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> AIRPLUS Dehumidifier User Manual

AIRPLUS AP2103

AIRPLUS Dehumidifier User Manual

Model: AP2103 (AP20-2103EE) | Brand: AIRPLUS

1. INTRODUCTION

Thank you for choosing the AIRPLUS Dehumidifier. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your new appliance. Please read it thoroughly before use and retain it for future reference.

The AIRPLUS Dehumidifier is designed to efficiently remove excess moisture from your environment, creating a more comfortable and healthy living space. It is suitable for areas up to 4,500 square feet and can remove up to 70 pints of moisture per day.

Key features include:

- High-performance moisture removal (70 Pints/Day, 4,500 Sq. Ft. coverage).
- User-friendly control panel with multiple functions: Drying, Humidity settings, Timer, Fan Speed, and Ionizer.
- Convenient design with portable handle and 360° universal wheels for easy mobility.
- Quiet operation (under 48dB).
- Full-tank detection with automatic shut-off to prevent overflow.
- Flexible drainage options: manual tank emptying or continuous drainage with the included hose.

2. SAFETY INSTRUCTIONS

To reduce the risk of fire, electric shock, or injury, always follow these basic precautions:

- Read all instructions before using the appliance.
- Ensure the power supply matches the voltage specified on the rating label.
- Do not operate the dehumidifier with a damaged cord or plug. If the cord is damaged, it must be replaced by the manufacturer or a qualified service agent.
- Always unplug the dehumidifier before cleaning, servicing, or moving it.
- Do not block air inlets or outlets. Maintain at least 8 inches (20 cm) of clearance around the unit.
- Do not use the appliance in wet or damp environments such as bathrooms or laundry rooms where it may come into

contact with water.

- Keep children and pets away from the appliance.
- Do not insert fingers or foreign objects into the air inlets or outlets.
- Place the dehumidifier on a stable, level surface to prevent tipping and water spillage.
- Do not use chemical solvents or flammable materials near the unit.
- This appliance is for indoor use only.

3. PRODUCT OVERVIEW

Familiarize yourself with the components of your AIRPLUS Dehumidifier.



Figure 3.1: Front view of the AIRPLUS Dehumidifier, showcasing its sleek design and the AIRPLUS logo with a green indicator light.

3.1 Main Components

- **Control Panel:** Located on the top, for setting functions and monitoring status.
- **Air Inlet/Outlet:** Grilles for air circulation.

- **Water Tank:** Removable bucket for collecting condensed water.
- **Drain Hose Connection:** Port for continuous drainage.
- **Portable Handle:** Integrated handle for easy lifting.
- **360° Universal Wheels:** For effortless movement across surfaces.
- **Washable Filter:** Located behind the air inlet, designed for easy disassembly and cleaning.



Figure 3.2: Details of the portable handle and 360° universal wheels, highlighting the unit's mobility features.

3.2 Control Panel and Indicators

The smart digital control panel allows for easy operation and monitoring.



Figure 3.3: Overview of the Smart Digital Control Panel, showing various function icons.

- **DRYING Button:** Activates strong dehumidification mode for rapid drying.
- **HUMIDITY Button:** Allows customization of desired humidity levels.
- **TIMER Button:** Sets auto-start and auto-stop times (1 to 24 hours).
- **SPEED Button:** Adjusts fan speed (multiple modes available).
- **IONIZER Button:** Activates the air purification function.
- **ON/OFF Button:** Powers the unit on or off.
- **Display Screen:** Shows current humidity, set humidity, and timer settings.
- **Indicator Light:** Changes color to indicate ambient humidity levels (Green: Comfortable, Orange: Slightly Damp, Red: Damp).

Colorful Indicator Light

for showing the ambient humidity



Figure 3.4: Explanation of the Colorful Indicator Light, showing humidity ranges.

4. SETUP

4.1 Unpacking

1. Carefully remove the dehumidifier from its packaging.
2. Remove all packing materials, including any tape or protective films.
3. Check for any shipping damage. If the unit is damaged, do not operate it and contact customer support.

4.2 Placement

- Place the dehumidifier on a firm, level surface that can support its weight when the water tank is full.
- Ensure there is at least 8 inches (20 cm) of space around the unit for proper air circulation. Do not place it against a wall or furniture that would block the air inlets or outlets.
- Avoid placing the unit in direct sunlight or near heat sources like radiators or heaters, as this can affect performance.
- For optimal performance, close all doors and windows in the room where the dehumidifier is operating.

4.3 Power Connection

- Ensure the power cord is fully extended and not tangled.
- Plug the power cord into a grounded electrical outlet with the correct voltage.

5. OPERATING INSTRUCTIONS

5.1 Turning On/Off

- Press the **ON/OFF** button once to turn the unit on. The display will show the current ambient humidity.
- Press the **ON/OFF** button again to turn the unit off.

5.2 Setting Desired Humidity

- With the unit on, press the **HUMIDITY** button. The display will flash the current set humidity.
- Use the **+** or **-** buttons (often integrated with HUMIDITY or separate arrows) to adjust the desired humidity level (e.g., from 30% to 80% RH).
- The unit will operate until the set humidity level is reached, then it will cycle on and off to maintain that level.

5.3 Using the Timer Function

The timer allows you to set a specific time for the unit to turn on or off automatically.



Figure 5.1: Illustration of the 1 to 24 Hour Timer function.

- **To set Auto-Off:** With the unit running, press the **TIMER** button. Use the **+** or **-** buttons to select the desired number of hours (1-24) after which the unit will turn off.
- **To set Auto-On:** With the unit off, press the **TIMER** button. Use the **+** or **-** buttons to select the desired number of hours (1-24) after which the unit will turn on.
- The timer indicator light will illuminate when the timer is active.

5.4 Fan Speed Adjustment

- Press the **SPEED** button to cycle through available fan speeds (e.g., Low, Medium, High).
- Higher fan speeds result in faster dehumidification but may produce more noise.

5.5 Ionizer Function

- Press the **IONIZER** button to activate the air purification feature.
- Press it again to deactivate.

5.6 Drainage Options

Your dehumidifier offers two methods for water removal:



Figure 5.2: Comparison of Manual and Continuous Drainage Methods.

5.6.1 Manual Drainage (Water Tank)

- When the water tank is full, the unit will automatically shut off, a beeping alarm will sound, and the "FULL" indicator light will illuminate.
- Carefully pull out the water tank from the front of the unit.
- Empty the collected water into a sink or drain.
- Slide the empty water tank back into the unit until it clicks into place. The unit will resume operation.



Figure 5.3: Full-Tank Detection and indicator.

5.6.2 Continuous Drainage (Drain Hose)

- Locate the continuous drain port on the back or side of the unit.
- Connect the included drain hose to this port. Ensure a secure connection to prevent leaks.
- Route the other end of the hose to a suitable drain (e.g., floor drain, large bucket, sink). Ensure the hose is sloped downwards to allow gravity drainage. Do not allow the hose to kink or be elevated above the drain port.
- With continuous drainage set up, the water tank will not fill, and the unit will operate continuously without needing manual emptying.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your dehumidifier.

6.1 Cleaning the Air Filter

The air filter should be cleaned every two weeks or more frequently depending on usage and air quality.

1. Turn off the dehumidifier and unplug it from the power outlet.
2. Locate the air filter (typically at the back or side, behind the air inlet grille).
3. Remove the filter by gently pulling it out.
4. Clean the filter with warm, soapy water. Rinse thoroughly and allow it to air dry completely before reinserting. Do not use a dishwasher.
5. Once dry, slide the filter back into its slot.

6.2 Cleaning the Water Tank

Clean the water tank regularly to prevent mold and mildew growth.

1. Remove the water tank from the unit.
2. Wash the tank with mild detergent and warm water.
3. Rinse thoroughly and dry completely before placing it back into the dehumidifier.

6.3 Cleaning the Exterior

- Wipe the exterior of the dehumidifier with a soft, damp cloth.
- Do not use abrasive cleaners, waxes, or solvents, as these can damage the surface.

6.4 Storage

If storing the dehumidifier for an extended period:

1. Turn off the unit and unplug it.
2. Empty the water tank and ensure it is completely dry.
3. Clean the air filter and reinsert it.
4. Coil the power cord neatly.
5. Cover the unit with a plastic bag or original packaging to protect it from dust.
6. Store the dehumidifier in a cool, dry place.

7. TROUBLESHOOTING

Before contacting customer support, please refer to the following troubleshooting guide for common issues.

Problem	Possible Cause	Solution
Dehumidifier does not turn on.	No power supply. Water tank is full or not properly seated. Temperature is too low (below 41°F / 5°C).	Ensure the unit is plugged into a working outlet. Empty the water tank and ensure it is correctly inserted. Operate the unit in an environment above 41°F (5°C).

Problem	Possible Cause	Solution
Unit is running but not collecting water.	Humidity level is already low. Air filter is clogged. Room temperature is too low. Continuous drain hose is improperly connected or kinked.	Check the ambient humidity reading. If it's below your set point, the unit will not dehumidify. Clean the air filter. Ensure room temperature is above 41°F (5°C). Check the drain hose for proper connection and ensure it's not kinked or elevated.
Unit is noisy.	Unit is not on a level surface. Air filter is dirty. Obstruction in fan or air vents.	Place the unit on a flat, stable surface. Clean the air filter. Check for and remove any obstructions.
Frost appears on coils.	Low room temperature.	The unit has an automatic defrost function. Allow it to defrost naturally. If the problem persists, increase room temperature.

8. SPECIFICATIONS

Feature	Detail
Brand	AIRPLUS
Model Name	AP2103 (AP20-2103EE)
Dehumidification Capacity	70 Pints per Day (2012 DOE Standard)
Coverage Area	Up to 4,500 Sq. Ft.
Tank Volume	4.5 Liters
Product Dimensions (D x W x H)	9.72"D x 13.8"W x 23.5"H
Item Weight	34 pounds
Wattage	300 watts
Number of Speeds	3
Special Features	Continuous Draining, Defrost, Drying, Ionizer, Timer
Included Components	Drain Hose
Color	Pearl White

9. WARRANTY AND SUPPORT

AIRPLUS products are manufactured to the highest quality standards. This product comes with a standard manufacturer's

warranty covering defects in materials and workmanship from the date of purchase. Please refer to the warranty card included in your product packaging for specific terms and conditions.

For technical support, warranty claims, or general inquiries, please contact AIRPLUS customer service. Contact information can typically be found on the product packaging or the official AIRPLUS website.

Please note: Unauthorized repairs or modifications will void the warranty.

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This manual is subject to change without notice.