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› WANAİ 12000 BTU Mini Split Air Conditioner & Heater User Manual Model NB-split-ACT

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WANAİ 12000 BTU Mini Split Air Conditioner & Heater User Manual

Model: NB-split-ACT | Brand: WANAİ

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your WANAİ 12000 BTU Mini Split Air Conditioner and Heater. Please read this manual thoroughly before using the appliance and retain it for future reference. Proper understanding of these instructions will ensure optimal performance and longevity of your unit.

2. SAFETY INFORMATION

Always adhere to basic safety precautions when operating electrical appliances to reduce the risk of fire, electric shock, or injury. This appliance contains refrigerant and requires specialized handling. Installation and servicing should only be performed by qualified personnel.

- Ensure the power supply matches the unit's specifications.
- Do not operate the unit with wet hands.
- Keep children and pets away from the outdoor unit.
- Do not block air inlets or outlets.
- Turn off the power supply before cleaning or maintenance.
- If unusual sounds, smells, or smoke occur, immediately turn off the unit and disconnect power.

3. PACKAGE CONTENTS

Verify that all components are present upon unpacking:

- Indoor Unit
- Outdoor Unit
- Remote Control

- Installation Kit (includes refrigerant lines, communication cable, drain hose, etc.)
- User Manual

4. SPECIFICATIONS



Image 1: The WANAI 12000 BTU Mini Split Air Conditioner and Heater, showing both the indoor wall-mounted unit (top) and the outdoor condenser unit (bottom). The indoor unit is a sleek white rectangular casing with a subtle grey trim, designed for quiet operation. The outdoor unit features a protective grille over its fan and heat exchanger, with refrigerant line connections visible on the right side.

Feature	Detail
Brand	WANAI
Model Number	NB-split-ACT
Capacity	12000 BTU (1 Ton)
Cooling Power	12000 British Thermal Units
Heating Power	12000 British Thermal Units
Product Dimensions	7.48"D x 31.5"W x 11.42"H
Refrigerant	R-32
Installation Type	Split System
Special Features	Easy to Install, Washable, Self-Cleaning, Automatic Defrost

5. SETUP AND INSTALLATION

The WANAI Mini Split Air Conditioner and Heater is designed for a complete installation. Due to the complexity involving refrigerant lines, electrical connections, and proper sealing, professional installation by a certified HVAC technician is strongly recommended to ensure safety, efficiency, and compliance with local regulations.

General Installation Steps:

- Indoor Unit Placement:** Select a location on an interior wall that allows for proper airflow and drainage.
- Outdoor Unit Placement:** Choose a stable, level surface outdoors, ensuring adequate clearance for airflow and maintenance.
- Drilling Wall Hole:** Create a hole through the wall to connect the indoor and outdoor units.
- Refrigerant Line Connection:** Connect the pre-charged refrigerant lines between the indoor and outdoor units. This step requires specialized tools and expertise to prevent leaks and ensure proper refrigerant charge.
- Electrical Wiring:** Connect the power supply and communication cables according to the wiring diagram provided in the full installation guide.
- Drainage System:** Install the drain hose to ensure proper condensate removal from the indoor unit.
- Vacuuming and Leak Test:** Evacuate the refrigerant lines to remove air and moisture, then perform a leak test.
- Test Run:** After installation, perform a test run to verify all functions are operating correctly.

Refer to the detailed installation manual included with your product for specific instructions and diagrams.

6. OPERATING INSTRUCTIONS

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

Operating Modes:

- Cooling Mode:** Provides rapid cooling, achieving desired temperatures quickly.
- Heating Mode:** Delivers efficient heating, even in low ambient temperatures (down to -4°F).

- **Dry Mode (Dehumidification):** Reduces humidity in the air without significant temperature change.
- **Fan Mode:** Circulates air without heating or cooling.
- **Auto Mode:** Automatically selects the appropriate mode (cooling, heating, or fan) based on the room temperature and desired setting.

Fan Speed Settings:

Adjust the fan speed to your preference:

- **Turbo:** Maximum airflow for rapid temperature change.
- **High:** Strong airflow.
- **Medium:** Moderate airflow.
- **Low:** Quiet operation with gentle airflow.
- **Auto:** The unit automatically adjusts fan speed based on the operating mode and temperature difference.

Special Functions:

- **Self-Cleaning:** Activates an internal cleaning cycle to remove dust and moisture from the indoor coil, preventing mold and odors.
- **Automatic Defrost:** The outdoor unit automatically defrosts its coil in cold conditions to maintain heating efficiency.

7. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your mini split system. Always disconnect power to the unit before performing any maintenance.

Filter Cleaning:

- The indoor unit's air filters should be cleaned every two weeks or more frequently depending on usage and air quality.
- Open the front panel of the indoor unit and carefully remove the filters.
- Wash filters with lukewarm water and a mild detergent, or vacuum them.
- Allow filters to dry completely before reinstalling.

Self-Cleaning Function:

Utilize the self-cleaning function regularly to maintain the cleanliness of the indoor coil. Refer to your remote control instructions for activating this feature.

Outdoor Unit Maintenance:

- Keep the area around the outdoor unit clear of debris, leaves, and snow to ensure proper airflow.
- Periodically inspect the outdoor coil for dirt buildup. If heavily soiled, professional cleaning may be required.

Professional Servicing:

It is recommended to have your system professionally inspected and serviced annually by a qualified HVAC technician.

8. TROUBLESHOOTING

Before contacting customer support, review the following common issues and solutions:

Problem	Possible Cause	Solution
Unit does not turn on	No power supply; Remote control batteries low; Circuit breaker tripped.	Check power connection; Replace remote batteries; Reset circuit breaker.
Insufficient cooling/heating	Dirty air filters; Blocked outdoor unit; Incorrect mode setting; Room too large.	Clean air filters; Clear obstructions from outdoor unit; Select correct mode; Ensure unit capacity matches room size.
Unusual noise	Loose parts; Obstruction in fan; Unit not level.	Inspect for loose components; Remove obstructions; Ensure unit is level. If noise persists, contact service.
Water leakage from indoor unit	Clogged drain hose; Improper installation.	Check and clear drain hose; If issue persists, professional inspection is needed.
Remote control not working	Dead batteries; Obstruction between remote and unit.	Replace batteries; Ensure clear line of sight to indoor unit's receiver.

For issues not listed or if solutions do not resolve the problem, please contact WANAI customer support.

9. WARRANTY AND SUPPORT

WANAI products are manufactured to high-quality standards. For warranty information, please refer to the warranty card included with your product or visit the official WANAI website. If you require technical assistance, parts, or service, please contact WANAI customer support with your model number (NB-split-ACT) and purchase details readily available.

Contact Information: Refer to your product packaging or the official WANAI website for the most current customer support contact details.