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> [AIRPLUS 4,500 Sq. Ft. 70 Pints Dehumidifier with Hose, Humidity with Auto Shut off, Auto Drain or Manual Drainage, 0.8 gal Water Tank Capacity for Basement User Manual](#)

AIRPLUS AP20-1909EE

AIRPLUS 4,500 Sq. Ft. 70 Pints Dehumidifier

USER MANUAL

1. Introduction

Thank you for choosing the AIRPLUS 4,500 Sq. Ft. 70 Pints Dehumidifier. This appliance is designed to effectively remove excess moisture from your indoor environment, providing a more comfortable and healthy living space. It combines dehumidification, drying, and air purification functions. Please read this manual thoroughly before operation to ensure proper use, maintenance, and safety.

2. Safety Information

- Always place the dehumidifier on a level, stable surface.
- Ensure the power outlet matches the voltage requirements of the unit.
- Do not operate the unit with a damaged power cord or plug.
- Keep children and pets away from the unit during operation.
- Do not block the air inlets or outlets.
- Unplug the unit before cleaning or performing any maintenance.
- Do not use the unit in areas where flammable liquids or gases are stored.

3. Product Overview

The AIRPLUS Dehumidifier is designed for efficient moisture removal in large spaces up to 4,500 sq. ft. It features a sleek, modern design with a user-friendly control panel.



Figure 3.1: Front view of the AIRPLUS Dehumidifier with hose connection.



Figure 3.2: Dehumidifier dimensions for placement reference.

Control Panel

The digital display control panel allows for quick and efficient operation. It shows temperature, humidity, timer settings, and current mode indicators.

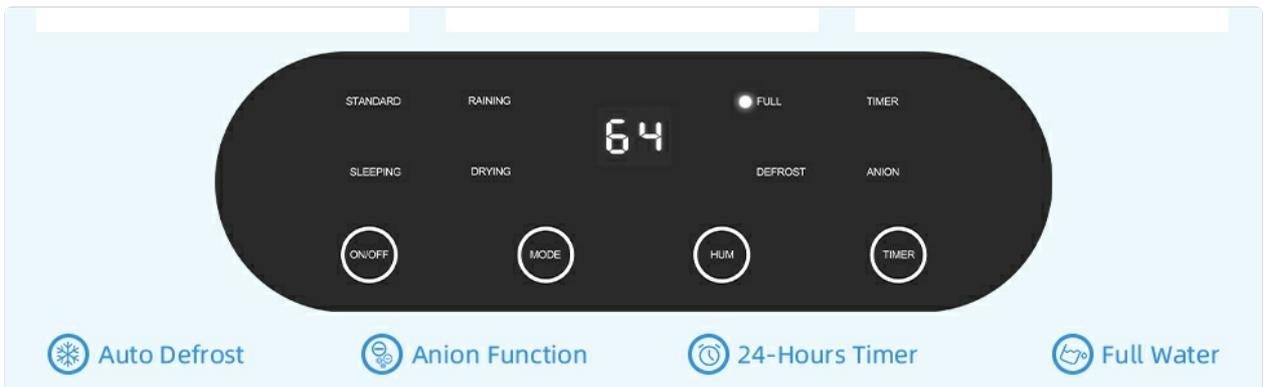


Figure 3.3: Detailed view of the control panel.

- **ON/OFF Button:** Powers the unit on or off.
- **MODE Button:** Cycles through Standard, Raining, Sleeping, and Drying modes.

- **HUM Button:** Adjusts the desired humidity level (40%-80%) in Standard mode.
- **TIMER Button:** Sets the 24-hour timer for preset operation.
- **Indicators:** Lights for Full (water tank full), Defrost (automatic defrost active), and Anion (air purification function).

4. Setup

Placement

Place the dehumidifier in an area where humidity control is desired. Ensure there is at least 8 inches of space around the unit for proper airflow. The unit comes with four 360° rotatable wheels and a handle for easy mobility.



Figure 4.1: Portable design with handle and wheels.

Drainage Options

Your AIRPLUS Dehumidifier offers two convenient drainage methods:

1. **Manual Drainage (Water Tank):** The unit has a 0.8-gallon water tank. When the tank is full, the dehumidifier will beep and automatically shut off. Empty the tank and place it back correctly to resume operation.
2. **Continuous Drainage (Hose):** For continuous operation without needing to empty the tank, connect the included 3.9 ft (1.2m) drainage hose to the drainage port on the back of the unit. Ensure the hose is sloped downwards to allow gravity drainage into a suitable drain or container.

SET YOUR ROOM HUMIDITY

- RH=40-80% / Co**
Standard Mode
- RH=45%**
Raining Mode
- RH=50%**
Sleep Mode
- Continuous DRY**
Mode

80% Before

40% After

Compressor and fan keep running when the ambient humidity reaches the present RH.

The advertisement features a white AIRPLUS dehumidifier in a room with a window showing condensation on the glass and a blue sofa. The unit is positioned in the center. The background is a light gray wall. The text 'SET YOUR ROOM HUMIDITY' is prominently displayed at the top. Below it, four mode options are listed with corresponding icons: Standard Mode (RH=40-80% / Co), Raining Mode (RH=45%), Sleep Mode (RH=50%), and Continuous DRY Mode. Two circular callouts show the humidity level dropping from 80% 'Before' to 40% 'After' after the unit is used. A caption at the bottom explains that the compressor and fan continue to run when the ambient humidity reaches the set point.

Figure 4.2: Manual vs. Continuous Drainage options.

Suitable for Every Corner

4500

50.FT



Figure 4.3: Visual guide for connecting the drain hose and using the water tank.

5. Operating Instructions

Power On/Off

Press the **ON/OFF** button to turn the dehumidifier on or off.

Setting Humidity Level (Standard Mode)

In Standard Mode, you can set your desired humidity level between 40% and 80%. Press the **HUM** button to cycle through the humidity percentages. The unit will operate until the set humidity is reached, then the compressor will power off, and the fan will continue to run.



Figure 5.1: Setting your room humidity.

Operating Modes

Press the **MODE** button to switch between the following modes:

- **Standard Mode:** Allows setting humidity between 40%-80% or continuous dehumidification.
- **Raining Mode:** Automatically sets humidity to 45% to combat high outdoor humidity.
- **Sleep Mode:** Operates at a reduced noise level (under 46 decibels) with humidity set to 50% for quiet operation.
- **Dry Mode:** Designed to dry clothes by continuously operating to absorb excess moisture and prevent dampness odors.

DEHUMIDIFIER FOR HOME



Figure 5.2: Dehumidifier applications in various home settings.

Timer Setting

The 24-hour timer allows you to preset the operation time. Press the **TIMER** button to set the desired hours for the unit to turn on or off automatically, helping to reduce energy consumption.

24H HOURS TIMER SETTING



Figure 5.3: 24-hour timer setting for convenience.

Automatic Features

- **Auto Shut-off/Restart:** The unit automatically shuts off when the water bucket is full and restarts once the bucket is emptied and correctly placed.
- **Automatic Defrost Function:** Prevents collected water from freezing on the coils, ensuring efficient operation in cooler environments.

Product Video Demonstration

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Video 5.1: This video demonstrates the AIRPLUS Dehumidifier's operation, including its ability to reduce humidity, dry clothes, and its continuous drainage feature.

6. Maintenance

Emptying the Water Tank

When the water tank is full, the unit will stop operating and an indicator light will illuminate. Carefully remove the water tank, empty it, and reinsert it firmly until it clicks into place. The unit will then resume operation.

Cleaning the Air Filter

Regularly clean the air filter to maintain optimal performance. A dirty filter can reduce efficiency and airflow.

1. Turn off and unplug the dehumidifier.
2. Locate and remove the air filter (usually at the back or side of the unit).
3. Clean the filter with warm, soapy water or a vacuum cleaner. Ensure it is completely dry before reinserting.
4. Reinsert the clean, dry filter into the unit.



Figure 6.1: Illustration of cleaning the air filter.

Storage

If storing the dehumidifier for an extended period, ensure the water tank is empty and the unit is clean and dry. Store it upright in a cool, dry place, away from direct sunlight and extreme temperatures.

7. Troubleshooting

Problem	Possible Cause	Solution
Dehumidifier does not turn on.	No power; Power cord not plugged in; Water tank full or not properly seated.	Check power supply; Plug in power cord firmly; Empty and re-seat water tank.
Unit is running but not collecting water.	Humidity level set too high; Room temperature too low; Air filter clogged; Air inlets/outlets blocked.	Lower desired humidity setting; Ensure room temperature is above 41°F (5°C); Clean air filter; Clear any obstructions.
Unit is noisy.	Unit not on a level surface; Air filter clogged.	Place unit on a flat, stable surface; Clean air filter.
Water leaks from the unit.	Water tank not properly seated; Continuous drain hose is kinked or clogged.	Re-seat water tank; Check and straighten drain hose, ensure proper slope.

8. Specifications

Feature	Specification
Brand	AIRPLUS
Model Name	AP20-1909EE
Dehumidification Capacity	70 Pints per Day
Coverage Area	Up to 4500 Sq. Ft.
Water Tank Capacity	0.8 Gallons
Product Dimensions (D x W x H)	13.58"D x 8.66"W x 22.2"H
Item Weight	31.4 pounds
Color	White
Material	Plastic
Special Features	Adjustable Humidity Control, Automatic Defrost, Automatic Shutoff, Continuous Draining
Operation Mode	Continuous

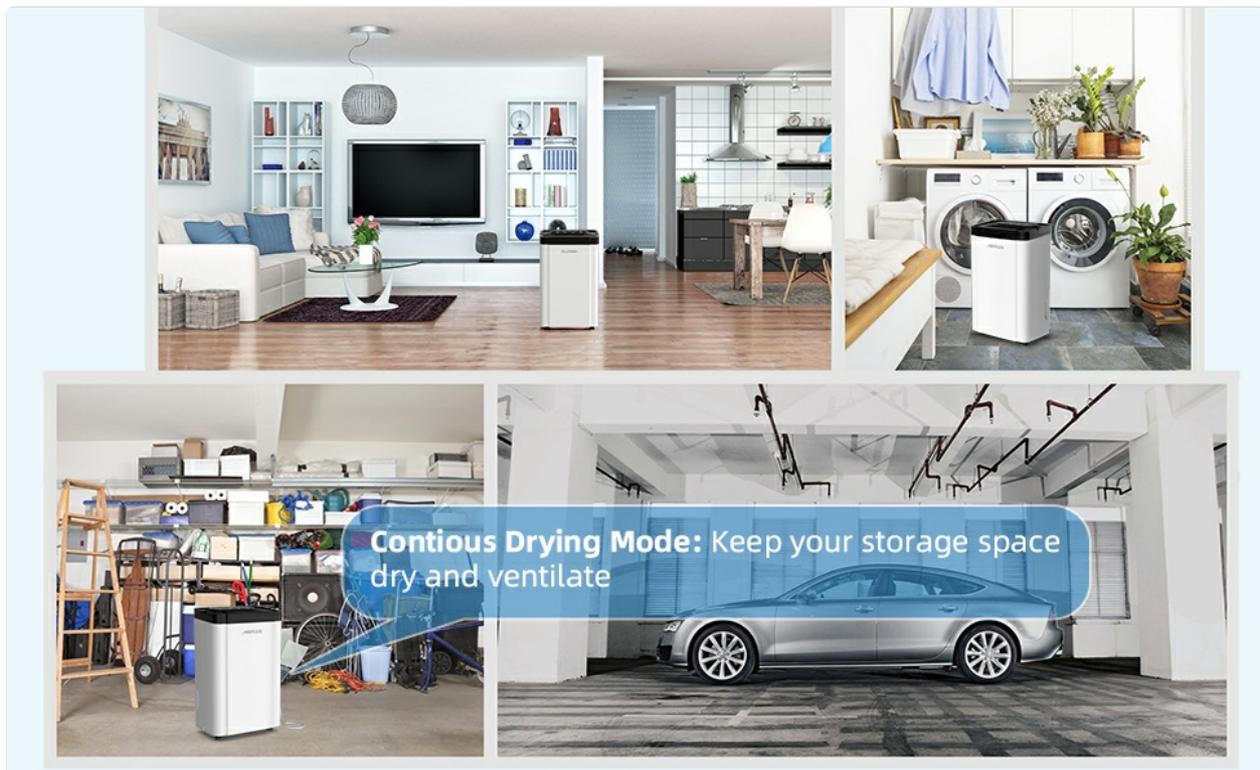


Figure 8.1: Suitable for various large spaces up to 4500 sq ft.

9. Warranty and Support

The AIRPLUS Dehumidifier comes with a standard manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions. For technical support, troubleshooting assistance, or warranty claims, please contact AIRPLUS customer service through the retailer's platform or the official AIRPLUS website.

Please have your model number (AP20-1909EE) and purchase date ready when contacting support.

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Related Documents - AP20-1909EE

	<p>Airplus AP1907P Dehumidifier User Manual</p> <p>User manual for the Airplus AP1907P 30-pint dehumidifier, covering up to 2000 sq. ft. Includes setup, operation, maintenance, and safety guidelines for home and basement use.</p>
	<p>AIRPLUS Healthy Environment Appliances: Product Catalog & Manuals</p> <p>Explore the range of AIRPLUS healthy environment appliances, including dehumidifiers, air purifiers, clothing care machines, and more. This catalog provides product details and specifications.</p>

	<p>Airplus AP20-1905EE Dehumidifier: Setup, Operation, and Safety Manual</p> <p>Comprehensive user manual for the Airplus AP20-1905EE 70-pint dehumidifier, covering setup, safety guidelines, operating modes, timer functions, anion feature, auto-defrost, and maintenance for rooms up to 4,500 sq. ft.</p>
	<p>AIRPLUS Dehumidifier User Manual - Operation, Safety, and Troubleshooting</p> <p>Comprehensive user manual for the AIRPLUS Dehumidifier, covering setup, operation, safety instructions, maintenance, and troubleshooting. Learn how to use your dehumidifier effectively.</p>
	<p>Airplus AP25-2003EE Dehumidifier User Manual</p> <p>Comprehensive user manual for the Airplus AP25-2003EE dehumidifier, covering product details, operation, care and cleaning, troubleshooting, and technical specifications. Learn how to use and maintain your Airplus dehumidifier for optimal performance.</p>
	<p>AIRPLUS Air Purifier User Manual - Operation, Care, and Warranty</p> <p>Comprehensive user manual for the AIRPLUS Air Purifier, covering product details, operation, filter installation, cleaning, storage, troubleshooting, and warranty information.</p>