

## Della 18K2VR-17S-JA-I+O

# DELLA Motto Series 18000 BTU Mini Split Air Conditioner and Heater User Manual

Model: 18K2VR-17S-JA-I+O

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your DELLA Motto Series 18000 BTU Mini Split Air Conditioner and Heater. Please read this manual thoroughly before installation and use, and retain it for future reference.

The DELLA Motto Series 18000 BTU unit is a high-efficiency ductless mini-split inverter system designed to provide both cooling and heating for spaces up to 1000 sq. ft. It features Wi-Fi connectivity, Alexa compatibility, and uses R32 refrigerant for improved environmental performance.

## 2. SAFETY INFORMATION

**Important Safety Instructions:** Always follow basic safety precautions to reduce the risk of fire, electric shock, or injury.

- **Professional Installation Required:** This system mandates professional installation. It is not a DIY mini-split AC. Improper installation can lead to electric shock, fire, water leakage, or other damage.
- **Electrical Safety:** Ensure the unit is connected to a 208-230V power supply with a maximum fuse size of 15A. All electrical work must comply with local and national electrical codes.
- **Refrigerant Handling:** The unit is pre-charged with R32 refrigerant. Line-set vacuuming is required during installation. Any alteration of line-set length requires adjusting refrigerant levels, which must be performed by a qualified technician. R32 refrigerant requires specific handling procedures.
- **Clearance:** Maintain adequate clearance around both indoor and outdoor units for proper airflow and maintenance.
- **Children and Pets:** Keep children and pets away from the unit, especially during operation and maintenance.
- **Maintenance:** Only qualified service personnel should perform maintenance and repairs.

## 3. PRODUCT OVERVIEW

The DELLA Motto Series Mini Split system consists of an indoor unit, an outdoor unit, and various installation accessories. Below is an illustration of the main components and included parts.



**Figure 3.1:** DELLA Motto Series Mini Split System. This image displays the indoor unit, outdoor unit, remote control, and a smartphone showing the control app interface.

# Lifetime Coverage

Unmatched Warranty Gives You Peace of Mind



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No Additional Costs



Customer Support



**Figure 3.2:** Included Components. This image shows the indoor unit, outdoor unit, refrigerant pipe, drain lines, remote control, wall cap, plastic wrap, mounting plate, AAA batteries, plasticine putty, power cords, communication cable, and bracket template.

## 4. SETUP AND INSTALLATION

**Important:** Installation of this mini-split system requires specialized knowledge and tools. It must be performed by a certified HVAC professional to ensure proper function, safety, and warranty validity.

### 4.1 Pre-Installation Checks

- Verify all components listed in Section 3 are present and undamaged.
- Ensure the installation site meets electrical requirements (208-230V, 15A max fuse).
- Confirm adequate space for both indoor and outdoor units, allowing for proper airflow and maintenance access.

### 4.2 Key Installation Steps (Professional Only)

1. **Mounting:** Securely mount the indoor unit to the wall using the provided mounting plate and the outdoor unit on a stable surface.
2. **Line Set Connection:** Connect the pre-charged copper refrigerant lines (1/4" & 1/2" outer dimension) and the 6.56ft outlet drain pipe (15.5mm/16.9mm) between the indoor and outdoor units.

3. **Vacuuming:** The line set must be thoroughly vacuumed to remove air and moisture before releasing the refrigerant. This is a critical step for system longevity and efficiency.
4. **Electrical Wiring:** Connect the power supply and communication cables according to the wiring diagram provided in the full installation manual.
5. **Refrigerant Adjustment:** If the line set length is altered, the refrigerant charge may need adjustment by a qualified technician.

Refer to the detailed installation manual provided with your unit for comprehensive instructions and diagrams.

## 5. OPERATING INSTRUCTIONS

Your DELLA Motto Series Mini Split offers multiple operating modes and smart features for optimal comfort and energy efficiency.

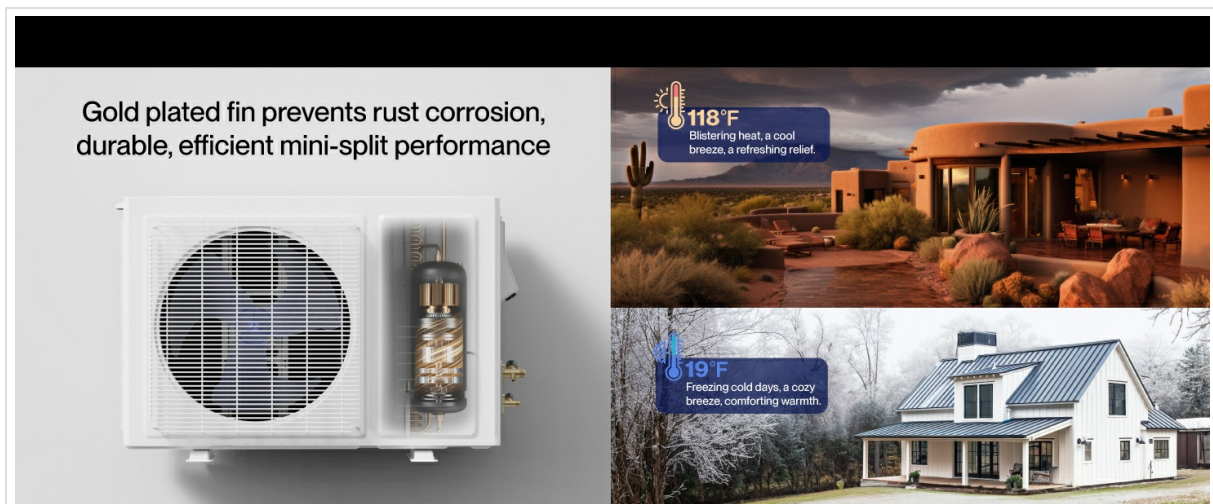
### 5.1 Remote Control Operation

Use the included remote control to manage your unit's settings. Ensure the remote has 2 AAA batteries installed.

- **Power On/Off:** Press the power button to turn the unit on or off.
- **Mode Selection:** Cycle through modes (Cool, Heat, Dry, Fan) using the Mode button.
- **Temperature Adjustment:** Use the Up/Down arrows to set your desired temperature (60-90°F range).
- **Fan Speed:** Select from multiple fan speeds (Quiet, Low, Mid, High, Turbo).
- **4D Air Flow:** Adjust the horizontal and vertical louvers for optimal air distribution.
- **"I Feel" Mode:** The remote control senses the room temperature and adjusts the unit's operation for enhanced personal comfort and energy savings.
- **24-Hour Timer:** Set the unit to turn on or off automatically after a specified duration.
- **Sleep Mode:** Optimizes temperature and fan speed for comfortable sleep while conserving energy.
- **Eco Energy Saving Mode:** Activates energy-efficient operation.

### 5.2 Wi-Fi and Smart Control

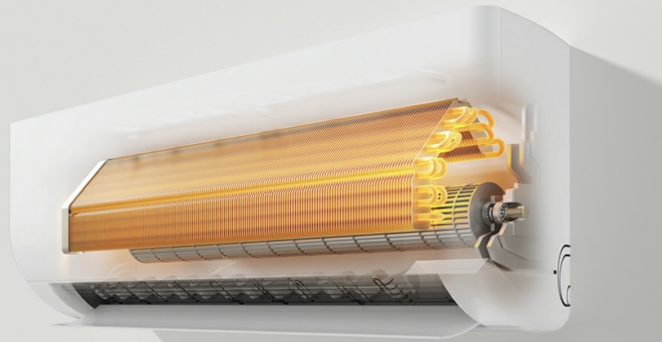
The unit is Wi-Fi enabled and compatible with the DELLA+ app, Google Assistant, and Alexa for convenient remote control.



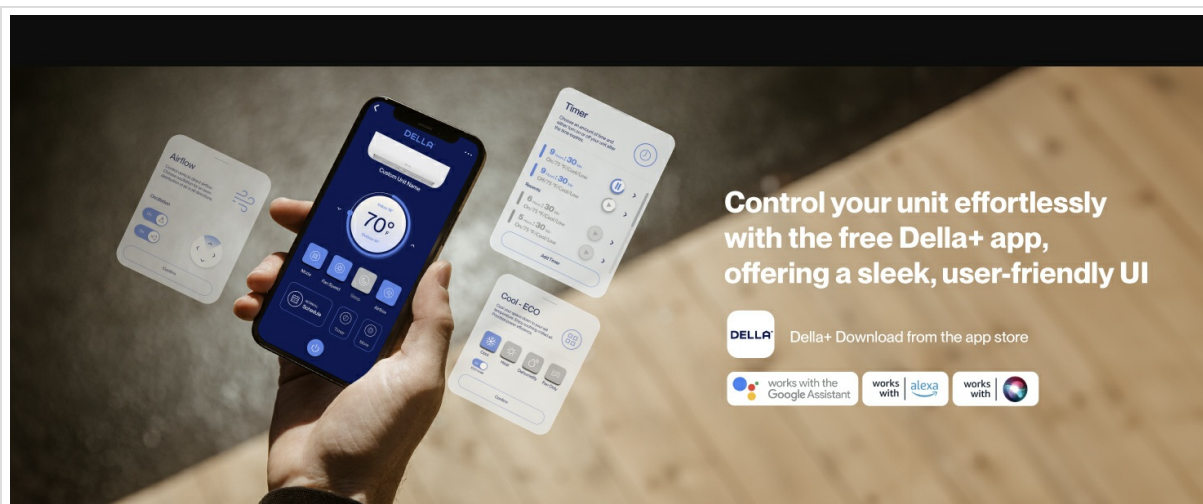
**Figure 5.1:** DELLA+ App Interface. This image shows a smartphone displaying the DELLA+ app, which allows for wireless control of the mini-split unit, including mode selection, fan speed, and scheduling.

## Cleaner Air, Healthier Living

PureClean tech stops dust buildup and defrosts your indoor unit, keeping your air fresher with advanced sterilization.



**Figure 5.2:** App Scheduling and Timer. This image illustrates the scheduling and timer functions within the DELLA+ app, allowing users to set daily routines for the unit.



**Figure 5.3:** Voice Control. This image shows an Alexa device in a home setting, indicating compatibility for voice commands to control the air conditioner.

- **Della+ App:** Download the free Della+ app from your smartphone's app store. Follow the in-app instructions to connect your unit to your home Wi-Fi network. The app provides full wireless control, including mode selection, temperature adjustment, fan speed, and scheduling.
- **Alexa Compatibility:** Once connected to the Della+ app, enable the Della skill in your Alexa app to control your unit using voice commands.
- **Smart Geo Location:** The Della+ app offers smart geo-location features, allowing the unit to automatically adjust based on your proximity to your home.

## 6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your mini-split system. Always disconnect power before performing any maintenance.

### 6.1 Air Filter Cleaning

- The indoor unit's air filters should be cleaned every two weeks, or more frequently depending on usage and air quality.
- Open the front panel of the indoor unit and carefully remove the filters.
- Wash filters with lukewarm water and a mild detergent. Rinse thoroughly and allow them to air dry completely before reinserting.



## 6.2 Outdoor Unit Maintenance

- Keep the area around the outdoor unit clear of debris, leaves, and snow to ensure proper airflow.
- Periodically clean the outdoor coil fins with a soft brush or vacuum cleaner. Avoid bending the fins.
- Ensure the drain pan and drain hose are free of blockages.

## 6.3 Professional Servicing

It is recommended to have a qualified HVAC technician inspect and service your system annually. This includes checking refrigerant levels, electrical connections, and overall system performance.

## 7. TROUBLESHOOTING

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Before contacting customer support, review the following common issues and 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.
Water leakage from indoor unit.	Blocked drain hose, improper installation.	Check and clear drain hose. If issue persists, contact a professional.
Unusual noise.	Loose parts, fan obstruction, normal operating sounds (e.g., refrigerant flow).	Inspect for loose parts or obstructions. If noise is abnormal, contact support.
Wi-Fi connectivity issues.	Weak Wi-Fi signal, incorrect app setup, router issues.	Ensure strong Wi-Fi signal, re-pair unit with app, restart router.

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

## 8. SPECIFICATIONS

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Key technical specifications for the DELLA Motto Series 18000 BTU Mini Split Air Conditioner and Heater.



**Figure 8.1:** Unit Dimensions and Key Specifications. This image provides a visual representation of the indoor and outdoor unit dimensions along with a summary of key specifications like model number, cooling/heating capacity, power supply, and fuse size.

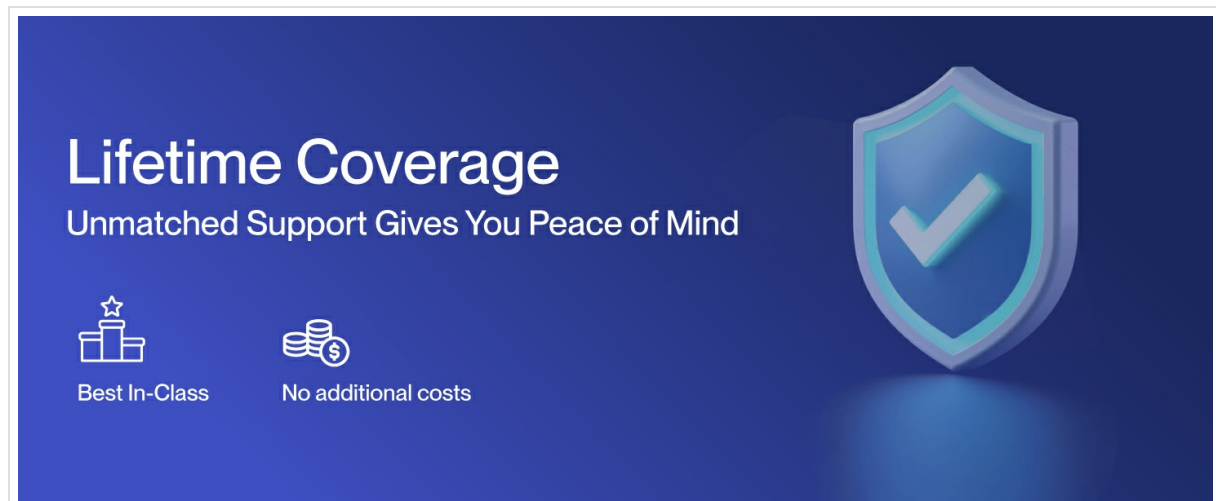
Feature	Specification
Brand	Della
Model Number	18K2VR-17S-JA-I+O
Cooling Capacity	18000 BTU/h
Heating Capacity	18000 BTU/h
SEER2 Rating	19
Voltage	208-230 Volts
Max Fuse Size	15A
Refrigerant Type	R32
Noise Level (Indoor)	47 dBa (Ultra Silent)

Feature	Specification
Coverage Area	Up to 1000 Sq. Ft.
Indoor Unit Dimensions (D x W x H)	8.82 x 37 x 12.44 inches
Outdoor Unit Dimensions (D x W x H)	11.8 x 30.9 x 21.85 inches (approximate, based on image)
Special Features	Alexa and WiFi Enabled, Energy Efficient, Heating And Cooling Function, Quieter, Variable Speed

## 9. WARRANTY AND SUPPORT

### 9.1 Warranty Information

DELLA offers a limited lifetime warranty for this product, providing unmatched support. This warranty covers manufacturing defects under normal use and service. Please refer to the warranty card included with your product for full terms and conditions.



**Figure 9.1:** Lifetime Coverage. This image highlights DELLA's commitment to lifetime coverage, best-in-class support, and no additional costs for warranty services.




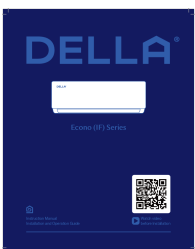


### 9.2 Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact DELLA customer support:

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

Please have your model number (18K2VR-17S-JA-I+O) and purchase date ready when contacting support.



	<p><a href="#">Della Motto (JA) Series Air Conditioner Installation and Operation Manual</a></p> <p>Comprehensive guide for installing and operating the Della Motto (JA) Series mini-split air conditioner. Covers safety, installation steps, basic and advanced functions, maintenance, and troubleshooting.</p>
	<p><a href="#">DELLA Motto (JA) Series Air Conditioner: Installation and Operation Manual</a></p> <p>This manual provides comprehensive installation, operation, and maintenance guidance for the DELLA Motto (JA) Series air conditioner, ensuring optimal performance and longevity.</p>
	<p><a href="#">DELLA Motto (JA) Series Mini-Split Air Conditioner Installation and Operation Manual</a></p> <p>Get essential guidance for installing and operating your DELLA Motto (JA) Series mini-split air conditioner. This manual covers pre-installation checks, safety protocols, refrigerant handling, electrical setup, and maintenance for optimal home comfort.</p>
	<p><a href="#">Della Econo (IF) Series Air Conditioner Installation and Operation Manual</a></p> <p>Comprehensive instruction and installation guide for Della Econo (IF) Series mini-split air conditioners, detailing setup, safety precautions, operational modes, and maintenance procedures.</p>
	<p><a href="#">DELLA Mini-Split Air Conditioner User's Manual</a></p> <p>Comprehensive user's manual for DELLA Mini-Split Air Conditioners, covering product specifications, safety precautions, operation, installation, maintenance, and troubleshooting for models 048-IF-11K1V-17S, 048-IF-11K2V-17S, 048-IF-16K2V-17S, and 048-IF-22K2V-17S.</p>
	<p><a href="#">DELLA Motto(JA)/Umbra(JPB)/Serena(M) Series Service Manual</a></p> <p>Comprehensive service manual for DELLA Motto(JA), Umbra(JPB), and Serena(M) Series air conditioners, providing detailed troubleshooting guides, error code explanations, and removal procedures for maintenance personnel.</p>