

Dreo DR-HSH020 Black

Dreo Space Heater User Manual

MODEL: DR-HSH020 BLACK

1500W, 60° Adjustable Tilt, Portable Electric Heater

Introduction

Thank you for choosing the Dreo Space Heater. This manual provides important information regarding the safe operation, installation, maintenance, and troubleshooting of your new space heater. Please read this manual thoroughly before use and retain it for future reference.

Important Safety Information

WARNING: To reduce the risk of fire, electric shock, or injury, always follow basic safety precautions when using electrical appliances.

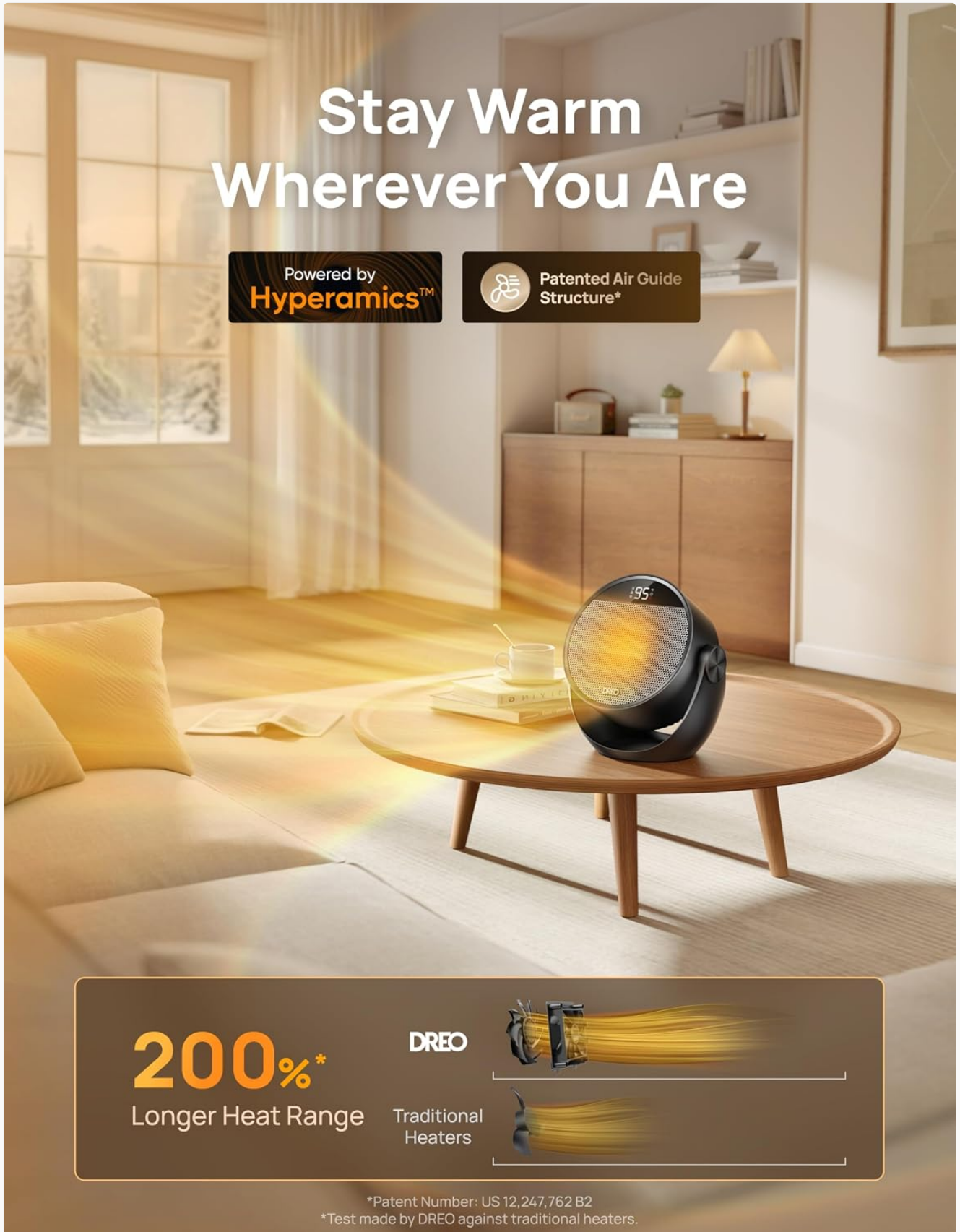
- Always plug heaters directly into a wall outlet/receptacle. Never use with an extension cord or relocatable power tap (outlet/power strip).
- This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces.
- Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, and curtains at least 3 feet (0.9 m) from the front of the heater and keep them away from the sides and rear.
- Extreme caution is necessary when any heater is used by or near children or invalids and whenever the heater is left operating and unattended.
- Do not operate any heater with a damaged cord or plug or after the heater malfunctions, has been dropped or damaged in any manner.
- Do not use outdoors.
- To disconnect heater, turn controls to OFF, then remove plug from outlet.
- 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.
- 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.
- The heater features advanced tip-over protection, V0 flame retardant materials, overheat protection, and a safety

plug, all certified by ETL.

- Equipped with Child Lock function for added safety.

Product Features

- **Fast Warm Air Delivery:** Powered by 1500W Hyperamics technology, this space heater delivers warmth in just 2 seconds and produces 53.9% more heated air than traditional heaters.



Stay Warm Wherever You Are

Powered by
Hyperamics™

Patented Air Guide
Structure*

200%*
Longer Heat Range

DREO

Traditional
Heaters

*Patent Number: US 12,247,762 B2
*Test made by DREO against traditional heaters.

Image: Illustration of Dreo Hyperamics technology providing faster and longer heat range.

- **Vertical Tilt for Full-Body Warmth:** Manually tilt the portable heater from 0°-20°-40°-60°, allowing you to direct warmth from head to toe. Ideal for placement on a table or floor.



Image: A user adjusting the heater's tilt, demonstrating its flexibility.

- **Unbreakable Safety:** Enjoy peace of mind with advanced tip-over protection, V0 flame retardant materials, overheat protection, and a safety plug. All features are ETL certified.

Multi-Layer Protection



Image: Visual representation of the heater's comprehensive safety features.

- **Precise Temperature Control:** The advanced NTC chipset allows you to set your desired temperature from 41°F to 95°F in precise 1°F increments, ensuring smart, energy-saving comfort.

Precisely Set and Keep Your Ideal Temp



Dedicated Thermal Sensor

Control Temp in 1°F Increments



Image: The heater's display showing precise temperature control options.

- **Enjoy Distraction-Free Warmth:** DREO's desk heater uses a brushless DC motor and winglet fan design to reduce turbulence, operating as quietly as 34dB for peaceful comfort.

Whispering Warmth All Night Long

34 dB
DREO



Upgraded Noise Reduction

Next-gen
DC Motor

New Winglet
Design



Image: The heater operating quietly in a bedroom, illustrating its low noise level.

- **Multiple Modes & Controls:** Features 3 heat levels, 3 fan levels, a 12-hour timer, intuitive touch panel, and a convenient remote control.

More Features



3 Heat Levels

3 Fan Levels

Easy Carry

12H Timer

Touch Panel

Remote Control

Image: Overview of the heater's control panel and remote control.

- **Portable Design:** Compact dimensions (9.65"D x 5.71"W x 10.12"H) and lightweight (3.54 pounds) with an easy-carry handle for convenient movement between rooms.

Setup

1. Unpack the heater and all accessories from the box.
2. Place the heater on a firm, level surface. Ensure it is at least 3 feet (0.9 m) away from walls, furniture, and other

combustible materials.

3. Ensure the power cord is not obstructed or pinched.
4. Plug the heater directly into a 120V AC, 60Hz wall outlet. Do not use extension cords or power strips.



Image: The Dreco Space Heater and its remote control, ready for setup.

Operating Instructions

Control Panel & Remote Control

The heater can be operated using the touch control panel on the top of the unit or the included remote control. Both offer similar functionalities.

- **Power Button** (⏻): Press to turn the heater ON or OFF.
- **Mode Button** (≡): Cycle through heating modes (High, Medium, Low) and fan modes (High, Medium, Low). The display will show H1, H2, H3 for heat and F1, F2, F3 for fan.
- **Temperature Adjustment** (+ / -): Adjust the desired temperature setting from 41°F to 95°F.
- **Timer Button** (⌚): Set the auto-off timer for up to 12 hours. Each press adds 1 hour.

- **Mute Button ():** Mute or unmute the button press sounds.
- **Child Lock Button ():** Press and hold for 3 seconds to activate/deactivate the child lock.

Adjusting Tilt Angle

Manually adjust the heater's tilt angle by gently pushing or pulling the top of the unit. The heater supports angles of 0°, 20°, 40°, and 60° to direct airflow precisely where needed.

DREO

NO.1

Space Heater
Two Consecutive Years on Amazon U.S.*

DREO | Heater 320

Tilt Up & Down Heat All Around



60°

Vertical Manual Tilt

2 Sec.

Instant Heat

10.5 ft/s

Fast Heating

*Source: Ranking based on the Stackline data for Amazon U.S. retail sales of space heaters from January 2023 to January 2025.

Image: The heater demonstrating its adjustable tilt feature.

Maintenance

Regular maintenance helps ensure the longevity and efficient operation of your heater.

- **Cleaning:** Always unplug the heater before cleaning. Use a soft, damp cloth to wipe the exterior surfaces. Do not

use abrasive cleaners or solvents.

- **Dust Removal:** Use a vacuum cleaner with a brush attachment to remove dust from the air intake and exhaust grilles.
- **Storage:** If storing the heater for an extended period, unplug it and allow it to cool completely. Store it in a cool, dry place, preferably in its original packaging, away from direct sunlight and extreme temperatures.

Troubleshooting

Problem	Possible Cause	Solution
Heater does not turn on.	Not plugged in; Power outlet malfunction; Tip-over switch activated; Overheat protection activated.	Ensure plug is fully inserted. Check circuit breaker. Place heater on a firm, level surface. Unplug and let cool for 30 minutes before restarting.
No heat output.	Heater is in Fan mode; Temperature setting is too low.	Press the Mode button to select a heating mode (H1, H2, or H3). Increase the temperature setting.
Heater makes unusual noise.	Dust or debris in fan; Unit not stable.	Unplug and clean the fan and grilles. Ensure heater is on a stable, flat surface.
Remote control not working.	Batteries are dead; Obstruction between remote and heater.	Replace the Lithium Metal battery (included). Ensure clear line of sight to the heater's sensor.

Specifications

Brand: Dreo

Model: DR-HSH020 Black

Power: 1500W

Voltage: 120V~60Hz

Product Dimensions: 9.65"D x 5.71"W x 10.12"H

Item Weight: 3.54 pounds (1.61 Kilograms)

Temperature Range: 41°F - 95°F

Noise Level: As low as 34dB

Safety Features: Tip-Over Protection, Overheat Protection, V0 Flame Retardant Materials, Safety Plug, Child Lock, ETL Certified

Control: Touch Panel, Remote Control

Timer: Up to 12 hours

Tilt Angle: 0°, 20°, 40°, 60° Manual Tilt

Warranty and Support

Dreo products come with a standard warranty. Please refer to the warranty card included with your purchase or visit the official Dreo website for detailed warranty information and customer support contact details.

For technical assistance or service inquiries, please contact Dreo Customer Support.

Note: Warranty terms and conditions may vary. Keep your purchase receipt as proof of purchase.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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.

Submit question