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### TOSOT 12,000 BTU Mini-Split Air Conditioner

# TOSOT 12,000 BTU Mini-Split Air Conditioner User Manual

Model: 12,000 BTU Mini-Split Air Conditioner

## PRODUCT OVERVIEW

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The TOSOT 12,000 BTU Mini-Split Air Conditioner is a WiFi-enabled ductless inverter split system designed for efficient heating and cooling. This unit offers smart control capabilities, high energy efficiency, and quiet operation, making it suitable for various indoor environments.



Image: The complete TOSOT mini-split system, including the indoor air handler, outdoor condenser unit, remote control, and a smartphone displaying the control app. Also shown are the refrigerant lines and electrical cables.

## Key Features:

- **Smart Cooling:** Control via the Gree+ app and voice assistants like Alexa or Google Assistant.
- **High Efficiency:** SEER2 rating above 20, potentially saving up to 62% on energy costs.
- **Advanced Inverter Compressor:** Provides stable performance across extreme temperatures, from -13°F to 122°F.
- **Quiet Operation:** Noise levels between 24dB and 34dB for a peaceful environment.
- **Ductless Design:** Simplifies installation and offers flexible placement.
- **Heating and Cooling:** Provides year-round comfort.

Video: An overview of the TOSOT Mini-Split Air Conditioner, highlighting its quiet operation, heating and cooling capabilities, energy efficiency, and smart control features. The video demonstrates the unit in various settings and shows the remote control in use.

## SETUP AND INSTALLATION

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The TOSOT Mini-Split system is designed for straightforward installation, often suitable for DIY enthusiasts with proper tools and knowledge. It operates on a standard 115V outlet, eliminating the need for special wiring in most residential applications.

### Included Components:



Image: A visual breakdown of all components included in the package, showing both indoor and outdoor unit parts, such as drywall anchors, flare nuts, remote control, mounting plate, electrical cable, refrigerant pipe, and drain hose.

### Before Installation:

- Ensure you have all necessary tools, including a torque wrench and a vacuum pump with a pressure gauge.
- Carefully read the full user manual for detailed instructions and safety precautions.
- Select an appropriate location for both the indoor air handler and the outdoor condenser unit, ensuring proper clearances for airflow and maintenance.

### Installation Steps (Summary):

1. Turn off the unit and disconnect power.
2. Mount the indoor unit's mounting plate securely on the wall.
3. Drill a hole through the wall for the refrigerant lines, drain hose, and electrical cables.
4. Connect the refrigerant lines and electrical wiring between the indoor and outdoor units. Ensure all connections are tight and properly torqued to prevent leaks.
5. Evacuate the refrigerant lines using a vacuum pump to remove air and moisture.
6. Release the refrigerant from the outdoor unit into the system.
7. Secure the indoor unit to the mounting plate and connect the drain hose.
8. Connect the unit to a standard 115V power outlet.

*Note: Professional installation is recommended if you are not familiar with HVAC systems or electrical work.*

## OPERATING INSTRUCTIONS

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Your TOSOT Mini-Split Air Conditioner can be operated using the included remote control or via the Gree+ / TOSOT+ smartphone application.

## Remote Control Operation:



Image: A close-up of the TOSOT remote control, showing its various buttons for mode selection, fan speed, temperature adjustment, swing, sleep mode, WiFi, and timer functions.

- **Power On/Off:** Press the power button to turn the unit on or off.
- **Mode Selection:** Use the 'MODE' button to cycle through Cooling, Heating, Fan, and Dehumidifying modes.
- **Temperature Adjustment:** Use the Up/Down arrows to set your desired temperature.
- **Fan Speed:** Adjust fan speed using the 'FAN' button (e.g., Auto, Low, Medium, High).
- **Swing Function:** Activate 'SWING' for automatic louver movement to distribute air evenly.
- **Sleep Mode:** Engages quiet operation and adjusts temperature for optimal sleep comfort.
- **Timer:** Set specific times for the unit to turn on or off.

## Smart Control (WiFi & Voice Assistant):

The unit is WiFi-enabled, allowing control from anywhere using the Gree+ / TOSOT+ app on your smartphone. It is also compatible with Alexa and Google Assistant for convenient voice control.



Image: A bedroom scene showing the TOSOT indoor unit mounted on the wall, with a hand holding the remote control and another hand holding a smartphone displaying the control app, illustrating the smart control capabilities.

- Download the Gree+ or TOSOT+ app from your device's app store.
- Follow the in-app instructions to connect your mini-split unit to your home WiFi network.
- Once connected, you can control all functions remotely and integrate with Alexa or Google Assistant for voice commands.

## MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your TOSOT Mini-Split Air Conditioner.

### Filter Cleaning:



## WHISPER-QUIET COMFORT

Experience noise levels as low as 22dB to 36dB for peaceful sleep or focused work.

Image: The indoor unit of the TOSOT mini-split air conditioner with its front panel lifted, revealing the air filters inside. This illustrates the accessibility for routine cleaning.

- **Frequency:** Clean air filters every 2-4 weeks, or more frequently if the unit is used heavily or in dusty environments.
- **Steps:**
  - a. Turn off the unit and disconnect power.
  - b. Open the front panel of the indoor unit.
  - c. Carefully remove the air filters.
  - d. Wash the filters with lukewarm water and mild detergent, or vacuum them to remove dust.
  - e. Allow filters to dry completely before reinserting them.
  - f. Close the front panel.

### Outdoor Unit Maintenance:

- Keep the area around the outdoor condenser unit clear of debris, leaves, and other obstructions to ensure proper airflow.
- Periodically clean the outdoor coil fins with a soft brush or water hose (ensure power is off).

### TROUBLESHOOTING

If you encounter issues with your TOSOT Mini-Split, refer to the following common troubleshooting tips. For persistent problems, contact customer support.

Problem	Possible Cause	Solution
Unit does not turn on.	No power, remote control batteries dead, circuit breaker tripped.	Check power connection, replace remote batteries, reset circuit breaker.
Insufficient cooling/heating.	Dirty air filters, blocked outdoor unit, incorrect mode setting, low refrigerant.	Clean filters, clear obstructions, verify mode, contact support for refrigerant check.
Unusual noise from unit.	Loose parts, fan obstruction, refrigerant flow noise (normal).	Check for loose parts, remove obstructions, consult manual for normal operating sounds.
Water leaking from indoor unit.	Clogged drain hose, improper installation angle.	Clear drain hose, ensure proper unit leveling.

Problem	Possible Cause	Solution
WiFi connectivity issues.	Weak WiFi signal, incorrect app setup.	Ensure strong WiFi signal, re-follow app setup instructions.

## SPECIFICATIONS

Feature	Detail
Model	12,000 BTU Mini-Split Air Conditioner
Cooling Power	12,000 British Thermal Units (BTU)
Heating Capacity	Equivalent to 12,000 BTU/h (implied by heating system feature)
Voltage	115 Volts
Seasonal Energy Efficiency Ratio (SEER2)	20.5
Noise Level (Indoor)	24 dB (minimum) to 34 dB (maximum)
Operating Temperature Range (Cooling)	Up to 122°F
Operating Temperature Range (Heating)	Down to -13°F
Product Dimensions	14.7 x 23.2 x 31.1 inches (Outdoor Unit)
Item Weight	49.9 pounds
Applicable Area	Up to 750 sq ft
Special Features	WiFi Enabled, Google Assistant, Alexa Compatible



Seasonal Energy Efficiency Ratio (SEER2\*)

**19.0**



Cut energy costs up to

**16%**

compared to lower SEER2\* units

SEER stands for Seasonal Energy Efficiency Rating. SEER2\* is the updated version of this calculation that uses the new MI blower testing procedure.

Image: Illustrates the Seasonal Energy Efficiency Ratio (SEER2) of 19.0 and highlights energy cost savings compared to lower SEER2 units. Certifications like NEEP, ETL, and AHRI are also shown.

# ADVANCED INVERTER TECHNOLOGY

Enjoy stable temperatures, quieter operation, and energy savings with a compressor that adjusts its speed.

Heats Even at

**-13°F**



Cools Even at

**122°F**

Image: Depicts the advanced inverter technology of the TOSOT outdoor unit, emphasizing its ability to heat even at -13°F and cool even at 122°F, ensuring stable performance in extreme weather.



Image: Provides detailed dimensions for the indoor and outdoor units across different BTU capacities (9,000, 12,000, 18,000, and 24,000 BTU), aiding in planning installation space.

## WARRANTY AND SUPPORT

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### Warranty Information:

The TOSOT 12,000 BTU Mini-Split Air Conditioner comes with a **5-year warranty**. Please retain your proof of purchase for warranty claims.

### Customer Support:

For any questions, technical assistance, or warranty claims, please contact TOSOT customer support. You can find contact information on the official TOSOT website or through your retailer.

TOSOT is committed to providing quality products and reliable support. With over 20 years of manufacturing experience, secure packaging, and US-based customer support, your satisfaction is a priority.



Image: Highlights TOSOT's commitment to quality and service, featuring icons for 20+ years of manufacturing experience, secure packaging, and US-based customer support. A note about potential multiple package shipments is also included.



