

## Fujitsu ASBG24CMBA

# Fujitsu ASBG24CMBA Split Hi-Wall Inverter Air Conditioner - User Manual

Model: ASBG24CMBA (Indoor Unit) / AOBG24CMCA (Outdoor Unit)

## 1. INTRODUCTION

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Thank you for choosing the Fujitsu ASBG24CMBA Split Hi-Wall Inverter Air Conditioner. This appliance is designed to provide efficient and comfortable cooling for your space. This manual contains important information regarding the safe operation, installation, maintenance, and troubleshooting of your air conditioning unit. Please read it thoroughly before using the product and keep it for future reference.

The Fujitsu Airstage Premium Inverter series, including this model, features advanced technology for comfort, efficiency, and sustainability. Key features include:

- **High Energy Efficiency:** Achieves a Seasonal Cooling Performance Index (IDRS) of 5.5 or higher, classifying it as Class A according to INMETRO standards.
- **Environmentally Friendly Refrigerant:** Utilizes R-32 refrigerant, which has a low Global Warming Potential (GWP) and zero impact on the ozone layer.
- **User-Friendly Design:** Features an illuminated display on the indoor unit and a backlit remote control for easy operation in low light conditions.
- **Silent Mode:** Operates at a reduced noise level by lowering compressor frequency and fan speed for quiet comfort.
- **Presence Sensor:** Detects human movement in the room and can reduce energy consumption when no one is present.
- **Enhanced Corrosion Protection:** Equipped with Blue Fin technology, a special protective coating on heat exchangers, providing resistance against corrosion from humidity, salinity, and pollution.
- **Procel Gold Seal:** This model has achieved the Procel Gold Seal for energy efficiency, exceeding requirements set for 2025.

## 2. IMPORTANT SAFETY INSTRUCTIONS

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To prevent injury to the user or other people and property damage, the following instructions must be followed. Incorrect operation due to ignoring instructions may cause harm or damage.

- **Professional Installation:** Installation, relocation, and maintenance of this air conditioner must be performed by a

qualified service technician. Improper installation can lead to electric shock, fire, or water leakage.

- **Power Supply:** Ensure the power supply matches the unit's specifications (220 Volts). Do not use extension cords or multi-outlet adapters. Always use a dedicated power circuit.
- **Electrical Safety:** Do not operate the unit with wet hands. Do not insert fingers or objects into the air inlet/outlet. Disconnect power before cleaning or performing any maintenance.
- **Refrigerant (R-32):** This unit uses R-32 refrigerant, which is mildly flammable. Do not attempt to repair or modify the unit yourself. Any work involving the refrigerant circuit must be done by certified personnel.
- **Cleaning:** Use a soft, dry cloth for cleaning. Do not use water directly on the unit or harsh chemical cleaners.
- **Children and Pets:** Keep children and pets away from the unit, especially during operation. Do not allow children to play with the air conditioner or its remote control.
- **Ventilation:** Ensure proper ventilation around the outdoor unit to prevent overheating.

### 3. PRODUCT COMPONENTS

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Your Fujitsu Split Hi-Wall Inverter Air Conditioner consists of two main units and a remote control:

- **Indoor Unit (Evaporator - Model ASBG24CMBA):** Mounted inside the room, it cools and dehumidifies the air.
- **Outdoor Unit (Condenser - Model AOBG24CMCA):** Mounted outside, it dissipates heat from the room.
- **Remote Control:** Used to operate the air conditioner from a distance.



**Figure 3.1:** Fujitsu ASBG24CMBA Indoor Unit. This image shows the white, rectangular indoor unit of the Fujitsu Split Hi-Wall Inverter Air Conditioner, designed for wall mounting.



**Figure 3.2:** Fujitsu AOBG24CMCA Outdoor Unit. This image displays the compact, white outdoor unit of the Fujitsu Split Hi-Wall Inverter Air Conditioner, featuring a protective grille over the fan.

## 4. SETUP AND INSTALLATION OVERVIEW

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The installation of your Fujitsu Split Hi-Wall Inverter Air Conditioner requires specialized knowledge and tools. For safety and optimal performance, **installation must be performed by a qualified and certified HVAC technician.**

- **Location Selection:** The indoor unit should be placed in a location that allows for even air distribution and easy access for maintenance. The outdoor unit should be in a well-ventilated area, away from direct sunlight or obstructions.
- **Electrical Connection:** Ensure the electrical supply is 220 Volts and has a dedicated circuit with appropriate circuit breakers.
- **Refrigerant Piping:** The indoor and outdoor units are connected by refrigerant pipes and electrical wiring. These connections must be sealed properly to prevent leaks.
- **Drainage:** A drain hose must be installed to remove condensed water from the indoor unit.

Refer to the detailed installation manual provided with the product for specific instructions, diagrams, and safety precautions for technicians.

## 5. OPERATING INSTRUCTIONS

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Your air conditioner is operated primarily using the wireless remote control. Ensure the remote control has fresh batteries and is pointed towards the indoor unit when sending commands.

## 5.1 Basic Operation Modes

- **COOL Mode:** For cooling the room. Set your desired temperature using the temperature adjustment buttons.
- **FAN Mode:** Circulates air without cooling or heating. Use to improve ventilation.
- **DRY Mode:** Reduces humidity in the room. The fan speed is automatically controlled.
- **AUTO Mode:** The unit automatically selects the operating mode (Cool, Fan, Dry) based on the room temperature and your set temperature.

## 5.2 Temperature and Fan Speed Adjustment

- Use the **TEMP ▲ / ▼** buttons on the remote control to adjust the desired temperature.
- Use the **FAN SPEED** button to cycle through fan speed options (Auto, Low, Medium, High).

## 5.3 Special Features

- **Silent Mode:** Activate this mode for ultra-quiet operation. The unit will adjust compressor and fan speeds to minimize noise.
- **Presence Sensor:** This sensor detects if people are in the room. If no presence is detected for a certain period, the unit can automatically adjust settings to save energy.
- **Timer Functions:** Set ON/OFF timers to program the unit to start or stop at specific times. Consult your remote control manual for detailed timer setup.

## 6. MAINTENANCE

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

### 6.1 Air Filter Cleaning

Clean the air filters every two weeks, or more frequently depending on usage and air quality.

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 securely.

### 6.2 Indoor Unit Exterior Cleaning

Wipe the indoor unit's exterior with a soft, dry cloth. For stubborn dirt, use a cloth dampened with water and a neutral detergent, then wipe dry.

### 6.3 Outdoor Unit Maintenance

The outdoor unit should be inspected and cleaned periodically by a qualified technician to ensure proper airflow and heat exchange. Do not attempt to clean the outdoor unit's internal components yourself.

## 7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Unit does not operate.	No power, circuit breaker tripped, remote control batteries dead, timer set.	Check power supply, reset circuit breaker, replace remote batteries, cancel timer.
Insufficient cooling.	Dirty air filters, blocked outdoor unit, doors/windows open, room too large, temperature setting too high.	Clean air filters, clear obstructions from outdoor unit, close doors/windows, adjust temperature.
Unusual noise.	Loose parts, foreign objects, normal operating sounds (e.g., refrigerant flow).	Check for loose parts. If noise is persistent or loud, contact service.
Water dripping from indoor unit.	Clogged drain hose, improper installation.	Check and clear drain hose. If problem persists, contact a qualified technician.

If the problem persists after checking these points, or if an error code appears on the display, please contact an authorized Fujitsu service center.

## 8. SPECIFICATIONS

Technical specifications for the Fujitsu ASBG24CMBA / AOBG24CMCA Air Conditioner:

Feature	Detail
Brand	Fujitsu
Indoor Unit Model Number	ASBG24CMBA
Outdoor Unit Model Number	AOBG24CMCA
Capacity	24000 BTU/h
Cooling Energy	24000 BTUs
Special Features	Inverter, Silent Mode, Presence Sensor, Blue Fin
Product Dimensions (Indoor Unit P x L x A)	33P x 109L x 42A centimeters
Refrigeration Power	24000 BTUs
Color	White
Noise Level	32 Decibels
Inverter Type	Yes, Inverter
Installation Type	Split
Compressor Type	Rotary Scroll
External Unit Required	Yes
Voltage	220 Volts
Power Source	Electric Powered
Power Consumption	1960 watts

Feature	Detail
Seasonal Cooling Performance Index (IDRS)	7.6
Efficiency Rating	A
Annual Energy Consumption	764 Kilowatt Hours Per Year
Item Weight	14 Kilograms
Control Method	Remote Control
Form Factor	Minisplit
Manufacturer	Fujitsu
Country of Origin	Brazil

## 9. WARRANTY INFORMATION

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This Fujitsu air conditioner comes with a standard manufacturer's warranty. The warranty description states a period of **24 Months** from the date of purchase.

For detailed terms and conditions of your warranty, please refer to the warranty card included with your product or contact Fujitsu customer service. Keep your proof of purchase for warranty claims.

Extended warranty options may be available for purchase:

- Extended Warranty against failures and defects for 12 months (total 144 months coverage).
- Extended Warranty against failures and defects for 24 months (total 288 months coverage).

These extended warranty plans are separate purchases and offer additional coverage beyond the standard manufacturer's warranty.

## 10. CUSTOMER SUPPORT

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If you require assistance, have questions, or need to schedule service for your Fujitsu air conditioner, please contact Fujitsu customer support or an authorized service center in your region.

When contacting support, please have the following information ready:

- Product Model Number (ASBG24CMBA / AOBG24CMCA)
- Serial Number (found on the unit's rating label)
- Date of Purchase
- A clear description of the issue

For the most up-to-date contact information, please visit the official Fujitsu website for your country or region.