerations:

- **Location:** Indoor units should be placed for optimal air distribution. The outdoor unit requires adequate clearance for airflow.

- **Electrical Requirements:** The system operates on 208/230V. Ensure dedicated circuit and proper wiring.
- **Line Sets:** Required 1/4" x 1/2" line sets (x2) are not included and must be purchased separately.
- **Drainage:** Proper condensate drainage for indoor units is crucial to prevent water damage.

## 5. OPERATING INSTRUCTIONS

Your Gree Multi21+ system is designed for user-friendly operation via the wireless remote control. Each indoor unit has its own remote for independent zone control.



Figure 5.1: Indoor Unit and Remote Control

### 5.1 Basic Functions

- **Power On/Off:** Press the **ON/OFF** button on the remote.
- **Mode Selection:** Press the **MODE** button to cycle through modes: Auto, Cool, Dry, Heat, Fan.
- **Temperature Adjustment:** Use the **UP/DOWN** arrows to set your desired temperature.
- **Fan Speed:** Press the **FAN** button to adjust fan speed (Auto, Low, Medium, High).

### 5.2 Advanced Features

- **G10 Inverter Technology:** This technology ensures precise temperature control, energy efficiency, and quiet operation by eliminating harsh starts and stops.

- **Wi-Fi Capability:** The unit is Wi-Fi capable. A field-installed Wi-Fi kit accessory (sold separately) allows you to control the unit remotely via your smartphone.
- **Sleep Mode:** Optimizes temperature and fan speed for comfortable sleep and energy savings.
- **Timer Function:** Set the unit to turn on or off automatically at specific times.



Figure 5.2: Key Product Features

## 6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Gree mini split system.

### 6.1 Air Filter Cleaning

Clean the air filters every two weeks or more frequently depending on usage and air quality. Dirty filters can reduce efficiency and airflow.

1. Open the front panel of the indoor unit.

2. Remove the air filters.
3. Clean filters with a vacuum cleaner or wash with lukewarm water and mild detergent.
4. Allow filters to dry completely before reinserting.

## 6.2 Unit Cleaning

- Wipe the indoor and outdoor units with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure the outdoor unit's coils are free of debris (leaves, dirt).

**NOTE: For deep cleaning of coils or other internal components, contact a licensed HVAC professional.**

## 7. TROUBLESHOOTING

Before contacting service, check the following common issues:

Problem	Possible Cause	Solution
Unit does not turn on	No power, remote batteries dead	Check circuit breaker, replace remote batteries
Insufficient cooling/heating	Dirty air filter, blocked airflow, wrong mode	Clean filters, clear obstructions, select correct mode
Unusual noise	Loose parts, debris in fan	Contact service if persistent or loud
Water leakage from indoor unit	Clogged drain line	Contact service for drain line inspection/cleaning

If the problem persists after attempting these solutions, please contact a licensed HVAC professional for assistance.

## 8. SPECIFICATIONS

Below are the general specifications for the Gree Multi21+ Dual-Zone Mini Split Air Conditioner Heat Pump (Model: MULTI24CVIR203).

Feature	Detail
Product Dimensions	10 x 29 x 11 inches
Item Weight	40 pounds
Manufacturer	GREE
Item Model Number	MULTI24CVIR203
Capacity	2 Tons (24,000 BTU)
Voltage	208/230 Volts
Noise Level	56 dB
Cooling Power	24000 British Thermal Units

Feature	Detail
Special Feature	Air Purification Filter
Seasonal Energy Efficiency Ratio (SEER)	21
Color	White
Refrigerant	R-410A
Power Source	Corded Electric

## Vireo+ Multi

### INDOOR UNITS

### (WxHxD)

### 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 8.1: Indoor and Outdoor Unit Dimensions

## 9. WARRANTY INFORMATION

The manufacturer's warranty terms for this Gree Multi21+ system are:

- **5 Years** on parts
- **7 Years** on the compressor

**Please Note: Installation must be performed by a state-licensed HVAC contractor in order to be eligible for the warranty.**

Keep your purchase receipt and installation records for warranty claims.

## 10. CUSTOMER SUPPORT

For technical assistance, warranty claims, or professional servicing, please contact your installing HVAC contractor or the authorized Gree service center in your region. Refer to your installation documentation for specific contact details.

You can also visit the official Gree website for additional resources and support information.