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> [DREO DR-HDH002S 20L/24h Smart Dehumidifier User Manual](#)

## DREO DR-HDH002S

# DREO DR-HDH002S 20L/24h Smart Dehumidifier User Manual

Model: DR-HDH002S | Brand: DREO

## 1. INTRODUCTION

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Thank you for choosing the DREO DR-HDH002S Smart Dehumidifier. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new appliance. Please read it thoroughly before use and keep it for future reference.

This dehumidifier is designed to effectively reduce humidity levels in your home, preventing mold, mildew, and musty odors. With its smart features, quiet operation, and efficient performance, it creates a healthier and more comfortable living environment.

## 2. SAFETY INSTRUCTIONS

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

- Read all instructions before using the appliance.
- Do not operate the dehumidifier with a damaged cord or plug.
- Ensure the appliance is placed on a stable, level surface.
- Keep the air inlet and outlet clear of obstructions.
- Do not immerse the unit, power cord, or plug in water or other liquids.
- Unplug the appliance before cleaning or performing any maintenance.
- 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.
- Do not use the appliance in areas where flammable liquids or gases are stored.

## 3. PRODUCT OVERVIEW

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The DREO DR-HDH002S is a high-performance smart dehumidifier designed for medium to large spaces up to 37 square meters. It features a 20L/24h dehumidification capacity and a 3.4L water tank.

DREO | Deumidificatore 512S

# Deumidificazione Intelligente. Potentemente Silenzioso.



Figure 3.1: DREO DR-HDH002S Dehumidifier in a living room, showcasing its coverage area and tank size.

## Key Features:

- **High Efficiency:** Removes up to 20 liters of moisture per day.
- **Large Water Tank:** Equipped with a 3.4L tank for extended operation.
- **Quiet Operation:** Operates at a low noise level of 38dB, suitable for bedrooms.
- **Smart Control:** WiFi enabled with compatibility for Alexa and Google Home, allowing remote monitoring and control via the DREO app.

- **Multiple Modes:** Features Comfort, Auto, and Continuous dehumidification modes.
- **Precise Humidity Control:** Maintains humidity within a  $\pm 5\%$  relative humidity margin.
- **Laundry Drying Function:** Helps dry clothes faster in humid conditions.
- **Energy Efficient:** Rated at 0.35kW with an efficiency of 2.3 L/kWh.
- **Automatic Shut-off:** Automatically turns off when the water tank is full.
- **Washable Filter:** Easy to clean and maintain for optimal performance.

## Prestazioni più Veloci per Grandi Ambienti

**177 m<sup>3</sup>/h**

**36%** ↓  
Riduzione Rapida dell'Umidità

**40x** 500 ML  
Acqua in Bottiglia

\*Basato su una capacità massima di 20 L/giorno – equivalente a 40 bottiglie da 500 ml.  
\*Test effettuati internamente nei laboratori DREO in una stanza di 3,8 x 3,8 m, con umidità ridotta dal 90% al 54% in un'ora.

Figure 3.2: Airflow diagram of the DREO DR-HDH002S Dehumidifier, illustrating its rapid dehumidification capability.

## 4. SETUP

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### 4.1 Unpacking and Placement

1. Carefully remove the dehumidifier from its packaging.
2. Place the unit on a firm, level surface in an area where humidity control is desired. Ensure there is at least 20-30 cm of space around the unit for proper air circulation.
3. The dehumidifier is suitable for rooms up to 37 square meters.

### 4.2 Power Connection

Plug the power cord into a grounded electrical outlet. Ensure the voltage matches the specifications of the appliance.

### 4.3 Drainage Options

The DREO DR-HDH002S offers two drainage methods:

- **Manual Drainage:** The collected water accumulates in the 3.4L water tank. When the tank is full, the unit will automatically shut off and an indicator will light up. Carefully remove the tank and empty the water.
- **Continuous Drainage:** For continuous operation without needing to empty the tank, attach the included drain hose to the continuous drainage port on the back of the unit. Route the hose to a suitable drain (e.g., floor drain, sink). Ensure the hose is sloped downwards to allow gravity drainage.

# Doppia Opzione di Scarico. Massima Comodità.



Figure 4.1: Illustration of manual water tank drainage and continuous drainage setup.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Control Panel

The control panel is located on the top of the unit and features various buttons and a digital display for easy operation.

# Controllo Preciso dell'Umidità con Modalità Automatico



Figure 5.1: DREO DR-HDH002S Control Panel with humidity display.

## 5.2 Power On/Off

Press the Power button to turn the dehumidifier on or off.

## 5.3 Operating Modes

Select from the following operating modes:

- **Auto Mode:** The unit automatically adjusts its operation to maintain a comfortable humidity level (e.g., 50-55%

RH).

- **Comfort Mode:** Optimizes humidity for maximum comfort based on ambient temperature.
- **Continuous Mode:** The unit runs continuously, regardless of the humidity level, ideal for very damp conditions or laundry drying.
- **Laundry Drying:** Use this mode to accelerate the drying of clothes indoors.

## 5.4 Setting Humidity Level

In Auto or Comfort mode, you can set your desired humidity level. The unit will operate to maintain the relative humidity within a  $\pm 5\%$  margin of your setting.

## 5.5 Timer Function

Use the Timer function to set the dehumidifier to turn on or off automatically after a specified period (up to 24 hours).

## 5.6 Smart Control (WiFi & App)

Connect your DREO DR-HDH002S to the DREO app via WiFi for remote control and monitoring. The unit is compatible with Alexa and Google Home for voice commands.

# Comfort semplificato con controllo intelligente



Figure 5.2: Controlling the DREO Dehumidifier via the DREO mobile app.

## 5.7 Quiet Operation

The dehumidifier is designed to operate quietly at 38dB, making it suitable for use in bedrooms or other quiet areas without disturbance.

# Comfort Notturmo a Sussurro di Silenzio

38 dB\*  
DREO



\*Test condotto dai laboratori DREO con l'impostazione minima.

Figure 5.3: Dehumidifier operating quietly in a bedroom.

## 6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your dehumidifier.

### 6.1 Emptying the Water Tank

When the water tank is full, the unit will stop operating and an indicator will illuminate. Carefully slide out the water

tank, empty the collected water, and reinsert the tank securely. Ensure the tank is properly seated to resume operation.

## 6.2 Cleaning the Air Filter

The dehumidifier is equipped with a washable air filter. It is recommended to clean the filter regularly (e.g., every two weeks or as needed) to maintain air quality and unit efficiency.

1. Turn off and unplug the dehumidifier.
2. Remove the filter from the back of the unit.
3. Wash the filter with warm, soapy water. Rinse thoroughly.
4. Allow the filter to air dry completely before reinserting it into the unit.



Figure 6.1: Washable filter for easy cleaning.

## 6.3 Storage

If storing the dehumidifier for an extended period, ensure the water tank is empty and the unit is clean and dry. Store it in an upright position in a cool, dry place.

## 7. TROUBLESHOOTING

If you encounter issues with your dehumidifier, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Dehumidifier does not turn on.	No power supply; power cord not plugged in; water tank full or not properly inserted.	Check power connection; empty and reinsert water tank correctly.
Unit is running but not collecting water.	Room temperature too low; humidity level already low; filter clogged.	Ensure room temperature is above 5°C; check and clean the air filter.
Unit is noisy.	Unit not on a level surface; filter clogged; internal components vibrating.	Place on a level surface; clean the air filter. If noise persists, contact support.

Problem	Possible Cause	Solution
Water leaks from the unit.	Water tank not properly inserted; continuous drain hose loose or blocked.	Ensure water tank is correctly seated; check continuous drain hose for proper connection and clear any blockages.

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

## 8. SPECIFICATIONS

Specification	Value
Brand	DREO
Model Name	DR-HDH002S
Dehumidification Capacity	20 Liters/Day
Water Tank Volume	3.4 Liters
Area Coverage	37 Square Meters
Airflow Rate	177 Cubic Meters per Hour
Wattage	355 Watts
Noise Level	38dB
Dimensions (DxWxH)	31.2P x 24.7I x 50H cm
Weight	12.37 Kilograms
Material	Plastic
Special Features	Anti-Spill, Automatic Restart, Adjustable Humidity Control, Automatic Dehumidification, Automatic Shut-off, WiFi, Alexa & Google Home Compatible
Operating Modes	Continuous, Auto, Comfort, Laundry Drying
Number of Speeds	3

## 9. WARRANTY AND SUPPORT

DREO products are manufactured to the highest quality standards. This product comes with a standard manufacturer's warranty. Please refer to the warranty card included in your packaging for specific terms and conditions.

For technical support, warranty claims, or any questions regarding your DREO DR-HDH002S Dehumidifier, please contact DREO customer service through the official DREO website or the contact information provided in your product packaging.

You can also find additional resources and FAQs on the DREO brand store on Amazon: [DREO Store](#)

## 10. PRODUCT VIDEOS

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### 10.1 Light and Smart Dehumidifier Overview

Your browser does not support the video tag.

This video provides a general overview of a light and smart dehumidifier, demonstrating features such as humidity setting, comfort mode, auto shut-off, easy-carry bucket, gravity drainage, washable filter, and 360° rotatable wheels. While featuring a similar product, it illustrates common functionalities relevant to the DREO DR-HDH002S.