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

# DELLA Umbra Series 18000 BTU Mini Split AC & Heat Pump

## USER MANUAL

### 1. Introduction

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This manual provides essential information for the safe and efficient operation of your DELLA Umbra Series 18000 BTU Mini Split AC & Heat Pump. This unit offers cooling and heating for areas up to 1000 square feet and operates effectively in temperatures as low as 19 degrees Fahrenheit. It utilizes R32 refrigerant for improved air quality and energy efficiency. The system includes smart functions such as 4D air flow, 'I Feel' mode, a 24-hour timer, sleep mode, and eco energy-saving mode.

Please read this manual thoroughly before installation and use, and keep it for future reference. Professional installation is mandated for this system.

### 2. Safety Information

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#### Important Safety Instructions:

- This appliance is intended for residential use only.
- Installation must be performed by qualified professionals in accordance with all local and national electrical and HVAC codes.
- Ensure the power supply matches the unit's requirements (208-230V).
- Always disconnect power before performing any maintenance or servicing.
- Do not block the air inlet or outlet of either the indoor or outdoor unit.
- Handle refrigerant pipes with care to prevent damage and leaks.
- Line-set vacuuming is required during installation to remove air and moisture.
- If additional refrigerant is needed, ensure R32 availability at your local seller.

### 3. Product Overview

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#### 3.1 Components

The DELLA Umbra Series Mini Split system includes the following main components and accessories:

# We work remotely, too.

## Use Our Smart App For Complete Wireless Control.



**Components include:** 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.

### 3.2 Dimensions and Specifications

Refer to the diagram below for the physical dimensions of the indoor and outdoor units, along with key performance specifications.



# DELLA®

Serving Homes Since 2012

## Official Partner of LA Galaxy



### Key Specifications:

- **Model Number:** 18K2VR-17S-JPB-I+O
- **Cooling Capacity:** 18000 BTU/h
- **Heating Capacity:** 18000 BTU/h
- **Power Supply:** 208-230V~/60Hz/1PH
- **Max Input Power:** 2200 W
- **Air Flow Volume:** 850 m<sup>3</sup>/h
- **Max. Fuse Size:** 15 A

### 3.3 Key Features

The DELLA Umbra Series Mini Split offers advanced features for optimal comfort and efficiency:

## Cleaner Air, Healthier Living

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



- **Energy Efficiency:** Up to 36% energy saving.
- **Multiple Modes:** Cool, Heat, Dehumidify, Fan Only, ECO Mode.
- **Fan Speeds:** Quiet, Low, Mid, High, Turbo.
- **Smart Controls:** Alexa and WiFi Enabled, Dehumidifier, Fast Cooling and Heating, Remote Control.
- **Additional Features:** Child Lock, 24h Auto on/off, Multi-directional airflow.

## 4. Setup and Installation

Proper installation is crucial for the performance and longevity of your DELLA Mini Split unit. This system requires professional installation.

### 4.1 Pre-Installation Considerations

Before beginning installation, consider these critical steps:

1. **Installation Location:** The indoor unit must be at least 6 inches below the ceiling for proper air flow. Verify proper clearances for your model in the user manual's installation preview section. Ensure the wall is sturdy enough to hold the unit's weight without vibration. Keep inlet and outlet clear of obstructions.
2. **Refrigerant Pipes:** Handle refrigerant pipes carefully. Use a bending tool if available, or bend slowly to avoid damage. Damaged pipes can lead to leaks.
3. **Line Set Bundling:** After installing the indoor unit, ensure the line set is angled downward and the drain pipe points straight down to allow proper liquid flow and prevent leaks.
4. **Vacuum Pumping:** This is the most important step. Vacuum your lines for at least 15 minutes per line set to remove air and moisture for maximum efficiency. For multi-zone systems, vacuum each line set separately. Aim for 500 microns using a micron gauge, or -30 PSI with a manifold gauge.
5. **Electrical Connection:** Ensure safe electrical connection. Verify your home's voltage (110V or 220V) and select the appropriate size and quality UL-listed wire for the mini split system.

For a visual guide on these essential steps, please watch the video below:

Your browser does not support the video tag. Please update your browser.

*Video Description: This video provides 5 urgent steps to know before installing your DELLA Mini Split, covering critical aspects like location, pipe handling, line set bundling, vacuum pumping, and electrical connections.*

### 4.2 Installation Process

For a detailed walkthrough of the installation process, please refer to the official installation video:

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*Video Description: This official video guides you through the complete installation of your DELLA Mini Split Unit, from mounting the indoor unit to connecting the outdoor condenser and performing vacuum procedures.*

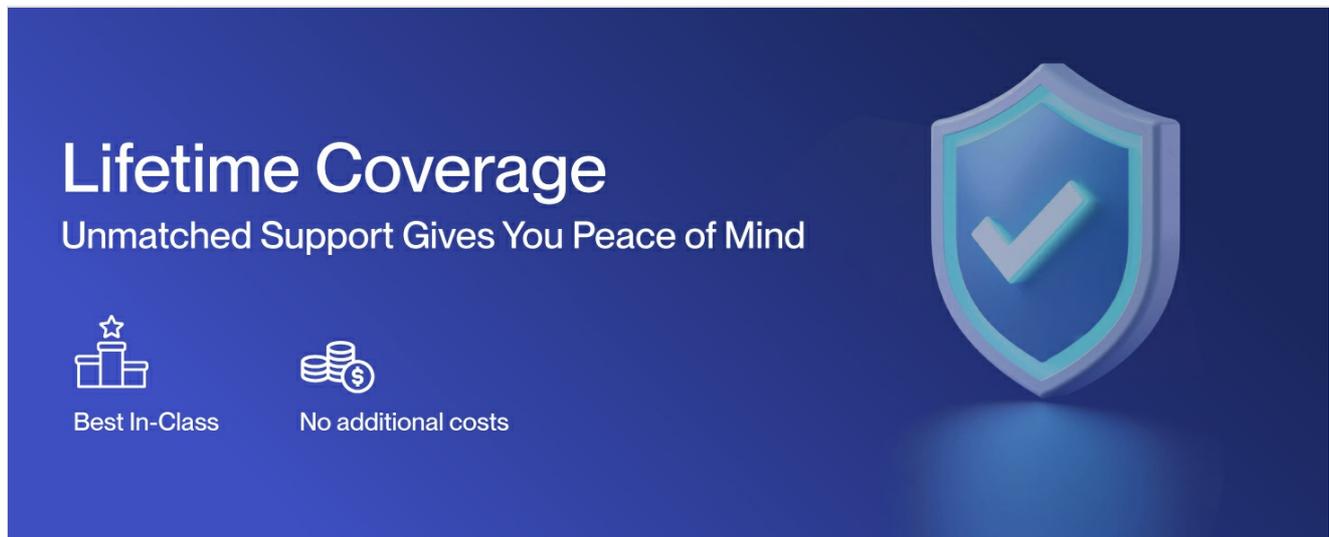
## 5. Operating Instructions

Your DELLA Mini Split unit is designed with several smart functions for ease of use and optimal comfort.

### 5.1 Remote Control Functions

The unit comes with a remote control to manage various settings including:

- **Modes:** Heating, Cooling, Dry (Dehumidifying), Fan Only, ECO.
- **Fan Speeds:** Multiple settings from quiet to turbo.
- **Airflow:** 4D air flow (up-down, left-right) for even distribution.
- **'I Feel' Mode:** Senses room temperature at the remote control for personalized comfort.
- **Timer:** 24-hour timer for scheduled operation.
- **Sleep Mode:** Automatically adjusts temperature for quiet comfort throughout the night.



**Lifetime Coverage**  
Unmatched Support Gives You Peace of Mind

 Best In-Class

 No additional costs

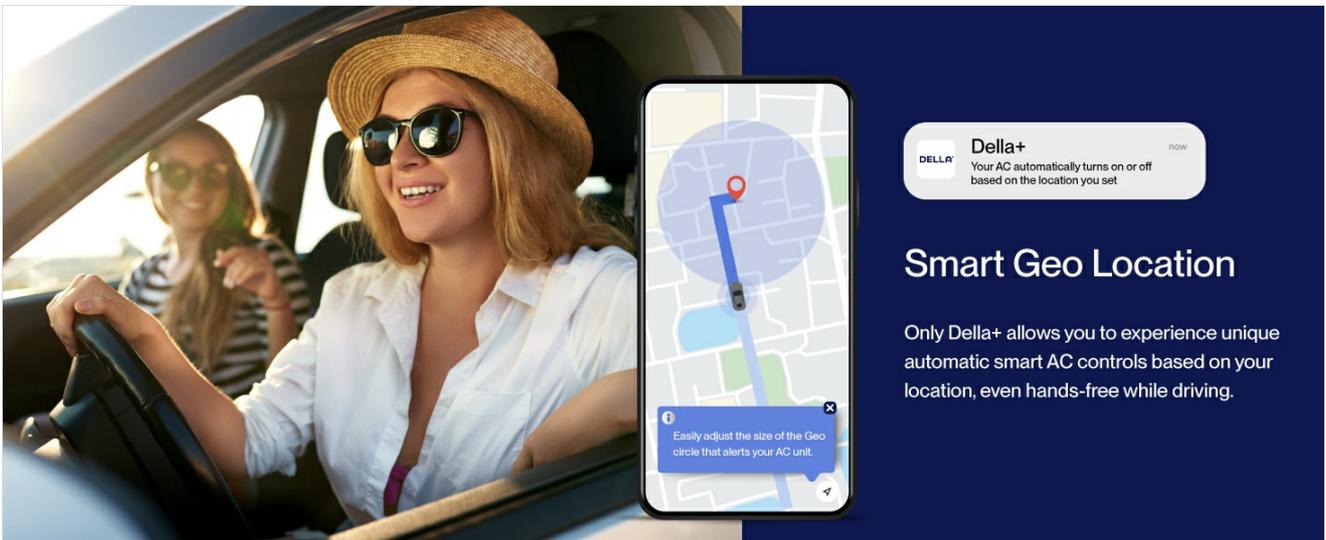


The banner features a dark blue background with white text and icons. On the right side, there is a large, 3D-style shield icon with a white checkmark inside. Below the main text, there are two smaller icons: a bar chart with a star above it, and a stack of three coins with a dollar sign on the top one.

*Image Description: A graph showing temperature adjustments over an 8-hour period in sleep mode, demonstrating how the unit maintains comfort while minimizing noise.*

### 5.2 Della+ App Control

Control your unit effortlessly with the free Della+ app, available for download from the app store. The app offers a sleek, user-friendly interface and works with Google Assistant and Alexa.



*Image Description: A smartphone screen displaying the Della+ app, illustrating the main control panel with temperature setting, mode selection, fan speed, and other functions.*

Learn more about the Della+ app features in the video below:

Your browser does not support the video tag. Please update your browser.

*Video Description: This video demonstrates the features and functionality of the Della Mini Split app 3.0, showcasing how to control your unit remotely.*

### 5.3 Smart Geo Location

The Della+ app features Smart Geo Location, allowing automatic AC controls based on your location, even hands-free while driving. You can easily adjust the size of the Geo circle that alerts your AC unit.

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*Image Description: A smartphone screen displaying the Della+ app's Smart Geo Location feature, showing a map with a geofence set around a location, indicating automatic AC control based on proximity.*

For instructions on setting up Geo Location, watch this video:

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*Video Description: This video explains how to set up and customize the Geo Location function in the Della+ app to automate your mini split unit based on your proximity.*

### 5.4 Schedules & Timer

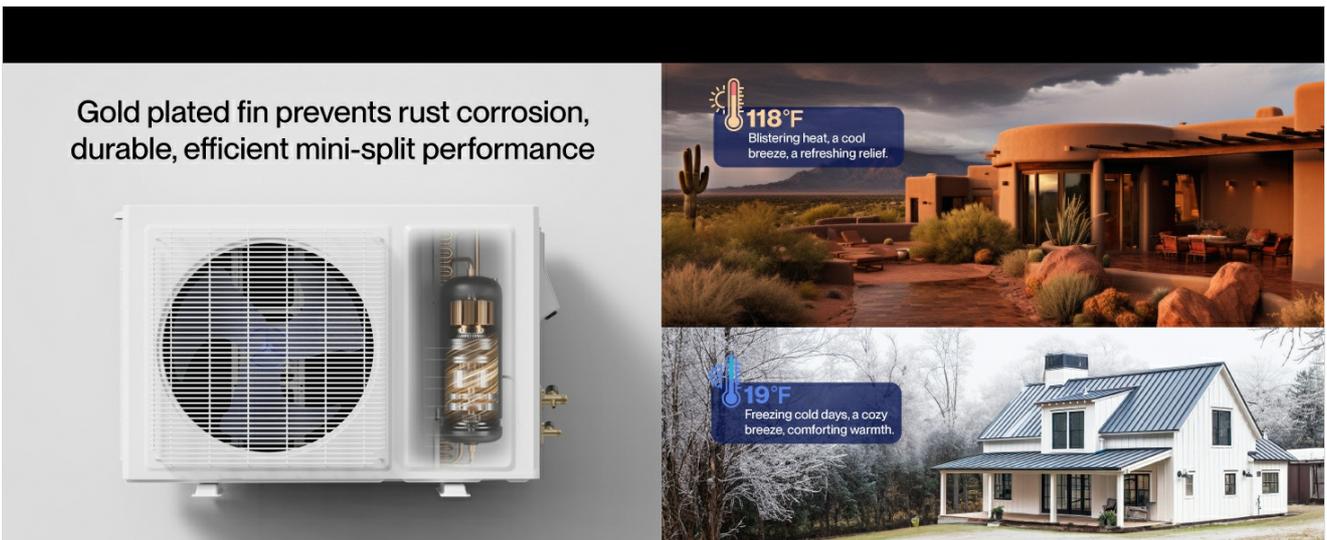
Set schedule time frames or customize a unique countdown timer to maintain your desired temperature.



*Image Description: A smartphone screen showing the Della+ app's scheduling and timer features, allowing users to program their unit's operation for specific times and days.*

### 5.5 Voice Control Compatibility

The unit seamlessly integrates with voice controls, working with popular smart home assistants like Alexa and Google Assistant.

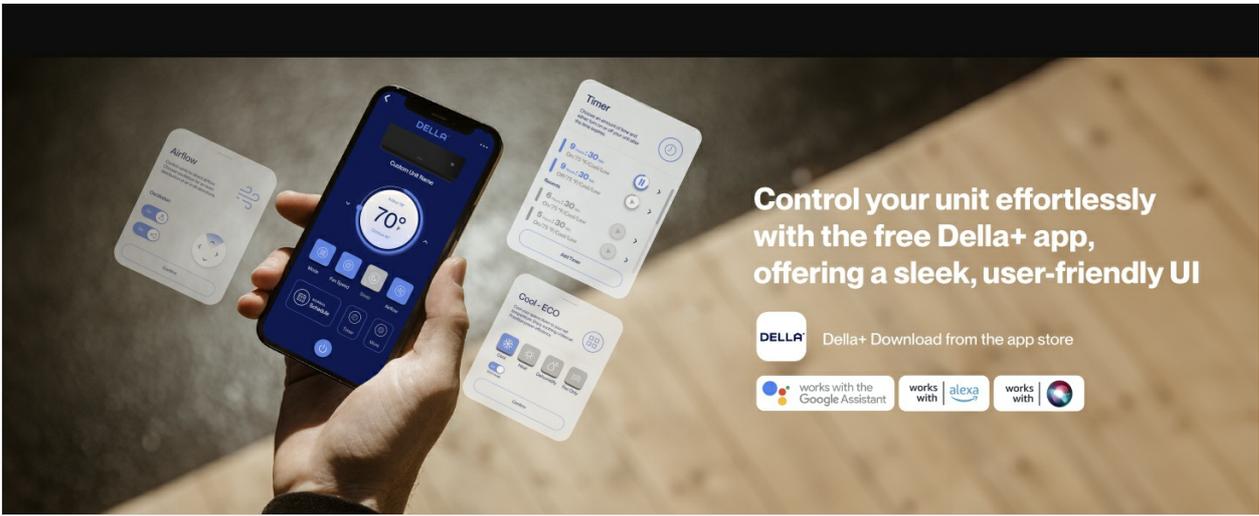


*Image Description: A smart speaker in a modern living room, illustrating the unit's compatibility with voice control systems like Alexa for convenient operation.*

## 6. Maintenance

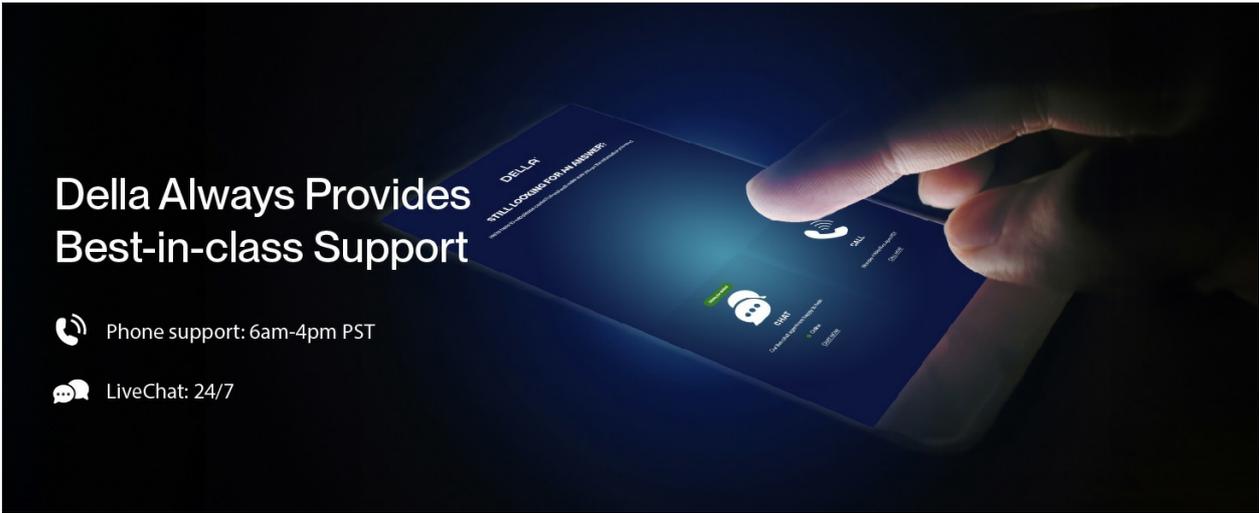
Regular maintenance ensures optimal performance and extends the lifespan of your DELLA Mini Split unit.

- **Filter Cleaning:** Regularly clean the air filters to maintain air quality and unit efficiency. Refer to the full user manual for specific instructions on filter removal and cleaning.
- **PureClean Technology:** The unit features PureClean tech to stop dust buildup and defrost your indoor unit, keeping your air fresher with advanced sterilization.



*Image Description: A cutaway view of the indoor unit highlighting the PureClean technology, which prevents dust buildup and defrosts the unit for cleaner air.*

- **Outdoor Unit:** Keep the outdoor unit clear of debris, plants, and obstructions (ensure no plants or objects within 3 ft of the appliance).
- **Gold Plated Fin:** The gold plated fin prevents rust corrosion, contributing to durable, efficient mini-split performance.



*Image Description: A visual representation of the outdoor unit's gold-plated fin, emphasizing its corrosion resistance and the unit's ability to operate across a wide temperature range for both cooling and heating.*

## 7. Troubleshooting

If you encounter issues with your DELLA Mini Split unit, refer to the following common troubleshooting tips. For more complex problems, contact customer support.

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 setting, low refrigerant.	Clean filters, clear obstructions, select correct mode, contact professional for refrigerant check.
Unusual noise	Loose parts, fan obstruction, unit not level.	Check for loose parts, clear fan, ensure unit is level.

Problem	Possible Cause	Solution
Water leakage	Blocked drain hose, improper installation of drain pipe.	Clear drain hose, ensure proper angle of drain pipe.
App connectivity issues	WiFi signal weak, incorrect app settings.	Check WiFi connection, reconfigure app settings.

## 8. Specifications

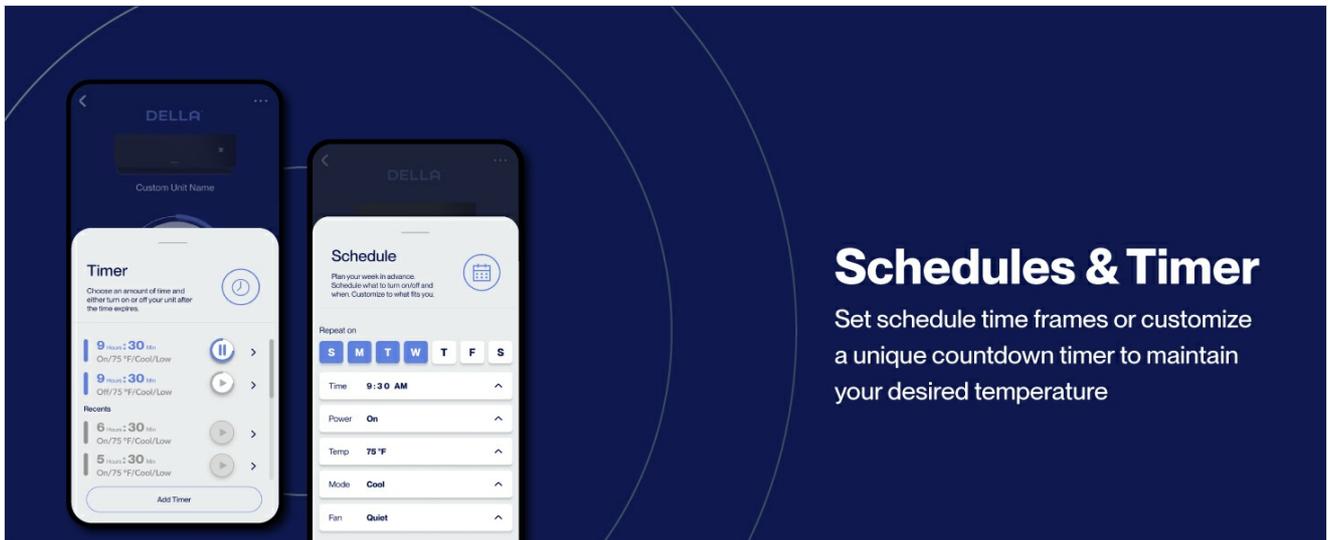
Detailed technical specifications for your DELLA Umbra Series Mini Split unit:

Specification	Value
Manufacturer	DELLA
Part Number	18K2VR-17S-JPB-I+O_1
Item Weight	75 pounds
Product Dimensions	37 x 8.82 x 12.44 inches
Item Model Number	18K2VR-17S-JPB-I+O
Size	18,000 BTU - 230V -- 19 SEER2
Color	Black
Power Source	Corded Electric
Voltage	230 Volts (AC)
Installation Method	Split system
Item Package Quantity	1
Sound Level	47 Decibels
Special Features	Alexa and WiFi Enabled, DeHumidifier, Fast Cooling and Heating, Remote Control
Batteries Included?	No
Batteries Required?	No
Date First Available	February 5, 2024

## 9. Warranty & Support

### 9.1 Warranty Information

DELLA offers Lifetime Coverage for unmatched support and peace of mind. This includes best-in-class coverage with no additional costs.



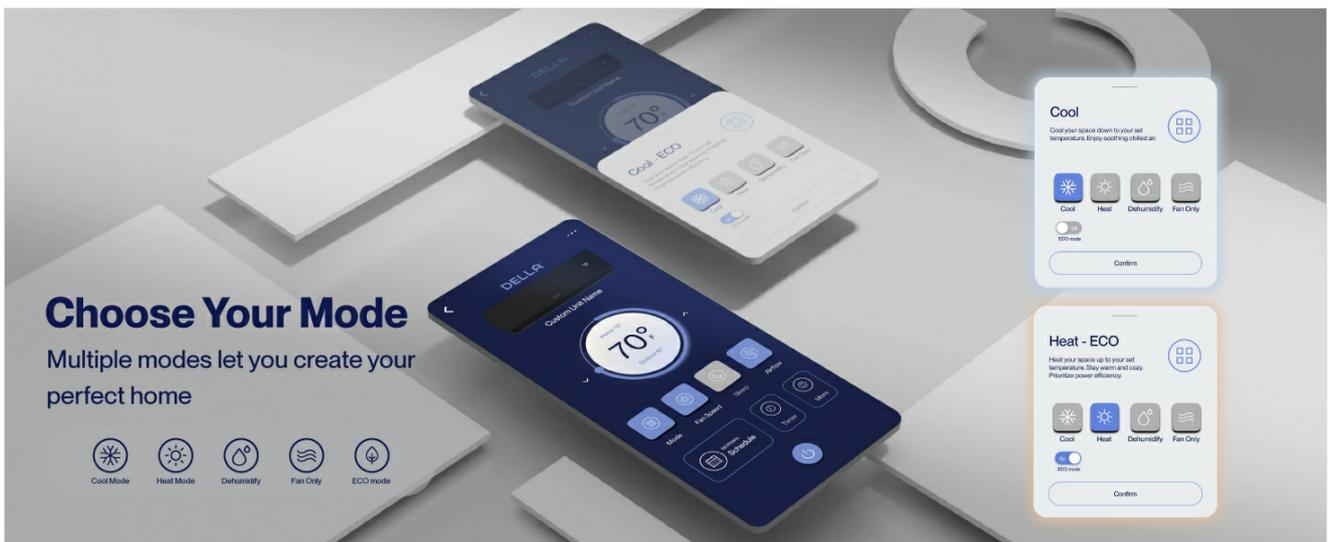
## Schedules & Timer

Set schedule time frames or customize a unique countdown timer to maintain your desired temperature

*Image Description: A graphic highlighting DELLA's Lifetime Coverage, symbolized by a protective shield, emphasizing best-in-class support without extra charges.*

### 9.2 Customer Support

DELLA always provides best-in-class support. For any questions or assistance, please contact our in-house technicians:



*Image Description: A visual representation of DELLA's customer support options, including phone support available from 6am-4pm PST and 24/7 live chat.*

- **Phone Support:** 6am-4pm PST (Monday-Friday)
- **LiveChat:** 24/7