Grunkel RD-2500PRO

Grunkel RD-2500PRO 2500W Oil Radiator User Manual

Model: RD-2500PRO

1. Introduction

Thank you for choosing the Grunkel RD-2500PRO 2500W Oil Radiator. This appliance is designed to provide efficient and comfortable heating for your indoor spaces. Featuring 11 heating elements, integrated Wi-Fi for smart control, a touch panel, ECO mode, and 24-hour programming, this radiator offers advanced functionality and safety features. Please read this manual carefully before use to ensure proper operation, maintenance, and safety.



Image 1: Grunkel RD-2500PRO 2500W Oil Radiator, front view.

2. Important Safety Instructions

When using electrical appliances, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

1. Read all instructions before using this heater.
2. This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. Use handles or knobs when

moving this heater. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, and curtains at least 1 meter (3 feet) from the front of the heater and keep them away from the sides and rear.

3. Extreme caution is necessary when any heater is used by or near children or invalids and whenever the heater is left operating and unattended.
4. Always unplug heater when not in use.
5. Do not operate any heater with a damaged cord or plug or after the heater malfunctions, has been dropped or damaged in any manner. Return heater to authorized service facility for examination, electrical or mechanical adjustment, or repair.
6. Do not use outdoors.
7. This heater is not intended for use in bathrooms, laundry areas, and similar indoor locations. Never locate heater where it may fall into a bathtub or other water container.
8. Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Arrange cord away from traffic area and where it will not be tripped over.
9. To disconnect heater, turn controls to off, then remove plug from outlet.
10. Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock or fire, or damage the heater.
11. To prevent a possible fire, do not block air intakes or exhaust in any manner. Do not use on soft surfaces, like a bed, where openings may become blocked.
12. A heater has hot and arcing or sparking parts inside. Do not use it in areas where gasoline, paint, or flammable vapors or liquids are used or stored.
13. Use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.
14. Always plug heaters directly into a wall outlet/receptacle. Never use with an extension cord or relocatable power tap (outlet/power strip).
15. This heater includes an **automatic tip-over safety switch** that shuts off the heater if it is accidentally tipped over. It also features **overheat protection**, which automatically turns off the heater if it gets too hot.



Image 2: Advanced protection features, including automatic shut-off for overheating and tip-over.

3. Product Overview

The Grunkel RD-2500PRO oil radiator is designed for ease of use and portability. Familiarize yourself with its components:

- **Heating Elements:** 11 oil-filled fins for efficient heat distribution.
- **Control Panel:** Digital touch panel with LED display for temperature, mode, and programming.
- **Integrated Handle:** For easy lifting and repositioning.
- **Multidirectional Wheels:** For convenient movement between rooms.
- **Cable Storage Compartment:** For neat storage of the power cord when not in use.
- **Power Switch:** Main power on/off switch.



Image 3: Features for easy movement and storage, including an integrated handle, cable compartment, and multidirectional wheels.



Image 4: Detailed view of the intelligent, efficient, and silent control panel.

4. Setup and Installation

Follow these steps to set up your Grunkel RD-2500PRO radiator:

1. **Unpacking:** Carefully remove the radiator from its packaging. Retain packaging for future storage or transport.
2. **Attaching Wheels:** The radiator comes with multidirectional wheels for mobility. Attach the wheel assemblies to the base of the radiator using the provided screws. Ensure they are securely fastened.
3. **Placement:** Place the radiator on a firm, level surface. Ensure there is at least 1 meter (3 feet) of clear space around the heater from walls, furniture, and other combustible materials. Do not place it directly under a power outlet.
4. **Power Connection:** Unwind the power cord from its storage compartment. Plug the radiator directly into a suitable 230V AC, 50Hz wall outlet. Do not use extension cords or power strips.



Image 5: Compact design for easy placement, showing dimensions (63cm height, 46cm depth, 23cm width).

5. Operating Instructions

5.1 Basic Operation

1. **Power On:** Press the main power switch located on the side of the radiator. The digital display will illuminate.
2. **Turn On/Off:** Press the power symbol button on the touch panel to turn the heating function on or off.
3. **Adjusting Temperature:** Use the '+' and '-' buttons on the touch panel to set your desired room temperature. The temperature can be adjusted from 5°C to 30°C. The radiator will automatically maintain the set temperature.
4. **Selecting Power Levels:** Press the mode button (often represented by a fan or wave icon) to cycle through the 3 available power levels (Low, Medium, High). The display will indicate the selected level.



Image 6: Illustration of 3 power levels and ECO mode for energy saving.

5.2 ECO Mode

Activate the ECO mode for optimized energy consumption. In this mode, the radiator will automatically adjust its power output to maintain the set temperature with minimal energy usage. Press the ECO button (often represented by a leaf symbol) on the touch panel to activate or deactivate this feature.

5.3 24-Hour Programming

The radiator allows you to program its operation for up to 24 hours. This feature enables you to set specific times for the radiator to turn on and off automatically.

1. **Access Programming:** Press the timer/program button (often represented by a clock icon) on the touch panel.
2. **Set On/Off Times:** Use the '+' and '-' buttons to set the desired start and end times for heating. Refer to the detailed programming instructions in the full manual for advanced settings.
3. **Confirm Program:** Once settings are complete, press the timer/program button again to confirm and activate the schedule.



Image 7: Digital interface for daily comfort programming, including 24-hour automatic on/off.

5.4 Wi-Fi Connectivity and App Control

The Grunkel RD-2500PRO features integrated Wi-Fi, allowing you to control it remotely via a smartphone app and voice assistants.

1. **Download App:** Download the 'Smart Life' app (or similar compatible app) from your smartphone's app store (available for iOS and Android).
2. **Register/Log In:** Create an account or log in to the app.
3. **Pairing Process:**
    - Ensure your radiator is powered on and within range of your Wi-Fi network (2.4GHz only).
    - On the radiator's touch panel, press and hold the timer/program button (clock icon) for a few seconds until the Wi-Fi indicator light starts blinking rapidly. This indicates pairing mode.
    - In the Smart Life app, tap 'Add Device' or the '+' icon. Select 'Heater' or 'Radiator' from the device list.
    - Follow the on-screen instructions in the app to connect the radiator to your home Wi-Fi network. You will need to enter your Wi-Fi password.
    - Once connected, the Wi-Fi indicator light on the radiator will become solid.
4. **Remote Control:** You can now control the radiator's power, temperature, mode, and programming from anywhere using the app.
5. **Voice Control:** The radiator is compatible with voice assistants like Amazon Alexa and Google Home. Link your Smart Life account to your Alexa or Google Home app and enable the skill. You can then use voice commands such as "Alexa, turn on the RD-2500PRO" or "Hey Google, set the radiator to 22 degrees."

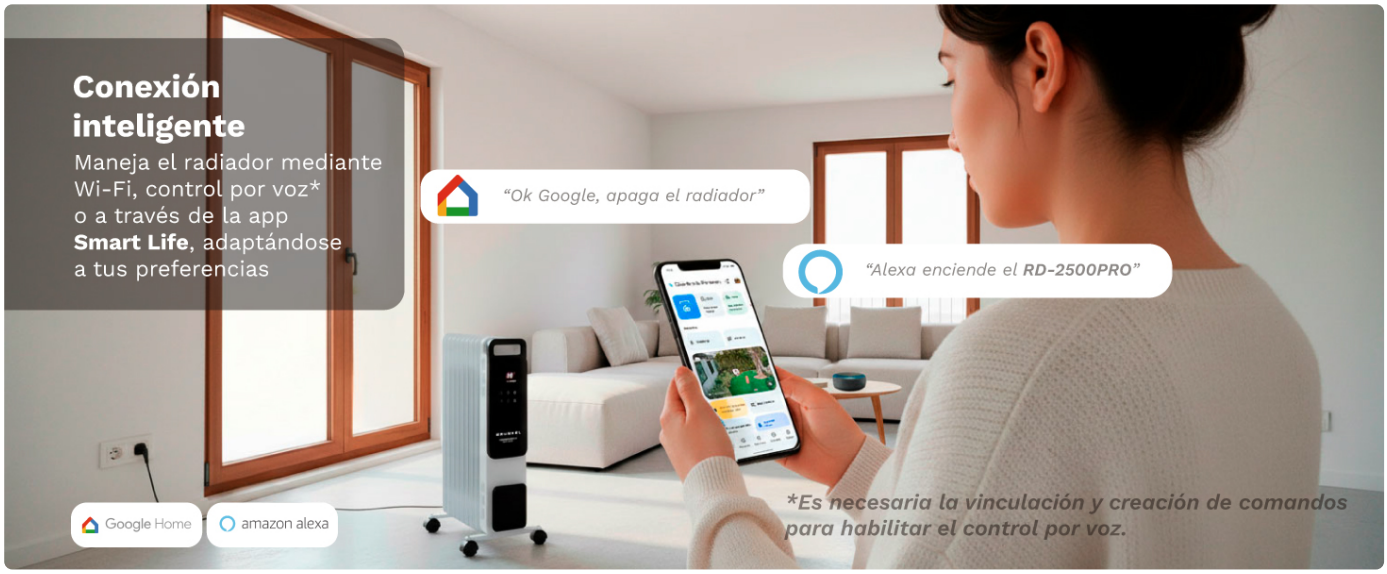


Image 8: Smart connectivity via Wi-Fi, app control, and compatibility with Google Home and Amazon Alexa.

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your radiator.

1. **Cleaning:**
    - Always unplug the radiator and allow it to cool completely before cleaning.
    - Wipe the exterior surfaces with a soft, damp cloth. Do not use abrasive cleaners or solvents.
    - Ensure no water enters the internal parts of the radiator.
2. **Storage:** If storing the radiator for an extended period, clean it thoroughly, wrap the power cord neatly in its storage

compartment, and store it in a cool, dry place, preferably in its original packaging.

7. Troubleshooting

If you encounter issues with your Grunkel RD-2500PRO radiator, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Radiator does not turn on.	No power, main switch off, safety features activated.	Check power outlet, ensure main switch is on. If tipped over, place upright. If overheated, allow to cool.
Radiator is on but not heating.	Temperature setting too low, ECO mode active, power level too low.	Increase desired temperature. Adjust power level. Check if ECO mode is suitable for current heating needs.
Wi-Fi connection fails.	Incorrect Wi-Fi password, 5GHz network, radiator too far from router, pairing mode not active.	Ensure correct 2.4GHz Wi-Fi network and password. Move radiator closer to router. Re-enter pairing mode (hold clock button).
Unusual noises or smells.	Initial use smell, foreign object, internal malfunction.	A slight odor during first use is normal. If persistent or strong, unplug immediately and contact support.

If the problem persists after attempting these solutions, please contact customer support.

8. Technical Specifications

Feature	Specification
Model Number	RD-2500PRO
Brand	Grunkel
Power Output	2500W
Number of Elements	11
Voltage	230V AC, 50Hz (Standard EU)
Temperature Range	5°C - 30°C
Power Levels	3 (Low, Medium, High)
Connectivity	Integrated Wi-Fi (2.4GHz)
Control	Digital Touch Panel, Smartphone App (Smart Life), Voice Control (Alexa, Google Home)
Dimensions (D x W x H)	48 cm x 27 cm x 63 cm

Feature	Specification
Weight	10 kg
Safety Features	Anti-tip protection, Overheat protection
Usage Environment	Indoor use only

9. Warranty and Support

The Grunkel RD-2500PRO oil radiator is designed for reliability and durability. Grunkel provides a 3-year availability period for spare parts within the EU, ensuring long-term support for your product.
For technical assistance, warranty claims, or further information, please contact Grunkel customer support through their official channels. Refer to the product packaging or the Grunkel website for specific contact details.

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Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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