

Della 9K1VR-19S-JA-I+O

DELLA Motto Series Mini Split Air Conditioner & Heater User Manual

Model: 9K1VR-19S-JA-I+O

1. PRODUCT OVERVIEW

The DELLA Motto Series 9000 BTU Wifi Enabled Mini Split is an energy-efficient air conditioning and heating system designed for optimal comfort. Featuring a 19 SEER2 rating and DC Inverter technology, it provides significant power savings. This unit is equipped with smart functions for ease of use and can cool or heat areas up to 450 sq. ft.



Figure 1.1: DELLA Motto Series Mini Split System components.

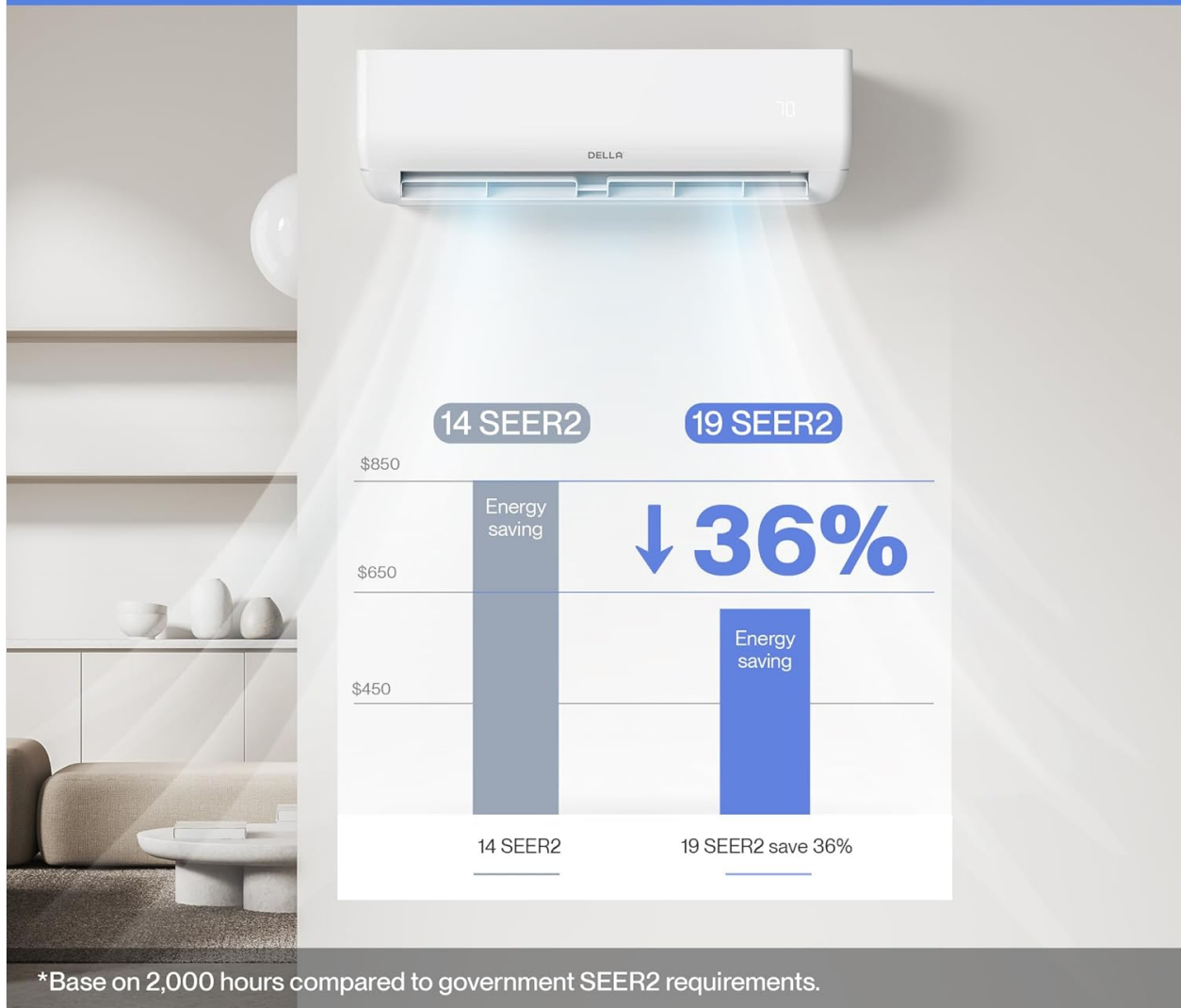
Key Features:

- **Energy Efficient:** 9000 BTU/h, 19 SEER2, 115V, ETL Listed, AHRI Certified with DC Inverter technology for up to 30% power savings.
- **Smart Sensor:** Senses room temperature at the remote control for precise comfort and energy savings.
- **Advanced Functions:** Includes 4D airflow, I Feel mode, 24-hour timer, sleep mode, eco energy saving mode, multiple fan speeds, and turbo function.
- **Wide Coverage:** Cools and heats up to 450 sq. ft., operating effectively in temperatures as low as 19°F.
- **Quiet Operation:** Operates at an ultra-silent 42 dBa.
- **R32 Refrigerant:** Uses environmentally friendly R32 refrigerant.

19 SEER2

Cool more, lower energy usage

Powered by
MightyAir X



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

Figure 1.2: Energy efficiency comparison highlighting 36% energy savings.

2. SAFETY INFORMATION

Please read all safety warnings and instructions carefully before installation and operation to prevent injury or damage. Keep this manual for future reference.

General Safety Precautions:

- Ensure the unit is installed by a qualified professional to avoid electrical shock, fire, or injury.
- Do not operate the unit with wet hands or in excessively humid environments.
- Disconnect power before performing any maintenance or cleaning.
- Keep children and pets away from the unit during operation.
- Do not block air inlets or outlets.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

3. WHAT'S IN THE BOX

Verify that all components are present and undamaged upon unpacking. If any items are missing or damaged, contact customer support immediately.



Figure 3.1: All components included in the DELLA Motto Series Mini Split package.

Included Components:

- Indoor Unit
- Outdoor Unit
- Refrigerant Pipe (13ft copper line: 1/4" & 3/8" outer dimension)
- Drain Lines (6.56ft outlet drain pipe: 15.5mm/16.9mm inner/outer diameter)
- Remote Control
- Wall Cap

- Plastic Wrap
- Mounting Plate
- 2 AAA Batteries
- Plasticine Putty
- Power Cords
- Communication Cable
- Bracket Template
- User Manual (this document)

4. SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your mini split system. It is highly recommended to have the unit installed by a certified HVAC technician. Line-set vacuuming is required during installation. Any alteration of line-set length requires adjusting freon levels.

Installation Steps Overview:

1. **Site Selection:** Choose appropriate locations for both indoor and outdoor units, ensuring proper clearance and drainage.
2. **Mounting:** Securely mount the indoor unit to the wall using the provided mounting plate and the outdoor unit on a stable surface or bracket.
3. **Line Set Connection:** Connect the refrigerant pipes and drain lines between the indoor and outdoor units. Ensure all connections are tight and leak-free.
4. **Electrical Wiring:** Connect the power cords and communication cable according to the wiring diagram found on the unit. Maximum Fuse Size is 20A.
5. **Vacuuming and Refrigerant Release:** Evacuate the refrigerant lines using a vacuum pump. Once vacuumed, release the pre-charged R32 refrigerant into the system.
6. **Drainage Setup:** Ensure the drain lines are properly sloped for continuous water removal.
7. **Wi-Fi Setup:** Connect the unit to your home Wi-Fi network and download the DELLA+ app for smart control.

Helpful Installation Videos:

Video 4.1: How to wire your Della mini split unit. This video provides guidance on the electrical connections for the unit.

Video 4.2: Install Your DELLA Mini Split Unit. A comprehensive guide to the physical installation process.

Video 4.3: 5 Urgent Steps Need to Know Before Installing Della Mini Split. Important considerations before beginning installation.

5. OPERATING INSTRUCTIONS

Your DELLA mini split system offers various modes and smart features for customized comfort. Control can be

achieved via the remote control or the DELLA+ mobile app.

Operating Modes:

- **Cool Mode:** Provides cooling to maintain your desired temperature.
- **Heat Mode:** Provides heating to warm your space.
- **Dry Mode:** Dehumidifies the air without significant cooling.
- **Fan Only Mode:** Circulates air without heating or cooling.
- **Eco Mode:** Optimizes operation for maximum energy efficiency.

Smart Features:

- **I Feel Mode:** The unit senses the room temperature at the remote control's location and adjusts operation for precise comfort.
- **4D Airflow:** Allows for up-down and left-right airflow adjustment for even distribution.
- **24-Hour Timer:** Program the unit to turn on or off automatically within a 24-hour period.
- **Sleep Mode:** Adjusts temperature and fan speed during sleep for enhanced comfort and energy saving.
- **Wi-Fi Connectivity & App Control:** Control your unit remotely using the DELLA+ app on your smartphone. Compatible with Alexa.



Made to live with you

DELLA+ Della+ now

Your AC automatically turns on or off based on the location you set



Easily adjust the size of the Geo circle that alerts your AC unit.

Smart Geo Location

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

Figure 5.1: Smart Geo Location feature in the DELLA+ app.

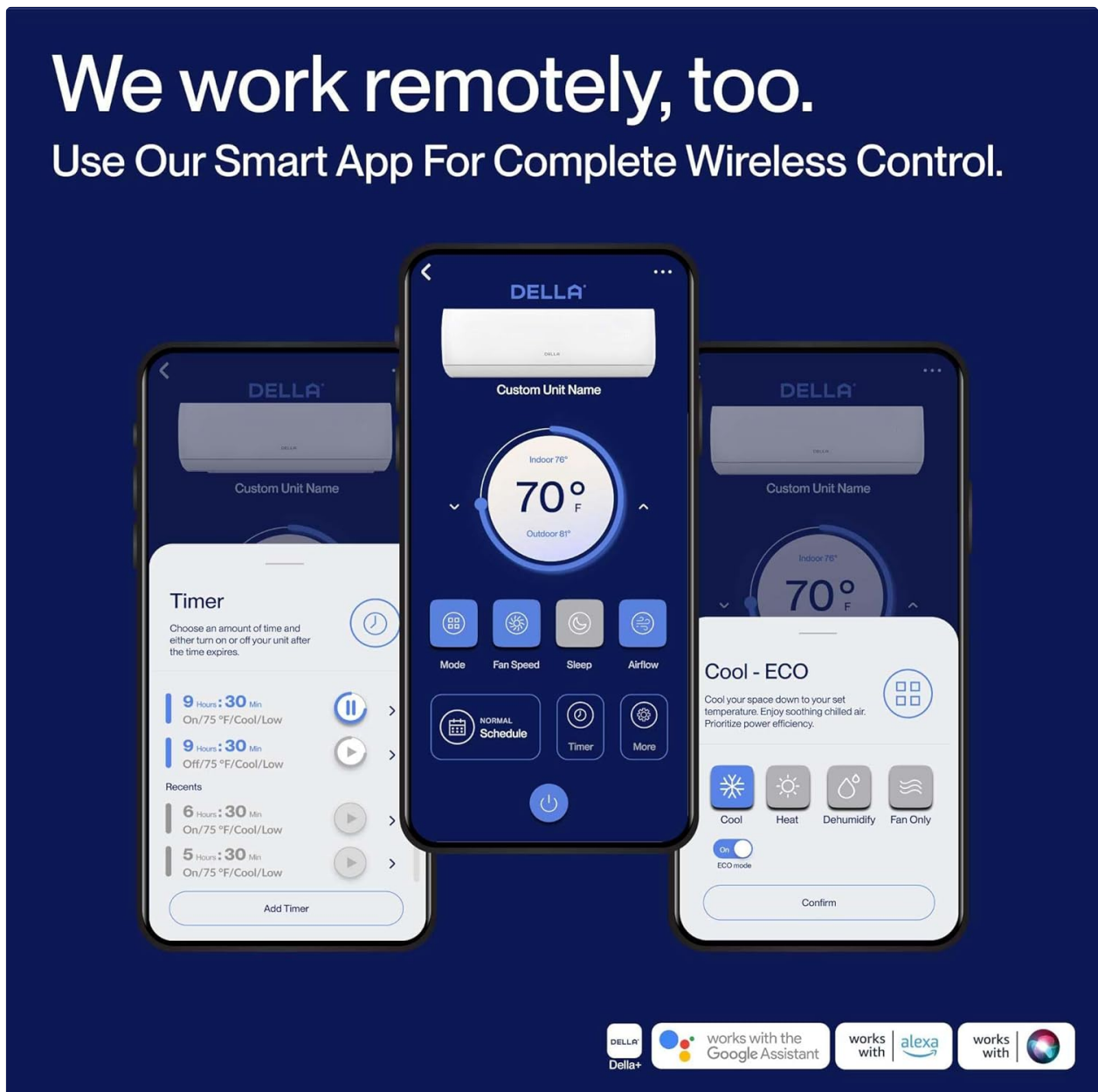


Figure 5.2: Wireless control via the DELLA+ Smart App.

Operating Videos:

Video 5.3: Geo Location Function. Demonstrates how the unit can automatically adjust based on your location.

Video 5.4: DELLA Mini Split Air Conditioner. An overview of the unit's operation.

Video 5.5: Della Mini split app 3.0. A demonstration of the mobile application's features and interface.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your DELLA mini split system.

Routine Maintenance:

- **Air Filter Cleaning:** Clean the indoor unit's air filters regularly (every 2-4 weeks, depending on usage) to

maintain airflow and efficiency. Refer to the full user manual for detailed instructions on filter removal and cleaning.

- **Indoor Unit Cleaning:** Wipe the surface of the indoor unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Outdoor Unit Cleaning:** Periodically clear any debris (leaves, dirt) from around the outdoor unit to ensure proper airflow. Gently clean the coils with a soft brush or vacuum.
- **Drain Line Check:** Ensure drain lines are free of blockages to prevent water overflow.
- **Defrost Cycle:** The outdoor unit will automatically initiate a defrost cycle in cold weather to prevent ice buildup on the coils. This is normal operation.

7. TROUBLESHOOTING

If you encounter issues with your DELLA mini split system, refer to the common troubleshooting tips below. For more detailed solutions or persistent problems, consult the comprehensive PDF user manual or contact customer support.

Common Issues and Solutions:

Problem	Possible Cause	Solution
Unit does not turn on	No power, remote control issues, circuit breaker tripped	Check power supply, replace remote batteries, reset circuit breaker.
Insufficient cooling/heating	Dirty air filters, blocked outdoor unit, incorrect mode setting, low refrigerant	Clean filters, clear outdoor unit, select correct mode, contact technician for refrigerant check.
Water leakage from indoor unit	Blocked drain line, improper installation angle	Clear drain line, ensure proper slope of unit. Contact installer if issue persists.
Unusual noise	Loose parts, foreign objects, normal expansion/contraction sounds	Check for loose components. If noise is abnormal or loud, contact support.
Wi-Fi connection issues	Router issues, incorrect password, unit too far from router	Restart router, re-enter Wi-Fi password, move unit closer to router or use a Wi-Fi extender.

8. SPECIFICATIONS

Detailed technical specifications for the DELLA Motto Series 9000 BTU Mini Split.



Figure 8.1: Dimensions of the DELLA Motto Series Mini Split units.

Specification	Value
Brand Name	Della
Model Info	9K1VR-19S-JA-I+O
Item Weight	65 pounds
Product Dimensions (Indoor Unit)	31.18"W x 11.5"H x 7.91"D
Cooling Power	9000 British Thermal Units
Heating Capacity	10000 BTU/h
Voltage	115 Volts
Wattage	1200 Watts
Seasonal Energy Efficiency Ratio (SEER)	19
Noise Level	42 dB

Specification	Value
Installation Type	Split System
Refrigerant	R-32
Floor Area Coverage	450 Square Feet
Material Type	Plastic
Country of Origin	China

9. WARRANTY AND SUPPORT

DELLA is committed to providing high-quality products and excellent customer service. Your Motto Series Mini Split comes with comprehensive support.

Lifetime Coverage

Unmatched Warranty Gives You Peace of Mind



Best In-Class



No Additional Costs



Customer Support



Figure 9.1: DELLA's commitment to lifetime coverage and support.

Warranty Information:

DELLA offers unmatched warranty coverage for peace of mind. For specific terms and conditions of your warranty, please refer to the official warranty document included with your purchase or available on the DELLA website.

Customer Support:

Should you require assistance with installation, operation, maintenance, or troubleshooting, DELLA's customer support team is available to help.

- **Phone Support:** Available Monday - Friday, 6 AM - 4 PM PST.
- **Live Chat:** 24/7 support available through the DELLA website or app.

For the most up-to-date contact information, please visit the official Della Store on Amazon or the manufacturer's website.

Official User Manual (PDF): [Download PDF Manual](#)