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> WANAI 9000 BTU Mini Split Air Conditioner & Heater User Manual

WANAI NB-split-ACT2

WANAI 9000 BTU Mini Split Air Conditioner & Heater

Model: NB-split-ACT2

INTRODUCTION

This user manual provides detailed instructions for the safe and efficient operation, installation, and maintenance of your WANAI 9000 BTU Mini Split Air Conditioner and Heater. Please read this manual thoroughly before using the appliance and retain it for future reference.

Important Safety Information

- Always ensure the unit is properly grounded.
- Do not attempt to repair or modify the unit yourself. Contact qualified service personnel.
- Keep children and pets away from the unit during operation.
- Ensure proper ventilation around the outdoor unit.
- Turn off the power supply before any cleaning or maintenance.

PRODUCT OVERVIEW



Figure 1: The WANAI 9000 BTU Mini Split Air Conditioner and Heater system. This image displays the indoor unit (top), the outdoor condenser unit (bottom left), and the remote control (bottom right). The indoor unit is a sleek white rectangular component designed for wall mounting, featuring a horizontal air outlet. The outdoor unit is a larger, white rectangular box with a protective grille covering its fan and heat exchange coils. The remote control is a compact, white handheld device with a display and various buttons for controlling the unit's functions.

Included Components

- Indoor Unit
- Outdoor Unit (Condenser)
- Remote Control
- Window Kit (if applicable to your specific installation)

- Complete Installation Kit (includes necessary piping, wiring, and mounting hardware)

SETUP & INSTALLATION

The WANAI Mini Split Air Conditioner and Heater is designed as a split system, requiring both an indoor and an outdoor unit. While a complete installation kit is included, professional installation by a certified HVAC technician is highly recommended to ensure proper function, safety, and compliance with local regulations. Incorrect installation can lead to reduced performance, damage to the unit, or safety hazards.

General Installation Steps (Overview)

1. **Site Selection:** Choose appropriate locations for both the indoor and outdoor units, considering air circulation, drainage, and structural support.
2. **Mounting:** Securely mount the indoor unit on an interior wall and the outdoor unit on a stable, level surface or wall bracket.
3. **Refrigerant Line Connection:** Connect the refrigerant lines between the indoor and outdoor units. This step requires specialized tools and expertise to ensure proper vacuuming and charging.
4. **Electrical Wiring:** Connect the electrical power and communication wiring according to the wiring diagram provided in the detailed installation guide (separate document, typically).
5. **Drainage:** Install the condensate drain line from the indoor unit to ensure proper water removal.
6. **Leak Check & Test Run:** After all connections are made, perform a leak check and a test run to verify proper operation.

For detailed, step-by-step installation instructions, please refer to the dedicated installation manual provided with your unit.

OPERATING INSTRUCTIONS

Your WANAI Mini Split system offers various modes and settings to ensure optimal comfort. All functions are controlled via the included remote control.

Remote Control Functions



Figure 2: A close-up view of the remote control for the WANAI Mini Split system. The remote features a small LCD screen at the top and an array of buttons below it. Visible buttons include "POWER", "MODE", "COOL", "HEAT", "TEMP+", "TEMP-", "F-SPEED", "SWING", "TIMER", "LIGHT", "ECO", "TURBO", "SLEEP", and "QUIET". These buttons allow users to control various aspects of the air conditioner's operation.

- **POWER:** Turns the unit ON or OFF.
- **MODE:** Cycles through operating modes:
 - **Cooling:** For cooling the room. Achieves turbo-cooling in 30 seconds.
 - **Heating:** For heating the room. Achieves turbo-heating in 60 seconds.

- **Dry:** Dehumidifies the air.
- **Fan:** Circulates air without heating or cooling.
- **TEMP+ / TEMP-:** Adjusts the desired temperature setting.
- **F-SPEED (Fan Speed):** Selects fan speed: Turbo, High, Medium, Low, or Auto.
- **SWING:** Controls the vertical louver swing for air distribution.
- **TIMER:** Sets a timer for automatic ON/OFF operation.
- **LIGHT:** Controls the display light on the indoor unit.
- **ECO:** Activates energy-saving mode.
- **TURBO:** Engages maximum cooling or heating power for rapid temperature change.
- **SLEEP:** Adjusts temperature and fan speed for comfortable sleep.
- **QUIET:** Reduces fan noise for quieter operation.

To operate, point the remote control towards the indoor unit and press the desired function button. The display on the remote will show the current settings.

MAINTENANCE

Regular maintenance ensures the longevity and efficient performance of your WANAI Mini Split system. Always disconnect power to the unit before performing any maintenance.

Key Maintenance Functions

- **Self-Cleaning Function:** This unit features a self-cleaning function to help prevent mold and bacteria buildup on the indoor coil. Refer to your remote control or detailed manual for instructions on activating this mode.
- **Automatic Defrost Function:** The outdoor unit is equipped with an automatic defrost function, ensuring smooth performance even in low temperatures (as low as -4°F). This function activates automatically when needed.
- **Air Filter Cleaning:** The air filters in the indoor unit should be cleaned regularly (e.g., every 2-4 weeks, depending on usage). These filters are washable.
 1. Open the front panel of the indoor unit.
 2. Remove the air filters.
 3. Wash the filters with lukewarm water and a mild detergent.
 4. Rinse thoroughly and allow them to air dry completely before reinserting.
- **Outdoor Unit Cleaning:** Periodically inspect and clean the outdoor unit's coils and fan blades to remove dirt, leaves, and debris. Ensure the area around the outdoor unit is clear of obstructions.
- **Professional Servicing:** It is recommended to have a qualified HVAC technician perform professional maintenance and inspection at least once a year.

TROUBLESHOOTING

Before contacting service, please check the following common issues and solutions.

Problem	Possible Cause	Solution
Unit does not turn on.	No power supply; remote control batteries dead; circuit breaker tripped.	Check power connection; 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; remove obstructions; if noise persists and is abnormal, contact service.
Water leakage from indoor unit.	Clogged drain pipe; improper installation.	Clear drain pipe; if issue persists, contact professional installer.

If the problem persists after attempting these solutions, please contact qualified service personnel. Do not attempt to repair the unit yourself.

SPECIFICATIONS

Feature	Detail
Brand	WANAI
Model Number	NB-split-ACT2
Product Dimensions	7.48 x 28.35 x 11.42 inches (Indoor Unit)
Capacity	0.75 Tons (9000 BTU)
Cooling Power	9000 British Thermal Units
Heating Power	12000 British Thermal Units (Turbo Heating)
Installation Type	Split System
Refrigerant	R-32
Special Features	Easy to Install, Washable Filters, Self-Cleaning, Automatic Defrost
Coverage Area	Up to 450 sq ft

WARRANTY & SUPPORT

For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official WANAI website. Warranty coverage typically includes defects in materials and workmanship for a specified period from the date of purchase.

Customer Support

If you encounter any issues not covered in the troubleshooting section or require technical assistance, please contact WANAI customer support.

- **Online Support:** Visit the official WANAI website for FAQs, support resources, and contact forms.
- **Contact Information:** Refer to your product packaging or the official website for phone numbers or email addresses for direct support.

When contacting support, please have your model number (NB-split-ACT2) and purchase date readily available.

