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GREE MULTI18CLIV200

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

Model: MULTI18CLIV200

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1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Gree 18,000 BTU Multi21+ Dual-Zone Wall Mount Mini Split Air Conditioner Heat Pump. Please read this manual thoroughly before installation and operation, and retain it for future reference. This system is designed to provide both cooling and heating for two separate zones, utilizing Gree's G10 inverter-driven compressor technology for energy efficiency and consistent comfort.



Figure 1.1: Overview of the Gree Multi21+ Dual-Zone Mini Split System. This image displays the complete system, including two indoor wall-mounted units, two remote controls for individual zone management, and a single outdoor condenser unit, illustrating the multi-zone capability.

2. SAFETY INFORMATION

Always adhere to the following safety precautions to prevent injury, damage to property, or damage to the unit. Improper operation due to ignoring instructions may cause harm or damage.

2.1 General Safety Warnings

- **Professional Installation Required:** Installation, maintenance, and repair of this unit must be performed by qualified and certified HVAC professionals. Incorrect installation can lead to electric shock, fire, or water leakage.
- **Electrical Safety:** Ensure the power supply matches the unit's specifications (208/230V). Do not operate with wet hands. Always disconnect power before servicing.
- **Refrigerant Handling:** This unit uses R410A refrigerant. Handling of refrigerant must be done by certified personnel only.
- **Ventilation:** Ensure adequate ventilation during installation and maintenance.
- **Children and Pets:** Keep children and pets away from the unit during operation and maintenance.

- **Flammable Materials:** Do not place flammable materials or spray aerosols near the unit.

2.2 Electrical Requirements

The unit requires a 208/230V power supply. All electrical wiring must comply with local and national electrical codes. A dedicated circuit breaker is recommended for the unit.

3. SETUP & INSTALLATION

Proper installation is critical for the performance and longevity of your Gree Mini Split system. It is strongly recommended that installation be performed by a licensed HVAC technician.

3.1 Pre-Installation Checks

- Verify all components are present and undamaged.
- Ensure the installation location for both indoor and outdoor units meets clearance requirements and structural integrity.
- Confirm the availability of the required 1/4" x 3/8" line sets (two sets are needed for this dual-zone system), which are not included with the unit.

3.2 Installation Overview

1. **Mounting the Indoor Units:** Select appropriate wall locations for each indoor unit, ensuring proper drainage and air circulation.
2. **Mounting the Outdoor Unit:** Choose a stable, level outdoor location with sufficient airflow and clearance from obstructions.
3. **Connecting Refrigerant Lines:** Connect the pre-flared refrigerant lines between the indoor and outdoor units. Proper vacuuming of the lines is essential.
4. **Electrical Connections:** Connect the power supply and communication wiring according to the wiring diagram provided in the full installation manual.
5. **Drainage:** Install condensate drain lines for each indoor unit, ensuring proper slope for gravity drainage.
6. **Leak Checks and Test Run:** After all connections are made, perform a leak check and a test run to ensure proper operation.



Figure 3.1: Detailed view of an indoor wall-mounted unit. This image highlights the sleek design and digital display of the indoor unit, which should be mounted securely on an interior wall.



Figure 3.2: Example of an indoor unit installed in a living room setting. This image demonstrates how the compact design of the indoor unit integrates seamlessly into a modern living space.

4. OPERATING INSTRUCTIONS

Your Gree Multi21+ system offers various modes to ensure year-round comfort. Each indoor unit can be controlled independently for dual-zone climate control.

4.1 Basic Operation Modes

- **Cool Mode:** For cooling the room. Set desired temperature using the remote control.
- **Heat Mode:** For heating the room. The heat pump efficiently provides warmth.
- **Fan Mode:** Circulates air without heating or cooling. Fan speed can be adjusted.
- **Dry Mode (Dehumidification):** Reduces humidity in the room.
- **Auto Mode:** Automatically selects cooling or heating based on the set temperature and current room temperature.

4.2 Remote Control Usage

Each indoor unit comes with its own remote control. Point the remote directly at the indoor unit when operating. Common functions include:

- **ON/OFF Button:** Powers the unit on or off.
- **MODE Button:** Cycles through operating modes (Cool, Heat, Fan, Dry, Auto).
- **Temperature Adjustment Buttons:** Increase or decrease the set temperature.
- **Fan Speed Button:** Adjusts fan speed (Auto, Low, Medium, High).
- **Swing Button:** Controls the louver direction for optimal air distribution.
- **Timer Function:** Set the unit to turn on or off automatically at a specified time.

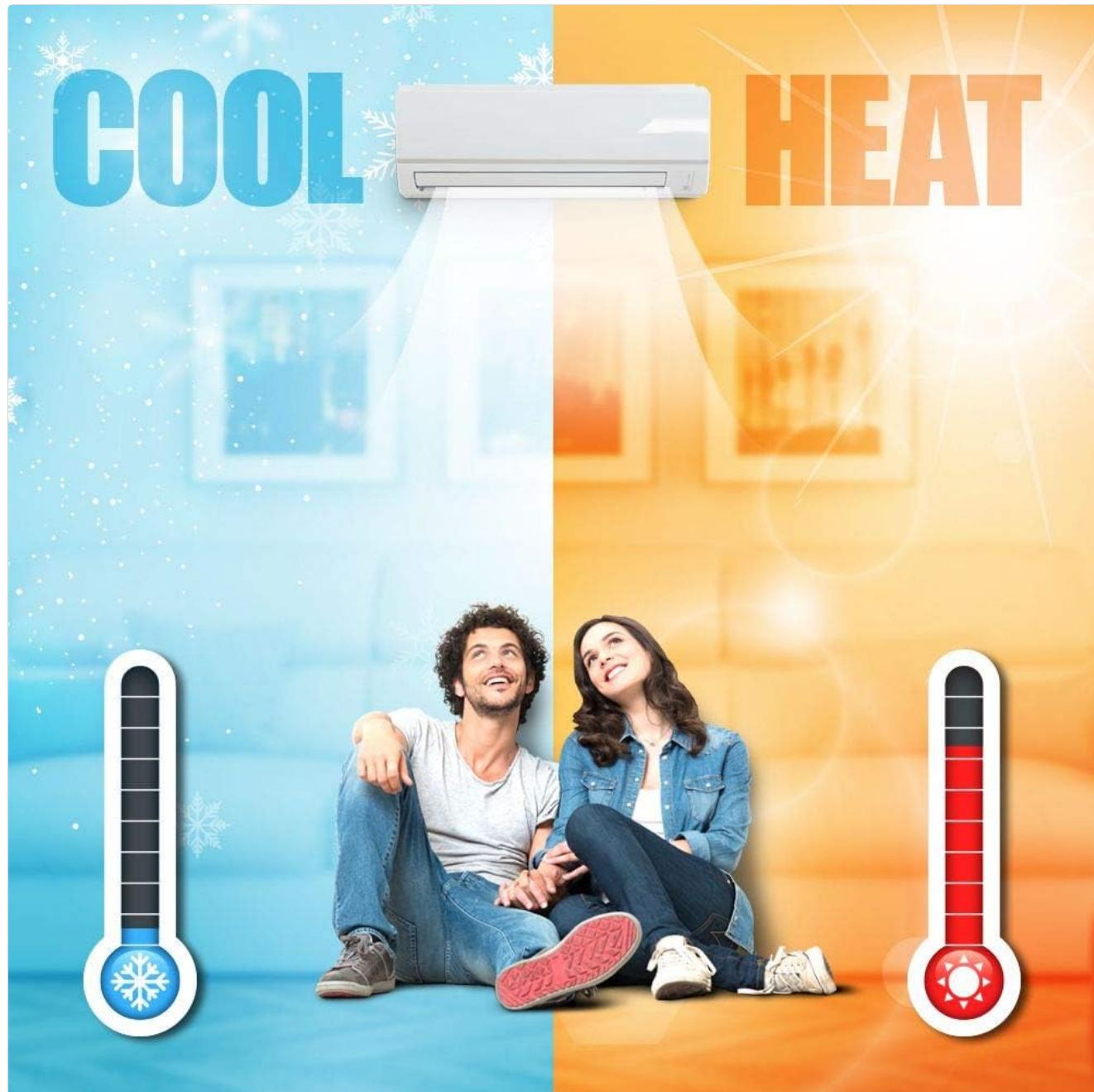


Figure 4.1: Visual representation of the cooling and heating capabilities. This image illustrates the system's ability to provide both cool air during warmer periods and warm air during colder periods, ensuring year-round comfort.

4.3 Wi-Fi Control (Optional)

The Gree Multi21+ system offers an option to upgrade with a field-installed Wi-Fi kit accessory (sold separately). This allows you to remotely control the unit using your smartphone via a dedicated application. Consult the Wi-Fi kit's instructions for pairing and setup.



Figure 4.2: Users interacting with their smartphones, suggesting remote control capabilities. This image implies the convenience of controlling the air conditioning system from a mobile device, a feature available with the optional Wi-Fi kit.

5. MAINTENANCE

Regular maintenance ensures optimal performance, energy efficiency, and extends the lifespan of your unit. Always disconnect power before performing any maintenance.

5.1 Air Filter Cleaning

- **Frequency:** Clean air filters every two weeks or more frequently depending on usage and air quality.
- **Procedure:**

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.

5.2 Outdoor Unit Maintenance

- **Frequency:** Inspect and clean the outdoor unit coils and fins annually, or more often if located in a dusty environment.
- **Procedure:**
 1. Ensure the outdoor unit is powered off.
 2. Remove any debris (leaves, dirt, etc.) from around the unit.
 3. Gently clean the coil fins with a soft brush or water hose. Avoid bending the fins.
 4. Ensure the drainage holes at the base of the unit are clear.

5.3 Professional Servicing

It is recommended to have a qualified HVAC technician perform a comprehensive service check on your system annually. This includes checking refrigerant levels, electrical connections, and overall system performance.

6. TROUBLESHOOTING

Before contacting customer support, please refer to the following common issues and their potential solutions.

Problem	Possible Cause	Solution
Unit does not turn on.	No power supply; circuit breaker tripped; remote control batteries dead.	Check power connection; reset circuit breaker; replace remote control batteries.
Insufficient cooling/heating.	Dirty air filters; blocked outdoor unit; low refrigerant; wrong mode selected.	Clean air filters; clear obstructions from outdoor unit; contact technician for refrigerant check; select correct operating mode.
Water leakage from indoor unit.	Clogged drain pipe; improper installation.	Clear drain pipe; contact technician for inspection.
Unusual noise.	Loose parts; foreign objects in fan; compressor issue.	Check for loose parts; remove foreign objects; contact technician if noise persists.

If the problem persists after attempting these solutions, please contact a qualified HVAC technician or Gree customer support.

7. SPECIFICATIONS

Key technical specifications for the Gree 18,000 BTU Multi21+ Dual-Zone Mini Split Air Conditioner Heat Pump.

Feature	Detail
Model Number	MULTI18CLIV200
Capacity	18,000 BTU (1.5 Tons)
Zones	Dual-Zone (9K, 9K)
SEER (Seasonal Energy Efficiency Ratio)	22.00

Feature	Detail
EER (Energy Efficiency Ratio)	12.50
Voltage	208/230 Volts
Refrigerant Type	R410A
Noise Level (Outdoor Unit)	56 dB
Estimated Room Size Coverage	600 - 1,000 sq ft
Special Features	Air Purification Filter, G10 Inverter Technology, Optional Wi-Fi Control
Material	Steel
Color	White
Item Weight	40 pounds
Product Dimensions	10 x 29 x 11 inches (Indoor Unit, typical)

8. WARRANTY & SUPPORT

Gree products are manufactured to high standards and come with a manufacturer's warranty. Specific warranty terms and conditions may vary. Please refer to the warranty card included with your product or visit the official Gree website for detailed information.

8.1 Customer Support

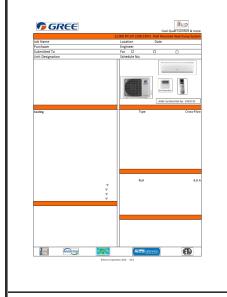
For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Gree customer support or your authorized Gree dealer. Ensure you have your model number (MULTI18CLIV200) and purchase date available when contacting support.

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

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Related Documents - MULTI18CLIV200

	<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>
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	<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 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 LIVS12HP230V1A 12,000 BTU/H Heat Pump System Technical Specifications</p> <p>Detailed technical specifications, performance ratings, and dimensional data for the GREE LIVS12HP230V1A 12,000 BTU/H 208/230V Wall Mounted Heat Pump System, including cooling and heating performance, electrical data, and spacing requirements.</p>
	<p>GREE FLEXX ULTRA R32 A-Coil Unitary Heat Pump System Specifications</p> <p>Submittal data and technical specifications for the GREE FLEXX ULTRA R32 60000 BTU/H A-Coil Unitary Heat Pump Split System (FXA60C32AH/FXU60HP230V1R32AO), detailing features, performance, dimensions, and installation clearances.</p>
	<p>Soleus Air SG-PAC-12E1 & SG-PAC-12E1HP Portable Air Conditioner Operating Instructions</p> <p>This manual provides essential operating instructions and maintenance guidelines for the Soleus Air SG-PAC-12E1 and SG-PAC-12E1HP Portable Air Conditioners. Learn about product features, installation, operation, troubleshooting, and maintenance for optimal performance.</p>