

[Manuals.plus](#) /

› [ALORAIR](#) /

› ALORAIR Storm LGR Extreme WiFi Commercial Dehumidifier Instruction Manual

ALORAIR Storm LGR Extreme WiFi

ALORAIR Storm LGR Extreme WiFi Commercial Dehumidifier Instruction Manual

1. INTRODUCTION AND OVERVIEW

Thank you for choosing the ALORAIR Storm LGR Extreme WiFi Commercial Dehumidifier. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your unit. Please read it thoroughly before use and retain it for future reference.

The ALORAIR Storm LGR Extreme WiFi is a high-capacity commercial dehumidifier designed for demanding environments such as water damage restoration, flood repair, basements, crawl spaces, garages, and industrial settings. It features advanced LGR (Low Grain Refrigerant) technology, a built-in condensate pump, and smart Wi-Fi app control for remote monitoring and management.



Image: The ALORAIR Storm LGR Extreme WiFi Commercial Dehumidifier operating in a basement, demonstrating its app control capabilities.

2. SAFETY INFORMATION

Always follow basic safety precautions when using this appliance to reduce the risk of fire, electric shock, or injury.

- Ensure the unit is connected to a properly grounded electrical outlet.
- Do not operate the unit with a damaged power cord or plug.
- Keep the unit away from water and other liquids.
- Do not insert objects into the air inlet or outlet.
- Always unplug the unit 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.

3. PRODUCT FEATURES

- **High Capacity:** Removes up to 180 PPD (Pints Per Day) at saturation conditions and 85 Pints at AHAM (60% RH, 80°F).

- **Smart App Control:** Monitor and control the dehumidifier remotely via the AlorAir DryEasy mobile app (AlorAir-R or AlorAir-R Lite).
- **Built-in Condensate Pump:** Allows for continuous drainage up to 14.7 feet vertically, providing flexibility in placement.
- **Automatic Defrost:** Prevents frost buildup on coils, ensuring efficient operation in low temperatures.
- **Memory Restart:** Automatically resumes operation with previous settings after a power outage.
- **Durable and Stackable Design:** Compact and robust construction with integrated handles for easy transport and secure stacking of multiple units.
- **Digital Humidistat:** Automatic control of humidity levels with a clear LCD display showing inlet/outlet temperature and humidity.
- **MERV-8 Filter:** Captures microscopic airborne particles, improving air quality.



Monitor the restoration process on the go!

Image: The ALORAIR Storm LGR Extreme WiFi Commercial Dehumidifier highlighting its auto operation, auto defrost, and memory restart features.

4. SETUP

4.1 Placement

- Place the dehumidifier on a level, stable surface.
- Ensure adequate airflow around the unit. Do not block the air inlet or outlet.
- Keep the unit at least 1 foot (30 cm) away from walls or other objects.
- For optimal performance, operate the unit in an enclosed area.

4.2 Drainage Connection

The unit comes with a built-in condensate pump and a 19.6 ft drain hose for continuous drainage. Connect the drain hose to the quick-disconnect fitting on the unit and route it to a suitable drain location (e.g., sink, floor drain, or outdoors).

EASY OPERATION AND INTUITIVE.

Display Temp. and humidity at both inlet and outlet.



Image: A cutaway diagram illustrating the internal condensate pump and external drain hose connection, emphasizing the ability to drain water anywhere.

4.3 Power Connection

Connect the 19.6 ft power cord to a standard 115V/60Hz grounded electrical outlet. Ensure the outlet meets the unit's power requirements (646.3 Watt-hours).

5. OPERATING INSTRUCTIONS

5.1 Control Panel Overview

The unit features an intelligent touch panel with a clear LCD display. The display shows current operating status, inlet/outlet temperature, and relative humidity.

Moisture Extraction Machines



AUTO OPERATION:

Turns ON and OFF Automatically.



AUTO DEFROST:

Prevents Coils from Freezing.



MEMORY RESTART:

Lose Power? Picks Up Where It Left Off.

**180
PPD**



Image: A detailed view of the dehumidifier's control panel, showing the LCD screen and control buttons.

5.2 Basic Operation

- **Power Button:** Press to turn the unit ON or OFF.
- **Menu Button:** Cycle through different display options and settings.
- **Set Button:** Adjust humidity levels or other settings.
- **Purge Button:** Manually activate the condensate pump to drain water.
- The unit will automatically maintain the set humidity level.

5.3 App Control (AlorAir DryEasy)

The AlorAir DryEasy mobile app allows you to monitor and control your dehumidifier remotely. Download the

appropriate app based on your unit's manufacture date:

- **Units manufactured before April 30, 2023:** Download the **AlorAir-R App**.
- **Units manufactured on or after April 30, 2023:** Download the **AlorAir-R Lite App**.

Both apps support a 2.4 GHz Wi-Fi network. For smoother connection, temporarily disable the 5 GHz network on your router during setup.

Note: The Wi-Fi application may have compatibility issues with certain Android devices. Verify app availability on your device's Google Play Store before purchase.

Video: AlorAir-R Direct Connection Tutorial for Small LCD dehumidifiers (for Android and iOS phones). This video demonstrates the steps to connect your dehumidifier directly to the AlorAir-R app on both Android and iOS devices, covering initial setup and troubleshooting common connection issues.

Video: AlorAir Wi-Fi APP Connection Tutorial for iOS, for Small LCD Display Dehumidifier. This tutorial guides iOS users through the process of connecting their AlorAir dehumidifier to the Wi-Fi app, including setting up the device and managing its functions.

5.4 Automatic Defrost

The unit is equipped with an automatic defrost system. When the ambient temperature is low, the unit will automatically initiate a defrost cycle to prevent ice buildup on the coils. During defrost, the compressor temporarily stops while the fan continues to run. Once defrost is complete, normal operation resumes.

5.5 Memory Restart

In the event of a power interruption, the unit will automatically restart with its previous settings once power is restored. No manual intervention is required.

6. MAINTENANCE

6.1 Filter Cleaning/Replacement

The unit uses a MERV-8 filter to capture airborne particles. Regularly inspect and clean the filter to maintain optimal performance. Replace the filter every 3-6 months, or more frequently depending on usage and environment.

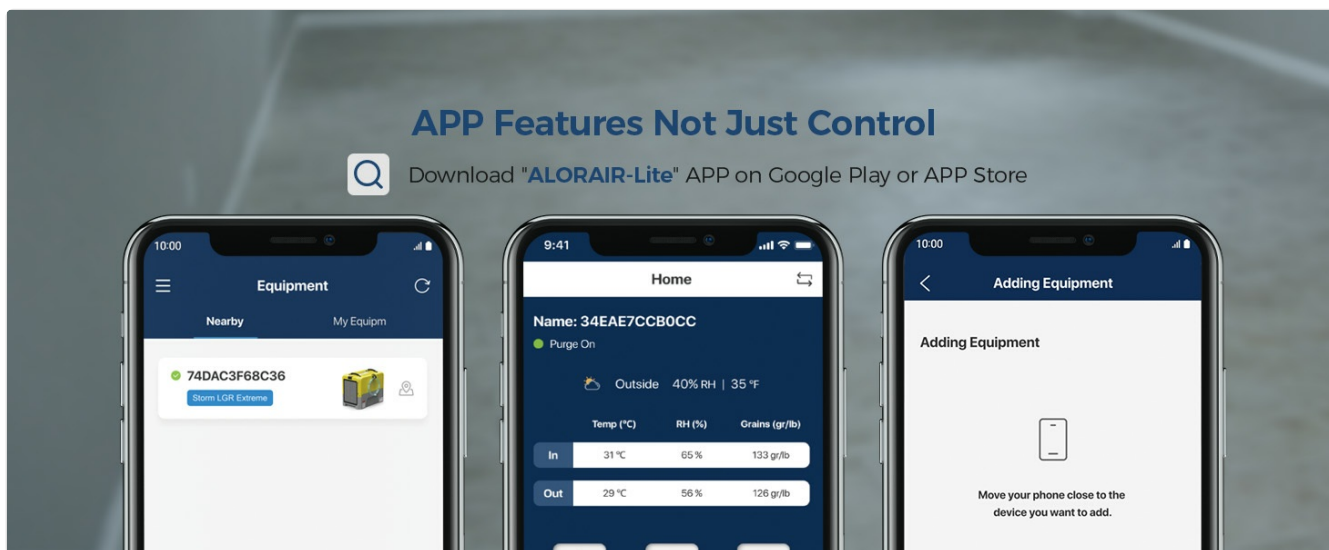


Image: A MERV-8 filter, which should be regularly cleaned or replaced to maintain air quality and unit efficiency.

6.2 Pump Maintenance

The built-in pump requires periodic cleaning to prevent clogs and ensure proper drainage. Refer to the app or unit display for pump maintenance reminders. When turning off the unit, the pump will run for approximately 30 seconds to empty the system, preparing it for storage or transport.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not turn on	No power, power cord damaged, unit in standby mode.	Check power connection, inspect cord, press power button.
Dehumidifier not collecting water	Humidity too low, temperature too low, filter clogged, unit in defrost mode.	Check ambient conditions, clean/replace filter, wait for defrost cycle to complete.
Water leaking from unit	Drain hose clogged or kinked, pump malfunction.	Check drain hose for obstructions, clean pump.
App connection issues	Incorrect Wi-Fi password, 5 GHz network active, app version mismatch, Android compatibility.	Verify password, disable 5 GHz, ensure correct app version, check device compatibility.

For further assistance, please contact our customer service team.

8. SPECIFICATIONS

- **Model Name:** Storm LGR Extreme WiFi
- **Moisture Removal Capacity:** 180 PPD (Saturation), 85 Pints (AHAM)
- **Coverage Area:** Up to 2300 sq ft
- **Power:** 115 Volts (AC), 646.3 Watt-hours, 5.62A
- **Dimensions (D x W x H):** 22.8" x 13.7" x 17.3"
- **Item Weight:** 64.3 Pounds
- **Operation Mode:** Continuous
- **Upper Temperature Rating:** 104°F
- **Filter Type:** MERV-8
- **Drain Hose Length:** 19.6 ft
- **Pump Drainage Height:** 14.7 ft

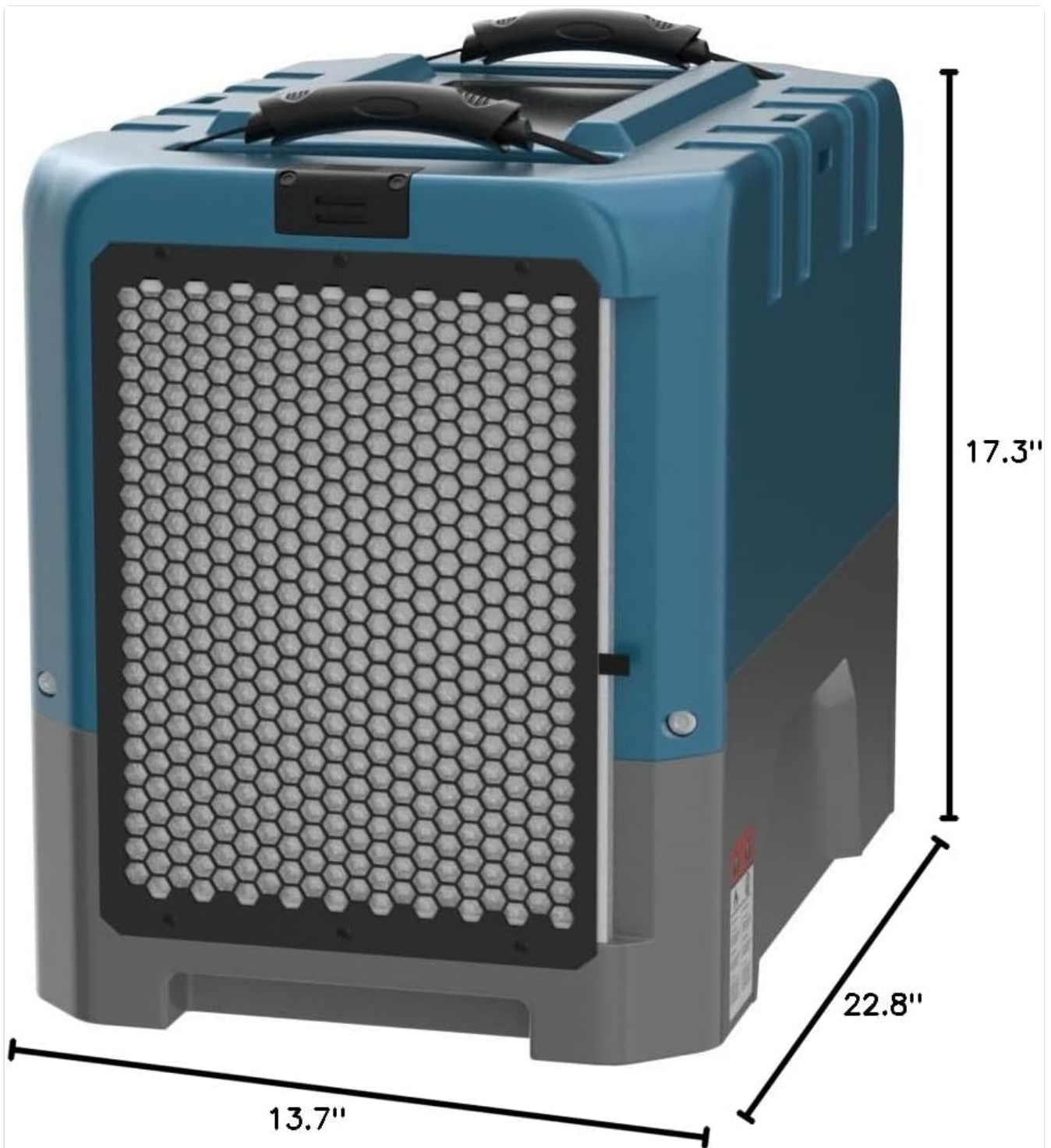


Image: A diagram illustrating the key dimensions (depth, width, height) of the ALORAIR Storm LGR Extreme WiFi Commercial Dehumidifier.

9. WARRANTY AND SUPPORT

The ALORAIR Storm LGR Extreme WiFi Commercial Dehumidifier comes with a 5-year limited warranty. This warranty covers:

- **6 Month Parts and Labor:** Includes shipment charges for replacement parts or unit.
- **1 Year Parts and Labor:** Excludes shipment charge to send defective product back for repair or replacement.
- **3-Year Parts and Labor:** Coverage for refrigeration system only.
- **5-Year Compressor and Coil.**

For additional warranty information or technical support, please refer to the product user manual included in the box or contact ALORAIR customer service directly.

