



Manuals.plus /

- › Della /
- › DELLA 36K BTU Dual Zone Mini Split Air Conditioner Heat Pump User Manual

## Della 1D4-TL+D1818

# DELLA 36K BTU Dual Zone Mini Split Air Conditioner Heat Pump User Manual

Model: 1D4-TL+D1818

## PRODUCT OVERVIEW

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The DELLA 36K BTU Dual Zone Mini Split Air Conditioner Heat Pump is an energy-efficient system designed for cooling and heating multiple rooms. This unit features two indoor air handlers (18,000 BTU each) and one outdoor condenser, providing individual temperature control for up to 2000 sq. ft. It utilizes environmentally friendly R454B refrigerant and incorporates DC Inverter technology for power savings.



Image: The complete DELLA 36K BTU Dual Zone Mini Split system, showing the outdoor unit, two indoor units, remote controls, and installation kits.

## SAFETY INFORMATION

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### Important Safety Instructions:

- Always ensure all power sources are turned off before performing any installation, maintenance, or wiring.
- Installation of this system mandates professional installation. It is not a DIY mini split AC.
- Line-set vacuuming is required during installation. Any alteration of line-set length requires adjusting freon levels.
- Refer to local electrical codes and regulations for proper wiring and grounding procedures.
- Do not attempt to repair or service the unit yourself. Contact qualified service personnel.

This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (Proposition 65 warning).

## COMPONENTS AND PARTS

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The DELLA 36K BTU Dual Zone Mini Split system includes the following main components and accessories:

- Outdoor Condenser Unit
- Two Indoor Air Handler Units (18,000 BTU each)
- Remote Controls (one for each indoor unit)
- 16ft Copper Pipes (Standard size 1/4" & 3/8" outer dimension)
- Installation Kits (2 pcs)
- Drain Pipes (Length: 78.7")
- Multi-zone Air Conditioner
- User Manual



Image: Detailed diagram illustrating the various components included with the DELLA Mini Split system, such as indoor unit, outdoor unit, refrigerant pipe, remote control, and installation accessories.

## SETUP AND INSTALLATION

Professional installation is required for this unit. The following steps provide a general overview of the wiring process. Always consult a qualified HVAC professional for installation.

### Electrical Wiring Overview:

1. **Turn Off Power:** Before connecting any wires, ensure all power sources are turned off at the main breaker.
2. **Remove Electrical Compartment Cover:** Carefully remove the cover of the electrical compartment on the outdoor unit.
3. **Connect Unit to Condenser:** Begin by connecting the numbered wires from the indoor unit to their corresponding numbered terminals in the outdoor condenser's electrical compartment.
4. **Connect Grounding Wire (Green to Green):** Connect the green grounding wire to the designated green grounding terminal.
5. **Connect Power Cables:** Connect the main power cables to the condenser. The black wire typically connects to the 'N' (Neutral) terminal and the red wire to the 'L' (Live) terminal.
6. **Secure Connections:** Ensure all wire connections are secure and tightened properly.
7. **Replace Cover:** Carefully replace the electrical compartment cover.

Your browser does not support the video tag.

Video: An instructional video demonstrating how to correctly wire your DELLA mini split unit. This video provides general guidance on electrical connections for the outdoor condenser. Always ensure power is off before handling electrical components.

**Note:** This video is for general guidance. Installation should be carried out by qualified professionals. DELLA is not responsible for any accident, damages, or issues that may arise from attempting to install an air conditioner using these videos.

## OPERATING INSTRUCTIONS

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The DELLA Mini Split system offers various modes and features for optimal comfort and energy efficiency.

### Remote Control Functions:

# Made to live with you



## Smart Geo Location

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

Image: The remote control for the DELLA Mini Split system, highlighting various buttons and their functions for easy operation.

- **Power On/Off:** Turns the unit on or off.
- **Mode Selection:** Cycle through modes: Cool, Heat, Dry (Dehumidify), Fan Only, Auto Mode.
- **Temperature Adjustment:** Increase or decrease the set temperature (60-90 degrees Fahrenheit range).
- **Fan Speed:** Adjust fan speed (multiple speeds available).
- **Swing Function:** Control vertical and horizontal airflow direction (4D airflow).
- **Timer:** Set a 24-hour timer for automatic on/off.
- **Sleep Mode:** Adjusts temperature automatically for comfortable sleep and energy saving.
- **ECO Mode:** Energy-saving operation mode.
- **Turbo Function:** Provides rapid cooling or heating.
- **I Feel Mode:** Adjusts temperature based on the remote's sensor for localized comfort.

### Smart Control (Wi-Fi & App):

The unit is Wi-Fi enabled and can be controlled via the free Della+ app. This allows for remote control, scheduling, and

integration with smart home systems like Alexa and Google Assistant.



Image: A smartphone displaying the DELLA+ app interface, showing temperature control and various operational settings.

- **Remote Operation:** Control your unit from anywhere using the app.
- **Scheduling:** Set custom schedules and timers for operation.
- **Smart Geo Location:** Automatically adjusts AC based on your location (Della+ exclusive feature).
- **Voice Control:** Compatible with Alexa and Google Assistant for hands-free operation.

## MAINTENANCE

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

- **Filter Cleaning:** Clean the air filters in the indoor units regularly (e.g., every 2-4 weeks depending on usage). Refer to the indoor unit manual for specific instructions on filter removal and cleaning.
- **Outdoor Unit Cleaning:** Keep the outdoor condenser unit clear of debris, leaves, and other obstructions to ensure proper airflow.
- **Coil Cleaning:** Periodically inspect and clean the indoor and outdoor coils. This may require professional assistance.
- **Drainage Check:** Ensure the condensate drain line is clear and free of blockages to prevent water leaks.

**Note:** This model does not support the Self-Cleaning Function, even if the option appears on the display.

## TROUBLESHOOTING

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If you encounter issues with your DELLA Mini Split system, refer to the following common troubleshooting tips. For complex problems, contact professional service.

Problem	Possible Cause	Solution
Unit does not turn on.	No power, circuit breaker tripped, remote control battery low.	Check power supply, reset breaker, replace remote batteries.
Insufficient cooling/heating.	Dirty air filters, blocked outdoor unit, low refrigerant, incorrect mode setting.	Clean filters, clear obstructions, check refrigerant levels (professional), verify mode.
Unusual noise from unit.	Loose parts, fan obstruction, refrigerant flow noise.	Inspect for loose parts or obstructions. Some noises (e.g., gurgling) are normal.
Water leaking from indoor unit.	Clogged drain line, improper installation.	Clear drain line. If problem persists, contact professional installer.
Wi-Fi connectivity issues.	Router issues, incorrect Wi-Fi settings, app issues.	Restart router, reconfigure Wi-Fi settings in app, ensure app is updated.

## SPECIFICATIONS

Feature	Detail
Model Number	1D4-TL+D1818
Cooling/Heating Capacity	36,000 BTU/h (2 x 18,000 BTU indoor units)
SEER2 Rating	19 SEER2
Voltage	208-230V
Wattage	2930 watts
Coverage Area	Up to 2000 Sq. Ft (each indoor unit recommended for 1000 Sq. Ft)
Refrigerant Type	R454B (Pre-charged)
Operating Temperature Range	Heating down to -13°F (-25°C)
Noise Level	49 dBa (Ultra silent)
Dimensions (Outdoor Unit)	39.75 x 8.69 x 12.38 inches
Weight (Item)	27.6 pounds
Special Features	Remote Control, WiFi Enabled, Fast Cooling, Dehumidifier, 4D Air Flow, I Feel Mode, 24 Hour Timer, Sleep Mode, Eco Energy Saving Mode, Multiple Fan Speeds, Turbo Function.

# Make every room your comfort zone

Set each mini split to someone's personal comfort zone or leave it off and save \$\$\$\$. Better for your wallet & the earth.

**50ft** total line set  
pre-charged



No extra refrigerant needed  
Just install and enjoy!

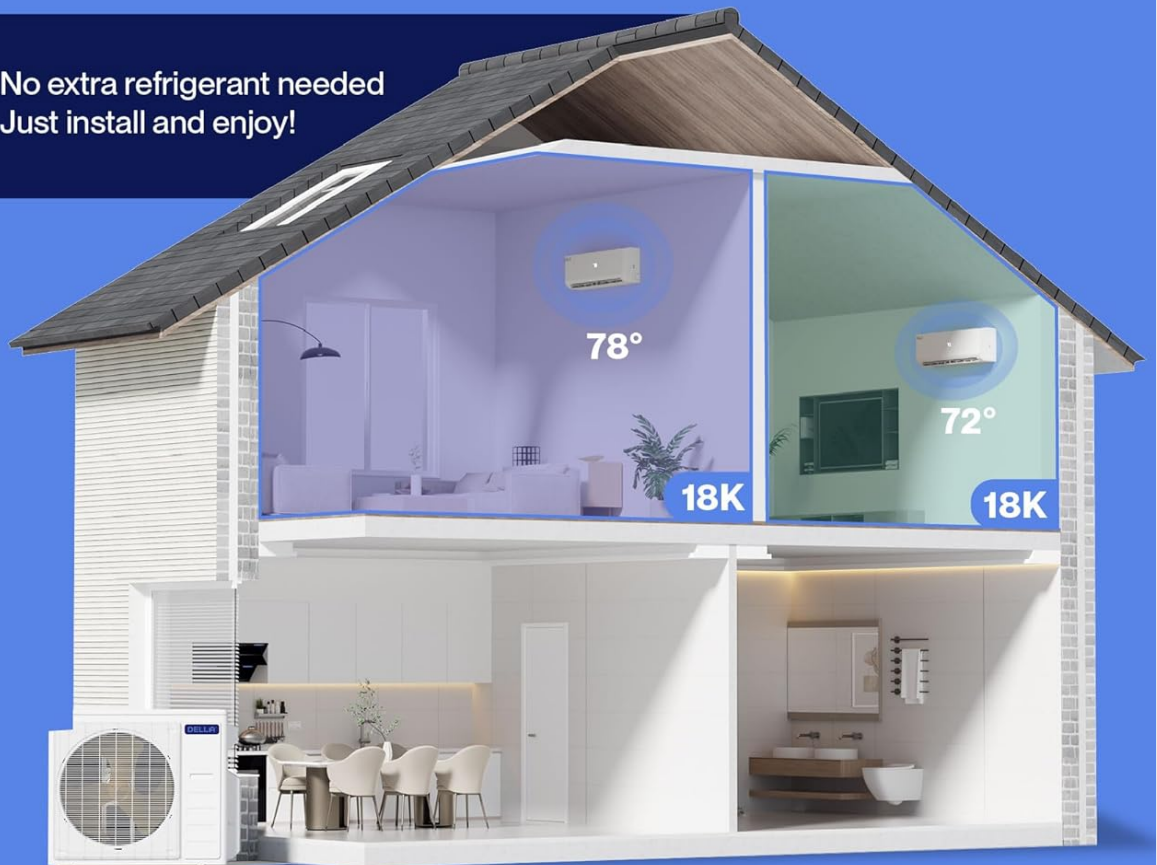


Image: The outdoor condenser unit of the DELLA Mini Split system, showcasing its compact design.

## WARRANTY AND SUPPORT

DELLA offers comprehensive support for its products.

- **Lifetime Coverage:** Unmatched warranty for peace of mind.
- **Customer Support:** 24/7 live chat support available. Phone support is available from 6 AM to 4 PM PST.
- **User Manual:** A detailed PDF user manual is available for [download here](#).

**36%**  
Vario series air conditioner is designed for efficient energy usage. Up to 36% energy saving

- Child Lock
- Multi-directional airflow
- 24h Auto on/off
- Energy-saving sleep mode

**7** Wind Speeds

- Quiet
- Low
- Mid Low
- Mid
- Mid High
- High
- Turbo

**6** Modes

- Auto Mode
- Cool Mode
- Heat Mode
- Dehumidify
- Fan Only
- ECO Mode

DELLA

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Image: Information regarding DELLA's customer support, including phone and live chat availability.