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### LG LP1021BSSM

# LG 10,000 BTU Smart Portable Air Conditioner User Manual

Model: LP1021BSSM

## INTRODUCTION

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This manual provides detailed instructions for the safe and efficient operation, installation, and maintenance of your LG 10,000 BTU Smart Portable Air Conditioner. Please read this manual thoroughly before using your appliance and retain it for future reference. This portable air conditioner is designed to provide powerful cooling and dehumidification for rooms up to 450 sq. ft., featuring smart control capabilities via LG ThinQ, Amazon Alexa, and Hey Google.

## SAFETY INFORMATION

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Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, or injury to persons.

- Ensure the power source matches the unit's requirements (115V, 15 Amps).
- Do not operate the unit with a damaged cord or plug.
- Do not block air inlets or outlets.
- Keep the unit on a flat, stable surface to prevent tipping and water leakage.
- Unplug the unit before cleaning or servicing.
- Do not use the unit in wet areas or near water.
- Keep children away from the unit.

## PRODUCT OVERVIEW

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Familiarize yourself with the main components of your portable air conditioner.

### Front View



This image shows the sleek black design of the LG portable air conditioner from the front, highlighting its compact form factor and top control panel.

## Control Panel and Remote

# User Friendly Panel and Remote Control



A detailed view of the intuitive digital control panel located on top of the unit, alongside the included LCD remote control for convenient operation.

## Rear View and Filter Access



This image displays the back of the unit, indicating the location of the removable and washable air filter for easy maintenance.

## Dimensions



An illustration showing the height, width, and depth measurements of the portable air conditioner for placement planning.

## SETUP AND INSTALLATION

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Proper installation is crucial for optimal performance. This unit is designed for easy setup with the included window venting kit.

### 1. Choosing a Location

- Place the unit on a flat, level surface.
- Ensure there is at least 20 inches of space around the unit for proper airflow.
- Position the unit near a window for exhaust hose installation.

### 2. Window Kit Installation

The window venting kit is compatible with both vertical and horizontal sliding windows.



This image illustrates the process of installing the window venting kit, showing a person adjusting the panel in a window frame.

## HOW TO CHOOSE THE RIGHT AIR CONDITIONER FOR YOUR ROOM

### 1. Measure Your Room

Calculate Room Size :  
 Room Length x Room Width = Square Feet



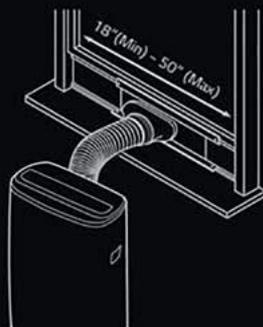
### 2. Match Room Size to BTUs

Room Size :		BTUs/hr <small>Based on U.S. DOE Standard, 10 CFR Pt.</small>
250 SQ.FT.	10' x 25'	6,000
300	15' x 20'	7,000
350	10' x 35'	8,000
400	20' x 20'	9,000
450	18' x 25'	10,000

## FOR THE PERFECT FIT, BE SURE TO CHECK THESE REQUIREMENTS

### 3. Verify Window Size for Duct Installation

Installation in Vertical-Sliding Windows :



Installation in Horizontal-Sliding Windows :



### 4. Check Electrical Requirements

Determine if your circuit is adequate. Check against amperage rating of unit.



115 Volt  
15 Amp

115 Volts AC  
 15 Amps  
 Draws 12.0 Amps  
 Includes 59" grounded cord  
 Weight : 89.5 lbs.

This diagram provides guidance on how to measure your room for appropriate BTU sizing and shows visual instructions for installing the exhaust hose in both vertical and horizontal sliding windows.

1. Assemble the window panel kit according to your window type and size.
2. Connect the exhaust hose to the unit and the window panel adapter.
3. Secure the window panel in the open window, ensuring a tight seal to prevent air leakage.
4. Extend the exhaust hose and connect it to the window panel.

### 3. Electrical Requirements

Ensure your electrical outlet meets the following specifications:

- Voltage: 115 Volts AC
- Amperage: 15 Amps (draws 12.0 Amps)
- Includes 59" grounded cord.

## OPERATING INSTRUCTIONS

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Your LG portable air conditioner offers multiple modes and smart features for customized comfort.

### Control Panel and Remote Control





The remote control allows you to adjust settings from a distance, including mode, temperature, fan speed, and timer.



This image shows the LED display and buttons on the unit's top panel, providing direct access to all functions.

## Operating Modes

# 3 in 1 Operation



This visual represents the three primary operating modes: Cool for powerful cooling, Fan for air circulation, and Dry for dehumidification.

## 3 Modes for Year-round Comfort



Another depiction of the three modes, emphasizing their suitability for different environmental conditions throughout the year.

- **Cool Mode:** Provides powerful cooling and dehumidifying. Adjust temperature using the Up/Down arrows.
- **Fan Mode:** Circulates air without cooling. Select from 2 fan speeds (Low, High).
- **Dry Mode:** Ideal for humid conditions, removing moisture from the air.

## Smart Features (LG ThinQ, Alexa, Google Assistant)

# Control Your Cool From Anywhere

**LG ThinQ™**

works with the  
Google Assistant

WORKS WITH  
alexa



This image demonstrates the convenience of controlling your LG portable air conditioner remotely using the LG ThinQ app on a smartphone, compatible with Google Assistant and Amazon Alexa.

- Download the LG ThinQ app to your smartphone.
- Follow in-app instructions to connect your air conditioner to your home Wi-Fi network.
- Once connected, you can control the unit from anywhere, change modes, set temperatures, and schedule operations.
- Enable the LG ThinQ skill in your Amazon Alexa or Hey Google app to use voice commands.

## Additional Features

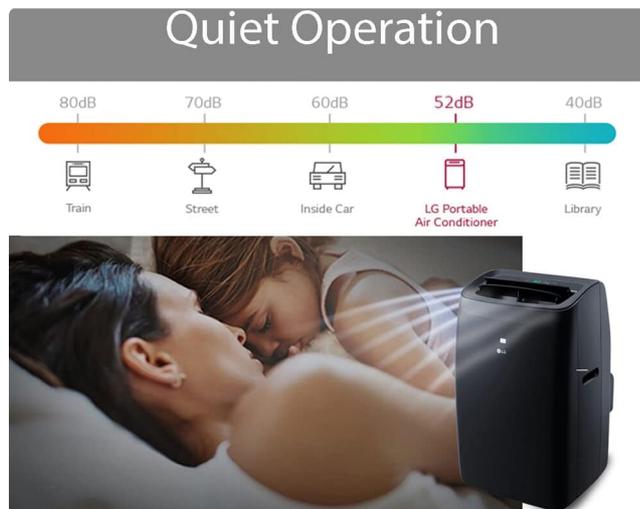
- **Auto-Swing Air Vent:** The auto-swing feature helps distribute cool air evenly throughout the room.

## Auto-Swing Air Vent



A close-up view of the auto-swing air vent, designed to optimize air distribution.

- **24-Hour Timer:** Program the unit to turn on or off at specific times.
- **Auto Restart:** In case of a power outage, the unit will automatically restart with previous settings once power is restored.
- **Quiet Operation:** Engineered for quiet performance, suitable for bedrooms and living spaces.



This graphic illustrates the low noise level of the unit (52dB), comparable to a quiet conversation, making it suitable for use during sleep.

## MAINTENANCE

Regular maintenance ensures efficient operation and extends the lifespan of your air conditioner.

### Cleaning the Air Filter

- The "Check Filter" alert will remind you when it's time to clean the filter.
- Unplug the unit before cleaning.
- Remove the air filter from the back of the unit.
- Wash the filter with warm, soapy water. Rinse thoroughly.
- Allow the filter to air dry completely before reinstalling.
- Clean the filter every two weeks or more often if the unit is used frequently.

### Draining Water

The unit has an auto-evaporation system, but in high humidity conditions, water may accumulate and need to be drained manually.

- When the internal water tank is full, the unit will stop operating and display an error code.
- Place a shallow pan or tray under the drain port at the back of the unit.
- Remove the drain plug to allow water to flow out.

- Replace the drain plug securely once all water has drained.

## TROUBLESHOOTING

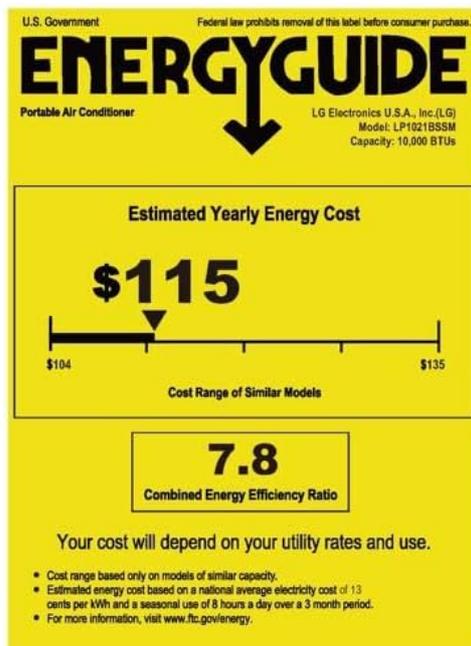
Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Unit does not turn on.	No power, power cord unplugged, circuit breaker tripped.	Check power connection, reset circuit breaker.
Unit does not cool effectively.	Dirty air filter, blocked air intake/outlet, room too large, window kit not sealed.	Clean filter, clear obstructions, ensure proper room size, check window seal.
Water leakage.	Drain plug loose, unit not level, internal water tank full.	Secure drain plug, place unit on level surface, drain water manually.
Unit is noisy.	Unit not on level surface, internal components vibrating.	Ensure unit is level. If noise persists, contact customer support.

## SPECIFICATIONS

Key technical specifications for the LG LP1021BSSM Portable Air Conditioner.

Feature	Detail
Model Number	LP1021BSSM
Cooling Capacity	10,000 BTU
Coverage Area	Up to 450 Sq. Ft.
Power Source	Corded Electric
Voltage	115 Volts
Wattage	1210 watts
Sound Level	50 dB
Product Dimensions (DxWxH)	15.59" x 17.72" x 29.33"
Item Weight	76.1 pounds
Special Features	Dehumidifier, Remote Controlled, WiFi Enabled
Included Components	LCD Remote control, LP1021BSSM Portable Air Conditioner
Energy Efficiency Ratio (SEER)	7.8



The official Energy Guide label provides estimated yearly energy cost and efficiency rating for the unit.

## WARRANTY AND SUPPORT

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### Warranty Information

Your LG Portable Air Conditioner (Model LP1021BSSM) comes with a **1-Year Limited Warranty**. This warranty covers defects in material or workmanship under normal use during the warranty period. Please refer to the full warranty document included with your purchase for complete terms and conditions.

### Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty service, please contact LG Customer Support. You can find contact information on the official LG website or in the documentation provided with your product.

For more information and support, visit the official LG Store: [LG Store on Amazon](#)