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ADAX Eco Basic 2000W

ADAX Eco Basic Electric Radiator 2000W User Manual

Model: Eco Basic 2000W

1. Introduction

Thank you for choosing the ADAX Eco Basic Electric Radiator. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new electric radiator. Please read these instructions carefully before use and retain them for future reference.

The ADAX Eco Basic is a modern electric heater designed for wall mounting, featuring an electronic programmable thermostat and convection heating. It is engineered for efficient energy use and complies with EcoDesign directives.



Figure 1: Front view of the ADAX Eco Basic Electric Radiator.

2. Safety Information

To prevent personal injury or property damage, always observe the following safety precautions:

- Ensure the radiator is installed by a qualified electrician or competent person in accordance with local regulations.
- Do not cover the radiator. Covering can lead to overheating and fire hazards.
- Keep flammable materials (curtains, furniture, paper, etc.) at a safe distance from the radiator.
- 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.
- Do not operate the radiator with a damaged cord or plug. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons to avoid a hazard.
- The radiator is rated IP20, meaning it is protected against solid objects over 12.5mm but has no protection against water. Do not install in bathrooms or other areas where it may be exposed to splashing water unless specifically approved for such use and installed according to relevant electrical codes.
- Always unplug the radiator from the power outlet before cleaning or performing any maintenance.

3. Package Contents

Please check that all components are present and undamaged:

- ADAX Eco Basic Electric Radiator Unit
- Wall Mounting Bracket
- Installation Screws and Wall Plugs
- User Manual (this document)

4. Installation and Setup

4.1 Wall Mounting

The ADAX Eco Basic radiator is designed for permanent wall mounting. Ensure the wall surface is suitable to bear the weight of the radiator (approximately 8.7 kg for the 2000W model).

1. **Choose Location:** Select a suitable wall location, avoiding areas directly below power outlets or in direct drafts. Ensure adequate clearance around the radiator for proper heat distribution.
2. **Mark Drilling Points:** Use the wall mounting bracket as a template to mark the drilling points on the wall. Use a spirit level to ensure the bracket will be installed horizontally.
3. **Drill Holes:** Drill holes at the marked points using an appropriate drill bit for your wall type. Insert the wall plugs.
4. **Attach Bracket:** Secure the wall mounting bracket to the wall using the provided screws.
5. **Mount Radiator:** Carefully lift the radiator and hook it onto the wall mounting bracket. Ensure it is securely seated.
6. **Connect Power:** Plug the radiator into a suitable grounded power outlet.



Figure 2: Example of the radiator installed in a bathroom setting.



Figure 3: Example of the radiator installed in a living room.

4.2 Floor Standing (Optional)

If you wish to use the radiator as a floor-standing unit, you must purchase additional ADAX 'P' series legs separately. Follow the instructions provided with the leg kit for proper attachment.

5. Operating Instructions

The ADAX Eco Basic radiator features an intuitive electronic thermostat with a rotary control for easy temperature adjustment and programming.

5.1 Power On/Off

Locate the power switch, typically on the side of the unit. Flip the switch to the 'ON' position to power the radiator. Flip to 'OFF' to turn it off.

5.2 Thermostat Control

The rotary slider on the side of the radiator allows you to set the desired room temperature. The electronic thermostat maintains the set temperature with an accuracy of ± 0.5 °C.

- **Setting Temperature:** Rotate the knob to increase or decrease the desired temperature. The radiator will automatically adjust its heating output to maintain this setting.
- **Frost Guard Mode:** A specific setting on the rotary knob activates the frost guard function, maintaining a minimum temperature (e.g., 5-7°C) to prevent freezing.



Figure 4: Side view illustrating the rotary thermostat control and power switch.

5.3 Timer and Weekly Programming

The integrated timer allows for weekly programming of temperature settings. This feature helps optimize energy consumption by heating only when needed.

- **Programming Modes:** The radiator offers two main programming modes: a pre-programmed night reduction setting and a daily programming option for customized temperature schedules.
- **Setting Schedules:** Refer to the detailed instructions in the separate programming guide (if provided) or the full manual for specific steps on setting daily and weekly heating schedules using the rotary control.

5.4 Window Detection

The radiator includes a window detection feature. If a sudden drop in room temperature is detected (e.g., when a window or door is opened for ventilation), the radiator will temporarily turn off to avoid unnecessary heating, resuming operation once the temperature stabilizes.

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your radiator.

- **Cleaning:** Before cleaning, always unplug the radiator and allow it to cool completely. Wipe the exterior surfaces with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish.
- **Dust Removal:** Periodically vacuum or wipe dust from the air inlets and outlets to maintain efficient airflow.
- **No User-Serviceable Parts:** The radiator contains no user-serviceable parts. Do not attempt to open or repair the unit yourself. Contact qualified service personnel for any repairs.

7. Troubleshooting

If you experience issues with your ADAX Eco Basic radiator, refer to the following common troubleshooting steps:

- **Radiator Not Heating:**
  - Check if the radiator is plugged in and the power switch is in the 'ON' position.
  - Verify that the thermostat is set to a temperature higher than the current room temperature.
  - Check your household's circuit breaker or fuse box.
  - Ensure the window detection feature is not active due to an open window.
- **Inconsistent Heating:**
  - Ensure the radiator is not covered or obstructed, which can affect temperature sensing.
  - Check for drafts near the thermostat, which can cause inaccurate readings.
  - Review your timer programming to ensure it aligns with your desired heating schedule.
- **Unusual Noises or Odors:**
  - A slight clicking sound during heating/cooling cycles is normal due to thermal expansion.
  - If you detect burning odors or loud, unusual noises, immediately unplug the radiator and contact customer support.

If these steps do not resolve the issue, please contact ADAX customer support or a qualified technician.

8. Specifications

Feature	Specification
Brand	ADAX
Model	Eco Basic
Power / Wattage	2000 W
Voltage	230 V
Product Dimensions (L x W x H)	137.4 x 9.7 x 33 cm
Weight	8.7 kg
Colour	White
IP Rating	IP20
Mounting Type	Wall Mount (Optional floor standing with additional legs)
Heating Method	Convection
Special Features	Electronic Thermostat, Integrated Timer, Window Detection, Frost Guard

8.1 Recommended Heating Area Guide

The following table provides a general guide for the recommended heating area based on radiator power and insulation levels. This is based on a ceiling height of up to 2.5 meters.

Radiator Power (W)	Heating Area (up to 50 W/m²)	Heating Area (50 to 100 W/m²)	Heating Area (over 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

Figure 5: Heating area guide based on radiator power and room insulation.

9. Warranty and Support

ADAX products are manufactured to high-quality standards. For warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. If you require technical assistance, spare parts, or have any questions not covered in this manual, please contact ADAX customer support or your authorized dealer.

Please have your product model and purchase date available when contacting support.

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