

## Della 048-TP-12K2V-24S-I+O

# DELLA Hyper Heat Mini Split User Manual

Model: 048-TP-12K2V-24S-I+O

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your DELLA Hyper Heat 12,000 BTU WiFi Mini Split system. Please read this manual thoroughly before installation and use, and keep it for future reference.



Figure 1.1: DELLA Hyper Heat Mini Split System, showing the indoor unit, outdoor condenser, remote control, and mobile app interface.

## 2. SAFETY INFORMATION

**WARNING:** This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

For your safety, always adhere to the following precautions:

- **Professional Installation Required:** This mini split system mandates professional installation. It is not designed for DIY installation. Improper installation can lead to electric shock, fire, water leakage, or other damage.
- **Electrical Safety:** Ensure the power supply matches the unit's requirements (230V). All electrical work must be performed by a qualified electrician in accordance with local and national electrical codes.
- **Refrigerant Handling:** The system contains pre-charged refrigerant (R-454B). Handling of refrigerant and any alteration of line-set length that requires adjusting freon levels must be done by certified personnel. Line-set vacuuming is required during installation.
- **Clearances:** Maintain adequate clearances around both indoor and outdoor units for proper airflow and maintenance.
- **Children and Pets:** Keep children and pets away from the unit during operation and maintenance.

### 3. PRODUCT OVERVIEW AND COMPONENTS

Your DELLA Hyper Heat Mini Split system consists of an indoor unit, an outdoor unit, and various installation accessories. Understanding these components is crucial for proper setup and operation.



Figure 3.1: Diagram illustrating the main components included with the DELLA Hyper Heat Mini Split system, such as the indoor unit, outdoor unit, refrigerant pipe, remote control, and installation accessories.

#### Key Features:

- **Hyper Heat Performance:** Operates effectively in temperatures as low as -13°F (-25°C).
- **High Efficiency:** 24 SEER2 and 9.5 HSPF2 ratings for energy savings.
- **Smart Control:** WiFi enabled with Della+ app and compatible with Amazon Alexa.
- **Quiet Operation:** Noise levels as low as 27 dB(A) in mute mode.
- **Gold Plated FIN Technology:** Prevents freezing and rust corrosion, enhancing durability and heat efficiency.

## 4. INSTALLATION GUIDE

Installation of the DELLA Hyper Heat Mini Split system requires specialized tools and knowledge. It is strongly recommended that installation be performed by a certified HVAC professional.

### 4.1 Pre-Installation Checks

- Verify that the installation location meets all clearance requirements for both indoor and outdoor units.
- Ensure the electrical supply is appropriate for the unit (230V) and a dedicated circuit is available.
- Confirm all components listed in the packing list are present and undamaged.

### 4.2 Installation Kit

The system comes with a full installation kit, including a 16.4ft pre-flared and insulated copper line set (standard size 1/4" & 3/8" outer dimension copper pipes). Additional tools and materials may be required by your professional installer.

### 4.3 Key Installation Steps (Professional Only)

1. Mount the indoor unit using the provided mounting plate.
2. Drill a hole through the wall for the refrigerant lines, drain hose, and communication cable.
3. Connect the refrigerant lines between the indoor and outdoor units. Ensure connections are secure and leak-free.
4. Perform a thorough vacuuming of the line set to remove air and moisture. This step is critical for system performance and longevity.
5. Connect the electrical wiring between the indoor and outdoor units, and to the main power supply.
6. Install the outdoor condenser unit on a stable, level surface or a wall-mount bracket.
7. Check refrigerant levels and adjust if the line set length has been altered from the standard 16.4ft.
8. Test the system in all modes to ensure proper operation.

## 5. OPERATION

Your DELLA Hyper Heat Mini Split offers multiple modes and smart features for optimal climate control.

### 5.1 Operating Modes

The system provides 6 primary operating modes:

- **Cooling:** For cooling the room.
- **Heating:** For heating the room, functional down to -13°F (-25°C).
- **Dry (Dehumidifying):** Reduces humidity in the air.
- **Auto:** Automatically selects cooling or heating based on the set temperature and room temperature.
- **Fan:** Circulates air without cooling or heating.
- **Dehumidifying:** Specifically for moisture removal.

### 5.2 Remote Control

The included remote control allows full command over your mini split. Ensure 2 AAA batteries are installed.



# Stay Cool ! Award-Winning Control



Figure 5.1: Remote control layout with labeled buttons for various functions such as mode selection, fan speed, temperature adjustment, and special features.

## 5.3 Smart Features (Della+ App & Alexa)

Control your unit conveniently via the Della+ app on your smartphone or through Amazon Alexa.

- **Della+ App:** Download the Della+ app from your device's app store. Follow the in-app instructions to connect your mini split. The app provides comprehensive control, including scheduling, timer functions, and monitoring.
- **Alexa Compatibility:** Enable the Della skill in your Alexa app to use voice commands for basic functions like turning the unit on/off, adjusting temperature, and changing modes.
- **Eco Energy Saving Mode:** Optimizes operation for reduced energy consumption.
- **Sleep Mode:** Adjusts temperature automatically during sleep for comfort and energy efficiency.
- **Timer Function:** Set specific times for the unit to turn on or off.
- **I Feel Mode:** The remote control's built-in sensor measures the ambient temperature and transmits it to the indoor unit, allowing the unit to adjust its operation for optimal comfort around the remote.
- **4D Airflow:** Allows for multi-directional airflow adjustment for even temperature distribution.

# We work remotely, too.

## Use Our Smart App For Complete Wireless Control.



Figure 5.2: Screenshots of the Della+ mobile application interface, demonstrating various control options such as mode selection, fan speed, timer settings, and scheduling.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and efficient performance of your mini split system.

### 6.1 Filter Cleaning

The reusable filters in the indoor unit should be cleaned seasonally, or more frequently depending on usage and air quality.

1. Turn off the unit and disconnect power before cleaning.
2. Open the front panel of the indoor unit.
3. Remove the air filters.
4. Clean the filters using a vacuum cleaner or wash them with lukewarm water and a mild detergent.
5. Allow filters to dry completely before reinstalling.
6. Close the front panel securely.

## 6.2 Outdoor Unit Maintenance

- Keep the area around the outdoor unit clear of debris, leaves, and snow to ensure proper airflow.
- Periodically inspect the outdoor coil for dirt buildup. If necessary, gently clean with a soft brush or water hose (ensure power is off).
- The unit features Gold Plated FIN technology, which helps prevent rust corrosion and enhances durability, reducing the need for frequent coil cleaning.

## 6.3 Professional Servicing

It is recommended to have your system professionally inspected and serviced annually to ensure optimal performance and address any potential issues.

## 7. TROUBLESHOOTING

This section provides solutions for common issues you might encounter. For problems not listed here, or if solutions do not resolve the issue, contact customer support.

Problem	Possible Cause	Solution
Unit does not turn on	No power supply; 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; Room size exceeds capacity.	Clean air filters; Clear obstructions from outdoor unit; Select correct mode; Ensure unit matches room size (up to 550 sq.ft.).
Unusual noise	Loose parts; Unit not level; Fan obstruction.	Check for loose components; Ensure unit is level; Remove any fan obstructions. If noise persists, contact professional service.
Della+ app connectivity issues	Weak Wi-Fi signal; Incorrect network settings; App requires update.	Ensure strong Wi-Fi signal; Reconfigure network settings in app; Update Della+ app to latest version.
Water leakage from indoor unit	Clogged drain hose; Improper installation.	Check and clear drain hose; Contact professional installer for inspection.

## 8. SPECIFICATIONS

Detailed technical specifications for the DELLA Hyper Heat Mini Split (Model: 048-TP-12K2V-24S-I+O).

**Model Number**  
048-TP-12K2V-24S

**Cooling Capacity**  
12000 Btu/h

**Heating Capacity**  
12600 Btu/h

**Power Supply**  
208/230V~/60Hz/1PH

**Max Input Power**  
970 W

**Air Flow Volume**  
850 m³/h

**Max. Fuse size**  
15 A



Figure 8.1: Diagram showing the dimensions of both the indoor and outdoor units, along with key performance specifications.

Specification	Value
Model Number	048-TP-12K2V-24S-I+O
Cooling Capacity	12,000 BTU/h
Heating Capacity	12,600 BTU/h
Power Supply	208/230V - 60Hz/1PH
Max Input Power	970 W
Air Flow Volume	850 m³/h
Max. Fuse Size	15 A
SEER2 Rating	24
HSPF2 Rating	9.5



Specification	Value
Refrigerant	R-454B
Indoor Unit Dimensions (W x D x H)	36.22 x 7.68 x 12.05 inches
Outdoor Unit Dimensions (W x D x H)	31.88 x 12.00 x 21.63 inches
Item Weight	82.2 pounds
Sound Level (Indoor)	30 dB (Mute Mode: 27 dB)
Applicable Area	Up to 550 sq. ft.

## 9. WARRANTY AND SUPPORT

DELLA is committed to providing reliable products and excellent customer service.

### 9.1 Lifetime Warranty

Your DELLA Hyper Heat Mini Split system is backed by a lifetime warranty, providing peace of mind regarding your investment. Please refer to the warranty card included with your product for specific terms and conditions.

### 9.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact DELLA customer support. Support is available via phone and live chat.

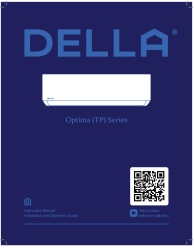
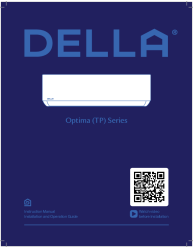

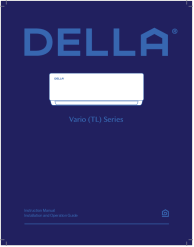

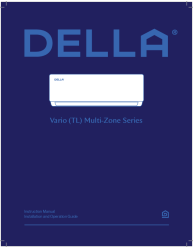
- **Phone Support:** 6 AM - 4 PM PST (Monday - Friday)
- **Live Chat:** 24/7

You can also find additional resources and frequently asked questions on the official Della website or through the Della+ app.

For additional documentation, you may refer to the official PDF user guides:

- [User Manual \(PDF\)](#)
- [User Guide \(PDF\)](#)



	<p><a href="#">DELLA Optima (TP) Series Air Conditioner: Installation and Operation Manual</a></p> <p>Comprehensive guide for installing and operating DELLA Optima (TP) Series mini-split air conditioners, covering safety, installation, operation, maintenance, and troubleshooting.</p>
	<p><a href="#">Della Optima (TP) Series Air Conditioner Installation and Operation Manual</a></p> <p>Comprehensive guide for the installation and operation of the Della Optima (TP) Series air conditioner, covering safety precautions, installation steps, and operational features for optimal performance.</p>
	<p><a href="#">DELLA Versa (TL) Series Air Conditioner: Installation and Operation Manual</a></p> <p>This official manual provides essential guidance for the proper installation and operation of your DELLA Versa (TL) Series air conditioner. It covers pre-installation checks, installation steps, operation modes, maintenance, and troubleshooting.</p>
	<p><a href="#">Della Vario (TL) Series Air Conditioner Installation and Operation Manual</a></p> <p>Comprehensive guide for installing and operating the Della Vario (TL) Series air conditioner. Covers safety precautions, parts identification, installation steps, basic and advanced functions, and troubleshooting.</p>
	<p><a href="#">DELLA Air Conditioner Operations Manual: Usage, Maintenance, and Troubleshooting Guide</a></p> <p>This operations manual from DELLA provides detailed instructions for using, maintaining, and troubleshooting DELLA air conditioning units. It covers safety, specifications, remote control, various modes, Wi-Fi app features, and care tips.</p>
	<p><a href="#">Della Vario (TL) Multi-Zone Series Installation and Operation Guide</a></p> <p>Comprehensive instruction manual and installation guide for the Della Vario (TL) Multi-Zone Series air conditioning units. Covers safety precautions, installation steps, operation, maintenance, and troubleshooting.</p>