

TOSOT TST-MZ-C30-D1218-02

TOSOT 30,000 BTU Dual 2 Zone Mini Split Air Conditioner with Heat Pump

MODEL: TST-MZ-C30-D1218-02 - USER MANUAL

1. Introduction

This manual provides essential instructions for the safe and efficient installation, operation, and maintenance of your TOSOT 30,000 BTU Dual 2 Zone Mini Split Air Conditioner with Heat Pump, Model TST-MZ-C30-D1218-02. This system is designed to provide individual temperature control for two distinct zones using one outdoor unit, featuring high energy efficiency (21 SEER2), Wi-Fi connectivity, and robust performance across a wide range of ambient temperatures.

2. Safety Information

Please read all safety warnings and instructions carefully before installing or operating this appliance. Failure to follow these instructions may result in property damage, personal injury, or death.

- **Professional Installation:** Installation, maintenance, and repair of this unit must be performed by qualified and certified HVAC technicians. Improper installation can lead to electric shock, fire, water leakage, or other hazards.
- **Electrical Safety:** Ensure the unit is connected to a properly grounded power supply with the correct voltage (230V). Do not use extension cords. Disconnect power before any service or cleaning.
- **Refrigerant Handling:** This unit contains R32 refrigerant. Handling of refrigerant must be done by certified personnel only. R32 is a mildly flammable refrigerant.
- **Clearances:** Maintain adequate clearances around both indoor and outdoor units for proper airflow and service access.
- **Children and Pets:** Keep children and pets away from the unit during operation and maintenance.

3. Product Overview

The TOSOT Cosmo Series 30,000 BTU Dual 2 Zone Mini Split System consists of one outdoor condenser unit and

two indoor air handling units (one 12,000 BTU and one 18,000 BTU). This system provides flexible climate control for different areas within your home or business.



Figure 3.1: System overview illustrating a single outdoor unit serving multiple indoor units for zoned comfort.

Key Features:

- **Individual Temperature Control:** Manage temperatures independently in two separate spaces, allowing for customized comfort settings from 61°F to 86°F.
- **High Energy Efficiency:** With a 21 SEER2 rating, this system offers significant energy savings compared to conventional units. It is Energy Star-certified.
- **Wide Operating Range:** Designed to operate effectively in ambient temperatures ranging from -22°F to 118°F, ensuring reliable performance in diverse climates.
- **Smart Control:** Control your system remotely using the Gree+ app on your smartphone or through voice commands with compatible smart home devices.
- **Advanced Inverter Technology:** Provides stable temperatures, quieter operation, and enhanced energy efficiency by adjusting compressor speed.

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

118°F

Figure 3.2: Advanced Inverter Technology for stable temperatures and wide operating range.



Figure 3.3: Energy efficiency rating (21 SEER2) and potential energy cost savings.

4. Setup and Installation

The TOSOT Mini Split system requires professional installation. While the system is designed for ease of installation, specific technical knowledge and tools are necessary to ensure proper function, safety, and warranty validity. The system includes a 16.4-foot copper line set for connection between the indoor and outdoor units. A power cord is not included and must be sourced separately according to local electrical codes.

Package Contents:

Verify that all components are present before beginning installation. The system typically ships in multiple packages.

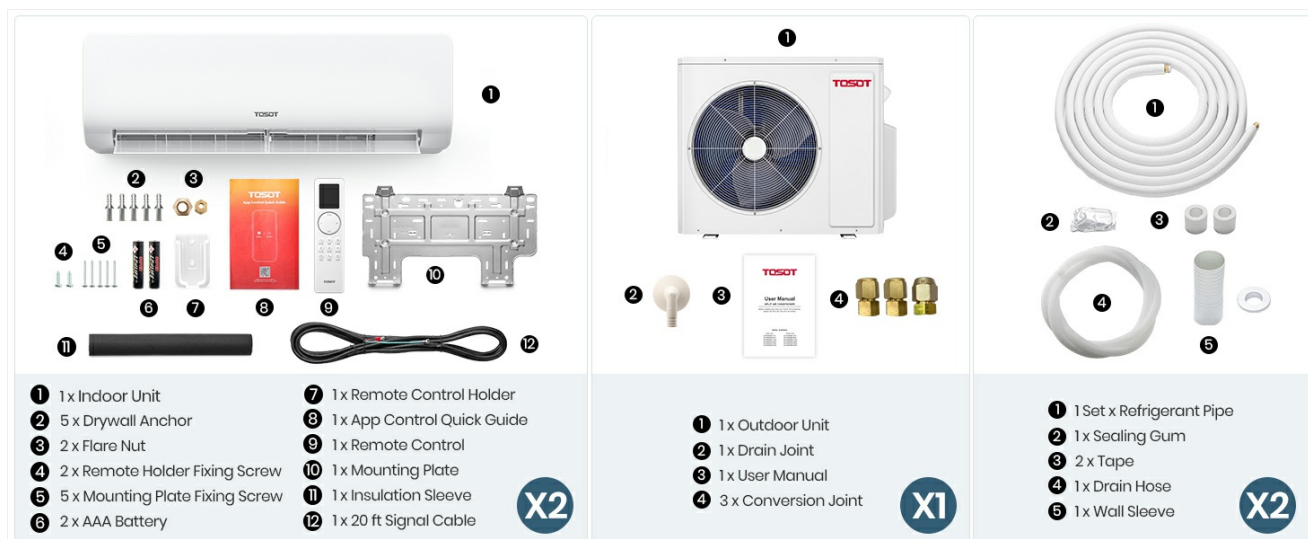
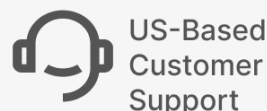


Figure 4.1: Overview of typical package contents for indoor units, outdoor unit, and accessories.

FROM QUALITY TO SERVICE, WE'VE GOT YOU COVERED



NOTE

Every unit set may be shipped in multiple packages or on pallets, possibly at different times.

Figure 4.2: Important note regarding multi-package shipments.

Installation Steps (Summary - Consult Professional Installer):

- Site Selection:** Choose appropriate locations for both indoor and outdoor units, ensuring proper clearances, structural support, and drainage.
- Mounting:** Securely mount indoor units to walls and the outdoor unit on a stable pad or wall bracket.
- Refrigerant Line Connection:** Connect the copper line sets between the indoor and outdoor units. Ensure proper flaring and torque.
- Drainage:** Install condensate drain lines with proper slope to ensure efficient water removal.
- Electrical Wiring:** Connect power and communication wiring according to the wiring diagram provided in the full installation manual and local electrical codes.
- Vacuumping and Leak Test:** Evacuate the refrigerant lines to remove air and moisture, then perform a leak test.
- Refrigerant Charge:** Release the factory charge or add additional refrigerant if necessary, based on line set length.
- Test Run:** Perform a test run to verify proper operation in all modes.

5. Operating Instructions

Your TOSOT Mini Split system offers various modes and control options for optimal comfort.

Control Methods:

- **Remote Control:** Each indoor unit comes with a dedicated wireless remote control for direct adjustments.
- **Gree+ App:** Download the Gree+ app to your smartphone for remote control, scheduling, and monitoring of your system via Wi-Fi.
- **Voice Control:** Integrate with compatible smart home devices (e.g., Google Assistant) for hands-free operation.



Figure 5.1: Smart control via the Gree+ app and remote control.

Operating Modes:



Figure 5.2: Visual representation of the four primary operating modes.

- **Cooling Mode:** Reduces room temperature to your desired setting.
- **Heating Mode:** Increases room temperature using the heat pump function.
- **Fan Mode:** Circulates air without heating or cooling. Fan speed can be adjusted.
- **Dehumidifying Mode:** Reduces humidity levels in the room.
- **Auto Mode:** The system automatically selects the appropriate mode (cooling or heating) based on the ambient temperature and your set point.

Setting Temperature and Fan Speed:

Use the remote control or Gree+ app to adjust the desired temperature for each indoor unit. Fan speed can typically be set to Auto, Low, Medium, or High. For optimal comfort and energy efficiency, avoid setting extreme temperatures.

6. Maintenance

Regular maintenance ensures the longevity and efficient operation of your TOSOT 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 2-4 weeks, or more frequently depending on usage and air quality. Open the front panel of the indoor unit, remove the filters, and wash them with lukewarm water and mild detergent. Allow them to dry completely before reinserting.
- **Unit Surface Cleaning:** Wipe the indoor unit's exterior with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

Outdoor Unit Maintenance:

- **Coil Cleaning:** Periodically inspect the outdoor unit's condenser coils for dirt, leaves, and other debris. Gently clean with a soft brush or rinse with a garden hose. Avoid bending the fins.
- **Clearances:** Ensure that the area around the outdoor unit remains clear of obstructions to allow for proper airflow.
- **Professional Inspection:** It is recommended to have a qualified HVAC technician perform an annual inspection and tune-up of the entire system.

7. Troubleshooting

Before contacting customer support, review the following common issues and their potential solutions.

Problem	Possible Cause	Solution
Unit does not turn on	No power, circuit breaker tripped, remote control batteries dead.	Check power supply, reset circuit breaker, replace remote batteries.
Insufficient cooling/heating	Dirty air filters, blocked outdoor unit, incorrect mode/temperature setting, low refrigerant.	Clean air filters, clear obstructions from outdoor unit, verify settings, contact technician for refrigerant check.
Unusual noise	Loose parts, fan obstruction, refrigerant flow noise (normal).	Inspect for loose parts, remove obstructions. If noise persists or is abnormal, contact technician.
Water leakage from indoor unit	Clogged drain line, improper installation.	Check and clear drain line. If issue persists, contact technician for inspection.
Wi-Fi connectivity issues	Router issues, incorrect app settings, unit too far from router.	Restart router, reconfigure Wi-Fi settings in Gree+ app, ensure strong Wi-Fi signal.

For issues not listed here or if solutions do not resolve the problem, please contact TOSOT customer support.

8. Specifications

Detailed technical specifications for the TOSOT 30,000 BTU Dual 2 Zone Mini Split Air Conditioner with Heat Pump, Model TST-MZ-C30-D1218-02.

Feature	Specification
Brand Name	TOSOT

Feature	Specification
Model Info	TST-MZ-C30-D1218-02
Product Dimensions	40.2 x 16.8 x 32.52 inches (Outdoor Unit)
Efficiency	21 SEER2
Capacity	30,000 BTU (Outdoor Unit), 12,000 BTU + 18,000 BTU (Indoor Units)
Cooling Power	28400 British Thermal Units
Noise Level	63 Decibels (Outdoor Unit)
Installation Type	Split System
Form Factor	Split System
Special Features	Google Assistant, WiFi Enabled
Color	White
Voltage	230 Volts
Refrigerant Type	R32



Figure 8.1: Dimensional drawings for various indoor and outdoor unit sizes.

9. Warranty and Support

TOSOT is committed to providing quality products and customer satisfaction.

Warranty Information:

This TOSOT Mini Split system typically comes with a 5-year warranty. Please refer to the warranty card included with your product or visit the official TOSOT website for complete warranty terms and conditions. Keep your proof of purchase for warranty claims.

Customer Support:

For technical assistance, troubleshooting, or warranty service, please contact TOSOT's US-based customer support team. Have your model number (TST-MZ-C30-D1218-02) and purchase date ready when you call.

FROM QUALITY TO SERVICE, WE'VE GOT YOU COVERED



20+ Years of
Manufacturing
Experience



Secure
Packaging



US-Based
Customer
Support



NOTE

Every unit set may be shipped in multiple packages or on pallets, possibly at different times.

Figure 9.1: Commitment to quality and customer service.

You can find more information and contact details on the [TOSOT Brand Store on Amazon](#).