

[Manuals.plus](#) /

› [ROVSUN](#) /

› ROVSUN 12,000 BTU Mini Split Air Conditioner & Heater User Manual

ROVSUN G46000575

ROVSUN 12,000 BTU Mini Split Air Conditioner & Heater User Manual

Model: G46000575

PRODUCT OVERVIEW

The ROVSUN 12,000 BTU Mini Split Air Conditioner & Heater is a versatile climate control system designed for efficient cooling and heating of spaces up to 550 square feet. Featuring advanced inverter technology, this unit provides rapid temperature adjustments while ensuring energy savings. It operates on 115V/60Hz power and boasts a high 21 SEER2 rating, making it an eco-friendly and cost-effective solution for residential and light commercial applications. Control is made convenient through multiple options: a dedicated remote control, a smartphone application, and voice commands via Alexa or Google Assistant. The unit is engineered for quiet operation, with a noise level as low as 28dB in mute mode, ensuring a peaceful indoor environment.



Figure 1: Complete ROVSUN Mini Split System components.

PACKAGE CONTENTS

The ROVSUN Mini Split system comes packaged in two separate boxes, and delivery times may vary for each. Please ensure both boxes are received before scheduling installation.

Table 1: Package List

Box 1 Contents	Box 2 Contents
----------------	----------------

Box 1 Contents	Box 2 Contents
• Indoor Unit • Remote Control • 2 Batteries (for remote) • Instruction Manual • Mounting Plate • Screws • Rubber Feet • Signal Cable - 19ft • Bracket Template	• Outdoor Unit • Drain Hose - 13.1ft • Sealing Gum • Wall Cap • Drain Joint • Tape • Wall Sleeve • Insulation Foam • Copper Line Set - 16.4ft

Note: The power cord is not included and must be purchased separately.



Figure 2: Visual representation of included package components.

SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and safety of your ROVSUN Mini Split Air Conditioner & Heater. It is highly recommended that installation be performed by a professional licensed HVAC technician.

Pre-Installation Checklist:

- Ensure the unit remains upright for at least 24 hours before installation.
- Verify that you have received both Box 1 (Indoor Unit) and Box 2 (Outdoor Unit) as delivery times may differ.
- Confirm the voltage of your home's power supply matches the unit's requirements (115V). Incorrect voltage can lead to circuit breaking and efficiency loss.
- Gather all necessary tools and additional materials not included in the kit, such as a power cord and specialized HVAC equipment (e.g., vacuum pump with gauge).

Installation Steps (Overview):

1. Select an appropriate location for both the indoor and outdoor units, considering factors like room size, air circulation, and proximity to power outlets.
2. Mount the indoor unit using the provided mounting plate and bracket template.
3. Install the outdoor unit on a stable, level surface, ensuring adequate clearance for airflow.
4. Connect the copper line set and signal cable between the indoor and outdoor units. The kit includes 16.4ft copper lines and a 19ft signal cord.
5. Perform vacuuming and refrigerant charging (if necessary, as the unit comes pre-charged). This step is critical and typically requires specialized equipment and expertise.
6. Connect the drain hose and ensure proper drainage to prevent water accumulation.
7. Connect the unit to the power supply.

For detailed, step-by-step installation instructions, please refer to the comprehensive instruction manual included in Box 1.

OPERATING INSTRUCTIONS

Your ROVSUN Mini Split system offers multiple convenient ways to control your indoor climate.

Control Methods:

- **Remote Control:** Use the included remote for direct control over modes, temperature, fan speed, and other settings. Ensure batteries are correctly inserted.
- **Smartphone APP Control:** Seamlessly integrate your unit with the dedicated ROVSUN smartphone application. This allows you to adjust settings, set routines, and monitor your unit from anywhere.
- **Voice Control:** The unit is compatible with smart home assistants such as Alexa and Google Assistant. Connect your unit to your smart home ecosystem for convenient voice-activated control.

Feel the Smart Control of Modern Appliance

choose the way you want to use it

The advertisement features a man sitting on a white sofa in a modern living room, reading a book. A ROVSUN Mini Split air conditioner is mounted on the wall, with blue light rays emanating from it. In the foreground, there are two smart speakers, one white and one black. Three numbered callouts illustrate smart control options:

- 1** "Hey Alexa , set my split air conditioner to Cool Mode" (with a response bubble saying "Okay!")
- 2** Remote control (labeled "Remote")
- 3** ROVSUN App (labeled "ROVSUN App")

At the bottom, there are two logos: "works with Google Assistant" and "works with amazon alexa".

Figure 3: Smart control options for the ROVSUN Mini Split system.

Key Operating Modes:

- **Cooling Mode:** Provides powerful cooling for rooms up to 550 sq. ft. Ideal for hot climates.
- **Heating Mode:** Functions as a heat pump to warm your space. Effective in temperatures down to -4°F.
- **Dehumidifier Mode:** Helps reduce humidity levels in the room, improving comfort and preventing mold growth.
- **Fan-Only Mode:** Circulates air without cooling or heating, useful for ventilation.
- **Mute Mode:** Operates at an ultra-quiet 28dB, ensuring minimal noise disturbance, especially suitable for bedrooms.
- **Temperature Range:** The unit can rapidly cool and heat within a range of 61°F to 88°F.

30s QUICK 
COOLING

12,000BTU
COOLING CAPACITY

60s QUICK 
HEATING

12,600BTU
HEATING CAPACITY

 **550SQ.FT**

Application area up
to 550sq.ft



550 Sq.Ft



Figure 4: Cooling and heating performance overview.

Ultra Quiet Operation

Enjoy a sweet night's sleep

 **28dB** in MUTE
mode

 **10dB**
Breathing

 **28dB**
ROVSUN

 **45dB**
Quiet library

 **55dB**
Talking voice



Figure 5: Ultra-quiet operation for enhanced comfort.

MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your ROVSUN Mini Split system. Always disconnect power to the unit before performing any maintenance.

Indoor Unit Maintenance:

- **Air Filter Cleaning:** The air filters should be cleaned every two weeks or more frequently depending on usage and air quality. Open the front panel, remove the filters, and wash them with lukewarm water and mild detergent. Rinse thoroughly and allow them to dry completely before reinserting.
- **Coil Cleaning:** Periodically inspect the indoor coil for dust and debris. If dirty, use a soft brush or a vacuum cleaner with a brush attachment to gently clean the fins. For stubborn dirt, professional coil cleaning may be required.
- **Exterior Cleaning:** Wipe the exterior of the indoor unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

Outdoor Unit Maintenance:

- **Clear Debris:** Ensure the area around the outdoor unit is free from leaves, grass clippings, and other obstructions that could block airflow.
- **Coil Cleaning:** The outdoor coil can accumulate dirt and debris, reducing efficiency. Gently spray the coil with a garden hose to remove loose dirt. For deeper cleaning, professional service is recommended.
- **Inspect Fan Blades:** Check the fan blades for any damage or obstructions.

Seasonal Maintenance:

- Before the cooling or heating season, consider having a professional HVAC technician inspect your system. They can check refrigerant levels, electrical connections, and overall system performance.
- Ensure the drain line is clear and free of blockages to prevent water leaks.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your ROVSUN Mini Split system. If the problem persists, please contact customer support.

Table 2: Common Troubleshooting Guide

Problem	Possible Cause	Solution
Unit does not turn on.	No power, tripped circuit breaker, remote control issues.	Check power supply and circuit breaker. Replace remote batteries. Ensure power cord is securely connected.
Insufficient cooling/heating.	Dirty air filters, blocked outdoor unit, incorrect mode/temperature settings, low refrigerant.	Clean air filters. Clear debris from outdoor unit. Verify mode and temperature settings. If refrigerant is suspected, contact a professional.
Unusual noise from unit.	Loose parts, fan obstruction, normal operating sounds (e.g., refrigerant flow).	Check for loose panels or debris. If noise is excessive or unusual, contact a professional.
Water leakage from indoor unit.	Blocked drain hose, improper installation.	Check and clear the drain hose. Ensure the unit is level. If problem persists, professional inspection is needed.
Wi-Fi/App control not working.	Network issues, incorrect app setup, unit not connected to Wi-Fi.	Ensure strong Wi-Fi signal. Reconfigure app connection. Refer to the app's specific troubleshooting guide.

SPECIFICATIONS

Detailed technical specifications for the ROVSUN 12,000 BTU Mini Split Air Conditioner & Heater (Model: G46000575).

Table 3: Product Specifications

Feature	Detail
Brand Name	ROVSUN
Model Info	G46000575
Product Dimensions (Indoor Unit)	31.92"W x 11.49"H x 7.99"D

Feature	Detail
Product Dimensions (Outdoor Unit)	28.14"W x 19.61"H x 11.42"D
Rated Cooling Capacity	12,000 BTU
Rated Heating Capacity	12,600 BTU
SEER2 Rating	21
Voltage	115 Volts
Max. Fuse Size	30A
Indoor Noise Level (Mute Mode)	28 dB
Connecting Pipe Length	16.4 ft
Suitable Area	Up to 550 sq. ft.
Indoor Net Weight	19.8 lbs
Outdoor Net Weight	55.1 lbs
Outdoor Cooling Temperature Range	5-122°F
Outdoor Heating Temperature Range	-4-86°F
Refrigerant	R-454B
Special Features	Defrost, Wi-Fi
Color	Black



Figure 6: Product dimensions and technical specifications.

WARRANTY AND SUPPORT

For specific warranty details, including coverage period and terms, please refer to the warranty card included with your product or the official ROVSUN website. It is important to register your product to activate your warranty, if applicable. ROVSUN offers a return policy for items that are defective or damaged. If you receive a product with missing parts or experience quality issues, please contact ROVSUN customer service for assistance. They are committed to providing responsible and comprehensive after-sales service.

Customer Support:

If you have any questions, require technical assistance, or need to report an issue, please contact ROVSUN customer support through their official channels. This may include their website, email, or a dedicated support hotline. For the most up-to-date contact information, please visit the [ROVSUN Store on Amazon](#) or their official brand website.

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