

Dreo HM311S

Dreo HM311S Smart Humidifier User Manual

Model: HM311S

1. INTRODUCTION

Thank you for choosing the Dreo HM311S Smart Humidifier. This manual provides essential information for safe operation, effective use, and proper maintenance of your device. Please read it thoroughly before use and retain it for future reference.

Package Contents:

- Dreo HM311S Smart Humidifier
- Demineralization Cartridge
- Cleaning Brush
- Aroma Pad
- User Manual
- Cleaning Guide

2. PRODUCT OVERVIEW

The Dreo HM311S is an ultrasonic humidifier designed to provide precise humidity control, featuring smart connectivity, a large water tank, and quiet operation.



Figure 2.1: Dreo HM311S Smart Humidifier with its main components and a smartphone displaying the control app.

Key Components:

- **Water Tank:** 4-liter capacity for extended operation.
- **Mist Nozzle:** 30° tiltable for directional mist output.
- **Control Panel:** Digital display with touch controls for power, mist level, light, auto mode, timer, and sleep mode.
- **Aroma Box:** Integrated tray for essential oils.
- **Demineralization Cartridge:** Helps reduce mineral buildup.
- **Smart Humidistat:** For precise humidity measurement and automatic adjustment.



Figure 2.2: Internal components of the humidifier, including the 2.4MHz atomizer for fine mist, smart humidistat, and airflow booster.

3. SETUP

3.1 Initial Placement

Place the humidifier on a flat, stable, and water-resistant surface at least 15 cm (6 inches) away from walls and furniture. Ensure the mist outlet is not directed towards walls or electronic devices.

3.2 Filling the Water Tank

1. Remove the top cover of the humidifier.
2. Pour clean, cool tap water directly into the water tank. Do not exceed the 'MAX' fill line. Distilled or demineralized water is recommended to prevent mineral buildup.
3. Replace the top cover securely.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

Plug the humidifier into a power outlet. Press the **Power** button on the control panel to turn the unit on or off.

4.2 Adjusting Mist Level

Press the **Mist** button to cycle through three mist output levels (Low, Medium, High). The digital display will indicate the current level.

DREO | Humidifiers

Next-gen performance.
Perfect dryness relief.



Figure 4.1: Humidifier producing a high mist stream.

Supersized mist hydrates your air instantly

40-inch
High Mist

4-inch
Wide Mist



Figure 4.2: The humidifier's supersized mist output quickly hydrates the air.



Figure 4.3: The humidifier disperses ultrafine mist particles for even distribution.

4.3 Auto Mode

Press the **Auto** button to activate Auto Mode. The humidifier will automatically adjust the mist output to maintain your preset humidity level. The smart ambient light will indicate humidity changes.

4.4 Night Light

Press the **Light** button to turn the ambient night light on or off.

4.5 Sleep Mode

Press the **Sleep** button to enter Sleep Mode. The display lights will dim, and the humidifier will operate at a low, quiet mist level (28 dB) for undisturbed sleep. The 4L tank allows for up to 36 hours of continuous operation in this mode.

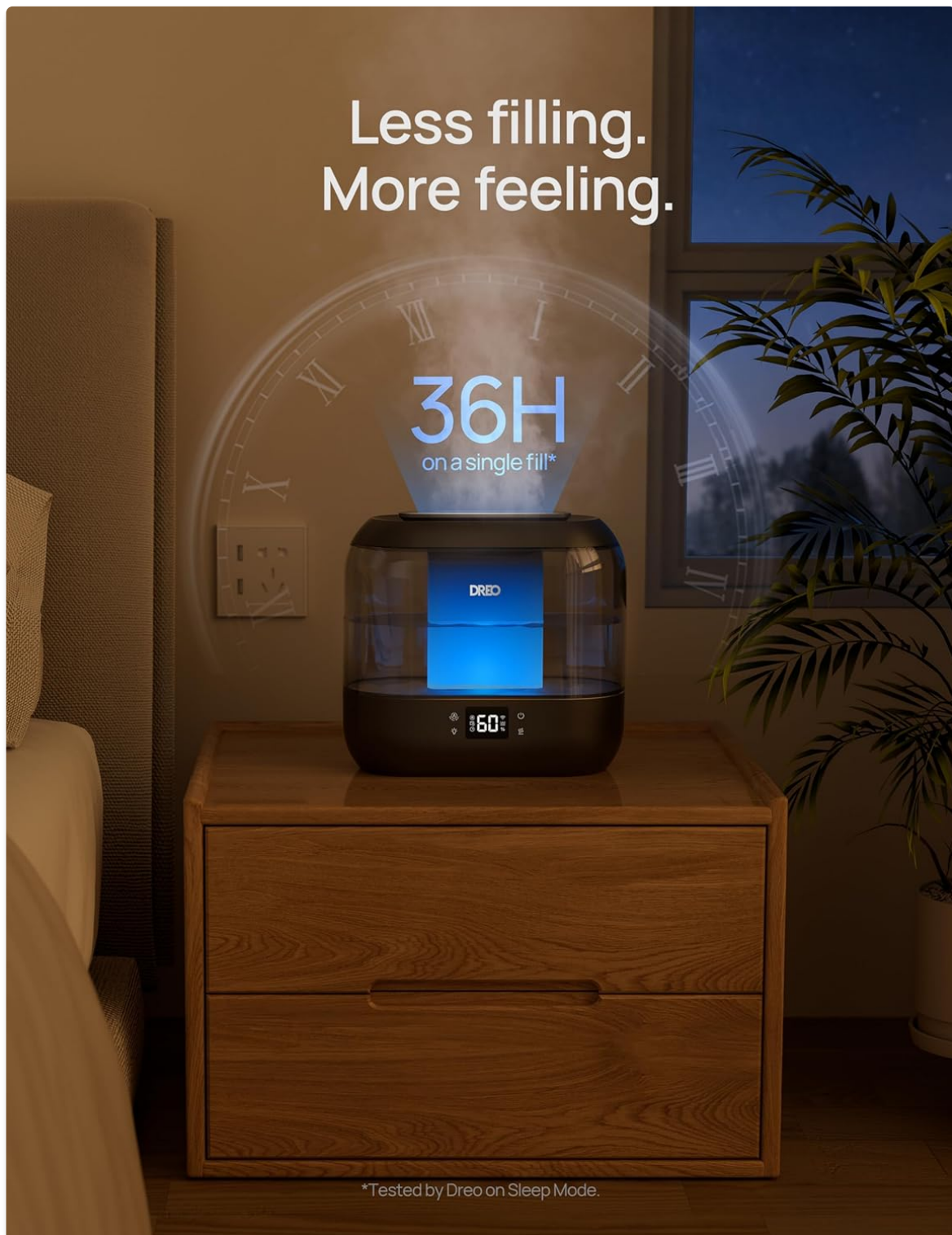


Figure 4.4: The humidifier provides up to 36 hours of continuous mist on a single fill, ideal for overnight use.

4.6 Timer Function

Press the **Timer** button to set an auto-off timer. You can set the humidifier to turn off after a specified number of hours.

4.7 Aroma Diffuser

Pull out the aroma box located at the base of the unit. Add a few drops of your preferred essential oil onto the aroma pad. Slide the box back into place. The mist will carry the fragrance into the air.

4.8 Smart Control (App & Voice)

Download the Dreo app to control your humidifier remotely. You can adjust mist levels, set schedules, control ambient lighting, and monitor humidity from anywhere. The humidifier is also compatible with Alexa and



Figure 4.5: Control your humidifier's humidity settings precisely using the Dreo smartphone app.

Tailor it to your lifestyle with smart schedules



Figure 4.6: Tailor the humidifier's operation to your lifestyle with smart schedules via the app.

5. MAINTENANCE

Regular cleaning is crucial for optimal performance and hygiene. Always unplug the humidifier before cleaning.

5.1 Daily Maintenance

- Empty the water tank and base daily.
- Wipe the tank and base dry with a clean cloth.

5.2 Weekly Cleaning

1. Unplug the humidifier and remove the water tank.
2. Pour 2 cups (470ml) of distilled white vinegar into the water tank.
3. Replace the top cover and let it soak for 20 minutes.
4. Empty the vinegar and rinse the tank thoroughly with clean water.
5. Use the provided cleaning brush to clean the atomizer and other hard-to-reach areas in the base.
6. Rinse all components and wipe dry.

5.3 Demineralization Cartridge

The demineralization cartridge helps prevent white dust from hard water. Replace it every 2-3 months, or more frequently if you have very hard water or use the humidifier often.

5.4 Aroma Pad

Clean the aroma pad as needed by rinsing it with warm water and allowing it to air dry. Replace the pad if it becomes discolored or loses its effectiveness.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No mist or low mist output	Low water level Mineral buildup on atomizer Mist nozzle blocked	Refill water tank Clean atomizer with cleaning brush Clear any obstructions from the mist nozzle
White dust around humidifier	Hard water used Demineralization cartridge needs replacement	Use distilled or demineralized water Replace demineralization cartridge
Unpleasant odor	Stagnant water Dirty water tank/base	Empty and clean water tank/base regularly Use fresh water daily
Humidifier not responding to app/voice control	Wi-Fi connection issue App not updated	Ensure humidifier is connected to Wi-Fi Check app for updates and restart

7. SPECIFICATIONS

Feature	Detail
Model Name	HM311S

Feature	Detail
Dimensions (L x W x H)	14 x 27.99 x 25.81 cm (5.5 x 11 x 10.1 inches)
Weight	1.42 kg (3.12 lbs)
Water Tank Capacity	4 Liters
Coverage Area	Up to 300 sq ft
Operation Mode	Ultrasonic
Noise Level	28 dB (in Sleep Mode)
Special Features	Digital Display, Adjustable Humidity Control, Top-Fill, Timer, Wi-Fi/APP/Voice Control, Aroma Diffuser, Night Light



Figure 7.1: Dimensions of the Dreo HM311S Smart Humidifier.

8. WARRANTY AND SUPPORT

Dreo products are manufactured with the highest quality standards. For warranty information or technical support, please refer to the warranty card included in your package or visit the official Dreo website. Please have your model number (HM311S) and purchase details ready when contacting support.