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› Aeric 8,000 BTU Portable Air Conditioner User Manual

## Aeric AERP081AW

# Aeric 8,000 BTU Portable Air Conditioner User Manual

Model: AERP081AW

Brand: Aeric

## INTRODUCTION

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This manual provides essential information for the safe and efficient operation of your Aeric 8,000 BTU Portable Air Conditioner. This unit is designed to provide cooling and dehumidification for rooms up to 550 square feet. Please read this manual thoroughly before installation and use, and retain it for future reference.

Key features of your Aeric Portable Air Conditioner include:

- **3-in-1 Functionality:** Cools, dehumidifies, and operates as a fan.
- **Powerful Cooling:** 8,000 BTU SACC Standard (12,000 BTU ASHRAE) for spaces up to 550 sq. ft.
- **Dehumidification:** Removes up to 85 pints of moisture per day.
- **Multiple Fan Speeds:** Features 3 fan speeds for customized airflow.
- **Auto-Evaporation System:** Condensates water internally for efficient cooling.
- **User-Friendly Controls:** Brightly lit LED display and full-feature remote control.
- **24-Hour Timer:** Allows for scheduled operation.
- **Portability:** Equipped with 4-way directional casters and built-in side handles for easy movement.
- **Easy Maintenance:** Removable and washable mesh filter.

## SAFETY INFORMATION

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Please observe the following safety precautions to reduce the risk of fire, electric shock, or injury.

- Always plug the unit into a grounded 3-prong outlet. Do not remove the grounding prong.
- Do not use an adapter or extension cord.
- Ensure the power cord is not damaged or pinched.
- Do not operate the unit with wet hands.
- Keep flammable materials away from the unit.
- Do not block air inlets or outlets.

- Always unplug the unit before cleaning or servicing.
- Do not attempt to repair or modify the unit yourself. Contact qualified service personnel.
- 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.

## PRODUCT OVERVIEW

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Familiarize yourself with the components of your Aeric Portable Air Conditioner.

### Unit Components



*Image: The Aeric Portable Air Conditioner, a compact white unit with a black top panel, featuring control buttons and the Aeric logo. The unit is equipped with casters for mobility.*

## Key Features and Modes



**3-in-1 Air Conditioner**

		
<b>Cool</b>	<b>Fan</b>	<b>Dehumidification</b>
Up to 550 Sq. Ft.	3 Speeds	Up to 85 Pints/day

*Image: Graphic illustrating the 3-in-1 functionality of the Aeric Portable Air Conditioner: Cool (up to 550 Sq. Ft.), Fan (3 Speeds), and Dehumidification (up to 85 Pints/day).*

## Dimensions and Weight



*Image: The Aeric Portable Air Conditioner with its key dimensions labeled: 28.1 inches in height, 16.3 inches in width, and 13.5 inches in depth. The unit weighs 67 lbs.*

### **Included Accessories**

# Full Feature Remote & Window Kit Included



*Image: A display of the accessories included with the Aeric Portable Air Conditioner, featuring a flexible exhaust hose, a round exhaust adapter, a window venting kit (adjustable panels), and a full-feature remote control with batteries.*

## Remote Control





*Image: Close-up of the Aeric Portable Air Conditioner's remote control, showing buttons for Power, Mode, Fan Speed, Timer, Temperature Up/Down, Light, and Sleep.*

## **SETUP AND INSTALLATION**

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Proper installation is crucial for the efficient operation of your portable air conditioner. Follow these steps carefully.

## Unpacking and Placement

1. Carefully remove the unit and all accessories from the packaging.
2. Place the unit on a flat, stable surface near a window and a grounded electrical outlet.
3. Ensure there is at least 20 inches (50 cm) of space around the unit for proper airflow.
4. The unit is equipped with 4-way directional casters for easy movement.

## Window Venting Kit Installation

The window venting kit is designed for use with double/single hung windows and two-panel slider windows. The kit includes an exhaust hose and adjustable window panels.

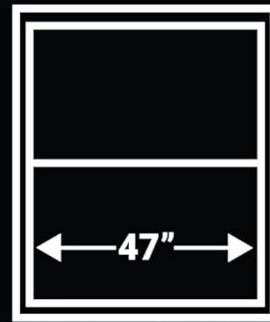


*Image: The Aeric Portable Air Conditioner positioned in a living room, with its exhaust hose connected to a window panel, venting hot air outside. The room features a large window overlooking a green landscape.*

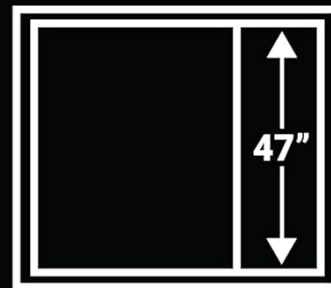


# Easy to Install

compatible with



Double/Single  
Hung Window



Two Panel  
Slider Window

*Image: A diagram illustrating the compatibility of the Aeric Portable Air Conditioner's window kit with both Double/Single Hung Windows and Two Panel Slider Windows, showing a maximum window width of 47 inches.*

1. **Assemble the Window Kit:** Connect the exhaust hose to the exhaust adapter and then to the window panel.
2. **Install Window Panel:** Open the window and place the adjustable window panel into the window opening. Extend the panel to fit the width of your window, securing it with the provided screws if necessary. Ensure a tight seal to prevent air leakage.
3. **Connect Exhaust Hose:** Attach the other end of the flexible exhaust hose to the exhaust outlet on the back of the air conditioner unit. Extend the hose as straight as possible to the window panel, avoiding sharp bends or kinks that could restrict airflow. The exhaust hose is 47.2 inches long.
4. **Seal Gaps:** Use foam seals or tape (not included) to seal any gaps around the window kit to maximize cooling efficiency.

**Important:** The exhaust hose must be properly installed to vent hot air outside. Failure to do so will reduce cooling efficiency and may cause the unit to overheat.

## OPERATING INSTRUCTIONS

Your Aeric Portable Air Conditioner can be operated using the control panel on the unit or the included remote control.

## Control Panel and Remote Functions

- **Power Button ( ):** Turns the unit ON or OFF.
- **Mode Button ( ):** Cycles through Cool, Fan, and Dehumidify modes.
- **Fan Speed Button ( ):** Adjusts fan speed (Low, Medium, High).
- **Temperature Up/Down Buttons (+ / -):** Adjusts the desired temperature in Cool mode.
- **Timer Button ( ):** Sets the auto-on or auto-off timer (up to 24 hours).
- **Sleep Button ( ):** Activates Sleep mode for quieter operation and gradual temperature adjustment.
- **Light Button ( ):** Turns the display light ON or OFF.

## Operating Modes

### 1. Cool Mode:

Select Cool mode. Use the Up/Down buttons to set your desired temperature. The unit will cool the room to the set temperature. The fan speed can be adjusted.

### 2. Fan Mode:

Select Fan mode. The unit will circulate air without cooling. Adjust fan speed as desired. This mode is useful for air circulation when cooling is not needed.

### 3. Dehumidify Mode:

Select Dehumidify mode. The unit will remove excess moisture from the air. The fan speed is typically fixed to low in this mode. While the unit has an auto-evaporation system, in very humid conditions, manual drainage may be required (see Maintenance section).

## Timer Function

The 24-hour timer allows you to program the unit to turn on or off automatically. Press the Timer button and use the Up/Down buttons to set the desired time in hours.

## MAINTENANCE

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Regular maintenance ensures optimal performance and extends the lifespan of your Aeric Portable Air Conditioner. Always unplug the unit before performing any maintenance.

### Cleaning the Air Filter

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

1. Turn off and unplug the air conditioner.
2. Locate the air filter on the back of the unit (behind the intake grille).
3. Gently pull out the filter.
4. Wash the filter with warm water and mild soap. Rinse thoroughly.
5. Allow the filter to air dry completely before reinstalling. Do not expose to direct sunlight or high heat.
6. Slide the dry filter back into its position.

**Note:** A dirty filter can significantly reduce cooling efficiency and airflow.

### Draining Water

Your unit features an auto-evaporation system that recycles condensed water to enhance cooling and reduce the need for manual drainage. However, in high humidity environments or when operating in Dehumidify mode for extended periods, the internal water tank may fill up, and the unit will stop operating to prevent overflow. The unit will display an error code (e.g., "FL" for Full) when drainage is required.

1. Turn off and unplug the air conditioner.
2. Locate the drainage port at the bottom rear of the unit.
3. Place a shallow pan or tray (not included) under the drainage port. Due to the low position of the port, you may need to slightly elevate the unit or use a very flat container.
4. Remove the drain plug. Water will begin to flow out.
5. Once all water has drained, replace the drain plug securely.

For continuous drainage in Dehumidify mode, you can attach a drain hose (not included) to the drainage port and direct it to a floor drain or a larger container.

## **Cleaning the Unit Exterior**

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

## **Storage**

If storing the unit for an extended period:

1. Drain all condensed water from the unit.
2. Clean the air filter.
3. Run the unit in Fan mode for a few hours to dry the interior.
4. Unplug the power cord and wrap it neatly.
5. Store the unit in a cool, dry place, preferably in its original packaging.

## **TROUBLESHOOTING**

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

Problem	Possible Cause	Solution
Unit does not turn on.	No power, power cord unplugged, circuit breaker tripped, internal safety switch activated.	Ensure unit is plugged into a grounded outlet. Check circuit breaker. Wait 30 minutes and try again if unit overheated.
Unit is running but not cooling.	Window kit not properly installed, air filter dirty, room too large, doors/windows open, temperature setting too high.	Check window kit for proper sealing. Clean air filter. Ensure room size is within specifications. Close all doors and windows. Lower the set temperature.
Unit is noisy.	Unit not on a level surface, fan speed too high, internal components vibrating.	Place unit on a flat, level surface. Reduce fan speed. Some operational noise is normal (up to 50 dB on High).
Water leakage.	Drain plug loose, unit tilted, internal water tank full.	Ensure drain plug is securely in place. Place unit on a level surface. Drain the internal water tank if full.
Remote control not working.	Batteries dead or incorrectly inserted, obstruction between remote and unit.	Replace batteries. Ensure line of sight between remote and unit's receiver.
Error Code "FL" (Full).	Internal water tank is full.	Drain the internal water tank as described in the Maintenance section.

## SPECIFICATIONS

Technical specifications for the Aeric 8,000 BTU Portable Air Conditioner (Model: AERP081AW).

Feature	Specification
Model Number	AERP081AW
Cooling Capacity (SACC)	8,000 BTU
Cooling Capacity (ASHRAE)	12,000 BTU
Coverage Area	Up to 550 Sq. Ft.
Dehumidification Capacity	85 Pints/day
Power Supply	115 Volts, 60 Hz
Wattage	1100 Watts
Noise Level (High)	50 dB
Dimensions (D x W x H)	13.5" x 16.3" x 28.1"
Item Weight	67 pounds
Refrigerant Type	R-32
Included Components	Portable air conditioner, remote control with batteries, flexible exhaust hose, window venting kit, manual, warranty.

## WARRANTY AND SUPPORT

Your Aeric Portable Air Conditioner is backed by a **2-Year Limited Warranty**. This warranty covers defects in material and workmanship under normal use and service.

For warranty claims, technical assistance, or any questions regarding your product, please contact Aeric Customer

Support. Refer to the contact information provided with your product packaging or visit the official Aeric website for the most up-to-date support details.

When contacting support, please have your model number (AERP081AW) and purchase date available.