

Albott SAC011

Albott 24000 BTU Mini Split Air Conditioner Heat Pump User Manual

Model: SAC011 | Brand: Albott

1. INTRODUCTION

Thank you for choosing the Albott 24000 BTU Mini Split Air Conditioner Heat Pump. This system is designed to provide all-in-one comfort control for your space, offering cooling, heating, dehumidifying, and fan modes. With its energy-efficient design and quiet operation, it ensures a comfortable environment year-round.

Key Features:

- **All-in-One Comfort Control:** Experience cooling, heating, dehumidifying, and fan modes. Adjust temperatures (60°F–90°F) easily, plus a 24-hour timer and sleep mode.
- **Energy-Efficient:** Due to the heat pump design and SEER2 19 rating, this system delivers powerful performance while minimizing energy usage and cutting electricity costs, all without sacrificing comfort.
- **Stable & Reliable Performance:** Built for extreme conditions (-4°F to 140°F), this ductless mini split AC/heating system ensures year-round comfort. With 24,000BTU, it efficiently cools or heats up to 1500 sq. ft.
- **Quiet & User-Friendly Operation:** The DIY mini split runs quietly, creating a serene space at home or work. Simple, intuitive controls make daily use effortless and stress-free.
- **Self-Cleaning Technology:** Helps remove dust buildup with a 135°F self-cleaning function. The air conditioner reminds you every 500 hours to activate the self-cleaning, which runs for 30 minutes.
- **Easy Maintenance & Long Lifespan:** Features washable filters for easy cleaning.



ALL-IN-ONE AIR CONDITIONER FOR COMFORTABLE LIVING

Sleek, modern design blends well with any space



Inverter Technology



Turbo Function



Silent Operation



24 Hours Timer



Auto Swing Louvers



LED Display



Self-Cleaning Function



Cold Catalyst



Comfortable SLEEP MODE



Multiple Fan Speeds

Image: The Albott Mini Split Air Conditioner showcasing its various features including inverter technology, silent operation, and self-cleaning capabilities.

2. SAFETY INFORMATION

Please read all safety warnings and instructions carefully before installing or operating your air conditioner. Failure to follow these instructions may result in electric shock, fire, property damage, or personal injury.

General Safety Precautions:

- Installation must be performed by qualified personnel in accordance with all national wiring regulations.
- Ensure the power supply matches the voltage specified on the unit's nameplate.
- Do not install the unit near heat sources, steam sources, or in areas with flammable/explosive gases or corrosive gases.
- Maintain clear space around the indoor and outdoor units to ensure proper airflow and prevent obstructions.
- Always turn off the power supply before performing any maintenance or cleaning.

- If installing the outdoor unit at a height, always wear appropriate safety gear, including a safety belt and helmet.

3. INCLUDED COMPONENTS

Your Albott Mini Split Air Conditioner Heat Pump package includes the following components:

- Indoor unit
- Instruction manual
- Batteries
- Remote control
- Hanging plate on the back
- Drain pipe for inner unit
- Installation dimension drawing
- 14.76 Ft communication wires
- Outdoor unit
- Wall sleeve
- Putty
- Copper connection pipe - air pipe
- Copper connection pipe - liquid pipe
- 8.2 Ft power cord
- Tape



Image: A visual representation of all items included in the product package, from the main units to the smallest accessories.

4. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and longevity of your Albott Mini Split Air Conditioner. Please follow these steps carefully. For a visual guide, refer to the installation video provided below.

4.1. Preparation

- **Necessary Tools and Materials:** Hole saw, multimeter, pipe cutter, hex wrenches, refrigerant, torque wrench, adjustable wrench, tape measure, safety belt, flaring tool, bracket, level, Phillips screwdriver, electroprobe, vacuum pump, pliers, copper tube.
- **Check the Installation Environment:** Ensure there is no heat source or steam source, no obstructions around the inlet and outlet of indoor and outdoor units, and no flammable, explosive, or corrosive gases.

4.2. Indoor Unit Installation

- **Select Installation Location:** The wall for the indoor unit should be hard, flat, and firm to avoid vibration and noise. Ensure adequate clearance: >15cm to ceiling, >20cm to obstacles on sides, and 230-260cm from the floor.
- **Fix Mounting Plate:** Put the plate on the wall and use a level to make it horizontal. Select the position of screws on the plate, no less than 5 screws. Punch holes in the wall and use expansion screw kits to firmly fix the plate to the wall. Do not use nails.
- **Drill Wall Hole:** After determining where the pipe will go through the wall, drill holes. When drilling, avoid wires, plumbing, gas, and other sensitive components. The wall hole should be inclined outward by 5-10°, with a diameter of 60-80mm. Use an anti-dust bag to avoid dust.
- **Installation of Connection Cable:** Pass the power cable out from the back of the indoor unit and fix it on the terminal board. Fix the cable with a clamp.
- **Knock-out Panel:** According to piping direction, remove the knock-out panel with a knife, and remove burrs to prevent the drain pipe from being broken.
- **Connection of Refrigerant Piping:** Use both hands to turn the pipe in the desired direction. It is forbidden to operate with one hand, which will make the tube deform and rupture. Aim at the pipe center, tighten the taper nut with fingers, then tighten the taper nut with 2 wrenches. It's better to use a torque wrench to tighten the taper nut; refer to the provided torque table for required values based on pipe size.
- **Install the Drain Hose:** Connect the drain hose with the water outlet pipe, and fix it firmly with adhesive tape. The length should be more than 5cm to prevent water leakage.
- **Wrap the Piping:** Wrap refrigerant piping, wires, and drain pipe with wrapping tape.
- **Mount Indoor Unit:** Put the refrigerant piping out of the wall hole. Put the indoor unit on the mounting plate. Push the lower part of the indoor unit until a 'click' sound is heard to make sure the indoor unit is firmly fixed to the wall.
- **Pipe Protecting Ring and Putty:** To protect piping and wires, a pipe protecting ring shall be installed sealed with putty.

4.3. Outdoor Unit Installation

- **Select Installation Location:** Outdoor unit must be installed in a firm and flat place to prevent vibration and noise. Ensure adequate clearance: >20cm to top obstruction, >30cm to side obstructions, >10cm air in side, >200cm air out side.
- **Install Outdoor Unit Bracket:** If installing the air conditioner in a higher place, the operator should wear a safety belt and helmet. Use a level to ensure the bracket is horizontal and vertical. Use at least 6 expansion bolts to make sure brackets are fixed firmly on the wall.
- **Fix Outdoor Unit:** Use 4 screws to fix the feet of the outdoor unit.
- **Connect Refrigerant Piping:** Remove the nut from stop valves. Aim at the pipe center of the stop valve, tighten the taper nut with fingers, then tighten the taper nut with 2 wrenches. It's better to use a torque wrench to tighten the taper nut; refer to the provided torque table for required values based on pipe size. Screw 2 caps.
- **Vacuumize:** Before vacuuming, check all the nuts of the indoor and outdoor unit are tightened. Turn on handle Lo to vacuumize. Vacuumize for at least 15 minutes, make sure the value on the pressure gauge is $\leq 0.1\text{MPa}$. Keep pressure for 3-5 minutes after vacuumizing, make sure pressure springback $\leq 0.05\text{MPa}$. Open 1/4 liquid valve, and remove charging hose. Open all the liquid valves and gas valves. Screw all the caps and tighten up.
- **Fix Cables:** Remove electrical box cover. Fix cables to the terminal board according to the wiring diagram on the E-parts cover. Note: Must follow the wiring diagram inside the box cover. Use a clamp to fix cables. Put electrical box cover back.

Your browser does not support the video tag.

Video: Official installation guide for the Albott Mini Split Air Conditioner. This video provides step-by-step visual instructions for the entire installation process, from preparing the site to connecting the refrigerant lines and electrical components.

5. OPERATING INSTRUCTIONS

Your Albott Mini Split Air Conditioner offers multiple modes and features for personalized comfort. Use the remote control to access and adjust settings.

Operating Modes:

- **Auto Mode:** Automatically selects the appropriate mode (Cool, Heat, Dry, or Fan) based on the ambient temperature.
- **Cool Mode:** Provides cooling to lower the room temperature. Adjustable from 60°F.
- **Heat Mode:** Provides heating to raise the room temperature. Adjustable up to 90°F.
- **Dry (Dehumidify) Mode:** Reduces humidity in the room.
- **Fan Mode:** Circulates air without heating or cooling.

Additional Features:

- **Sleep Mode:** Adjusts temperature and fan speed for comfortable sleep and energy saving.
- **24-Hour Timer:** Program the unit to turn on or off at specific times.
- **4D Auto Swing:** Directs airflow exactly where needed for personalized comfort.
- **Multiple Fan Speeds:** Choose from Low, Mid, High, or Turbo fan speeds.
- **Self-Cleaning Function:** Activates a 135°F self-cleaning cycle to remove dust buildup.



**WHISPER-QUIET OPERATION
FOR PEACEFUL SPACES**

NOISE LEVELS AS LOW AS 29 DB

SLEEP **WORK** **STUDY** **CALLS**

Image: The remote control for the Albott Mini Split AC, detailing its 7 modes, 4 wind speeds, and other features like 24H Timer and Self-Cleaning.

DETACHABLE DUST FILTER

Easy removal, cleaning quick and hassle-free cleaning.

Keeps Air Cleaner

Traps dust and particles, ensuring fresher air circulation.

Enhanced Durability

Protects internal components, prolonging the life of air conditioner.

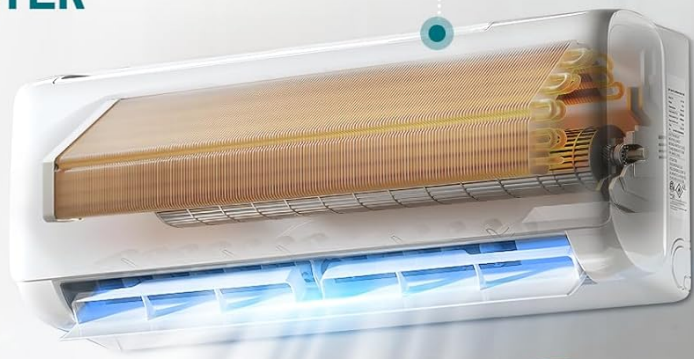


Image: Demonstrates the whisper-quiet operation of the unit, ideal for peaceful spaces like bedrooms or offices, with noise levels as low as 29dB.

6. MAINTENANCE

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

Filter Cleaning:

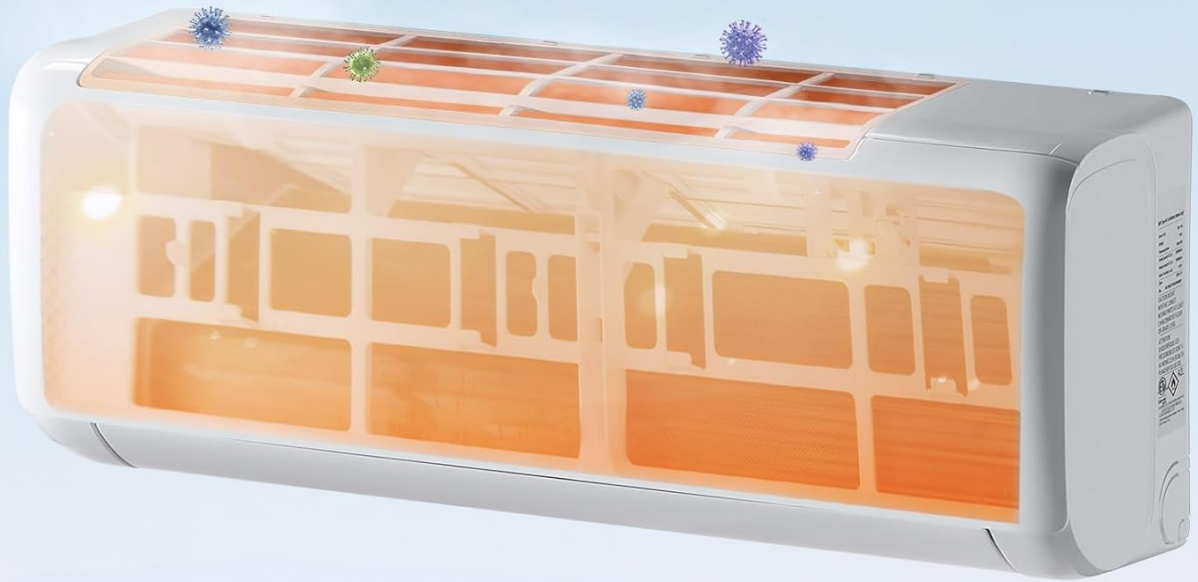
- The unit features washable filters for easy removal and cleaning.
- Regularly clean the air filters to trap dust and particles, ensuring fresher air circulation and enhanced durability of internal components.

Self-Cleaning Function:

- The self-cleaning function operates at 135°F to eliminate dust and bacteria buildup.

- The unit will remind you every 500 hours to activate the self-cleaning cycle, which runs for 30 minutes.

SELF-CLEANING FOR HASSLE-FREE MAINTENANCE



135°F Self-Cleaning
Technology

Eliminates Dust
& Bacteria

30-Minute
Automatic Cycle

Reminder to turn on
self-cleaning every
500 hours of operation

Image: Illustrates the detachable dust filter, highlighting its role in trapping particles and ensuring clean air, which also prolongs the unit's lifespan.

PRODUCT DETAILS

Voltage: **220V** Frequency: **60Hz**
Inside machine model: **24K 220V**
Outside machine model: **24K 220V**
Cooling rated power: **2100W**
heating rated power: **2200W**
Cooling rated current: **10A**
heating rated current: **10A**
Cooling energy efficiency: **24000Btu/h**
heating energy efficiency: **24000Btu/h**



Image: Visual explanation of the self-cleaning function, showing how 135°F heat eliminates dust and bacteria in a 30-minute automatic cycle.

7. TROUBLESHOOTING

If you encounter issues with your Albott Mini Split Air Conditioner, refer to the following common problems and solutions. If the problem persists, contact customer support.

Common Issues:

- **Unit does not turn on:** Check power supply, circuit breaker, and remote control batteries.
- **Not cooling/heating effectively:** Ensure filters are clean, windows/doors are closed, and there are no obstructions to airflow. Check temperature settings.
- **Unusual noises:** Minor noises during operation are normal. Excessive or new noises may indicate an issue.
- **Water leakage:** Check drain hose for kinks or blockages. Ensure proper slope of the drain hose.
- **Electricity leakage:** If there is electricity leakage, turn off power immediately to do further examination.

Trial Operation Checks:

- **Electrical Safety Check:** Use a multimeter to test possible leaking position of the outdoor unit shell during trial operation.
- **Water Drain and Leakage Test:** Remove one filter. Pour in 500ml water along the evaporator for about 20 seconds. Check if water drain can normally flow out and if any water leakage is around the indoor unit.

8. SPECIFICATIONS

Feature	Specification
Brand Name	Albott
Model Info	SAC011
Item Weight	24 pounds
Product Dimensions	29.92 x 11.61 x 7.9 inches
Efficiency	High
Capacity	1550 Cubic Feet (Cools/Heats up to 1500 sq. ft)
Noise Level	29 dB
Installation Type	Split System
Form Factor	Mini-Split
Special Features	4 Way Swing, Auto Clean, Fast Cooling, Heating & Cooling Function, Inverter Compressor
Color	White
Voltage	220 Volts
Wattage	2100 watts
Cooling Power	24000 British Thermal Units
Seasonal Energy Efficiency Ratio (SEER)	19.0

9. WARRANTY AND SUPPORT

The Albott 24000 BTU Mini Split Air Conditioner Heat Pump includes a **5-year compressor warranty** and an **8-year parts**

warranty for your peace of mind.

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Albott customer support. Refer to your product packaging or the official Albott website for contact information.

Documents - Albott – SAC011

no relevant documents