AIRPLUS AP16-602EE

AIRPLUS Dehumidifier User Manual

Model: AP16-602EE

1. INTRODUCTION

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

This dehumidifier is designed to effectively remove excess moisture from the air, creating a more comfortable and healthy indoor environment. It is ideal for use in homes, basements, bathrooms, bedrooms, and other large rooms up to 4500 sq. ft.

2. SAFETY INFORMATION

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

- Read all instructions before using the appliance.

- Do not operate the dehumidifier with a damaged cord or plug.

- Ensure the appliance is placed on a stable, level surface to prevent tipping.

- Do not block air inlets or outlets. Maintain at least 8 inches (20 cm) clearance from walls or furniture.

- Do not immerse the appliance, cord, or plug in water or other liquids.

- Unplug the dehumidifier before cleaning, moving, or performing any maintenance.

- Keep children and pets away from the appliance during operation.

- This appliance is for indoor use only.

3. PRODUCT OVERVIEW

The AIRPLUS Dehumidifier is designed for high performance and user convenience. Below are key features and components.

Figure 3.1: AIRPLUS Dehumidifier AP16-602EE

Key Features:

- **Superior Performance:** Removes up to 70 pints of moisture per day, suitable for areas up to 4500 sq. ft.

- **Intelligent Humidistat:** Automatically maintains desired humidity levels. The unit will stand by when ambient humidity is 4% lower than the preset humidity and start working when ambient humidity is 4% higher.

- **Continuous Drainage:** Includes a drain hose for continuous water removal, eliminating the need for frequent manual emptying.

- **Auto Shutoff:** Automatically stops operation when the water tank is full to prevent overflow.

- **Adjustable Airflow:** Three fan speeds (Low, Medium, High) to optimize dehumidification.

- **Multiple Modes:** Dehumidification, Drying (for clothes), and Air Supply (fan-only) modes.

- **Two-way Timing:** Program the unit to turn on or off at specific times.

- **Easy Operation:** User-friendly control panel with five intuitive buttons.

- **Large Capacity Water Tank:** 2.8-liter detachable water tank.

- **Detachable and Washable Filter:** For easy maintenance and improved air quality.

- **360° Universal Casters:** For easy mobility.

Control Panel and Display:

Multiple Modes to Meet Different Needs

Simple and informative display, handle diversified functions with the easiest steps.

Dehumidification/Air-supply mode

LO HI ANION

°F

HUM TIMER SPEED MODE

Humidity selection

The control panel features buttons for Humidity (HUM), Timer, Power, Speed, and Mode, along with a digital display for current humidity and settings.

Additional Features Visualized:

Figure 3.3: Daily Operation Schedule with Timer Function

Intelligent Constant Humidity

Automatically stand by when ambient humidity is 4% lower than the preset humidity and start working while ambient humidity is 4% higher

Remain a comfortable humidity level in your house

Figure 3.4: Intelligent Constant Humidity Control

Air-supply Mode

Effectively improve the indoor air circulation
Enable your home to be a pleasant breathing space

Figure 3.5: Air-supply Mode for Improved Air Circulation

Figure 3.6: Optional Drainage Methods: Manual and Continuous

Full Water Tank Alarm

Automatically shut down and trigger the indicator light when water tank is full

2.8L Large
Capacity Water Tank

Lessen the efforts of emptying water tank

Figure 3.7: 2.8L Large Capacity Water Tank with Full Tank Alarm
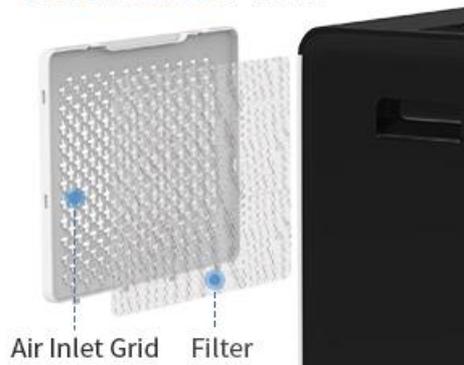
Detachable and
Washable Filter

Air Inlet Grid   Filter

Figure 3.8: Detachable and Washable Air Filter

Figure 3.9: 360° Universal Casters for Easy Movement

4. SETUP

4.1 Placement

Place the dehumidifier on a firm, level surface in an area where the temperature will not fall below 41°F (5°C). Ensure there is at least 8 inches (20 cm) of space around the unit for proper airflow. Avoid placing it near heat sources or in direct sunlight.

4.2 Power Connection

Plug the power cord into a grounded electrical outlet. Ensure the voltage matches the requirements of the unit (refer to specifications).

4.3 Drainage Options

Your dehumidifier offers two drainage methods:

- **Manual Drainage (Water Tank):** The unit will collect water in its internal 2.8-liter water tank. When the tank is full, the dehumidifier will automatically shut off and an indicator light will illuminate. You will need to manually empty the tank.
- **Continuous Drainage (Drain Hose):** For continuous operation without manual emptying, attach the included drain hose to the drainage port on the back of the unit. Route the hose to a suitable drain (e.g., floor drain, large bucket) ensuring it is sloped downwards to allow gravity to drain the water.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

Press the **Power** button to turn the dehumidifier on or off.

5.2 Setting Desired Humidity (HUM)

Press the **HUM** button to adjust the desired humidity level. The display will show the target humidity. The unit will operate until the ambient humidity reaches this level, then cycle on and off to maintain it.

5.3 Selecting Operating Mode (MODE)

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

- **Dehumidification Mode:** Standard operation to remove moisture from the air.
- **Drying Mode:** Designed to dry clothes more quickly by providing continuous airflow and dehumidification.
- **Air Supply Mode:** The fan operates without the dehumidifying function, circulating air like a fan.

5.4 Adjusting Fan Speed (SPEED)

Press the **SPEED** button to select the desired fan speed: Low, Medium, or High. Higher speeds result in faster dehumidification but may produce more noise.

5.5 Timer Function (TIMER)

Press the **TIMER** button to set a delayed start or stop time. You can program the unit to turn on or off after a specified number of hours, allowing for convenient unattended operation.

6. MAINTENANCE

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

6.1 Emptying the Water Tank

When the water tank is full, the unit will stop operating and an indicator light will illuminate. Carefully pull out the water tank from the front of the unit, empty the collected water, and then slide the tank back into place until it clicks securely. The unit will resume operation.

6.2 Cleaning the Air Filter

The air filter should be cleaned regularly, approximately every two weeks or more often depending on usage and air quality. A dirty filter can reduce efficiency and airflow.

1. Turn off and unplug the dehumidifier.
2. Locate the air filter (refer to Figure 3.8 in Product Overview).
3. Remove the filter.
4. Wash the filter with warm, soapy water. Rinse thoroughly.
5. Allow the filter to air dry completely before reinserting it into the unit. Do not use a dryer or direct heat.

6.3 General Cleaning

Wipe the exterior of the dehumidifier with a soft, damp cloth. Do not use harsh chemicals, abrasives, or solvents, as these can damage the surface. Ensure the unit is unplugged before cleaning.

7. TROUBLESHOOTING

If you encounter issues with your dehumidifier, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Dehumidifier does not turn on.	No power; Water tank full or not properly seated; Temperature too low.	Check power connection; Empty and re-seat water tank; Ensure room temperature is above 41°F (5°C).

Problem	Possible Cause	Solution
No water collected or low dehumidification.	Humidity setting too high; Air filter clogged; Room size too large; Doors/windows open.	Lower desired humidity setting; Clean air filter; Ensure unit is appropriate for room size; Close doors and windows.
Unit is noisy.	Unit not on a level surface; Air filter loose or clogged.	Place unit on a level surface; Ensure filter is properly installed and clean.
Water leaks from the unit.	Water tank not properly seated; Drain hose improperly connected or clogged.	Re-seat water tank; Check drain hose connection and ensure it's not kinked or blocked.

If the problem persists after attempting these solutions, please contact customer support.

8. SPECIFICATIONS

Specification	Value
Brand	AIRPLUS
Model Name	AP16-602EE
Floor Area Coverage	Up to 4500 Sq. Ft
Dehumidification Capacity	70 Pints per Day (under 90% RH @ 86°F)
Water Tank Volume	2.8 Liters
Product Dimensions	12.12"D x 8.85"W x 20.7"H
Item Weight	22.2 Pounds
Wattage	197 watts
Number of Speeds	3
Color	Natural White
Recommended Use	Indoor
Included Components	Drain Hose

9. WARRANTY AND SUPPORT

AIRPLUS provides a 2-year quality service for replacement with your dehumidifier. This warranty covers defects in materials and workmanship under normal use.

If you experience any problems with your AIRPLUS dehumidifier or have questions regarding its operation, please do not hesitate to contact our customer support team. We are committed to ensuring your satisfaction.

Contact Information:

- Please refer to the contact details provided on your product packaging or the official AIRPLUS website

for the most up-to-date support information.