

LG LW1217ERSM1

LG LW1217ERSM1 12000 BTU Window Air Conditioner User Manual

1. INTRODUCTION

The LG LW1217ERSM1 is a 12,000 BTU window air conditioner designed for efficient cooling of spaces up to 550 square feet. This unit integrates LG ThinQ® technology, enabling remote operation via smartphone or voice commands through Amazon Alexa and Google Assistant. It features three cooling and fan speeds, a 24-hour on/off timer for customized cooling schedules, and a 4-way air deflection system for even air distribution. The LW1217ERSM1 operates quietly, with sound levels as low as 53 dB in low mode. User-friendly features include an LED display, a simple selection control panel, and a full-featured remote control. An auto-restart function ensures the unit resumes previous settings after a power outage. The washable filter with a Clean Filter Alert helps maintain optimal performance and indoor air quality.



Figure 1: Front view of the LG LW1217ERSM1 Window Air Conditioner with remote control.

2. SAFETY INFORMATION

- **Heavy Unit:** The air conditioner is heavy. Always use an assistant to help lift and set the unit in place. Attempting to lift or maneuver the unit by yourself could result in injury.
- **Secure Installation:** Ensure the unit is firmly in place until the window frame is lowered to meet the top surface of the unit directly behind the upper guide. If the unit falls from the window, it could cause personal injury or property damage.
- **Electrical Requirements:** This unit requires a standard 120V, 3-wire grounding receptacle rated 15A / 120 VAC / 60 Hz. Use a 15A time delay fuse or 15A circuit breaker. Do not use extension cords.
- **Flammable Refrigerant:** This appliance uses a flammable refrigerant. If the refrigerant is leaked and exposed to an external ignition source, there is a risk of fire. Refer to the operation manual for detailed safety instructions.

3. PRODUCT FEATURES

- **Maximum Cooling:** 12,000 BTU capacity, ideal for cooling rooms up to 550 sq. ft.
- **LG ThinQ App Control:** Control the air conditioner remotely from your mobile device.
- **Voice Command Compatibility:** Works with Amazon Alexa and Google Assistant.
- **Quiet Operation:** Operates with sound levels as low as 53 dB in low mode.
- **Easy Installation:** Includes an EZ Mount installation kit for double-hung windows (W 27"-39" x H 16").
- **Washable Filter:** Features an easy-to-clean washable dust filter with a Clean Filter Alert.
- **4-Way Air Deflection:** Allows for customized airflow direction.
- **Auto-Restart:** Resumes previous settings after a power outage.
- **Eco-friendly Refrigerant:** Uses R32 refrigerant.

4. SETUP AND INSTALLATION

The LG LW1217ERSM1 is designed for quick and easy installation in double-hung windows. The unit comes with an EZ Mount installation kit, including foam-PE, foam strip, curtain panels, heatproof foam, frame guides, a window locking bracket, sill supports, screws, bolts, and lock nuts.

- **Window Requirements:** Suitable for windows with a width between 27 and 39 inches and a height of 16 inches.
- **Assisted Installation:** Due to the unit's weight (81.6 pounds), it is recommended to have at least two people for safe lifting and installation.
- **Power Connection:** Ensure a standard 115 Volts, 15 Amps, 3-prong grounded outlet is available.

1 Washable Filter



2 Installation Kit : Curtain Panel
(Left, Right)



3 Power Cord
(Cord length : 72")

4 Remote Controller



5 Foam-PE, Foam strip, L bracket, Support bracket



What's in the box

Figure 2: Contents of the LG LW1217ERSM1 installation kit.



Figure 3: Dimensions for quick and easy installation of the LG LW1217ERSM1.

5. OPERATING INSTRUCTIONS

The LG LW1217ERSM1 features an intuitive control panel and a full-featured remote control for convenient operation.

Control Panel Functions:

- **Power Button:** Turns the unit on or off.
- **Mode Button:** Cycles through Cool, Energy Saver, Fan, and Dry modes.
- **Fan Speed:** Adjusts fan speed (Low, Medium, High).
- **Temperature Controls (Up/Down Arrows):** Adjusts the desired temperature setting.
- **Timer:** Sets a 24-hour on/off timer.
- **Sleep Mode:** Optimizes cooling for sleep.
- **Wi-Fi:** Indicates Wi-Fi connectivity status.
- **Clean Filter Alert:** Illuminates when the filter needs cleaning.

Remote Control:

The included remote control allows you to adjust all settings from anywhere in the room. It features buttons for Power, Mode, Fan Speed, Temperature adjustment, Timer, Sleep, and Energy Saver.



Figure 4: Close-up of the LG LW1217ERSM1 control panel.

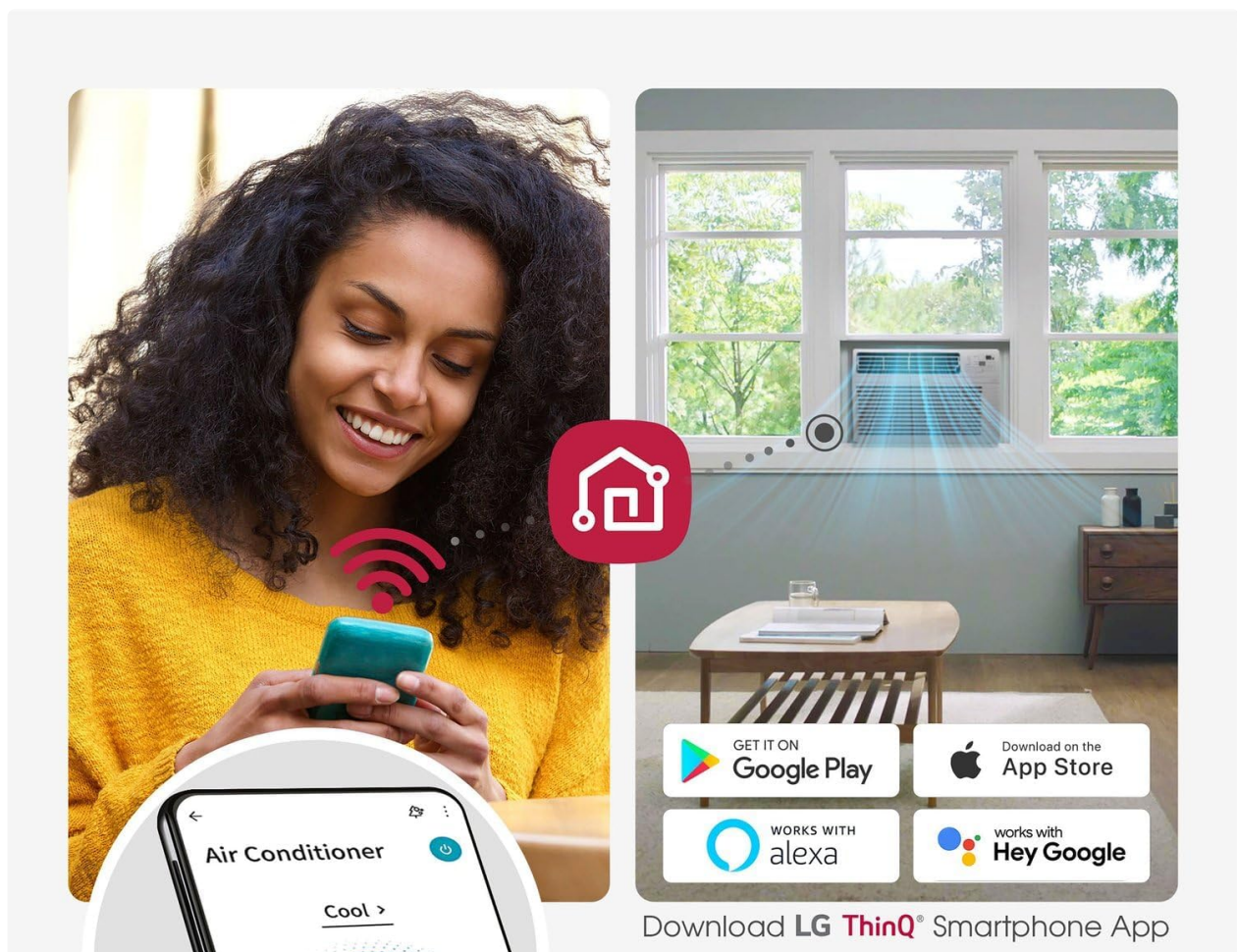
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Video 1: Official LG video demonstrating the features and quiet operation of LG Window Air Conditioners.

6. SMART FEATURES (LG THINQ & VOICE CONTROL)

The LG LW1217ERSM1 is equipped with LG ThinQ technology, allowing for advanced control and convenience.

- **LG ThinQ App:** Download the LG ThinQ app to your smartphone to control your air conditioner from anywhere. You can adjust settings, monitor status, and set schedules.
- **Voice Control:** The unit is compatible with Amazon Alexa and Google Assistant, enabling hands-free operation using voice commands.



Control Your Cool From Anywhere

Figure 5: Control your LG air conditioner from anywhere using the LG ThinQ smartphone app.

7. MAINTENANCE AND CLEANING

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

- **Washable Filter:** The unit features a slide-out washable dust filter. When the Clean Filter Alert illuminates, remove the filter, wash it with mild soap and water, rinse thoroughly, and allow it to dry completely before reinserting. It is recommended to clean the filter every 30 days.
- **Exterior Cleaning:** Wipe the exterior of the unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.



Figure 6: User removing the washable filter from the LG LW1217ERSM1 for cleaning.



Slide-out Washable Filter

Figure 7: Close-up of the slide-out washable filter feature.

8. TROUBLESHOOTING

If you encounter issues with your LG LW1217ERSM1, consider the following common troubleshooting steps:

- **Unit Not Turning On:** Check if the power cord is securely plugged into a functional outlet. Verify that the circuit breaker has not tripped.
- **Insufficient Cooling:** Ensure the filter is clean. Check that windows and doors are closed to prevent cool air from escaping. Verify the temperature setting is appropriate for the room size.
- **Unusual Noise:** Some operational noise is normal. If the noise is excessive or unusual, ensure the unit is installed securely and not vibrating against the window frame.
- **Clean Filter Alert:** If the light is on, clean the washable filter as described in the Maintenance section.
- **Smart Diagnosis:** The unit may feature a Smart Diagnosis function (refer to the control panel). Use the LG ThinQ app for detailed diagnostics if available.

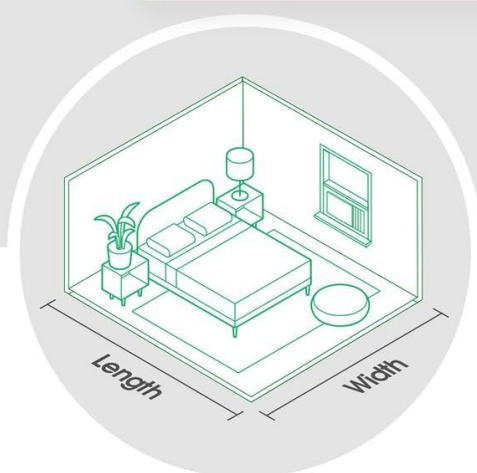
9. SPECIFICATIONS

Specification	Value
Model Number	LW1217ERSM1
Cooling Capacity	12000 BTU
Cooling Coverage	Up to 550 Square Feet
Product Dimensions	22.2"D x 23.62"W x 15"H
Item Weight	81.6 pounds
Voltage	115 Volts
Amperage	15 Amps
Noise Level	53 Decibels (Low Mode)
Refrigerant	R32
Special Features	Dehumidifier, Dust Filter, Filter Light Reminder, Remote Controlled, WiFi Enabled



Figure 8: The LG LW1217ERSM1 operates quietly, comparable to a library setting.

	Room Size (Sq. Ft.)	BTU
Small Room	150 (10'x15')	5,000
	260 (13'x20')	6,000
	280 (14'x20')	7,000
Medium Room	340 (17'x20')	8,000
	450 (18'x25')	10,000
	550 (22'x25')	12,000
	800 (25'x32')	15,000
Large Room	1,000 (25'x40')	18,000
	1,300 (33'x40')	22,000
	1,560 (39'x40')	24,000



How to measure a room?
Length(in feet) x Width(in feet)
= Area in sq. ft

Choose the Right AC Size
Fit Your Room

Figure 9: Guide to choosing the right BTU for your room size.

10. WARRANTY AND SUPPORT

The LG LW1217ERSM1 comes with a **1-year warranty covering parts and labor**. For technical support, troubleshooting assistance, or warranty claims, please contact LG Customer Service. Refer to the product packaging or the official LG website for the most current contact information.