

Della 048-CC-12K2V-22S-I+O

DELLA 12,000 BTU Ceiling Cassette Mini Split AC User Manual

Model: 048-CC-12K2V-22S-I+O

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your DELLA 12,000 BTU Ceiling Cassette Mini Split AC system. Please read this manual thoroughly before installation and use to ensure proper function and safety. This system is designed to provide efficient cooling and heating for spaces up to 550 sq ft.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Exceptional Cooling & Efficiency:** 12,000 BTU/h cooling power, 208-230 V, 22 SEER2 rating.
- **Ultra Heat Capability:** Heat pump operates in temperatures as low as -13°F (-25°C).
- **Quiet Operation:** Operates at just 32 dB(A).
- **Smart Control:** Compatible with DELLA App and multiple voice assistants (e.g., Alexa).
- **Geolocation Feature:** Remote system activation based on location.
- **Versatile Airflow:** 360° surround airflow for even distribution.
- **Advanced Modes:** Refrigerant leak sensor, 24-hour timer, multiple fan speeds, sleep, energy-saving, cooling, heating, dehumidifying, and auto modes.
- **Inverter Technology:** Energy-efficient outdoor unit with bottom-mounted heater for frost prevention.
- **PureClean Technology:** One-touch auto-cleaning to prevent indoor dust accumulation.
- **Energy Star Certified:** Qualifies for government energy rebates.

2.2 System Components

The DELLA Ceiling Cassette Mini Split AC system includes the following main components and accessories:

Made to live with you



The image shows a woman wearing a straw hat and sunglasses driving a car, with a passenger in the back seat. Overlaid on the image is a Della+ app interface. At the top, a notification says "Della+ now Your AC automatically turns on or off based on the location you set". Below this is a smartphone screen displaying a map with a blue line indicating a route and a red location pin. A blue information box at the bottom of the screen says "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.

Image: Overview of the DELLA Ceiling Cassette Mini Split AC system, showing the indoor cassette unit, outdoor condenser unit, and installation accessories.

1. Outdoor Unit
2. Refrigerant Pipe (16 ft copper tube: 1/4" and 3/8")
3. Drain Hose
4. Insulation Foam
5. Wall Sleeve
6. Cover Cap
7. Plastic Wrap
8. Plasticine Putty
9. Indoor Unit
10. Flexible Drain Hose
11. Zip Tie
12. Rubber Feet
13. Hose Clamp
14. Phillips Pan Head Bolt
15. Cable Clamp
16. Communication Cable

17. Remote Control
18. Battery
19. Copper Nut
20. Bracket Template



Image: Detailed diagram illustrating the various components of the DELLA Mini Split AC system, each labeled with a number for easy identification.

3. INSTALLATION

Professional installation is required for this DELLA Mini Split AC system to ensure safety and proper operation. Improper installation can lead to refrigerant leaks, electric shock, fire, or water damage.

3.1 Pre-Installation Checks

- Ensure the installation area can support the weight of both indoor and outdoor units.
- Verify electrical supply meets the system requirements (208-230V). Max fuse rating is 15A.
- Confirm ceiling height is suitable (designed for ceilings 8.5-10 ft high).

3.2 Refrigerant and Piping

- The system comes pre-charged with R454B refrigerant, supporting up to 25 ft of piping.
- The included 16 ft copper tube (1/4" and 3/8") must be purged and vacuumed during installation.
- No refrigerant adjustment is needed if the tube length is under 25 ft. For lengths over 25 ft, refrigerant adjustment is required according to the detailed instructions in the full manual.

4. OPERATING INSTRUCTIONS

4.1 Remote Control Operation

The system can be controlled using the included wireless remote control. Ensure batteries are correctly inserted.



Image: The remote control for the DELLA Mini Split AC, showing various buttons and their functions for controlling the unit.

- **On/Off:** Powers the unit on or off.
- **Temp Up/Down:** Adjusts the desired temperature (60-90°F range).
- **Switch Modes:** Cycles through operating modes (Cool, Heat, Dehumidify, Fan Only, Auto, ECO).
- **Fan Speed:** Adjusts fan speed (multiple settings available).
- **Vertical/Horizontal Swing:** Controls the direction of airflow.
- **Turbo On/Off:** Activates or deactivates rapid cooling/heating.

- **ECO Mode:** Engages energy-saving operation.
- **Timer Setting:** Sets the 24-hour timer for scheduled operation.
- **Sleep Mode:** Adjusts temperature and fan speed for comfortable sleep.
- **Vicinity Sensor:** (If applicable) Detects presence for optimized operation.
- **PureClean:** Initiates the auto-cleaning function.
- **Display Light:** Toggles the display light on the indoor unit.

4.2 DELLA App and Smart Control

Control your DELLA Mini Split AC from anywhere using the DELLA App on your smartphone. The system is also compatible with voice assistants like Alexa and Google Assistant.



Image: A smartphone screen showing the DELLA+ application, which allows users to control the air conditioning unit remotely.

- **Remote Control:** Adjust settings, change modes, and monitor your unit from any location.
- **Geolocation Feature:** Automatically start or stop the system based on your proximity to home.
- **Scheduling & Timer:** Set custom schedules and countdown timers for automated temperature control.
- **Voice Control:** Integrate with Alexa or Google Assistant for hands-free operation. Example command: "Alexa, open the cassette air conditioner."



Image: A smart speaker device in a modern living room setting, illustrating the system's compatibility with voice control platforms.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your DELLA Mini Split AC system.

5.1 PureClean Technology

The PureClean technology helps prevent indoor dust accumulation. Activate this feature periodically using the remote control or DELLA App to maintain clean air and unit efficiency.

5.2 Frost Prevention

The outdoor unit features a bottom-mounted heater designed to prevent frost buildup, ensuring reliable operation even in extreme cold. This system requires minimal user intervention for frost management.

5.3 General Cleaning

- Clean the air filters regularly (refer to the full manual for specific instructions).
- Wipe the exterior of the indoor and outdoor units with a soft, damp cloth. Do not use harsh chemicals.
- Ensure the outdoor unit's coils are free from debris.

6. TROUBLESHOOTING

If you encounter issues with your DELLA Mini Split AC, refer to the following general troubleshooting steps. For complex problems, contact customer support.

- **Unit not turning on:** Check power supply, circuit breaker, and remote control batteries.
- **Insufficient cooling/heating:** Ensure correct mode is selected, temperature setting is appropriate, and air filters are clean. Check for obstructions around indoor/outdoor units.
- **Unusual noises:** Minor operational noises are normal. Loud or persistent noises may indicate an issue; contact support.
- **Water leakage:** Check drain hose for blockages or improper installation.

For detailed troubleshooting guides and error codes, consult the comprehensive manual provided with your unit or visit the Della support website.

7. SPECIFICATIONS



Image: Technical drawing illustrating the dimensions and key specifications for both the indoor cassette unit and the outdoor condenser unit.

Specification	Value
Model Number	048-CC-12K2V-22S-I+O
Cooling Capacity	12,000 BTU/h
Heating Capacity	12,500 BTU/h
SEER2 Rating	22
Power Supply	208/230V~, 60Hz, 1P
Max Input Power	980 watts
Max Fuse Rating	15A
Air Flow Volume	610 m³/h
Sound Level	32 Decibels
Refrigerant Type	R454B (pre-charged)

Specification	Value
Operating Temperature (Heating)	Down to -13°F (-25°C)
Coverage Area	Up to 550 Square Feet
Indoor Unit Dimensions	22.5"D x 22.5"W x 9.63"H
Outdoor Unit Dimensions	31.88"D x 12.00"W x 21.63"H
Item Weight	32 pounds (Indoor Unit)

8. WARRANTY AND SUPPORT

DELLA offers comprehensive support for its products.

8.1 Limited Lifetime Warranty

Your DELLA Mini Split AC system is covered by a limited lifetime warranty, providing peace of mind regarding product quality and performance. This warranty covers manufacturing defects and ensures support throughout the product's lifespan. Specific terms and conditions apply; please refer to the warranty card included with your product or the official Della website for full details.



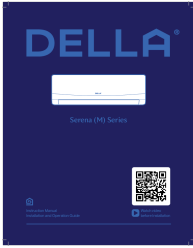



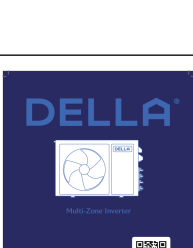
Image: A graphic depicting a shield with a checkmark, symbolizing the product's lifetime warranty and reliable coverage.

8.2 Customer Support

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

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

Visit the official Della website for contact information and additional resources.

	<p>DELLA Serena (M) Series Air Conditioner Installation and Operation Manual</p> <p>This comprehensive manual from DELLA provides detailed instructions for installing and operating the Serena (M) Series air conditioning system, covering safety, setup, functions, and troubleshooting.</p>
	<p>DELLA Cassette (CC) Series Air Conditioner Installation and Operation Manual</p> <p>Comprehensive installation and operation guide for the DELLA Cassette (CC) Series air conditioning units. Covers safety, installation steps, product specifications, troubleshooting, and maintenance for models like 048-CC and 048-TP series.</p>
	<p>DELLA Serena (M) Series Air Conditioner: Installation and Operation Manual</p> <p>Comprehensive installation and operation guide for the DELLA Serena (M) Series air conditioning units. This manual details safety, installation steps, product specifications, and operational procedures for models such as 048-MS-12K1VR-22S-M, ensuring optimal home comfort.</p>
	<p>DELLA Multi-Zone Inverter Air Conditioner Installation Manual & Guide</p> <p>This installation manual provides comprehensive guidance for DELLA Multi-Zone Inverter air conditioning systems, covering safety, parts, specifications, and step-by-step installation procedures for optimal performance.</p>
	<p>DELLA Multi-Zone Inverter: Installation and Operation Manual</p> <p>Comprehensive installation and operation guide for the DELLA Multi-Zone Inverter air conditioning system. Learn about setup, safety, features, and troubleshooting.</p>
	<p>DELLA Multi-Zone Inverter Air Conditioner: Installation and Operation Manual</p> <p>Comprehensive instruction manual for DELLA Multi-Zone Inverter Air Conditioners, detailing installation, operation, safety, maintenance, and troubleshooting. Includes guidance for models like 048-MS-18K-MODU.</p>