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ADAX 80-320020

Adax Neo WiFi Electric Heater 2000W - Model 80-320020 User Manual

Your guide to installation, operation, and maintenance.

1. Introduction

The Adax Neo WiFi Electric Heater (Model 80-320020) is a modern, energy-efficient heating solution designed for comfort and convenience. Featuring a sleek Scandinavian design, this 2000W wall-mounted convector heater offers advanced control through its integrated WiFi thermostat, allowing management via a smartphone or tablet application. It complies with EcoDesign directive requirements, incorporating features like 24-hour programming, window open detection, and adaptive heat start time adjustment for optimal energy use.

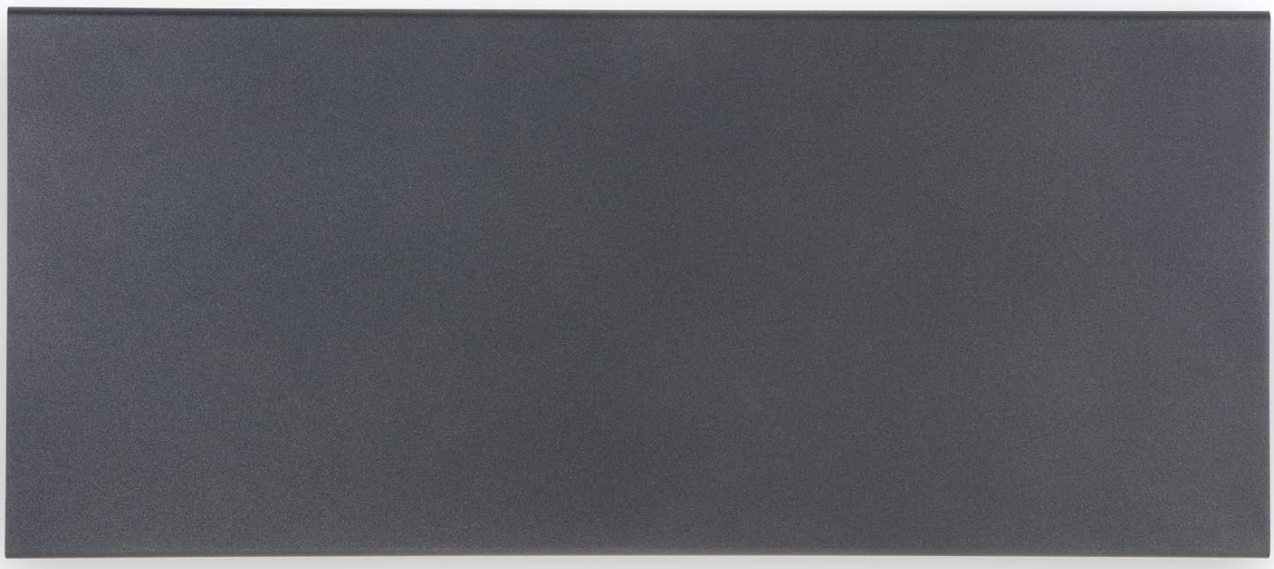


Image 1: Front view of the Adax Neo WiFi Electric Heater. This modern, slim-profile heater is designed for wall mounting.

2. Safety Information

Please read all safety instructions carefully before installation and use. Retain this manual for future reference.

- Ensure the power supply voltage matches the heater's requirements (230V).
- Do not cover the heater, as this can cause overheating and fire hazards.
- Keep flammable materials at a safe distance from the heater.
- Do not operate the heater with a damaged cord or plug.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- The heater must be installed horizontally only.

3. Package Contents

Verify that all components are present before proceeding with installation:

- Adax Neo WiFi Electric Heater (Model 80-320020)
- Wall mounting bracket
- 1.2 meter connection cable with plug
- User Manual (this document)

Note: Optional floor stands are sold separately and are not included in the standard package.

4. Setup and Installation

4.1 Wall Mounting

The Adax Neo WiFi heater is designed for easy wall mounting. The necessary bracket is included.

1. Choose a suitable location on a wall, ensuring adequate clearance.
2. Maintain a minimum clearance of **50 mm below** the heater and **150 mm above** the heater for proper air circulation.
3. Using the provided mounting bracket as a template, mark the drilling points on the wall.
4. Drill holes and insert appropriate wall plugs (not always included, depending on wall type).
5. Secure the mounting bracket to the wall.
6. Carefully attach the heater to the mounted bracket, ensuring it is securely locked in place. The heater must be installed horizontally.
7. Connect the 1.2-meter power cable to a suitable electrical outlet.



Image 2: Adax Neo WiFi heater securely mounted on a wall, demonstrating its slim profile.

4.2 Floor Mounting (Optional)

If you prefer floor mounting, additional feet must be purchased separately. Follow the instructions provided with the optional floor stands for proper assembly and attachment to the heater.

5. Operating Instructions

The Adax Neo WiFi heater features a digital thermostat with an LCD display and controls located on the top/rear of the unit. An On/Off switch is located on the right side.

5.1 Basic Operation

1. Ensure the heater is properly installed and plugged into a power outlet.
2. Locate the On/Off switch on the right side of the heater and switch it to the 'On' position.
3. The LCD display will illuminate, showing the current room temperature.
4. Use the '+' and '-' buttons (typically located on the top/rear control panel) to adjust the desired temperature.
5. Press the 'OK' button to confirm your temperature setting.



Image 3: Close-up view of the control panel on the Adax Neo WiFi heater, showing the '+' and '-' buttons and the 'OK' button.

5.2 Programmable Thermostat

The integrated thermostat allows for 24-hour programming. You can set desired temperatures for different times of the day or week. Refer to the detailed instructions within the mobile application for advanced programming options.

6. WiFi Connectivity and App Control

The Adax Neo WiFi heater can be controlled remotely via a dedicated mobile application on your smartphone or tablet (iOS/Android).

6.1 Connecting to WiFi

1. Download the official Adax WiFi application from your device's app store (e.g., Apple App Store, Google Play Store).
2. Follow the in-app instructions to create an account and add your Adax Neo heater. This typically involves putting the heater into pairing mode and connecting it to your home WiFi network.
3. Once connected, you can control the heater directly via a local connection or remotely via the internet.



Image 4: A smartphone screen showing the Adax mobile application interface, allowing users to manage heating zones and settings.

6.2 App Features

- **Remote Temperature Control:** Adjust the desired temperature from anywhere.
- **Scheduling:** Set up daily or weekly heating schedules to optimize energy consumption.
- **Zone Management:** If you have multiple Adax WiFi heaters, manage them individually or in groups.
- **Energy Monitoring:** Track energy usage (feature availability may vary by app version).
- **Google Assistant Compatibility:** The heater works with Google Assistant for voice control.

7. Advanced Features

7.1 EcoDesign Compliance

The Adax Neo WiFi heater fully complies with the EcoDesign directive, ensuring energy efficiency through:

- **24-Hour Programmable Thermostat:** Allows precise temperature control and scheduling.
- **Window Open Detection:** The heater automatically detects a sudden drop in room temperature (e.g., when a window is opened) and temporarily switches off to prevent unnecessary heating, resuming operation once the temperature stabilizes.
- **Adaptive Heat Start Time Adjustment:** The heater learns the time required to reach a desired temperature and adjusts its start time accordingly, ensuring the room is warm exactly when needed without wasting energy.

7.2 Efficient Heating Element

The heater utilizes an X-shaped aluminum heating element. This design ensures rapid and efficient heating of the room without burning oxygen or dust, contributing to a healthier indoor environment.

8. Maintenance

The Adax Neo WiFi heater requires minimal maintenance.

- **Cleaning:** Ensure the heater is switched off and unplugged before cleaning. Use a soft, dry cloth to wipe the exterior surfaces. Do not use abrasive cleaners or solvents.
- **Air Vents:** Periodically check that the air intake and outlet vents are free from dust and obstructions to ensure efficient operation.

9. Troubleshooting

9.1 Heater Not Turning On

- Check if the power cable is securely plugged into a working outlet.
- Ensure the On/Off switch on the right side of the heater is in the 'On' position.

- Verify that the circuit breaker for the outlet has not tripped.

9.2 No Heat Output

- Check the set temperature; ensure it is higher than the current room temperature.
- Confirm that the heater is not in 'Window Open Detection' mode (if a window is open).
- Review your app schedule to ensure the heater is programmed to be active.

9.3 WiFi Connection Issues

- Ensure your home WiFi network is active and functioning correctly.
- Restart your router and the heater.
- Make sure the heater is within range of your WiFi router.
- Re-attempt the pairing process through the Adax app.

10. Specifications

Specification	Value
Brand	ADAX
Model	80-320020
Color	Grey
Power Output	2000 Watts
Voltage	230 Volts
Dimensions (L x W x H)	143.3 x 8.7 x 33 cm
Item Weight	7.9 Kilograms
Mounting Type	Wall Mount (Horizontal only)
Heating Method	Convection
Special Features	WiFi Thermostat, LCD Display, Window Open Detection, Adaptive Start, EcoDesign Compliant, Google Assistant Compatible
Cable Length	1.2 meters

10.1 Recommended Heating Area

The following table provides guidance on the recommended heating area based on the heater's power output and the heat demand per square meter. This is based on a ceiling height of up to 2.5 meters.

Leistung des Heizkörpers, W	Heizfläche bei dem Bedarf bis 50 W/ m²	Heizfläche bei dem Bedarf von 50 bis 100 W/ m²	Heizfläche bei dem Bedarf von über 100 W/ m²
250	5 – 6 m²	2 – 4 m²	2 – 3 m²
400	6 – 10 m²	5 – 7 m²	3– 5 m²
600	10 – 14 m²	8 – 10 m²	4 – 7 m²
800	14 – 20 m²	12 – 14 m²	6 – 9 m²
1000	18 – 26 m²	14 – 16 m²	8 – 12 m²
1200	24 – 30 m²	17 – 20 m²	10– 14 m²
1400	28 – 35 m²	21 – 25 m²	12 – 17 m²
2000	32 – 50 m²	26 – 34 m²	17 – 24 m²

Hinweis: Deckenhöhe bis 2,5 m

Image 5: Table illustrating recommended heating areas for various heater power outputs and room heat demands.

Heater Power (W)	Heating Area for up to 50 W/m² demand	Heating Area for 50 to 100 W/m² demand	Heating Area for over 100 W/m² demand
250	5 - 6 m²	2 - 4 m²	2 - 3 m²
400	6 - 10 m²	5 - 7 m²	3 - 5 m²
600	10 - 14 m²	8 - 10 m²	4 - 7 m²
800	14 - 20 m²	12 - 14 m²	6 - 9 m²
1000	18 - 26 m²	14 - 16 m²	8 - 12 m²
1200	24 - 30 m²	17 - 20 m²	10 - 14 m²
1400	28 - 35 m²	21 - 25 m²	12 - 17 m²
2000	32 - 50 m²	26 - 34 m²	17 - 24 m²

Note: Ceiling height up to 2.5 m. These are approximate values and actual heating performance may vary based on insulation, window quality, and external temperatures.

11. Warranty and Support

The Adax Neo WiFi Electric Heater comes with a**5-year manufacturer's warranty**, covering defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

For technical support, warranty inquiries, or spare parts, please contact Adax customer service through their official website or the contact information provided with your purchase documentation.

Manufacturer: Adax
ASIN: B08H8V1LHH

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