

Aux ASW-H12A3INV/SS 110V VRDE

Aux ASW-H12A3INV/SS 110V VRDE Inverter Mini-Split Air Conditioner User Manual

Model: ASW-H12A3INV/SS 110V VRDE

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1. INTRODUCTION

Thank you for choosing the Aux ASW-H12A3INV/SS 110V VRDE Inverter Mini-Split Air Conditioner. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your new air conditioning system. Please read this manual thoroughly before installation and use, and retain it for future reference.

This inverter mini-split system offers 12,000 BTUs of cooling and heating capacity, featuring 16.0 SEER energy efficiency and integrated Wi-Fi connectivity for convenient control.

2. SAFETY INFORMATION

WARNING: Failure to follow these instructions could result in property damage, serious injury, or death.

- Installation must be performed by qualified personnel in accordance with all local and national electrical and safety codes.
- Ensure the power supply matches the unit's specifications (110V).
- Do not attempt to repair or modify the unit yourself. Contact qualified service personnel.
- Keep children and pets away from the outdoor unit during operation.
- Do not block the air inlets or outlets of either unit.
- The unit uses R-410A refrigerant. Handle with care and ensure proper ventilation during service.
- Always disconnect power before cleaning or performing maintenance.

3. PRODUCT OVERVIEW

3.1 Key Features

- **Capacity:** 12,000 BTUs (1 Ton) for both cooling and heating.
- **Energy Efficiency:** 16.0 SEER rating.
- **Inverter Technology:** Provides precise temperature control and energy savings.
- **Wi-Fi Connectivity:** Control via the AC Freedom mobile application.
- **Recommended Area:** Suitable for spaces between 12 to 16 square meters.
- **Components:** Includes both indoor (evaporator) and outdoor (condenser) units.

3.2 Components

The Aux ASW-H12A3INV/SS system consists of two main units and a remote control:

1. **Indoor Unit (Evaporator):** Mounted inside the room, responsible for air circulation and temperature exchange.
2. **Outdoor Unit (Condenser):** Mounted outside, responsible for heat dissipation.
3. **Remote Control:** For convenient operation of the unit.



Figure 3.1: Aux Mini-Split Indoor Unit. This image shows the sleek, white indoor unit (evaporator) designed for wall mounting, featuring a clean aesthetic suitable for various room decors.



Figure 3.2: Aux Mini-Split Outdoor Unit. This image displays the robust outdoor unit (condenser) with its protective grille, housing the compressor and heat exchange coils. It is designed for outdoor installation.





Figure 3.3: Aux Mini-Split Remote Control. A white remote control with a digital display and various green buttons for functions like Mode, Speed, Swing, Timer, Sleep, and special features like iFavor, iFeel, iClean, Health, Anti-Fungus, and Display.

4. SETUP AND INSTALLATION

4.1 Professional Installation

The installation of this mini-split air conditioner requires specialized tools and knowledge. It is strongly recommended that installation be performed by a certified HVAC technician to ensure proper function, safety, and to maintain warranty validity. Incorrect installation can lead to refrigerant leaks, electrical shock, fire, or water leakage.

4.2 Electrical Connection

- Ensure the power supply is 110 Volts, as specified for this model.
- A dedicated circuit breaker is recommended for the unit.
- All wiring must comply with local and national electrical codes.

4.3 Wi-Fi App Setup (AC Freedom)

Your Aux mini-split system features Wi-Fi connectivity, allowing control via the AC Freedom application.

1. Download the **AC Freedom** app from your smartphone's app store (iOS or Android).
2. Register for an account and log in.
3. Follow the in-app instructions to add your device. This typically involves putting the indoor unit into pairing mode (refer to the unit's display or specific button combination) and connecting your phone to the unit's temporary Wi-Fi network before connecting it to your home Wi-Fi.
4. Once connected, you can control your air conditioner remotely.

5. OPERATING INSTRUCTIONS

5.1 Remote Control Functions

Familiarize yourself with the remote control buttons as shown in Figure 3.3.

- **Power Button:** Turns the unit ON or OFF.
- **Mode Button:** Cycles through operating modes: Auto, Cool, Dry, Fan, Heat.
- **Temperature Buttons (Up/Down):** Adjusts the desired temperature.
- **Speed Button:** Adjusts fan speed (Auto, Low, Medium, High).
- **Swing Buttons (Vertical/Horizontal):** Controls the direction of the airflow louvers.
- **Timer Button:** Sets the ON/OFF timer.
- **Sleep Button:** Activates sleep mode for comfortable night operation.
- **iFavor Button:** Saves and recalls preferred settings.
- **iFeel Button:** Activates the temperature sensor in the remote for more accurate room temperature sensing.
- **iClean Button:** Initiates a self-cleaning function for the indoor unit.
- **Health Button:** Activates air purification features (if available).
- **Anti-Fungus Button:** Helps prevent mold growth within the unit.
- **Display Button:** Turns the indoor unit's display ON or OFF.

5.2 Operating Modes

- **Cool Mode:** For cooling the room. Set desired temperature and fan speed.
- **Heat Mode:** For heating the room. Set desired temperature and fan speed.
- **Dry Mode:** Reduces humidity in the room. The fan speed is automatically controlled.

- **Fan Mode:** Circulates air without cooling or heating. Fan speed can be adjusted.
- **Auto Mode:** The unit automatically selects the operating mode (Cool, Heat, Fan) based on the room temperature and your set temperature.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your air conditioner. Always disconnect power before performing any maintenance.

6.1 Indoor Unit Filter Cleaning

Clean the air filters every two weeks or more frequently if the unit is used often or in dusty environments.

1. Open the front panel of the indoor unit.
2. Remove the air filters.
3. Clean the filters with a vacuum cleaner or wash them with lukewarm water and a mild detergent.
4. Rinse thoroughly and allow them to dry completely in a shaded area before reinstalling.
5. Close the front panel.

6.2 Outdoor Unit Cleaning

Periodically check the outdoor unit for debris, leaves, or dirt that may obstruct airflow. Carefully remove any obstructions. Do not spray water directly onto the electrical components.

6.3 Professional Inspection

It is recommended to have a qualified technician inspect your system annually to ensure all components are functioning correctly and to perform any necessary deep cleaning or refrigerant checks.

7. TROUBLESHOOTING

Before contacting service, check the following common issues:

Problem	Possible Cause	Solution
Unit does not turn on	No power supply; Remote control batteries dead; Circuit breaker tripped.	Check power connection; Replace batteries; Reset circuit breaker.
Insufficient cooling/heating	Dirty air filters; Blocked outdoor unit; Doors/windows open; Incorrect mode setting; Room size too large.	Clean filters; Clear obstructions; Close openings; Select correct mode; Ensure unit matches room size.
Unusual noise	Loose parts; Obstruction in fan; Refrigerant flow noise (normal).	Check for loose parts; Remove obstructions; If persistent or loud, contact service.
Water leakage from indoor unit	Clogged drain pipe; Improper installation.	Clear drain pipe; Contact installer for inspection.
Wi-Fi connection issues	Router issues; Incorrect Wi-Fi password; Unit too far from router.	Restart router; Re-enter Wi-Fi password in app; Move router closer or use Wi-Fi extender.

If the problem persists after attempting these solutions, please contact a qualified service technician.

8. SPECIFICATIONS

Feature	Specification
Brand	Aux
Model Name	ASW-H12A3INV/SS 110V VRDE
Cooling Capacity	12,000 British Thermal Units (BTU)
Heating Capacity	1 Ton
SEER (Seasonal Energy Efficiency Ratio)	16.0
Voltage	110 Volts
Refrigerant	R-410A
Power Source	Wired Electric
Form Factor	Minisplit
Special Feature	Wi-Fi App (AC Freedom)
Recommended Area	12 to 16 square meters
Included Components	Evaporator and Condenser
Control Method	Application Control
Compressor Type	Rotary Scroll
Outdoor Unit Required	Yes
Wattage	1440 Watts (1.44E+3)
Item Weight	37 Grams

9. WARRANTY AND SUPPORT

9.1 Limited Warranty

This Aux ASW-H12A3INV/SS 110V VRDE Inverter Mini-Split Air Conditioner comes with a limited warranty. Please refer to the warranty card included with your product for specific terms, conditions, and duration of coverage. The warranty typically covers manufacturing defects and may require professional installation for validity.

9.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact your authorized Aux dealer or the manufacturer's customer service. Ensure you have your model number and purchase information ready when contacting support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question