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› DELLA Vario Series 18000 BTU Wifi Mini Split AC User Manual

DELLA 048-TL-18K2V-19S-I+O

DELLA Vario Series 18000 BTU Wifi Mini Split AC User Manual

Model: 048-TL-18K2V-19S-I+O | Brand: Della

INTRODUCTION

Welcome to the DELLA Vario Series 18000 BTU Wifi Mini Split AC user manual. This document provides essential information for the safe and efficient operation, installation, and maintenance of your new air conditioning and heating system. Please read this manual thoroughly before installation and use, and keep it for future reference.

The DELLA Vario Series mini split system offers energy-efficient cooling and heating, smart control features, and quiet operation, designed to provide optimal comfort in your home or office space.



Image: DELLA Vario Series 18000 BTU Wifi Mini Split AC system components.

PRODUCT OVERVIEW

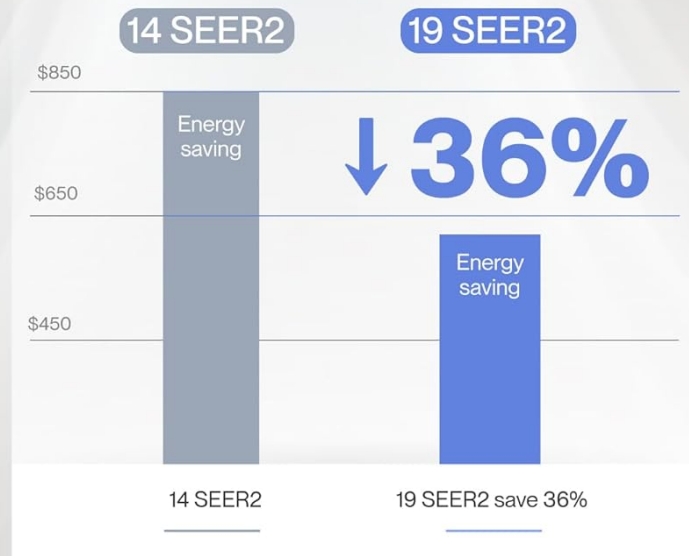
The DELLA Vario Series 18000 BTU Mini Split AC is a ductless inverter system with a heat pump, designed for efficient climate control. Key features include:

- **Energy Efficient Cooling & Heating:** 18000 BTU/h, 19 SEER2, 208-230V, ETL Listed, AHRI Certified. Features DC Inverter technology for up to 30% power savings.
- **Ample Coverage:** Cools and heats up to 1000 Sq. Ft, operating in temperatures as low as -4°F.
- **Smart Functions:** 4D air flow (up-down, left-right), I Feel mode, 24-hour timer, sleep mode, eco energy saving mode, multiple fan speeds, turbo function, heating, cooling, and dry modes.
- **Smart Sensor & Installation:** Remote control senses room temperature for optimal comfort and energy savings. Professional installation is required.
- **Quiet Operation:** Operates at an ultra-silent 50 dBa.

19 SEER2

Cool more, lower energy usage

Powered by
MightyAir X



*Base on 2,000 hours compared to government SEER2 requirements.

Image: Energy Efficiency Comparison (19 SEER2).

Stay Cool ! Award-Winning Control



reddot winner 2025

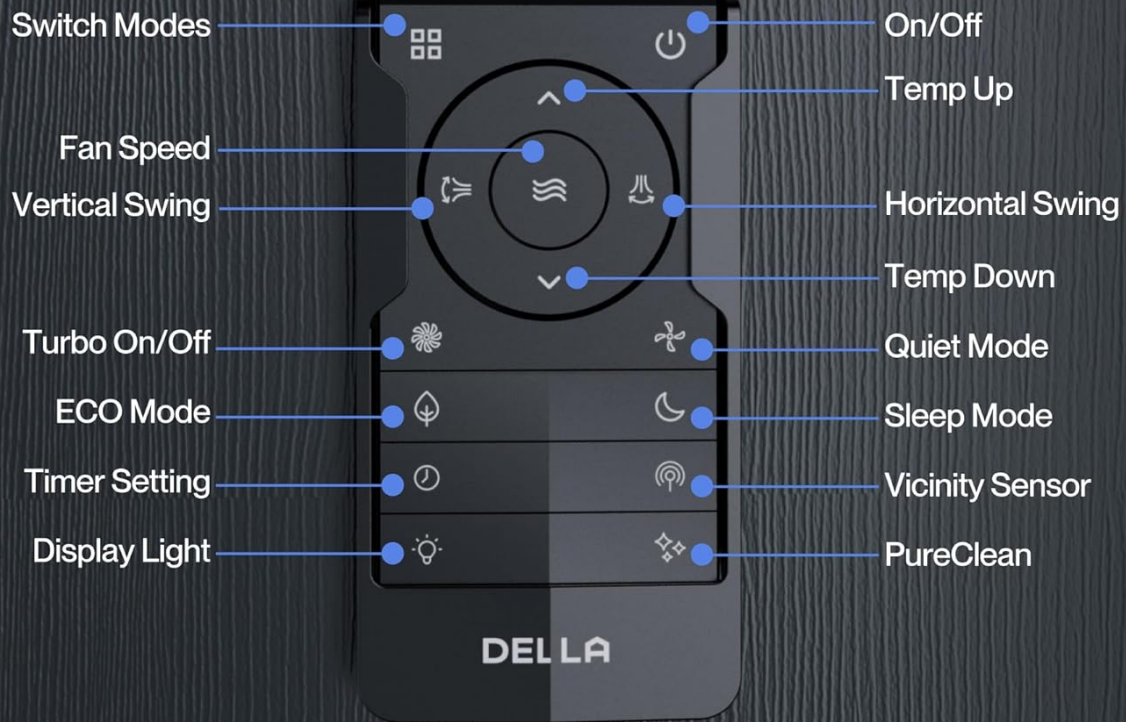


Image: Remote Control Layout with various function buttons.



Image: Exploded view of DELLA Mini Split AC components and installation kit.

SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and longevity of your DELLA Mini Split AC. It is highly recommended that this system be installed by a qualified professional.

Pre-Installation Considerations:

- **Location:** Ensure the indoor unit is at least 6 inches below the ceiling for proper airflow. The outdoor unit should be spaced away from the wall, with no plants or objects within 3 feet.
- **Wall Strength:** Verify the wall is sturdy enough to hold the unit's weight without vibration.
- **Clearance:** Keep the air inlet and outlet clear of any obstructions.
- **Interference:** Install the indoor unit at least 10 feet (3 meters) away from TVs or radio appliances to prevent interference.
- **Piping:** Handle refrigerant pipes carefully to avoid damage. Bend pipes slowly if a bending tool is not available. Ensure the drain pipe is angled downward for proper liquid flow.

- **Vacuumping:** Vacuum pumping the refrigerant circuit is critical to remove air and moisture for maximum efficiency. Vacuum for at least 15 minutes per line set. For multi-zone systems, vacuum each line set separately. Aim for 500 microns with a micron gauge or -30 PSI with a manifold gauge.
- **Refrigerant:** Add refrigerant if the line set exceeds 25 feet.
- **Electrical:** Ensure a safe electrical connection. Check your home's voltage (110V or 220V) and select the appropriate UL-listed breaker and wire for the mini split system.

Installation Steps:

1. Use the provided template to mark locations for the line set wall hole and mini split bracket.
2. Use provided screws to drill and securely attach the mini split bracket to the wall.
3. Use a leveler to ensure the bracket is properly leveled.
4. Run the line set, drain hose, and electrical wires through the wall hole.
5. Mount the mini split unit onto the bracket.
6. Tape the drain hose and line sets together for a neat and organized installation.
7. Use zip ties to secure the electrical wires around the taped line sets and drain hose.
8. Set the outdoor condenser in its designated place.
9. Remove electrical port and valve covers on the outdoor unit.
10. Connect the unit line set to the condenser line set and tighten down securely. Use a digital torque wrench if available to ensure proper tightening.
11. Plug in the ground (green) wire first, then continue with the corresponding numbered wires (black, white, and yellow wires are numbered; connect to correlating numbers on the electrical block).
12. Ensure the outlet box is powered off before continuing with electrical connections.
13. Plug in the ground (green) wire first, then continue with the Leg (black) and Neutral (red) wires on the outdoor condenser.
14. Ensure you are using the correct adapter and connect it to the unit.
15. Connect the hose from the unit to the gauge.
16. Correctly connect the hose from the vacuum to the gauge.
17. Open valves on the gauge and turn the vacuum on.
18. Pay attention to the micron number; close valves once it reaches 350.
19. Turn off the vacuum.
20. Turn the outlet back on.
21. Turn the mini split unit on and set it to the lowest cold setting.
22. Wait for the outdoor condenser fan to start (this process could take a few minutes).
23. Use a service wrench and slowly open the High Side (Top Valve). Pay attention to the gauge as numbers will drop in the negative when opening the High Side.
24. After the High Side has been opened, quickly open the Low Side (Bottom Valve). Pay attention to the gauge as the numbers will spike (This is a Good Thing).

Installation Videos:

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Video: DELLA Mini Split Air Conditioner Overview. This video provides a general overview of the DELLA Mini Split Air Conditioner.

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Video: How to wire your Della mini split unit. This video demonstrates the correct wiring procedure for your Della mini split unit.

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Video: 5 Urgent Steps Need to Know Before Installing Della Mini Split. This video highlights crucial steps and considerations before installing your Della mini split system.

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Video: Install Your DELLA Mini Split Unit. This video provides a step-by-step guide on how to install your DELLA Mini Split Unit.

OPERATING INSTRUCTIONS

Your DELLA Vario Series Mini Split AC can be controlled via the included remote control or through the Della+ smart app.

Remote Control Operation:

Refer to the remote control layout image in the Product Overview section for button functions. Common functions include:

- **On/Off:** Power the unit on or off.
- **Mode:** Switch between cooling, heating, dry (dehumidifying), fan-only, and auto modes.
- **Temp Up/Down:** Adjust the desired temperature.
- **Fan Speed:** Select from multiple fan speeds (e.g., quiet, low, mid, high, turbo).
- **Swing:** Control vertical and horizontal airflow direction.
- **Sleep Mode:** Activates a whisper-quiet operation (as low as 22dB) and adjusts temperature according to a scientific curve for optimal sleep comfort.
- **Timer:** Set a 24-hour timer for automatic on/off operation.
- **ECO Mode:** Energy-saving mode for reduced power consumption.
- **I Feel Mode:** The remote control senses the room temperature, adjusting airflow and temperature for personalized comfort.

Della+ Smart App Control:

The Della+ app provides complete wireless control and smart features:

- **Remote Control:** Adjust temperature, mode, fan speed, and airflow from anywhere.
- **Smart Geo Location:** Automatically turns the AC on or off based on your location.
- **Scheduling:** Set daily schedules for operation.
- **Voice Control:** Compatible with Alexa and Google Assistant for hands-free operation.

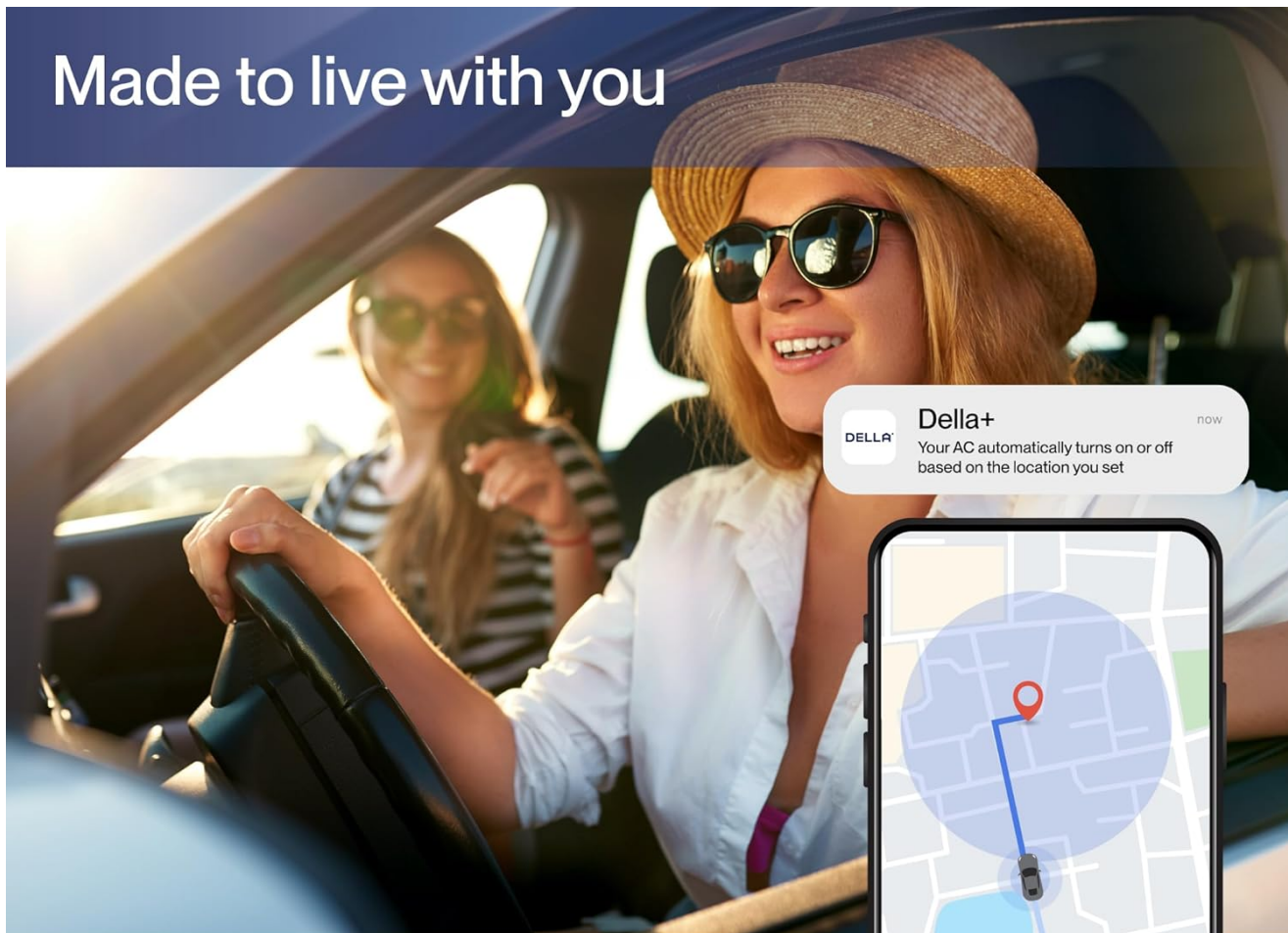
We work remotely, too.

Use Our Smart App For Complete Wireless Control.



Image: Della+ Smart App Interface for remote control.

Made to live with you



Smart Geo Location

Only Della+ allows you to experience unique automatic smart AC controls based on your location, even hands-free while driving.

Image: Smart Geo Location feature in action.

MAINTENANCE

Regular maintenance ensures the efficiency and longevity of your DELLA Mini Split AC. Always turn off the power to the unit before performing any maintenance.

- **Filter Cleaning:** Clean the air filters regularly (every 2-4 weeks, depending on usage) to maintain optimal airflow and air quality. Refer to your user manual for specific instructions on removing and cleaning filters.
- **Coil Cleaning:** The PureClean tech helps prevent dust buildup and defrosts the indoor unit. However, periodic professional cleaning of indoor and outdoor coils is recommended.
- **Drain Hose Check:** Ensure the drain hose is clear of obstructions and properly angled to prevent water leakage.
- **Outdoor Unit:** Keep the outdoor unit clear of debris, leaves, and other obstructions. Ensure proper airflow around the unit.
- **Gold Plated Fin:** The gold plated fin prevents rust corrosion, contributing to durable and efficient mini-split performance.

TROUBLESHOOTING

If you encounter issues with your DELLA Mini Split AC, refer to the common troubleshooting tips below. For complex problems, contact professional support.

Problem	Possible Cause	Solution
Unit does not turn on.	No power, remote control batteries dead, circuit breaker tripped.	Check power supply, replace remote batteries, reset circuit breaker.
Insufficient cooling/heating.	Dirty air filters, blocked outdoor unit, low refrigerant, incorrect mode setting.	Clean filters, clear obstructions, check refrigerant levels (professional), verify mode.
Unusual noise.	Loose parts, fan obstruction, normal operating sounds (e.g., refrigerant flow).	Check for loose parts, clear obstructions, consult manual for normal sounds.
Water leakage from indoor unit.	Blocked drain hose, improper installation angle.	Clear drain hose, ensure proper unit leveling and drain hose angle.
Remote control not working.	Dead batteries, obstruction between remote and unit, remote out of range.	Replace batteries, remove obstructions, operate within range.

SPECIFICATIONS

Feature	Detail
Model Info	048-TL-18K2V-19S-I+O
Cooling Power	18000 British Thermal Units
Heating Capacity	19600 BTU/h
SEER2 Efficiency	19.0
Voltage	230 Volts
Noise Level	50 dB
Coverage Area	Up to 1000 Sq. Ft
Operating Temperature (Heat Pump)	Down to -4°F (-20°C)
Installation Type	Split System
Special Features	Remote Controlled, Alexa and WiFi Enabled, Fast Cooling and Heating, Dehumidifier
Item Weight	76 pounds
Product Dimensions (Indoor Unit)	39.76 x 8.66 x 12.4 inches
Product Dimensions (Outdoor Unit)	30.74 x 13.74 x 23.81 inches



Image: Detailed dimensions of the indoor and outdoor units.

WARRANTY AND SUPPORT

DELLA offers unmatched support and warranty coverage for your peace of mind.

- **Lifetime Coverage:** The product comes with a lifetime warranty.
- **Customer Support:** For any questions or assistance, contact DELLA customer support.

You can reach customer support via:

- **Phone Support:** (800) 863-4143, Monday-Friday, 6am-4pm PST.
- **Live Chat:** 24/7 support available.

Image: Lifetime Coverage and Customer Support details.

