Inventor EP3-WiFi20L

Inventor EVA ION Pro WiFi EP3-WiFi 20L/24H Dehumidifier User Manual

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Inventor EVA ION Pro WiFi EP3-WiFi 20L/24H Dehumidifier. Please read these instructions carefully before use and retain them for future reference.

Figure 1: Inventor EVA ION Pro WiFi Dehumidifier

2. SAFETY INFORMATION

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

- Ensure the power supply matches the voltage specified on the appliance's rating label.
- Do not operate the dehumidifier with a damaged cord or plug.
- Keep the appliance away from heat sources, direct sunlight, and flammable materials.
- Do not block air inlets or outlets. Maintain adequate clearance around the unit.
- Always unplug the unit before cleaning, maintenance, or moving.
- Do not immerse the unit, power cord, or plug in water or other liquids.
- This appliance is for indoor use only.

3. PRODUCT FEATURES

The Inventor EVA ION Pro WiFi Dehumidifier offers advanced features for optimal humidity control and air quality:

- **High Dehumidification Capacity:** Removes up to 20 liters of moisture per day.
- **Integrated Ionizer:** Releases negative ions to neutralize harmful particles, improving air quality.
- **Advanced Filtration:** Includes a mini-HEPA filter for dust and particles, and an activated carbon filter for odors and gases.
- **WiFi Connectivity:** Remote control and management via the INVmate II application.
- **Laundry Drying Mode:** Facilitates natural drying of clothes.
- **Smart Dehumidification:** Automatically adjusts humidity between 45% and 55%.
- **Continuous Dehumidification:** For immediate and sustained results.
- **Adjustable Fan Speeds:** Three levels (Silent/Medium/Turbo).
- **24-Hour Timer:** For scheduled operation.
- **Automatic Restart:** Restores previous settings after a power outage.
- **Large Water Tank:** 3-liter capacity with visible water level and spill protection.
- **Continuous Drainage Option:** Includes a drainage hose for uninterrupted operation.
- **Omnidirectional Wheels:** For easy movement between rooms.

Figure 2: Remote control via WiFi application

4. COMPONENTS AND PARTS

Familiarize yourself with the main components of your dehumidifier:

- **Control Panel:** Top-mounted interface with buttons and digital display.
- **Air Inlet/Outlet:** Grilles for air circulation.
- **Water Tank:** Removable 3-liter tank at the bottom front.
- **Air Filters:** Located behind the air inlet grille (HEPA and Activated Carbon).
- **Continuous Drainage Outlet:** Located at the rear of the unit.
- **Power Cord:** For electrical connection.
- **Wheels:** For easy portability.

Figure 3: Control Panel Overview

5. SETUP

5.1 Unpacking

Carefully remove the dehumidifier from its packaging. Inspect the unit for any signs of damage. Retain the packaging for future storage or transport.

5.2 Placement

Place the dehumidifier on a firm, level surface in a location where the humidity is highest. Ensure there is at least 20 cm (8 inches) of clear space around the air inlets and outlets for proper air circulation.

Figure 4: Proper placement in a room

5.3 Power Connection

Plug the power cord into a grounded electrical outlet. The unit is now ready for operation.

5.4 Continuous Drainage Setup

For continuous operation without needing to empty the water tank, use the included drainage hose:

1. Locate the continuous drainage outlet at the rear of the unit.

2. Remove the rubber stopper from the outlet.

3. Connect one end of the drainage hose to the outlet.

4. Route the other end of the hose to a suitable drain (e.g., floor drain, sink), ensuring it is sloped downwards to allow water to flow freely by gravity.

Figure 5: Continuous drainage connection

6. OPERATING INSTRUCTIONS

6.1 Turning On/Off

Press the **POWER** button on the control panel to turn the unit on or off.

6.2 Setting Desired Humidity Level

In Dehumidification Mode, use the **UP** and **DOWN** arrows to set the desired humidity level between 35% and 85% (in 5% increments). The unit will operate until the set humidity is reached, then cycle on and off to maintain it.

6.3 Mode Selection

Press the **MODE** button to cycle through the available operating modes:

- **Dehumidification Mode:** Standard operation to reduce room humidity to the set level.
- **Smart Dehumidification:** The unit automatically maintains a comfortable humidity level between 45% and 55%.
- **Continuous Dehumidification:** The unit operates continuously regardless of the humidity level, ideal for very damp conditions.
- **Laundry Drying Mode:** Provides powerful dehumidification to help dry clothes faster.

Figure 6: Laundry Drying Mode in action

6.4 Fan Speed

Press the **FAN** button to select between Silent, Medium, and Turbo fan speeds.

6.5 Timer Function

Press the **TIMER** button to set a delay for the unit to turn on or off (from 0.5 to 24 hours).

6.6 Ionizer Function

The ionizer function can be activated or deactivated via the INVmate II app. It helps to purify the air by releasing negative ions.

Figure 7: Integrated Ionizer for cleaner air

6.7 WiFi Connectivity (INVmate II App)

To connect your dehumidifier to the INVmate II app:

1. Download the INVmate II app from your smartphone's app store.
2. Create an account or log in.
3. Follow the in-app instructions to add your device. This typically involves putting the dehumidifier into pairing mode (refer to the app or device display for specific instructions) and connecting it to your home WiFi network.
4. Once connected, you can control the dehumidifier remotely, change modes, set humidity levels, activate the ionizer, and monitor usage.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your dehumidifier.

7.1 Cleaning the Air Filters

The dehumidifier is equipped with a mini-HEPA filter and an activated carbon filter. These should be cleaned regularly (e.g., every 2 weeks or as indicated by the filter indicator) and replaced periodically.

1. Turn off and unplug the unit.
2. Remove the air inlet grille (usually located at the back).
3. Carefully remove the HEPA and activated carbon filters.
4. Clean the filters using a vacuum cleaner to remove dust and debris. For stubborn dirt, the HEPA filter can be gently rinsed with water and allowed to air dry completely before reinstallation. The activated carbon filter should not be washed.
5. Reinstall the dry filters and the air inlet grille.
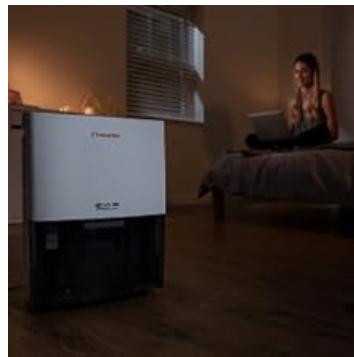
Figure 8: Air filter cleaning

7.2 Emptying and Cleaning the Water Tank

When the water tank is full, the unit will stop operating and an indicator light will illuminate. The tank should be emptied and cleaned regularly to prevent mold and mildew growth.

1. Gently pull out the water tank from the front of the unit.
2. Empty the collected water.
3. Rinse the tank with clean water. For thorough cleaning, use a mild detergent and soft brush, then rinse thoroughly.
4. Reinsert the clean tank firmly into the unit until it clicks into place.

Figure 9: Water tank removal and cleaning

7.3 Storage

If storing the unit for an extended period, ensure the water tank is empty and clean, and the filters are clean and dry. Store the unit upright in a cool, dry place, covered to protect it from dust.

8. TROUBLESHOOTING

Before contacting customer support, refer to the following table for common issues and solutions:

Problem	Possible Cause	Solution
Unit does not turn on	No power supply; Power button not pressed; Water tank full or incorrectly inserted.	Check power connection; Press POWER button; Empty and reinsert water tank correctly.
No water collected	Room humidity too low; Temperature too low; Air filters clogged; Unit in fan-only mode.	Check room humidity (should be above 35%); Ensure room temperature is above 5°C; Clean air filters; Select a dehumidification mode.
Unit is noisy	Unit not on a level surface; Air filters clogged; Fan speed too high.	Place on a level surface; Clean air filters; Select a lower fan speed (e.g., Silent mode).
Water leaks from unit	Water tank not properly inserted; Continuous drainage hose blocked or improperly connected.	Reinsert water tank correctly; Check drainage hose for blockages or kinks, ensure proper slope.
WiFi connection issues	Incorrect WiFi password; Router too far; Dehumidifier not in pairing mode.	Verify WiFi password; Move unit closer to router; Follow app instructions to re-enter pairing mode.

9. SPECIFICATIONS

Specification	Value
Brand	Inventor
Model Number	EP3-WiFi20L
Dehumidification Capacity	20 Liters/24H
Water Tank Volume	3 Liters
Recommended Floor Area	Up to 70 m²
Dimensions (L x W x H)	24.5 x 35 x 51 cm
Weight	14 Kilograms
Special Features	WiFi connectivity, Ionizer, Smart humidity sensing, Laundry drying mode, Auto restart
Fan Speeds	3
Refrigerant	R290

Figure 10: Product Dimensions
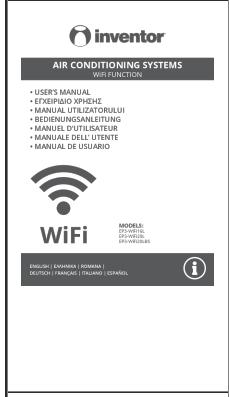
10. WARRANTY AND SUPPORT

Your Inventor EVA ION Pro WiFi Dehumidifier comes with a two (2) year warranty. For warranty claims, technical support, or any questions regarding your product, please refer to the contact information provided with your purchase or visit the official Inventor website.

Figure 11: Customer Support

Related Documents - EP3-WiFi20L

	[Inventor EVA ION PRO WIFI Dehumidifier User Manual - EP3-WiFi16L, EP3-WiFi20L](#) User manual for the Inventor EVA ION PRO WIFI dehumidifier (models EP3-WiFi16L, EP3-WiFi20L). Learn about setup, Wi-Fi control, safety, maintenance, and troubleshooting for optimal home humidity management.
	[Inventor Air Conditioning Systems WiFi Function User Manual](#) This document provides instructions for setting up and using the WiFi function of Inventor Air Conditioning Systems, specifically the EVA II Pro WiFi models. It covers app download, user registration, network configuration for both Android and iOS devices, and an introduction to the unit's functions.
	[Inventor Dehumidifiers Wi-Fi Function User Manual](#) Comprehensive user manual for Inventor Dehumidifiers with Wi-Fi functionality, detailing setup, app control, network configuration, and special features for optimal performance.
	[Inventor Dehumidifier Wi-Fi Quick Start Guide](#) Get started quickly with your Inventor Dehumidifier's Wi-Fi function. This guide covers setup and connection using the Inventor Control app. Find more details on the Inventor website.

[Inventor Eva II Pro Dehumidifier User Manual](#)

This user manual provides comprehensive instructions for operating and maintaining the Inventor Eva II Pro Dehumidifier, covering safety, installation, functions, troubleshooting, and more.

[Inventor Dehumidifier Wi-Fi Function Quick Start Guide](#)

A quick start guide for connecting your Inventor Dehumidifier with Wi-Fi functionality using the Inventor Control app. Learn how to register an account, connect your device via Easy Pairing or AP Mode, and add it automatically.