

Ballu NCA1-4.6-PRO

Ballu Convection Panel Space Heater NCA1-4.6-PRO Instruction Manual

Model: NCA1-4.6-PRO

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INTRODUCTION

Thank you for choosing the Ballu Convection Panel Space Heater. This manual provides essential information for the safe and efficient operation of your new heater. Please read it thoroughly before use and retain it for future reference.

The Ballu Convection Panel Space Heater (Model NCA1-4.6-PRO) is designed for indoor use, offering smart heating solutions with programmable thermostat, WiFi app control, and inverter technology for energy efficiency. It is compatible with Alexa for convenient voice control.



Image: The Ballu Convection Panel Space Heater, shown with its remote control and a smartphone displaying the control app. The heater is white and gray, standing on white feet.

IMPORTANT SAFETY INFORMATION

Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and injury.

- **Placement:** Ensure the heater is placed on a stable, level surface. Maintain a safe distance from combustible materials.
- **Power Supply:** Connect the heater to a properly grounded outlet. Do not overload circuits. The power cord is V0-rated flame-retardant.
- **Overheat Protection:** The heater includes built-in overheat protection. If the heater overheats, it will automatically shut off. Unplug the cord and allow 15 minutes to cool down before attempting to restart.
- **Tip-Over Protection:** Equipped with smart tip-over protection, the heater will automatically shut off if accidentally knocked over.
- **Child Lock:** Utilize the child lock function to prevent unintended changes to settings.
- **Do Not Cover:** Never cover the heater, as this can lead to overheating and fire hazards.

- **Supervision:** Close supervision is necessary when any appliance is used by or near children or individuals with reduced physical, sensory, or mental capabilities.
- **Indoor Use Only:** This appliance is designed for indoor use only.



Image: A close-up of the top of the heater, clearly showing the 'DO NOT COVER' warning for safety.

SETUP

1. Unpacking

Carefully remove the heater and all accessories from the packaging. Retain the packaging for future storage or transport. The heater comes with a dust-proof storage bag for off-season protection.

Your browser does not support the video tag.

Video: An overview of the Ballu Convection Panel Space Heater, highlighting its features and design. This video is provided by Ballu Direct.

2. Installation Options

The Ballu Convection Panel Space Heater offers two installation methods: freestanding with portable casters or wall-mounted. All necessary accessories are included for both options.

Freestanding Installation (with Casters)

Attach the provided caster wheels to the base of the heater. The wheels are designed for easy movement across various floor surfaces. No tools are required for this installation.

Dual Sensor

System

Intelligent Environmental Sensing



Dual Sensor
Digital Inverter



Remote Sensor

Digital Inverter

Exposed Sensor

Image: The Ballu heater shown with its detachable wheels, illustrating its portability for freestanding use.

Wall-Mounted Installation

The heater can be securely mounted to a wall using the included brackets and screws. Follow the detailed instructions in the quick start guide for proper wall mounting. Ensure the mounting location is suitable and provides adequate clearance from other objects.

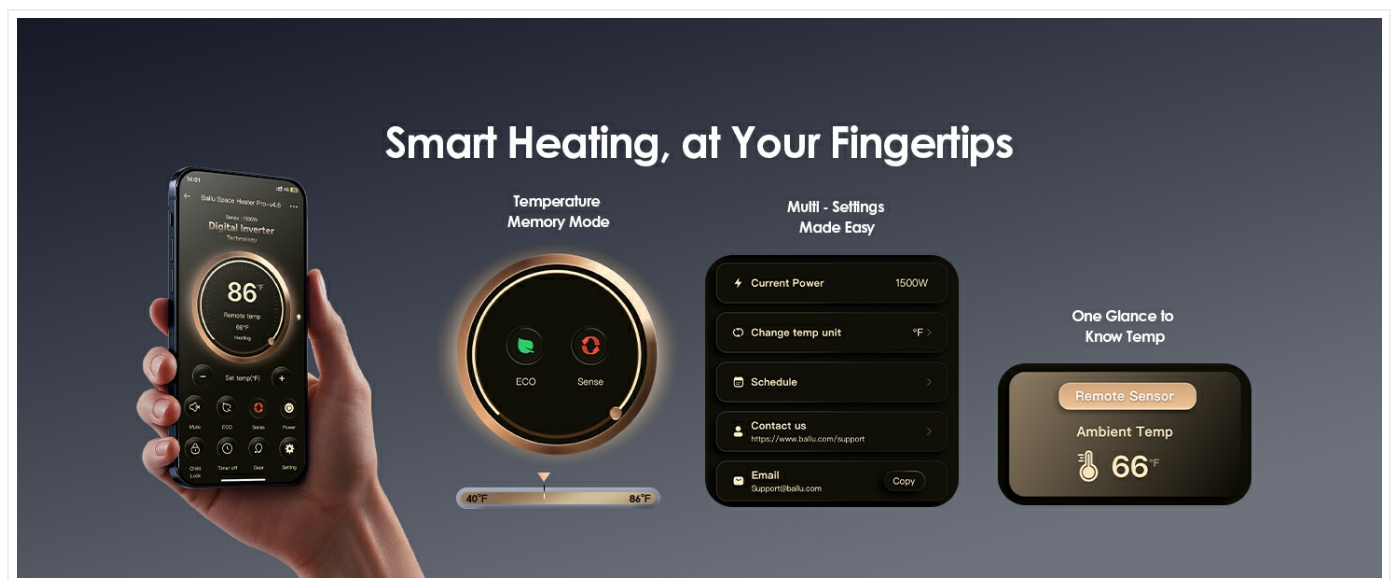


Image: The Ballu heater is shown mounted on a wall in a bedroom, demonstrating its space-saving installation option.

3. Remote Control Setup

The remote control requires two AAA batteries (not included). Open the battery compartment on the back of the remote and insert the batteries, observing polarity. The remote features an LED display showing set temperature, current room temperature, and heating mode.

Your Comfort Simplified



Smart
Control



Personalized
Schedule



Image: A close-up of the remote control for the Ballu heater, showing its digital display and various control buttons.

OPERATION

1. Control Panel

The heater features an intuitive touch control panel located on the top of the unit. This panel allows you to power on/off, select modes, adjust temperature, set timers, and manage WiFi connectivity.

Digital Inverter Technology

Save Your Bill

**Patented**
technology

**Dual Sensor**
Digital inverter



Digital Inverter Technology

More Stable and Precise Temp control

● Ballu

● Others



Temperature

70°F

More Stable Temp

Minutes

Image: A detailed view of the heater's top control panel, showing the digital temperature display and touch-sensitive buttons for various functions.

2. Remote Control

The remote control provides convenient access to all heater functions from a distance. It includes buttons for Power, ECO mode, Light (to turn off display lights), Mute (for button beeps), Timer, and temperature adjustment (+/-). The remote has a built-in temperature sensor for accurate readings in its vicinity.

Your browser does not support the video tag.

Video: A user demonstrates the unpacking, remote control, and app functions of the Ballu Convection Panel Space Heater, highlighting its quiet operation and portability.

3. App Control (WiFi)

The Ballu Space Heater can be controlled via a smartphone app (Smart Life app, available on Google Play and App Store) and is compatible with Alexa. This allows for advanced features such as:

- **Remote Power On/Off:** Control the heater from anywhere.
- **Temperature Adjustment:** Precisely set your desired room temperature.
- **Mode Selection:** Switch between Boost, Comfort, and ECO modes.
- **Scheduling:** Create personalized heating schedules for different times of the day or week.
- **Power Level Setting:** Adjust power output (e.g., 1500W or 750W).
- **Child Lock Activation:** Remotely enable or disable the child lock.
- **Light Off Function:** Turn off the display lights for undisturbed sleep.
- **Voice Control:** Integrate with Alexa for hands-free operation.

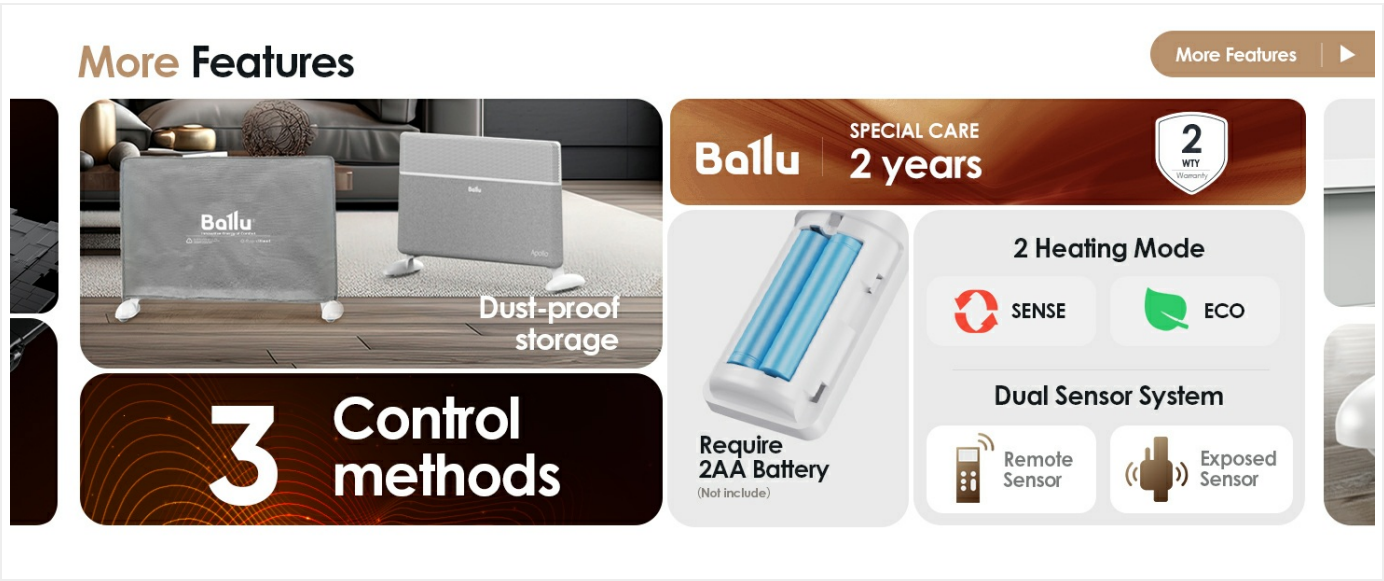


Image: A smartphone screen displaying the Ballu heater's control app, showing temperature settings, modes, and scheduling options.

4. Heating Modes

- **Boost Mode (Red Indicator):** Fast heating with full 1500W power. Disregards temperature settings initially. After 3 hours, it automatically switches to Comfort mode.
- **Comfort Mode (Yellow Indicator):** Default setting, maintains temperature between 50-86°F (10-30°C).
- **ECO Mode (Green Indicator):** Energy-saving mode, maintains temperature between 50-86°F (10-30°C) but saves approximately 4°F/2°C of energy compared to Comfort mode.

5. Child Lock Function

To activate the child lock, long-press the up and down temperature buttons on the control panel simultaneously for 2 seconds. This prevents accidental changes to settings. To deactivate, repeat the process.

MAINTENANCE

- **Cleaning:** Ensure the heater is unplugged and completely cooled before cleaning. Use a soft, damp cloth to wipe the exterior. Do not use abrasive cleaners or allow water to enter the unit.
- **Storage:** When not in use, especially during off-season, store the heater in a cool, dry place. Use the provided dust-proof storage bag to protect it from dust and debris. Ensure the heater is completely cooled down before covering.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Heater does not turn on.	Not plugged in, power outage, overheat protection activated, tip-over protection activated.	Check power connection. Verify power supply. If overheat/tip-over protection is active, unplug, allow 15 minutes to cool, then retry.
Heater is on but no heat.	Temperature setting is too low, ECO mode active.	Increase the target temperature. Switch to Comfort or Boost mode if faster heating is desired.
WiFi connection issues.	Incorrect WiFi password, router too far, 2.4GHz network not selected.	Ensure correct password. Move heater closer to router. Confirm connection to a 2.4GHz WiFi network. Reset WiFi on the control panel if needed.
Remote control not working.	Batteries are dead or incorrectly inserted.	Replace batteries (2x AAA). Check battery polarity.
Beeping sounds are annoying.	Default setting.	Use the "Mute" button on the remote control or app to silence button beeps.

For further assistance, please contact customer service at Support@ballu.com.

SPECIFICATIONS

- Brand:** Ballu
- Model Number:** NCA1-4.6-PRO
- Color:** Fabric White
- Form Factor:** Floor Standing / Wall Mount
- Indoor/Outdoor Usage:** Indoor
- Product Dimensions:** 4"D x 27"W x 16"H
- Heating Coverage:** Up to 250 sq ft (Primary), Over 500 sq ft (Supplemental)
- Burner Type:** Hedgehog Heating Element
- Heat Output:** 1500 Watts
- Fuel Type:** Electric
- Voltage:** 120 Volts
- Amperage:** 12.5 Amps

Min Temperature Setting: 40 Degrees Fahrenheit

Max Temperature Setting: 86 Degrees Fahrenheit

Special Features: Bladeless, Child Lock, Digital Display, Fast Heating, Flame Resistant, Overheat Protection, Tip-over Protection, Energy Efficient, Noiseless, Programmable Thermostat, Wi-Fi Enabled.

Item Weight: 13.87 pounds

WARRANTY AND SUPPORT




The Ballu Convection Panel Space Heater is backed by a **2-year warranty**, ensuring long-term performance and peace of mind. For warranty claims, technical support, or any product-related inquiries, please contact:

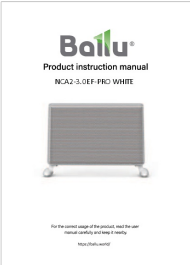


Email: Support@ballu.com

Please have your model number (NCA1-4.6-PRO) and purchase date available when contacting support.



Related Documents - NCA1-4.6-PRO

	<p>Ballu NCA1-4.5-PRO Convection Heater: User Manual & Operating Guide</p> <p>Comprehensive user manual for the Ballu NCA1-4.5-PRO convection heater, covering installation, operation, safety, troubleshooting, app control, and warranty information.</p>
	<p>Ballu Convection Heater NCA1-4.OEF User Manual</p> <p>Comprehensive user manual for the Ballu Convection Heater NCA1-4.OEF, covering installation, operation, safety instructions, troubleshooting, and warranty information.</p>
	<p>Ballu NCA1-4.3 Heater: Instruction Manual, Features, and Support</p> <p>Comprehensive instruction manual for the Ballu NCA1-4.3-WHITE and NCA1-4.3-BLACK convection heaters. Includes installation guides, safety instructions, operating procedures, app control, troubleshooting, warranty, and support information.</p>

	<p>Ballu NCA2-3.0EF-PRO WHITE: Product Instruction Manual</p> <p>This document provides comprehensive instructions for the Ballu NCA2-3.0EF-PRO WHITE panel heater. It covers product components, installation (foot fitting and wall mounting), operation modes (Comfort, Eco, Boost), Wi-Fi control via the Smart Life app, troubleshooting common issues, care and cleaning procedures, important safety warnings, and warranty information.</p>
	<p>Ballu NCA1-4.0EF Series Convection Heater: Product Instruction Manual</p> <p>Comprehensive instruction manual for the Ballu NCA1-4.0EF series convection heaters, covering components, installation, operation, troubleshooting, safety, and warranty. Learn how to safely and effectively use your Ballu heater.</p>
	<p>Ballu NCA2-4.3-WHITE/BLACK Convection Heater: User Manual & Instructions</p> <p>Comprehensive user manual for the Ballu NCA2-4.3-WHITE and NCA2-4.3-BLACK convection heaters. Includes installation guides, operating instructions, safety precautions, troubleshooting, app control, and warranty information.</p>