

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

> [GarveeTech](#) /

> [GarveeTech 24,000 BTU Mini Split AC/Heating System \(Model SAC24-2-S21-B\) User Manual](#)

GarveeTech SAC24-2-S21-B

GarveeTech 24,000 BTU Mini Split AC/Heating System User Manual

Model: SAC24-2-S21-B

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your GarveeTech 24,000 BTU Mini Split AC/Heating System, Model SAC24-2-S21-B. Please read this manual thoroughly before using the unit to ensure safe and efficient operation. Keep this manual for future reference.

IMPORTANT SAFETY INFORMATION

Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and injury to persons.

- Professional installation is required for this unit to ensure compliance with local codes and optimal performance.
- Do not attempt to repair or modify the unit yourself. Refer all servicing to qualified personnel.
- Ensure the power supply matches the specifications listed on the unit's nameplate.
- Keep the area around the outdoor unit clear of obstructions.
- Do not insert objects into the air outlet or inlet.

PRODUCT OVERVIEW AND COMPONENTS

The GarveeTech Mini Split AC/Heating System includes an indoor unit, an outdoor unit, a remote control, and an installation kit. This system provides 4-in-1 versatility for cooling, heating, dehumidification, and fan-only operation.



Image: Main components of the GarveeTech Mini Split AC/Heating System, including the indoor unit, outdoor unit, remote control, and various installation accessories.

Key Features:

- **All-Season 4-in-1 Versatility:** Cooling, Heating, Dry mode (dehumidification), and Fan-Only.
- **Precision Temperature Control:** AI-driven vector inverter maintains setpoint within ± 0.1 °C.
- **Energy Efficiency:** 21 SEER2 rating with R-32 refrigerant, ETL and AHRI certified.
- **Ultra-Quiet Operation:** Sound levels as low as 30 dB in Sleep mode.
- **Convenient Remote Control:** Power on/off, mode switching, timer setup, filter cleaning reminders.
- **Advanced Self-Care:** 57 °C auto-rinse cycle, post-run drying, refrigerant-leak monitoring.
- **Robust Durability:** Impact-resistant design, three-layer protective coating, wide-voltage tolerance.

SETUP AND INSTALLATION

Professional installation is required for this GarveeTech Mini Split system. This ensures proper functioning, safety, and compliance with all applicable regulations. The unit is precharged with R32 refrigerant. Installation brackets are not included.

Key Installation Considerations:

- **Space-Saving Design:** The outdoor unit is designed to be compact, facilitating installation in various locations.
- **Modular Mounting System:** Features a modular under-jaw mounting system for streamlined installation.
- **Dimensions:** Refer to the specifications section for detailed dimensions of both indoor and outdoor units to plan your installation space.



Image: Illustrative diagram displaying the dimensions of the indoor and outdoor units for installation planning.

OPERATING INSTRUCTIONS

Your GarveeTech Mini Split system offers various modes and settings for optimal comfort. All functions are controlled via the included remote control.

DISCOVER THE CONVENIENCE OF ADVANCED APPLIANCE CONTROL

Convenient Remote Control



Image: A user operating the GarveeTech Mini Split system using the remote control.

Modes of Operation:

- **Cooling Mode:** Delivers rapid cooling. The system can achieve turbo-cooling in approximately 30 seconds.
- **Heating Mode:** Provides efficient heating. The system can achieve turbo-heating in approximately 60 seconds.
- **Dry Mode (Dehumidification):** Removes excess moisture from the air at a rate of 3.8 pt/hr.

- **Fan-Only Mode:** Circulates air without cooling or heating.

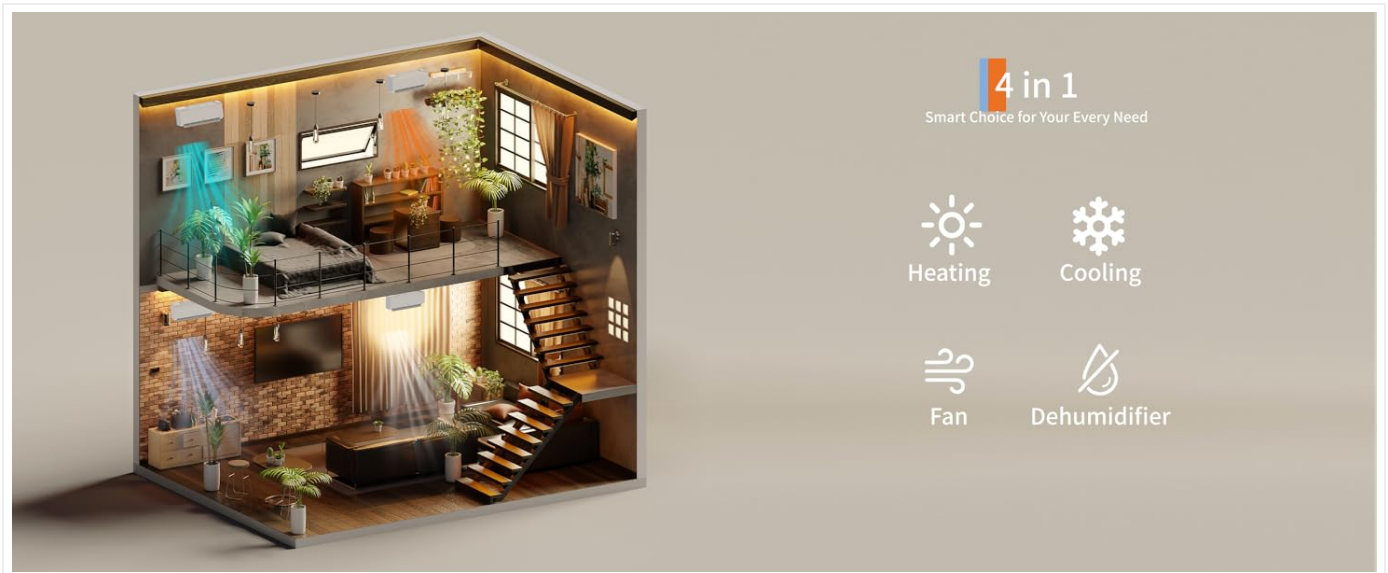


Image: Visual representation of the four operational modes: Heating, Cooling, Fan, and Dehumidifier.

Fan Speeds:

Select from Turbo, High, Medium, Low, or Auto fan speeds to suit your comfort needs.

Temperature Control:

The AI-driven vector inverter maintains your desired temperature within ± 0.1 °C (0.18 °F) for consistent comfort.

Quiet Operation:

Engineered for noise-sensitive environments, the unit operates as quietly as 30 dB in Sleep mode, utilizing a torque-compensation algorithm and dual-layer silencer cotton.

TRANQUIL NIGHT, UNINTERRUPTED SLUMBER



30dB
in Mute Mode



Image: Depiction of the unit operating quietly in a bedroom, highlighting its low noise level.

Remote Control Functions:

- Power On/Off
- Mode Selection (Cooling, Heating, Dry, Fan)
- Temperature Adjustment

- Fan Speed Control
- Timer Settings
- Filter Cleaning Reminders

MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your GarveeTech Mini Split system.

Filter Cleaning:

The remote control provides automated reminders when it's time to clean the air filter. Regularly cleaning the filter improves air quality and maintains system efficiency.



Image: A technician demonstrating the cleaning of an air filter in the indoor unit.

Auto-Rinse Cycle:

The built-in 57 °C auto-rinse cycle removes 99.9% of internal buildup, contributing to perpetually fresh airflow.



Image: Illustration of the 56°C high-temperature self-cleaning function, ensuring clean air.

Post-Run Drying Cycle:

When switching off Cooling, Dry, or Auto mode, a post-run drying cycle automatically circulates air through the coils to eliminate residual moisture and prevent odors.

TROUBLESHOOTING

This section provides guidance for common issues. For complex problems, contact customer service.

- **Power Outage Recovery:** After a power outage, the unit automatically recalls and resumes its last settings.
- **Refrigerant Leak Monitoring:** Real-time monitoring instantly shuts down the compressor if a refrigerant fault is detected.
- **Compulsory Freon-Recycling Mode:** Safely reclaims refrigerant under low-pressure winter-heating conditions.
- **General Issues:** If the unit is not operating as expected, check the power supply, ensure filters are clean, and verify remote control battery life.

SPECIFICATIONS

Feature	Detail
Model Number	SAC24-2-S21-B
Cooling Capacity	24,000 BTU
Heating Capacity	24,000 BTU
Coverage Area	Up to 1500 sq ft (60–90 °F comfort band)
SEER2 Rating	21
Refrigerant Type	R-32 (precharged)
Voltage	230 Volts
Noise Level (Sleep Mode)	30 dB
Noise Level (Turbo Mode)	50 dB
Indoor Unit Dimensions (D x W x H)	12.91" x 42.87" x 8.94"
Outdoor Unit Dimensions (Approx.)	14.69"D x 37.80"W x 29.41"H
Item Weight	125.7 pounds
Operating Temperature Range	19 °F to 118 °F
Certifications	ETL, AHRI

WARRANTY AND SUPPORT

The GarveeTech Mini Split AC/Heating System is backed by a **5-year manufacturer's warranty**. This warranty covers shipping damage, parts failure under normal use, and other functional issues.

For assistance, replacement parts, installation guidance, error troubleshooting, or technical inquiries, please contact our customer service team directly. Contacting customer service first can help avoid unnecessary third-party service fees.

Note: The product ships in two packages, which may arrive separately.

