

## Manuals+

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

manuals.plus /

> [Della](#) /

> [DELLA Umbra Series 9000 BTU WiFi Mini Split AC with Heat Pump - User Manual](#)

## Della 9K1VR-19S-JPB-I+O

# DELLA Umbra Series 9000 BTU WiFi Mini Split AC with Heat Pump

User Manual - Model: 9K1VR-19S-JPB-I+O

Brand: Della

## 1. INTRODUCTION

Thank you for choosing the DELLA Umbra Series 9000 BTU WiFi Mini Split AC with Heat Pump. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your unit. Please read this manual thoroughly before installation and use, and retain it for future reference.

### Important Safety Information

This appliance is designed for professional installation only. Attempting DIY installation without proper qualifications may result in injury, property damage, or voiding the warranty. Always consult a qualified HVAC technician for installation and complex maintenance tasks.

- Ensure the power supply matches the unit's specifications.
- Do not block air inlets or outlets.
- Keep children and pets away from the outdoor unit.
- Turn off power before any maintenance or cleaning.
- Use only specified refrigerants (R32).

## 2. PRODUCT OVERVIEW

The DELLA Umbra Series Mini Split AC is an energy-efficient system designed for cooling and heating spaces up to 450 sq.ft. It features WiFi connectivity, Alexa compatibility, and a heat pump for year-round comfort.

### Key Features:

- **Energy Efficient:** 19 SEER2 rating with DC Inverter technology for up to 30% power savings.

- **Smart Functions:** 4D airflow (up-down, left-right), I Feel mode, 24-hour timer, sleep mode, eco energy-saving mode, multiple fan speeds, turbo function.
- **Smart Sensor:** Remote control senses room temperature for optimal comfort and energy savings.
- **Quiet Operation:** Operates at an ultra-silent 42 dBa.
- **Wide Coverage:** Cools and heats up to 450 sq.ft, operating in temperatures as low as 19°F.
- **R32 Refrigerant:** Uses environmentally friendly R32 refrigerant.

### Components Diagram:

# Lifetime Coverage

## Unmatched Warranty Gives You Peace of Mind



  
Best In-Class

  
No Additional Costs

  
Customer Support

Figure 2.1: Main components included with the DELLA Umbra Series Mini Split AC.

### Product View:



Figure 2.2: DELLA Umbra Series 9000 BTU WiFi Mini Split AC.

### 3. SETUP AND INSTALLATION

**Professional installation is mandatory for this system.** This is not a DIY mini split AC. Line-set vacuuming is required during installation. Any alteration of line-set length requires adjusting freon levels. Please consult a qualified HVAC professional for proper installation to ensure safety and optimal performance.

#### Installation Overview Video:

Your browser does not support the video tag.

*Video 3.1: General guidance on installing your DELLA Mini Split AC unit. This video is for informational purposes only; professional installation is required.*

#### Key Installation Steps (Summary):

1. **Marking Locations:** Use the provided template to mark the locations for the line set wall hole and the mini

split bracket.

2. **Mounting Bracket:** Securely attach the mini split bracket to the wall using the provided screws. Ensure the bracket is properly leveled.
3. **Routing Lines:** Route the line set, drain hose, and electrical wiring through the wall opening.
4. **Mounting Indoor Unit:** Securely mount the indoor mini split unit onto the bracket.
5. **Taping Lines:** Tape the drain hose and line sets together for a neat and organized installation.
6. **Securing Electrical Wires:** Use zip ties to secure the electrical wires around the taped line sets and drain hose.
7. **Positioning Outdoor Condenser:** Place the outdoor condenser unit in its designated location.
8. **Connecting Line Set:** Connect the unit line set to the condenser line set and tighten down firmly. Use a digital torque wrench if available to ensure proper tightening according to specifications.
9. **Electrical Connections:** Connect the electrical wires (red, black, green ground) to their corresponding terminals on the condenser unit. Each wire is designated with a specific letter and number.
10. **Vacuumping the System:** Connect a vacuum pump to the system via a gauge. Open the valves on the gauge and activate the vacuum. Monitor the micron reading closely and close the valves once it reaches 350 microns. Turn off the vacuum pump.
11. **Restoring Power:** Restore power to the outdoor unit.
12. **Initiating Cooling:** Turn on the mini split unit and set it to the lowest cold setting. Allow a few minutes for the outdoor condenser fan to initiate.
13. **Opening Valves:** Gradually open the high side (top) valve using a service wrench. Monitor the gauge as readings will decrease into the negative range. After the high side valve is open, promptly open the low side (bottom) valve. Monitor the gauge closely as the readings will increase, which is expected.

Your DELLA mini split unit installation is complete once these steps are followed and the unit is operating correctly.

### Installation Preview Video:

Your browser does not support the video tag.

*Video 3.2: A short preview of the DELLA Mini Split AC installation process, highlighting key steps.*

## 4. OPERATING INSTRUCTIONS

---

Your DELLA Umbra Series Mini Split AC can be controlled via the included remote control, the Della+ mobile app, or voice commands through Alexa.

### Remote Control:



Figure 4.1: DELLA Mini Split AC Remote Control.

Use the remote control to adjust temperature, select operating modes, set fan speed, and activate special functions like Sleep Mode or Turbo. Refer to the remote control's specific instructions for detailed button functions.

### Della+ Mobile App:

The Della+ app allows you to control your unit remotely, set schedules, and utilize smart features like Geo-Location.

Your browser does not support the video tag.

Video 4.2: Learn how to set up and customize Geo-Location using the Della+ App for smart AC controls.

Your browser does not support the video tag.

Video 4.3: A short preview demonstrating the features and interface of the Della+ App.



Figure 4.2: Della+ App Interface.

- **Download:** Search for "Della+" in your mobile app store.
- **Pairing:** Follow the in-app instructions to pair your device with the AC unit.
- **Modes:** Select from Cool, Heat, Dry (dehumidify), Fan Only, or ECO mode.
- **Fan Speed:** Adjust fan speed from Quiet, Low, Mid, High, to Turbo.
- **Airflow:** Control vertical and horizontal oscillation for optimal air distribution.
- **Scheduling & Timer:** Set weekly schedules or countdown timers for automatic operation.
- **Geo-Location:** Configure automatic AC control based on your location.

### Voice Control (Alexa):

The unit seamlessly integrates with Amazon Alexa for convenient voice control. Ensure your Della+ app is linked to your Alexa account.

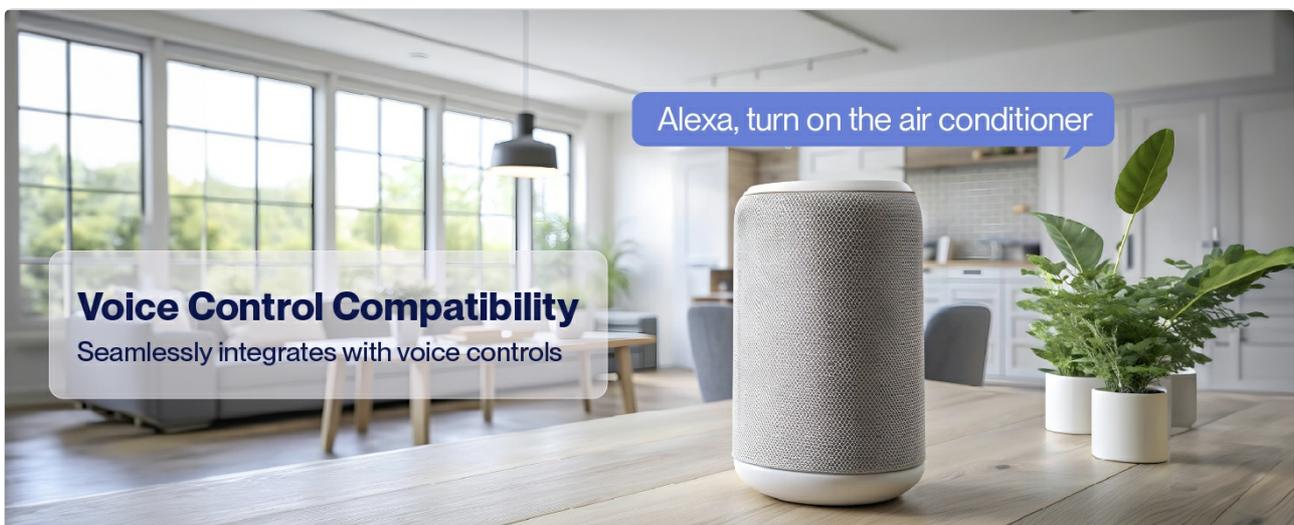


Figure 4.3: Voice Control Compatibility with Alexa.

## 5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your DELLA Mini Split AC unit. Always disconnect power before performing any maintenance.

### Filter Cleaning:

The indoor unit features washable air filters. Clean them every two weeks or more frequently depending on usage and air quality.

1. Open the front panel of the indoor unit.
2. Remove the air filters.
3. Wash the filters with lukewarm water and a mild detergent.
4. Rinse thoroughly and allow them to air dry completely before reinserting.
5. Close the front panel.

### Indoor Unit Cleaning:

Wipe the indoor unit's surface with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. The unit also features PureClean tech to prevent dust buildup and defrost the indoor unit, contributing to cleaner air.



Figure 5.1: Internal view of the indoor unit highlighting PureClean technology.

### Outdoor Unit Cleaning:

Periodically clean the outdoor unit's coils and fins to remove dirt, leaves, and debris. Use a soft brush or vacuum cleaner. Ensure the area around the outdoor unit is clear of obstructions for proper airflow.

Powered by  
MightyAir X

Top Performance,  
Energy-Smart Design!

**36%** More efficient  
energy saving

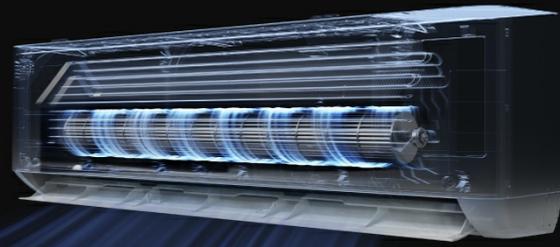


Figure 5.2: Outdoor unit with gold-plated fins for corrosion prevention.

## 6. TROUBLESHOOTING

Before contacting customer support, please review the following common issues and solutions:

Problem	Possible Cause	Solution
Unit does not start.	No power, circuit breaker tripped, remote control batteries low.	Check power supply, reset circuit breaker, replace remote batteries.
Insufficient cooling/heating.	Dirty air filters, blocked outdoor unit, incorrect mode setting, low refrigerant.	Clean air filters, clear obstructions from outdoor unit, select correct mode, contact professional for refrigerant check.
Unusual noise from unit.	Loose parts, fan obstruction, normal operating sounds (e.g., refrigerant flow).	Check for loose parts or obstructions. If noise persists or is unusual, contact support.
Water leakage from indoor unit.	Blocked drain hose, improper installation angle.	Check and clear drain hose. If issue persists, professional re-installation may be needed.
Remote control not working.	Batteries dead, remote out of range, signal obstruction.	Replace batteries, ensure clear line of sight to indoor unit, operate within range.

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

## 7. SPECIFICATIONS

Feature	Detail
---------	--------

Feature	Detail
Model Number	9K1VR-19S-JPB-I+O
Size	9,000 BTU - 115V -- 19 SEER2
Cooling Capacity	9000 BTU/h
Heating Capacity	10000 BTU/h
Power Supply	115V~/60Hz/1PH
Max Input Power	1200 W
Air Flow Volume	560 m <sup>3</sup> /h
Max. Fuse Size	20A
Sound Level	42 Decibels
Product Dimensions	31.18 x 7.91 x 11.5 inches
Item Weight	58.6 pounds
Special Features	Alexa and WiFi Enabled, DeHumidifier, Fast Cooling and Heating, Remote Control
Refrigerant Type	R32

# The Perfect Fit for Every Home, Budget

Econo	Umbr	Vario	TP
SEER2 17	SEER2 17-20	SEER2 19	SEER2 23
Refrigerant R410A	Refrigerant R32	Refrigerant R410A	Refrigerant R410A
Climate Range 14 °F ~ 122 °F	Climate Range 19 °F ~ 118 °F	Climate Range -4 °F ~ 122 °F	Climate Range -13 °F ~ 131 °F
State Rebate ●	State Rebate ●	State Rebate ●	State Rebate ●
Energy Saving ★★★★	Energy Saving ★★★★	Energy Saving ★★★★	Energy Saving ★★★★★

\*Climate Range Operation: More Stars, More Extreme Temperatures

\*Rebates vary by state and local utility regulations. Verification required



Figure 7.1: Product Dimensions.

## 8. WARRANTY AND SUPPORT

DELLA is committed to providing high-quality products and excellent customer service.

### Limited Lifetime Warranty:

Your DELLA Umbr Series Mini Split AC comes with a limited lifetime warranty, offering peace of mind against manufacturing defects. This warranty is designed to cover the product for its expected lifespan under normal use and service. Please refer to the warranty card included with your product for full terms and conditions.

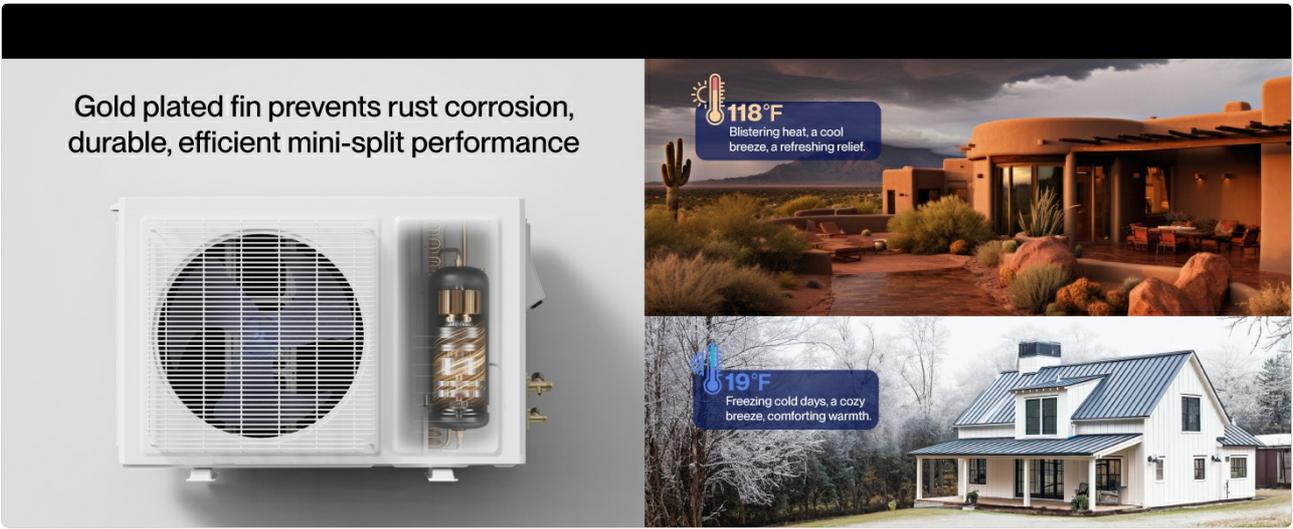


Figure 8.1: DELLA Lifetime Coverage.

### Customer Support:

Our dedicated customer support team is available to assist you with any questions or concerns regarding your DELLA product.

- **Phone Support:** Available Monday - Friday, 6 AM - 4 PM PST.
- **Live Chat:** 24/7 support for immediate assistance.

Please have your model number (9K1VR-19S-JPB-I+O) and purchase information ready when contacting support.

### More Features

36%

Umбра series air conditioner is designed for efficient energy usage. Up to 36% energy saving





Child Lock



24h Auto on/off



Multi-directional airflow

5

Wind Speeds







Quiet    Low    Mid    High    Turbo

5

Modes







Cool Mode    Heat Mode    Dehumidify    Fan Only    ECO Mode

Figure 8.2: DELLA Customer Support Options.