

Della DC-24K2V-19S-I+O

DELLA 22,000 BTU Concealed Ducted Mini Split Air Conditioner User Manual

Model: DC-24K2V-19S-I+O | Brand: Della

1. PRODUCT OVERVIEW

The DELLA 22,000 BTU Concealed Ducted Mini Split Air Conditioner is a high-efficiency, Energy Star certified inverter heat pump system designed for optimal climate control. It provides both cooling and heating functionalities, featuring a 19 SEER2 rating and operating on 230V. The system is pre-charged with R454B refrigerant and includes a 16.4ft installation kit. Its concealed duct design allows for discreet installation in ceilings or attics, providing quiet operation as low as 34 dB. Smart control options include compatibility with the DELLA App and Alexa, offering remote temperature management and geolocation features.

2. WHAT'S INCLUDED

Verify that all components are present before beginning installation.

Reliable Climate Control for Small Businesses



Image: All components included with the DELLA Mini Split system.

- 1 x Ducted Mini Split AC (Indoor and Outdoor Units)
- Installation Kit (16 ft with 1/4" and 5/8" copper tubing)
- Thermostat
- Remote Control
- Manual
- Additional accessories: Refrigerant Pipe, Drain Hose, Insulation Foam, Wall Sleeve, Cover Cap, Plastic Wrap, Plasticine Putty, Drainage Joint, Flexible Drain Hose, Rubber Foot Pad, Battery, Phillips Pan Head Bolt, Brass Nut Set, Communication Cable, Installation Template.

3. INSTALLATION GUIDE

Important: Professional installation is required for this system. It is not a DIY system. Ensure all local electrical and building codes are followed.

3.1 Key Installation Considerations

- **Static Pressure:** With 0.4 in.WC static pressure, this system supports complex ductwork and multi-story airflow.

- **Concealed Design:** The indoor unit is designed to be hidden in ceilings or attics for a clean aesthetic.
- **Return Air Positions:** Two return air positions are available to support various installation layouts.
- **Refrigerant:** Uses eco-friendly R454B refrigerant. Refrigerant adjustment may be required for line sets exceeding 25 ft.
- **Condensate Pump:** Includes a built-in condensate pump capable of lifting water up to 29.5 inches for flexible drainage.
- **Max Fuse Rating:** 25A.

Flexible Air Outlet Cooling & Heating

Stays hidden, operates quietly, saves energy efficiently

BTU	Recommend Total Area	Number of Air Outlets
9.5K	350-450 sq.ft	1
11K	450-600 sq.ft	1-2
17K	600-800 sq.ft	2-3
22K	800-1100 sq.ft	3-4



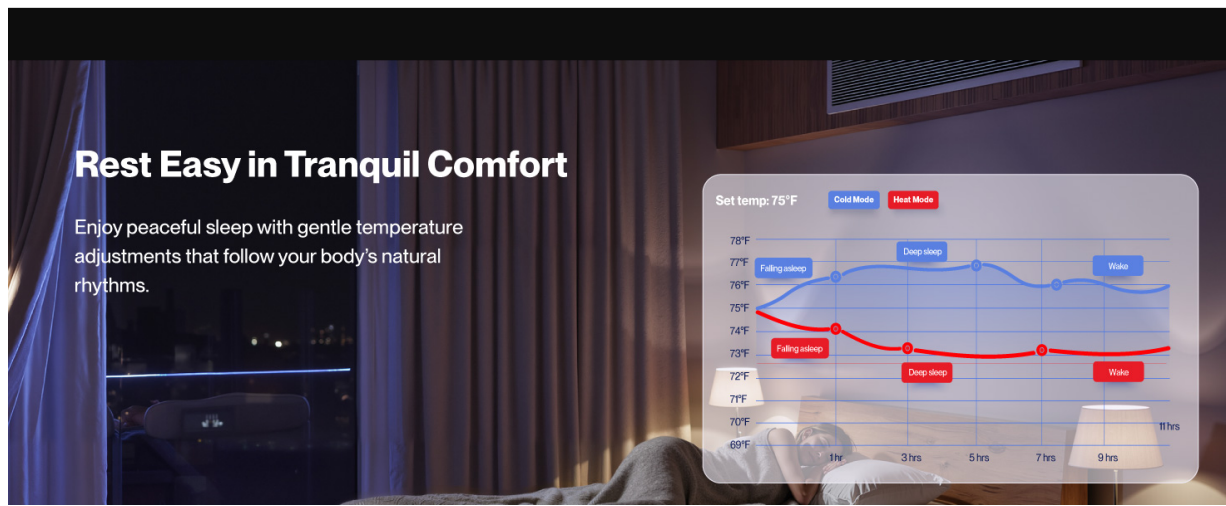
Image: Example of a concealed ducted mini split installation.

3.2 Electrical Connections

The system operates on 208-230V. All electrical wiring must be performed by a qualified electrician in accordance with local and national electrical codes.

3.3 Ductwork and Airflow

Ensure proper duct sizing and sealing for efficient air distribution. The system provides 741 CFM high airflow. Consider the two return air positions for optimal setup.



Rest Easy in Tranquil Comfort

Enjoy peaceful sleep with gentle temperature adjustments that follow your body's natural rhythms.

Image: Flexible installation for various layouts.



Image: Built-in high-power drain pump for flexible drainage.

4. OPERATING YOUR DELLA MINI SPLIT

The DELLA Mini Split offers various modes and settings for personalized comfort. You can control the unit using the included remote control, the DELLA App, or voice commands via Alexa.

4.1 Basic Operation

- **Temperature Range:** Adjust temperatures between 60°F (15.5°C) and 90°F (32.2°C).
- **Cooling:** Provides fast cooling for spaces up to 800 sq. ft.
- **Heating:** The heat pump ensures reliable operation down to -13°F (-25°C).
- **Fan Speeds:** Choose from 7 fan speeds for optimal airflow and noise levels.
- **Modes:** Auto, Cool, Heat, Dehumidify, Fan Only, ECO mode.



Image: DELLA Mini Split system with remote control and thermostat.

4.2 Remote Control Functions

The remote control allows direct adjustment of temperature, mode, fan speed, and other settings. Refer to the remote control section in the included manual for detailed button descriptions.



Image: Remote control for DELLA Mini Split.

5. SMART CONTROL AND APP FEATURES

Enhance your comfort and convenience with the DELLA App and smart home integration.

5.1 DELLA App Control

The free DELLA+ app allows you to control your unit remotely from anywhere. Features include:

- Remote temperature adjustment.
- Mode selection (Cool, Heat, Dehumidify, Fan Only, Auto, ECO).
- Fan speed control (7 speeds).
- Scheduling and Timer functions.
- Airflow oscillation control.



Image: DELLA+ App interface for wireless control.

Built-In High-Power Drain Pump

Lifts condensate water up to 29.5 inches for flexible drainage

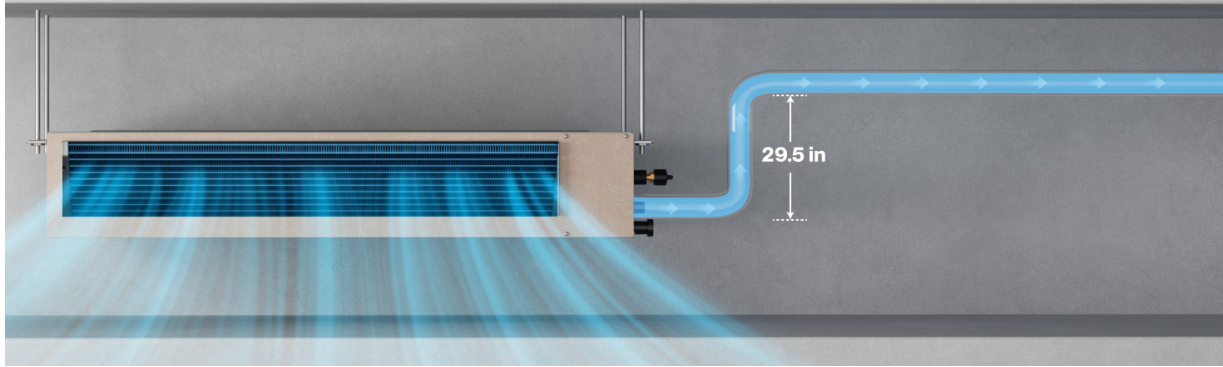


Image: Scheduling and Timer functions in the DELLA+ App.

Lifetime Coverage

Unmatched Support Gives You Peace of Mind



Best In-Class



No additional costs



Image: Multiple operating modes available in the DELLA+ App.

5.2 Geolocation Functionality

The DELLA+ app includes geolocation features that can automatically adjust your unit's operation based on your proximity to your home. This ensures a comfortable environment upon arrival and energy savings when you leave.

Your browser does not support the video tag.

Video: Instructions on how to set up and customize the Geo Location function in the DELLA+ App.

Image: Smart Geo Location feature in action.

5.3 Alexa and Voice Control

The system is compatible with Alexa, allowing for seamless voice control of your mini split unit. Simply use voice commands to adjust settings.

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Video: Guide on how to use the DELLA App features, including voice control.

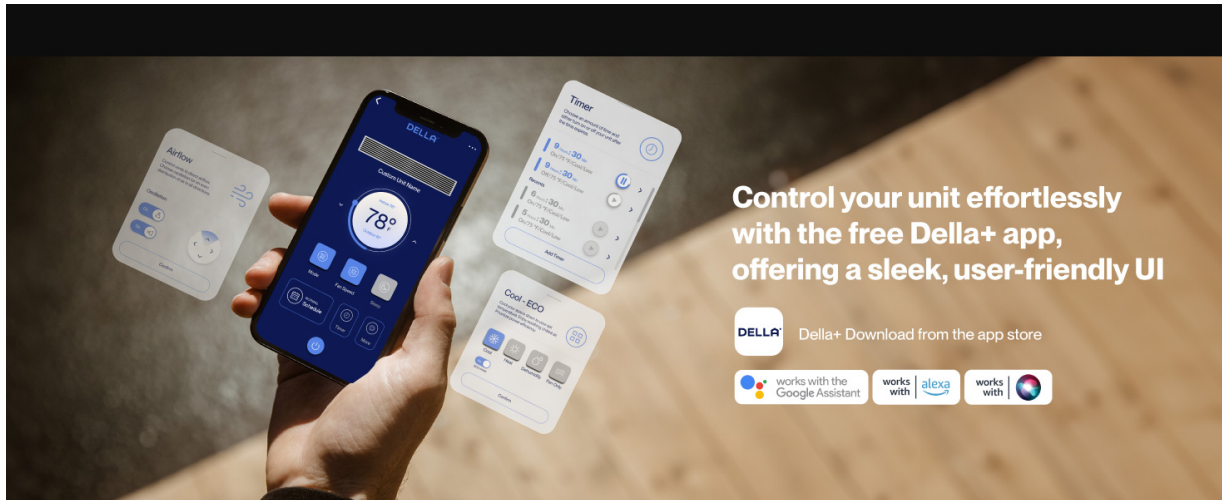


Image: Voice control compatibility with Alexa.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your DELLA Mini Split system.

- **Smart Defrost:** The system features smart defrost to prevent ice buildup on the outdoor unit, especially in cold climates.
- **High Temperature Self-Cleaning:** The indoor unit includes a self-cleaning mode to maintain air quality and efficiency.
- **Filter Cleaning:** Regularly clean or replace air filters as per the detailed instructions in the full product manual to ensure optimal airflow and air quality.
- **Outdoor Unit Inspection:** Periodically check the outdoor unit for debris and ensure clear airflow around it. The gold-plated fin helps prevent rust and corrosion.

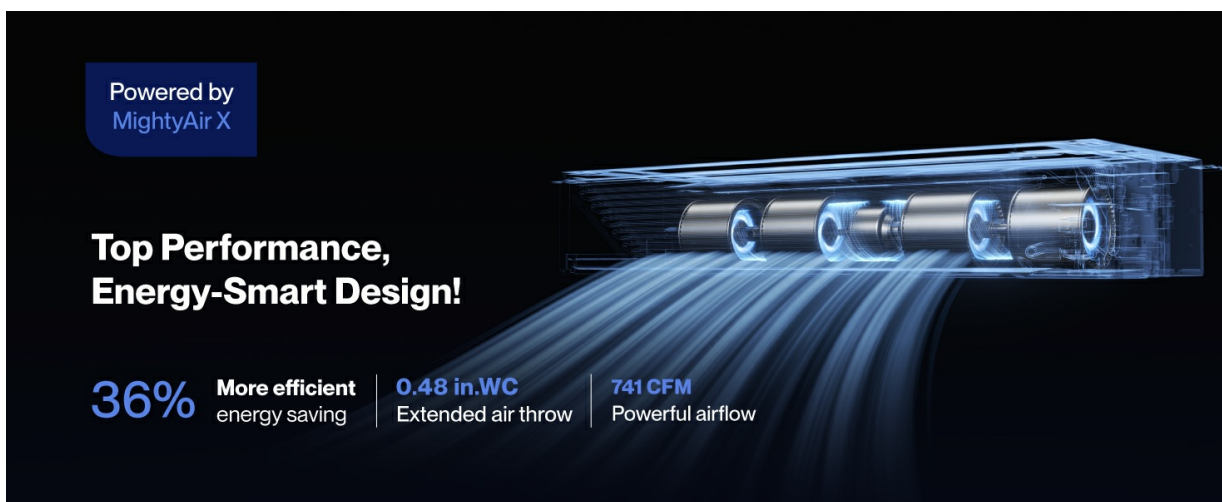


Image: Bottom electric heating to prevent frost buildup.

Say Goodbye to Frost Buildup!

Our bottom electric heating helps prevent frost from forming at the base of your model, speeding up defrosting and boosting efficiency.

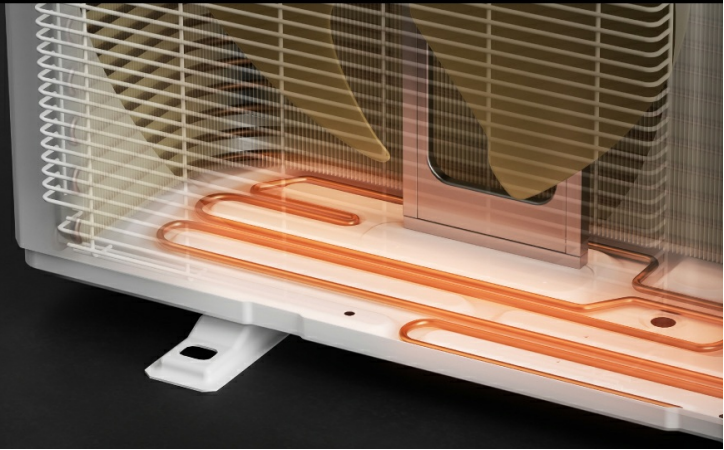


Image: PureClean technology for cleaner air and healthier living.

7. TROUBLESHOOTING

If you encounter issues with your DELLA Mini Split, refer to the following common troubleshooting steps. For more complex problems, consult the full manual or contact customer support.

- **Unit Not Turning On:** Check power supply, circuit breaker, and ensure the remote control batteries are functional.
- **Insufficient Cooling/Heating:** Verify temperature settings, ensure air filters are clean, and check for any obstructions to airflow.
- **Unusual Noises:** Minor operational noises are normal. If loud or unusual sounds occur, inspect for loose parts or contact a professional.
- **Water Leakage:** Check the condensate drain line for blockages or proper installation. The built-in pump should handle drainage effectively.
- **App Connectivity Issues:** Ensure your Wi-Fi network is stable and the unit is properly paired with the DELLA+ app.

8. PRODUCT SPECIFICATIONS

Feature	Detail
Brand	Della
Model Number	DC-24K2V-19S-I+O
Cooling Power	22,000 British Thermal Units (BTU)
Heating Capacity	25,000 BTU/h
SEER2 Rating	19 SEER2
HSPF Rating	10 HSPF
Voltage	230 Volts (208-230V)
Max Input Power	2030 watts
Max Fuse Rating	25A

Air Flow Volume	1260 m ³ /h (741 CFM)
Noise Level	34 Decibels (as low as)
Product Dimensions (Indoor Unit)	17.25"D x 43.25"W x 7.87"H
Item Weight	50.7 Pounds
Special Features	Alexa Enabled, Heating And Cooling Function, Inverter Compressor, Remote Controlled, WiFi Enabled
Refrigerant Type	R454B (eco-friendly)



Image: Product dimensions and key specifications.

9. WARRANTY AND CUSTOMER SUPPORT

9.1 Warranty Information

This DELLA Mini Split Air Conditioner comes with a Lifetime Coverage warranty. For specific terms and conditions, please refer to the warranty documentation included with your product or contact Della

customer service.

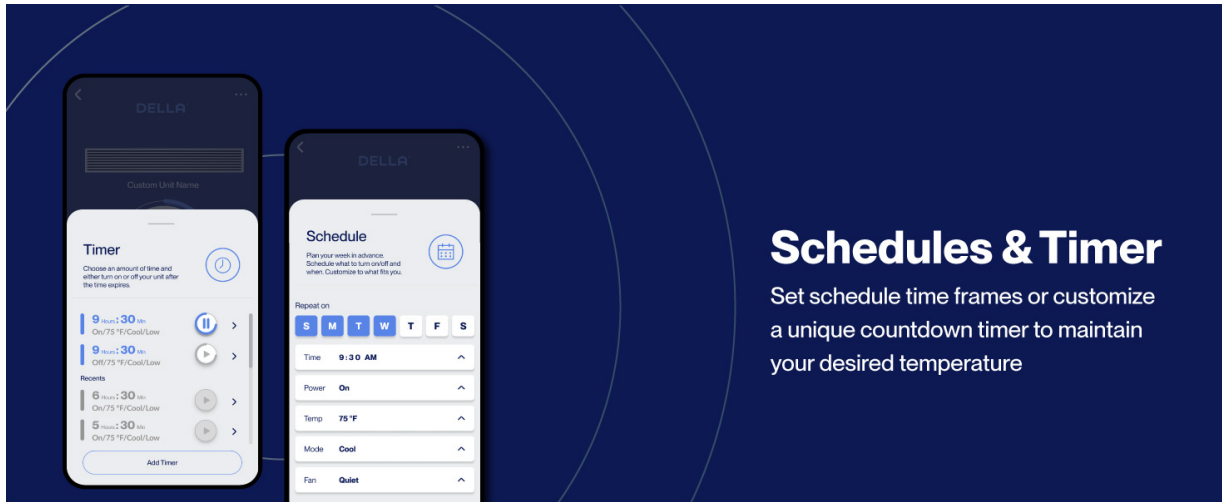


Image: Lifetime Coverage warranty details.

9.2 Customer Support

For any questions, technical assistance, or support, please contact Della customer service. Support is available 24/7 via live chat and phone support (M-F PST).

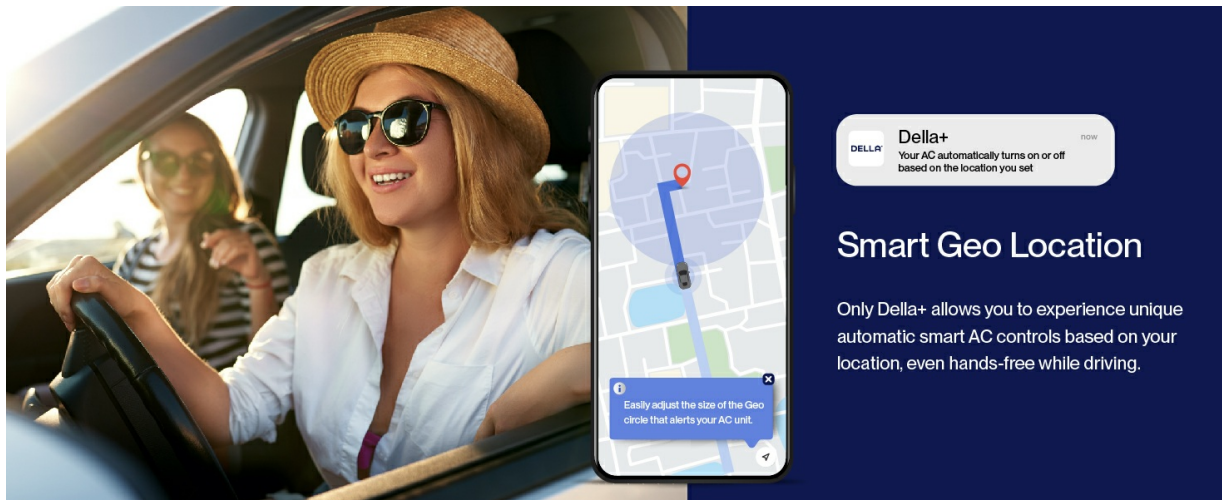


Image: Della customer support options.