

Albott SAC011

Albott 9100 BTU Mini Split Air Conditioner and Heater (Model SAC011) User Manual

Brand: Albott | Model: SAC011

1. PRODUCT OVERVIEW

The Albott 9100 BTU Mini Split Air Conditioner and Heater is an inverter heat pump system designed for efficient temperature control in spaces up to 450 sq. ft. It offers both cooling and heating functionalities, smart control options, and quiet operation.

- **Smart Compatibility:** Control the unit remotely via smartphone or voice assistant (Alexa compatible). Initial Wi-Fi connection requires being on the same network.
- **Energy-Saving Performance:** With a SEER2 rating of 20.5, it consumes 850W for cooling and 770W for heating, promoting energy efficiency.
- **Quiet Operation:** Designed for low-noise performance, ideal for bedrooms and offices.
- **Efficient Cooling & Heating:** Provides 9,100 BTU for cooling and 9,500 BTU for heating for year-round comfort.
- **Self-Cleaning Technology:** Features a 135°F self-cleaning function that removes dust buildup and reminds users every 500 hours to activate a 30-minute cleaning cycle.

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Video 1: Albott Mini Split Air Conditioner and Heater Inverter AC - A brief overview of the product's features and design.

2. WHAT'S IN THE BOX

The Albott Mini Split system comes in two boxes and includes all necessary components for installation and operation:

- Indoor unit
- Outdoor unit
- Instruction manual
- Remote control and batteries
- Hanging plate for indoor unit
- Drain pipe for indoor unit

- Installation dimension drawing
- 14.76 Ft communication wires
- Wall sleeve
- Putty
- Copper connection pipe - air pipe
- Copper connection pipe - liquid pipe
- 8.2 Ft power cord
- Tape
- Wi-Fi USB



Image 1: All components included in the Albott Mini Split Air Conditioner and Heater package.

3. SPECIFICATIONS

Model Info	SAC011
Cooling Power	9100 British Thermal Units (BTU)

Heating Capacity	9500 BTU/h
Seasonal Energy Efficiency Ratio (SEER2)	20.5
Voltage	115 Volts
Wattage (Cooling)	850 watts
Wattage (Heating)	770 watts
Capacity (Area)	450 Square Feet
Noise Level	29 Decibels
Product Dimensions	29.92 x 11.61 x 7.9 inches
Item Weight	24 pounds

PRODUCT DETAILS



Inside machine model: 9K 115V	Outside machine model: 9K 115V	
Cooling rated power: 850W	heating rated power: 770W	Voltage: 115V
Cooling rated current: 7.5A	heating rated current: 6.8A	Frequency: 60Hz
Cooling energy efficiency: 9100BTU/h	heating energy efficiency: 9500BTU/h	

Image 2: Detailed product dimensions and electrical specifications.

4. INSTALLATION AND SETUP

Proper installation is crucial for the optimal performance and longevity of your Albott Mini Split system. It is recommended to consult a professional HVAC technician for installation to ensure compliance with local regulations and safety standards.

4.1 General Installation Guidelines

- Ensure the installation location for both indoor and outdoor units is hard, flat, and firm to prevent vibration and noise.
- Avoid installing near heat sources, steam sources, or areas with flammable/explosive gases.
- Maintain adequate clearance around the units for proper airflow (refer to specific diagrams in the full manual).

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Video 2: Detailed installation guide for the split air conditioner, covering both indoor and outdoor unit setup.

4.2 Indoor Unit Installation

1. **Mounting Plate:** Securely fix the mounting plate to the wall using at least 5 expansion screws. Use a level to ensure it is horizontal.
2. **Drill Wall Hole:** Drill a wall hole for the refrigerant pipes and wires. Ensure the hole is inclined outward by 5-10 degrees and has a diameter of 60-80mm. Avoid wires, plumbing, and gas lines.
3. **Connection Cable:** Pass the power cable from the back of the indoor unit and fix it to the terminal board. Secure the cable with a clamp.
4. **Refrigerant Piping:** Connect the copper pipes to the indoor unit. Tighten the taper nuts with fingers first, then use two wrenches to fully tighten to the specified torque (refer to the torque table in the full manual).
5. **Drain Hose:** Connect the drain hose to the water outlet pipe and secure it with adhesive tape. Ensure the hose is sloped down to prevent water leakage.
6. **Wrap Piping:** Wrap the refrigerant piping, wires, and drain pipe together with wrapping tape.
7. **Mount Indoor Unit:** Carefully put the refrigerant piping through the wall hole and mount the indoor unit onto the mounting plate. Push the lower part until a 'click' sound is heard to ensure it's firmly fixed.
8. **Seal Wall Hole:** Use the pipe protecting ring and putty to seal the wall hole around the pipes and wires.

4.3 Outdoor Unit Installation

1. **Select Location:** Install the outdoor unit in a firm and flat place to prevent vibration and noise. Ensure proper clearances (e.g., >20cm to obstruction, >10cm air in side, >200cm air out side).
2. **Install Bracket:** If mounting on a wall, install the outdoor unit bracket using at least 6 expansion bolts. Use a level to ensure it is horizontal and vertical.
3. **Fix Outdoor Unit:** Place the outdoor unit onto the brackets and fix its feet with 4 screws.
4. **Connect Refrigerant Piping:** Remove the nuts from the stop valves. Aim at the pipe center of the stop valve, tighten the taper nut with fingers, then use two wrenches to fully tighten to the specified torque.
5. **Fix Cables:** Remove the electrical box cover. Fix the cables to the terminal board according to the wiring diagram provided inside the box cover. Use clamps to fix cables.

4.4 Vacuuming and Refrigerant

1. **Connect Vacuum Pump:** Connect the stop valve, charging hose, manifold valve, and vacuum pump as shown in the diagram (refer to full manual for diagram).
2. **Vacuumize:** Turn on the handle Lo to vacuumize for at least 15 minutes. Ensure the pressure gauge value is $\leq 0.1\text{MPa}$ (-76cmHg / $500\mu\text{m}$). Keep the pressure for 3-5 minutes after vacuumizing; pressure springback should be $\leq 0.05\text{MPa}$.
3. **Open Valves:** Open the 1/4 liquid valve and remove the charging hose. Then, open all the liquid and

gas valves. Screw all the caps and tighten them up.

Note on Refrigerant Adjustment:

When the length of the connecting pipe is changed, an extra amount of refrigerant may need to be added or reduced to maintain optimal operation. Refer to the table below:

Length of connection pipe	Added or reduced refrigerant	Amount of refrigerant for the unit
<3m	CC≤12000Btu: reduce 20g/m CC≥18000Btu: reduce 50g/m	≤1Kg ≤2Kg
3-5m	Not needed	-
5-15m	CC≤12000Btu: add 20g/m CC≥18000Btu: add 30g/m	≤1Kg ≤2Kg

5. OPERATING INSTRUCTIONS

Your Albott Mini Split system offers various modes and features for customized comfort.

REMOTE CONTROL AND FUNCTIONS

Adjust settings from up to 30 feet away



The image shows a white Albott Mini Split indoor unit mounted on a wall. A hand is holding a white remote control, which is emitting blue signal waves towards the unit. The remote control has a digital display showing '75' and various function buttons.

7 Modes

[A] Auto ❄️ Cool ☀️ Heat ⌚ Dry

🌀 Fan 🌙 Sleep ⚡ Eco

4 Wind Speeds

🌀 Low 🌀 Mid 🌀 High 🌀 Turbo

More Features

👁️ Screen Off 🌡️ °F/°C 🌀 4D Auto Swing

🕒 24H Timer 🌀 Self-Cleaning

SET TEMPERATURE

AUTO COOL DRY HEAT

75

FAN HIGH MID LOW

ON/OFF

SET

MODE TURBO SPEED

SLEEP °C/°F DISPLAY

SWING+ SWING- iFEEL

i-F ELE.H HEALTH TIMER

ECO iCLEAN

ALBOTT

Image 3: Remote control and its various functions.

5.1 Remote Control Functions

- **Modes:** Auto, Cool, Heat, Dry, Fan, Sleep, Eco.
- **Fan Speeds:** Low, Mid, High, Turbo.
- **Temperature Adjustment:** Use the SET buttons to increase or decrease temperature.
- **Swing:** Adjust horizontal and vertical airflow direction.
- **Timer:** Set a 24-hour timer for automatic on/off.
- **Display:** Toggle the unit's display on/off.

5.2 Smart Control

The unit can be controlled via a smartphone app or voice assistants like Alexa. Ensure the unit is connected to your Wi-Fi network (initial setup requires being on the same network).

5.3 Operating Modes

- **Cool Mode:** Cools down to 60°F.
- **Heat Mode:** Heats up to 90°F.
- **Dry Mode:** Removes up to 42 pints of moisture per day.
- **Fan Mode:** Circulates air with 4 adjustable wind speeds.
- **Sleep Mode:** Provides quiet operation for undisturbed rest.



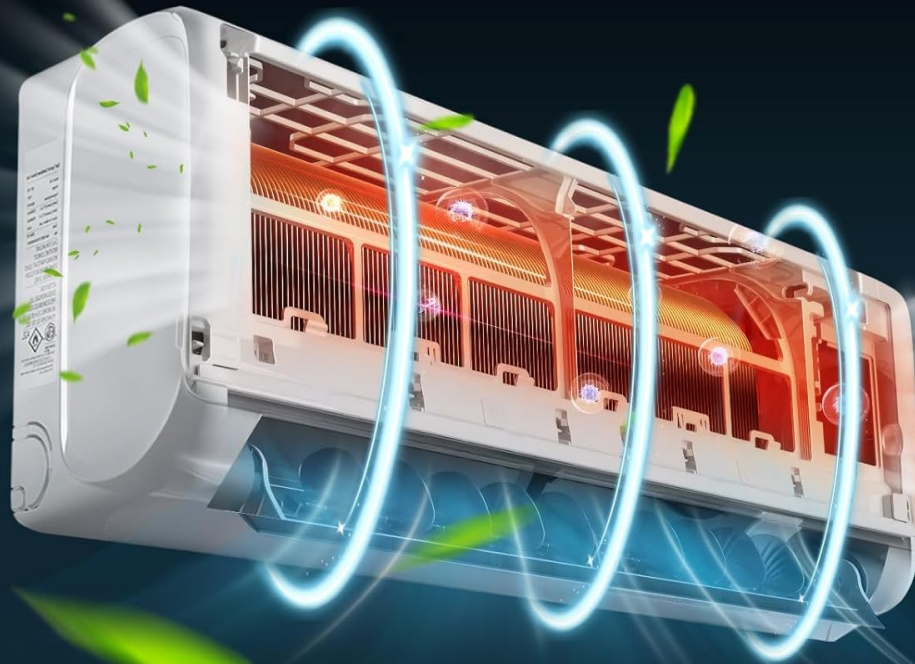
Image 4: Overview of the 4-in-1 functionality.

6. MAINTENANCE

6.1 Self-Cleaning Function

The unit features a 135°F self-cleaning function to prevent dust buildup and maintain efficiency. The system will remind you every 500 hours of operation to activate a 30-minute automatic cleaning cycle.

AUTOMATIC 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 5: Illustration of the automatic self-cleaning process.

6.2 Water Drain and Leakage Test

During trial operation, it is important to check the water drain and test for any leakage. Pour approximately 500ml of water along the evaporator (about 20 seconds) and verify that water flows out normally from the drain pipe and that there is no leakage around the indoor unit.

7. TROUBLESHOOTING

If you encounter any issues with your unit, refer to the full instruction manual for detailed troubleshooting steps. For immediate safety concerns, such as electricity leakage, turn off the power supply to the unit immediately and contact qualified personnel for examination.

8. WARRANTY AND SUPPORT

The Albott Mini Split Air Conditioner and Heater comes with a **5-year parts coverage** and **8-year compressor support**. For any warranty claims or technical assistance, please refer to the contact information provided in your full instruction manual or visit the official Albott website.

Documents - Albott – SAC011

no relevant documents