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› CNCEST Universal Air Conditioner UN User Manual

CNCEST UN

CNCEST Universal Air Conditioner UN User Manual

Model: UN | Brand: CNCEST

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your CNCEST Universal Air Conditioner UN. Please read this manual thoroughly before using the product to ensure proper function and safety.

The CNCEST Universal Air Conditioner UN is designed as an underdash A/C evaporator, ideal for adding an air conditioning system to vehicles that did not originally include one, such as classic cars, motorhomes, and heavy equipment. It features a 32-pass, 4-way coil for maximum airflow and cooling capacity.

SAFETY INFORMATION

Important Safety Instructions:

- Ensure the vehicle's electrical system is disconnected before installation to prevent electrical shock.
- Installation should only be performed by qualified personnel or with strict adherence to these instructions.
- This unit provides cooling function only; it does not have a heating function.
- The vehicle must already have a compressor and other air-conditioning system accessories installed before this evaporator can be added.
- Do not operate the unit if any components are damaged.
- Keep hands and foreign objects away from air inlets and outlets during operation.

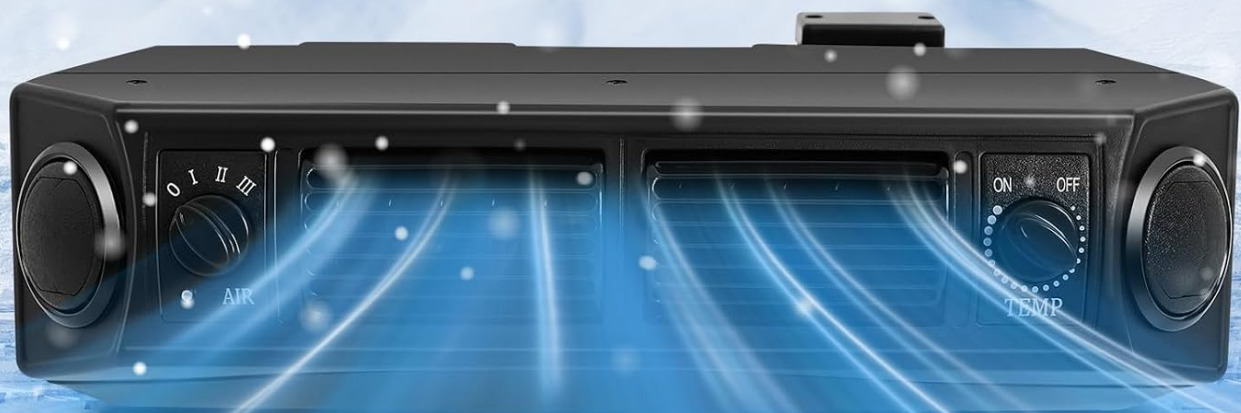
PRODUCT FEATURES

- **Universal Application:** Designed for adding A/C to vehicles without factory air conditioning, including classic cars, motorhomes, and heavy equipment.
- **High Cooling Capacity:** Features a 32-pass, 4-way aluminum coil for maximum airflow and cooling efficiency.
- **Durable Construction:** Made with a high-impact injected plastic case, quality expansion valve, and thermostat.
- **Adjustable Airflow:** Equipped with a rotative 3-speed blower switch for customizable air circulation.

- **Compact Design:** Underdash mounting for convenient placement.
- **Low Noise Operation:** Designed for quiet performance.

Good Cooling Effect

It only can be used for cooling



Refrigeration Capacity
3640kcal/H



Refrigerant
R12(Excluded)



Number of Cold Aluminium Tubes
32

Image: The CNCEST Universal Air Conditioner UN demonstrating its cooling capabilities with blue airflow lines, highlighting its good cooling effect.

Low Noise

Pure Copper Motor; Uneasy to affect you or others



80dB
On the Road



65dB
Air Conditioning Evaporator



30dB
Library



Image: The CNCEST Universal Air Conditioner UN illustrating its low noise operation, comparing its 65dB output to typical road noise (80dB) and a library (30dB).

Adjustable Design

Meet your different needs



Air Flow
3 Speed



Temperature
3-8°C/37.4-46.4°F

Image: The CNCEST Universal Air Conditioner UN highlighting its adjustable design with controls for 3-speed airflow and temperature ranging from 3-8°C (37.4-46.4°F).

PACKAGE CONTENTS

Upon opening the package, verify that all the following components are present and undamaged:

- 1 x 12V Evaporator Unit
- 1 set x Accessory (including mounting brackets and drain hose with T-connector)



Image: The main components included in the package: the 12V evaporator unit, two mounting brackets, and a drain hose with a T-connector.

Detailed Information



Drain Hose

Efficient Drainage

Mounting Brackets

Easy to Secure

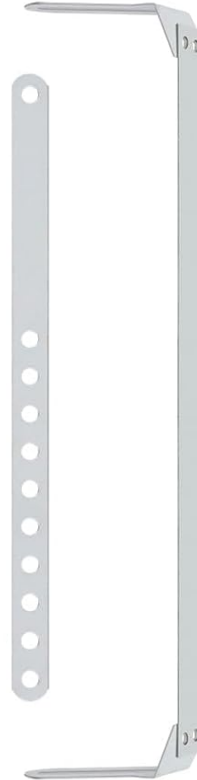


Image: A closer look at the included drain hose for efficient drainage and the mounting brackets designed for secure installation.

SETUP AND INSTALLATION

This evaporator unit is designed for universal underdash installation. Ensure your vehicle already has a functional A/C compressor and other necessary system components before proceeding.

Pre-installation Checklist:

- Confirm vehicle displacement is above 1.4L.
- Ensure the vehicle has an existing A/C compressor and associated system accessories.
- Gather necessary tools for installation (e.g., screwdrivers, wire strippers, crimpers, multimeter).
- Disconnect the vehicle's battery before starting any electrical work.

Wiring Instructions:

Follow these steps carefully for electrical connections:

1. **Black Wire:** Connect the black wire (from the screw position) to the **negative line** of the car battery.
2. **Red Wire:** Connect the red wire to the **positive line** of the car battery.
3. **Green Wire:** Connect the green wire to the **compressor control line**.

Note: Proper polarity and connection to the compressor control line are crucial for correct operation. Consult a professional if unsure.

Mounting:

Use the provided mounting brackets to securely attach the evaporator unit under the dashboard. Ensure the unit is level and positioned to allow for optimal airflow and drainage.

Wide Applications

It is a universal type and can be installed on all types of vehicles

Trucks



Caravans



Pickups



Buses



Image: Examples of vehicles such as trucks, caravans, pickups, and buses, illustrating the wide range of applications for this universal air conditioning evaporator.

OPERATING INSTRUCTIONS

Once installed and connected, operate the unit using the controls on the front panel.

Controls:

- **Air Flow Speed Knob (I, II, III):** This knob controls the fan speed.
 - **0:** Off
 - **I:** Low Speed
 - **II:** Medium Speed
 - **III:** High Speed
- **Temperature Knob (ON/OFF, TEMP):** This knob controls the cooling function and temperature.
 - **OFF:** Turns the cooling function off.
 - **ON:** Activates the cooling function.
 - **TEMP Dial:** Adjusts the desired cooling temperature.
- **Air Outlets:** The front vents can be adjusted to direct airflow as desired.



Image: A hand demonstrating the adjustment of the temperature control knob on the CNCEST Universal Air Conditioner UN.

High Working Efficiency

Quick to enjoy a cooler interior environment in a hot summer



Air Outlets

Easy to Adjust Wind's Direction



680m³/H
Maximum Air Volume



80W
Power



440m³/H
Circulating Air Volume

Image: The CNCEST Universal Air Conditioner UN highlighting its air outlets, which are easy to adjust for wind direction, contributing to high working efficiency.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your air conditioner.

- **Clean Exterior:** Wipe the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Check Drain Hose:** Periodically inspect the drain hose for blockages or kinks to ensure proper condensation drainage. Clear any obstructions immediately.
- **System Check:** Have your vehicle's entire A/C system (including compressor and refrigerant levels) checked by a qualified technician annually.

TROUBLESHOOTING

Refer to the table below for common issues and their solutions.

Problem	Possible Cause	Solution
Unit does not turn on.	No power connection; Blown fuse; Incorrect wiring.	Check battery connections (red and black wires); Inspect vehicle's fuse box; Verify wiring according to installation instructions.
No cold air.	Low refrigerant in vehicle's A/C system; Compressor not engaging; Incorrect green wire connection.	Check vehicle's A/C system refrigerant level; Ensure compressor is functioning; Verify green wire is correctly connected to compressor control line.
Weak airflow.	Fan speed set too low; Blocked air inlets/outlets.	Increase fan speed using the knob; Clear any obstructions from air vents.
Water dripping from unit.	Blocked or kinked drain hose.	Inspect and clear the drain hose for any blockages or kinks.

If the problem persists after attempting these solutions, please contact customer support or a qualified automotive technician.

SPECIFICATIONS

Feature	Detail
Model	UN
Type	404 Single cooling type (Evaporator)
Material	Plastic housing, 32 pass 4 way coil (Aluminum coil)
Voltage	12V
Current	15A
Power	30W
Cooling Capacity BTU	Approx. 11000BTU / 3200kcal/h
Air Flow Speed	3 speeds
Product Dimensions (L x W x H)	40cm x 32cm x 13cm (15.7" x 13.8" x 5.5")
Net Weight	4.5kg (9.9 lbs)
Noise Level	3E+1 dB (approx. 65dB as per image)
Refrigerant Type (Not Included)	R12 (Excluded) - <i>Note: Modern systems typically use R134a. Consult a professional for refrigerant compatibility.</i>

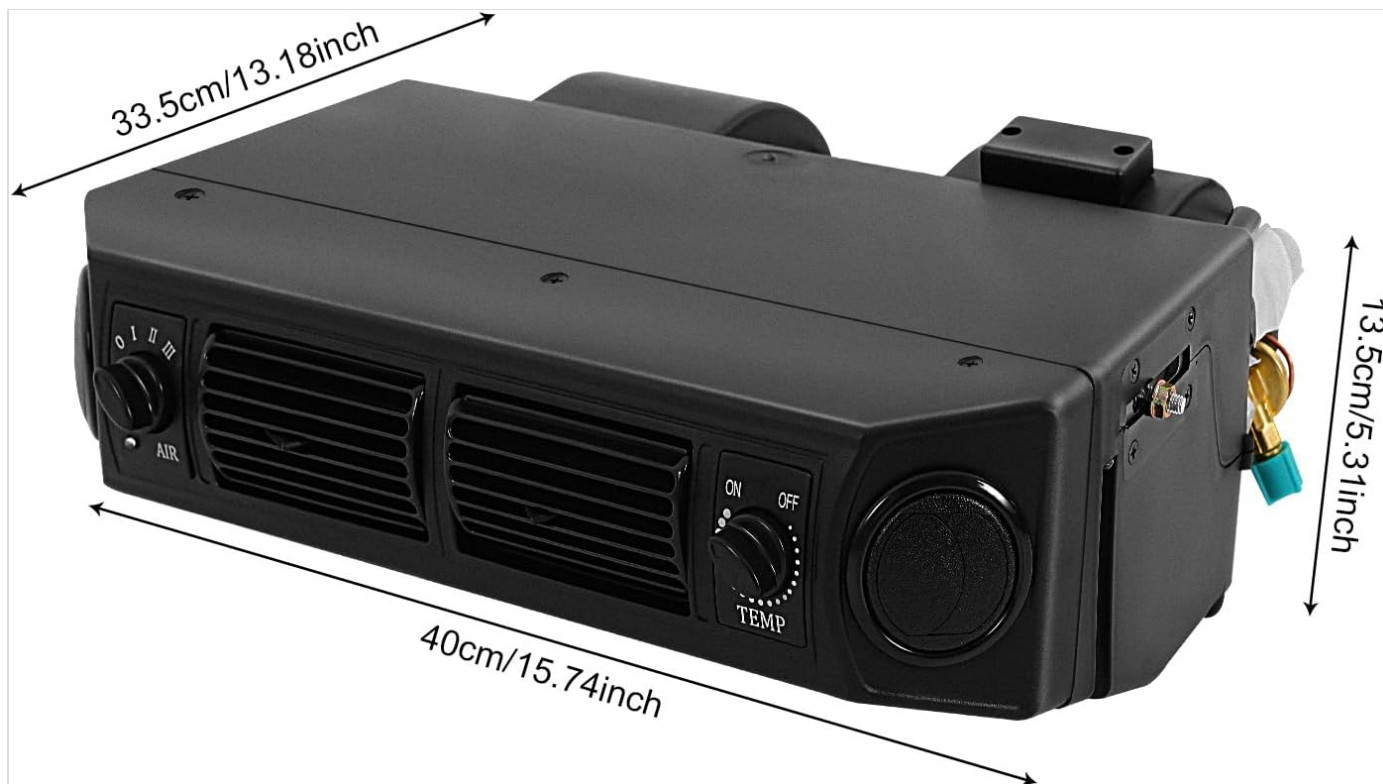


Image: Detailed dimensions of the CNCEST Universal Air Conditioner UN, showing length (40cm/15.74inch), width (33.5cm/13.18inch), and height (13.5cm/5.31inch).

WARRANTY INFORMATION

Specific warranty details are typically provided at the point of purchase or within separate documentation. Please retain your purchase receipt for warranty claims. For information regarding product protection plans, refer to the options available at the time of purchase, such as 3-Year or 4-Year Protection Plans.

CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or inquiries regarding parts and service, please contact CNCEST customer support through their official channels or the retailer from whom the product was purchased.

You can visit the official CNCEST store on Amazon for more information: [CNCEST Store](#)