

Midea MAS12C2FVR

Midea Minisplit Forest Plus Save Inverter Air Conditioner User Manual

Model: MAS12C2FVR

1. INTRODUCTION

Thank you for choosing the Midea Minisplit Forest Plus Save Inverter Air Conditioner. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your new air conditioning unit. Please read it thoroughly before use and keep it for future reference.

2. SAFETY INFORMATION

Always follow basic safety precautions to reduce the risk of fire, electric shock, or injury. This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

- Ensure the unit is properly grounded.
- Do not operate the unit with wet hands.
- Do not insert objects into the air outlet.
- Turn off the power supply before cleaning or maintenance.
- Professional installation is required to prevent electrical hazards and ensure proper functioning.

3. PRODUCT OVERVIEW

The Midea Minisplit Forest Plus Save Inverter Air Conditioner (Model MAS12C2FVR) is a 1-ton, 220V cooling-only unit designed for efficient and comfortable climate control. It features advanced inverter technology and several innovative functions.

Key Features:

- **Enhanced Durability:** Diamond condenser with PrimeGuard coating for corrosion resistance, self-protection, and self-diagnosis to maximize minisplit lifespan.

- **Dual Filtration System:** Anti-dust filter removes 50% more dust and 80% more pollen. A catalytic filter eliminates odors and harmful gases.
- **Voltage Protection:** Built-in self-protection against voltage variations and spikes, eliminating the need for an additional voltage regulator.
- **Rapid Cooling:** Utilizes high-frequency compressor startup technology for instant cooling.
- **Stable Cooling:** Inverter motor ensures stable temperature control for enhanced comfort.
- **Auto Clean:** Active Clean technology removes dust, mold, and grease, preventing mold growth and keeping the interior clean.
- **ECO Mode:** Energy-saving technology that works with the inverter for significant energy consumption reduction over 8 hours.

Product Components:



Front view of the Midea Minisplit indoor unit, showing the air outlet and Midea branding.



Side view of the Midea Minisplit indoor unit, highlighting its sleek profile.



The remote control for the Midea Minisplit, featuring various function buttons and a digital display.

Feature Visuals:



Image illustrating the Midea Smart Diagnosis feature, showing a microchip with the Midea logo. This system automatically tests 97 functions via a mobile app and displays 'EC' for errors, allowing for timely maintenance.



Visual representation of the rapid cooling function, showing cool air flowing from the minisplit into a room, quickly lowering the temperature.



Diagram of the minisplit's compressor, illustrating the Turbo Mode which uses low-temperature refrigerant to

efficiently cool the E-box, improving cooling performance at high ambient temperatures.



Depiction of the Auto Clean feature, showing water droplets and leaves, symbolizing the removal of dust, mold, and grease to maintain a clean interior.



Graphic illustrating the ECO Mode, showing the minisplit connected to a power outlet with a lightbulb representing energy savings, indicating reduced power consumption over 8 hours.



Image detailing the Double Filter system, showing the anti-dust filter for increased dust and pollen filtration, and a catalytic filter for odor and harmful gas removal.

Official Product Videos:

Midea Minisplit Inverter Air Conditioner Overview

This video provides a general overview of the Midea Minisplit Inverter Air Conditioner, showcasing its rapid cooling, stable temperature control, clean air filtration, ECO energy-saving mode, and enhanced durability with Prime Guard technology.

Prime Guard Hyper Graphene Fin Technology

This video highlights the Prime Guard Hyper Graphene Fin technology, emphasizing its superior anti-corrosion properties and high thermal conductivity, ensuring the longevity and efficiency of the outdoor unit.

4. SETUP AND INSTALLATION

Installation of the Midea Minisplit Air Conditioner requires specialized knowledge and tools. It is strongly recommended that you contact a qualified and certified HVAC professional for installation to ensure proper functioning, safety, and to maintain warranty validity. Incorrect installation can lead to electric shock, fire, water leakage, and other hazards.

The product includes an installation kit. Ensure all components are present before beginning installation.

5. OPERATING INSTRUCTIONS

Your Midea Minisplit Air Conditioner can be operated using the provided remote control. Ensure batteries (Zinc-carbon type, included) are correctly inserted.

Remote Control Functions:

- **ON/OFF:** Powers the unit on or off.
- **MODE:** Cycles through operating modes: Cool, Fan, Dry.
- **TEMP ▲ / ▼:** Adjusts the desired temperature.
- **FAN:** Adjusts fan speed.
- **SLEEP:** Activates sleep mode for comfortable night-time operation, gradually adjusting temperature.
- **SWING:** Controls the vertical airflow direction.
- **DIRECT:** Adjusts the horizontal airflow direction.
- **TURBO:** Initiates rapid cooling for quick temperature reduction.
- **SELF CLEAN:** Activates the auto-cleaning function for the indoor unit.
- **LED:** Turns the display light on the indoor unit on or off.
- **FOLLOW ME:** Activates a sensor in the remote control to detect the ambient temperature around the user, optimizing comfort.
- **TIMER ON/OFF:** Sets a timer for the unit to turn on or off automatically.
- **ECO:** Engages energy-saving mode for reduced power consumption.

6. MAINTENANCE

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

Filter Cleaning:

The dual filter system (anti-dust and catalytic filters) should be cleaned regularly, typically every two weeks or as needed, depending on usage and air quality. Refer to the detailed instructions in the full product manual for how to access and clean the filters.

Auto Clean Function:

Utilize the 'SELF CLEAN' function on your remote control to automatically clean the indoor unit's evaporator, preventing mold and odor buildup.

Outdoor Unit Maintenance:

Periodically check the outdoor unit for any obstructions (leaves, debris) and ensure proper airflow. The PrimeGuard coating provides enhanced corrosion resistance, but regular visual inspection is recommended.

7. TROUBLESHOOTING

If you encounter issues with your air conditioner, refer to the following common troubleshooting tips. For complex problems, contact a qualified service technician.

Problem	Possible Cause	Solution
Unit does not turn on	No power, remote control batteries dead, circuit breaker tripped.	Check power supply, replace remote batteries, reset circuit breaker.
Insufficient cooling	Dirty air filters, blocked outdoor unit, wrong mode selected, room too large.	Clean air filters, clear obstructions from outdoor unit, select 'Cool' mode, ensure unit size matches room.
Unusual noise	Loose parts, foreign objects, refrigerant flow noise (normal).	Check for loose parts, remove foreign objects. If persistent or loud, contact service.
Water leakage from indoor unit	Clogged drain pipe, improper installation.	Clear drain pipe. If due to installation, contact professional installer.
Error code 'EC' displayed	System malfunction detected by Smart Diagnosis.	Refer to the mobile app for detailed diagnosis or contact Midea support.

8. SPECIFICATIONS

Specification	Detail
Model Number	MAS12C2FVR
Brand	Midea
Capacity	1 Ton (12000 British Thermal Units)
Voltage	220 Volts
Power Source	Electric with cable
Wattage	3240 watts

Specification	Detail
SEER Rating	18.5
Refrigerant	R-410A
Noise Level	20 Decibels
Special Features	Auto Clean, Inverter Technology, Dual Filter, Voltage Protection
Material	Plastic
Color	White
Product Dimensions	86.36 x 27.94 x 38.1 cm; 30 kg (Indoor Unit: 19D x 80W x 28H cm)
Included Components	Installation Kit, Remote Control (with Zinc-carbon batteries)

9. WARRANTY AND SUPPORT

Midea offers a comprehensive warranty for your Minisplit Air Conditioner:

- **3 Years Total Warranty**
- **10 Years Compressor Warranty**

For warranty claims, technical support, or service inquiries, please refer to the contact information provided with your product packaging or visit the official Midea website. Ensure you register your product to activate your warranty.

Additional protection plans are available for purchase:

- Assurant - 2 Year Home Improvement Extended Warranty (Includes Manufacturer's Warranty)
- Assurant - 3 Year Home Improvement Extended Warranty (Includes Manufacturer's Warranty)
- Assurant - Annual OneProtect Membership

Please note that these protection plans are separate from the manufacturer's warranty and are subject to their own terms and conditions.