

## LG LW2516ER

# LG LW2516ER 24,500 BTU Window Air Conditioner User Manual

Model: LW2516ER

## 1. PRODUCT OVERVIEW

The LG LW2516ER is a 24,500 BTU window air conditioner designed for cooling medium to large rooms up to 1,560 square feet. This unit operates on 230/208V and features electronic controls, a remote, and multiple cooling and fan speeds for customized comfort. It includes an auto restart function, a 24-hour on/off timer, and a removable, washable filter with a check filter alert.



Image 1.1: Front view of the LG LW2516ER window air conditioner.

### Key Features:

- **Cooling Capacity:** 24,500 BTU, suitable for rooms up to 1,560 sq. ft.
- **Multiple Fan Speeds:** 3 cooling and fan speeds with Auto Cool for customizable airflow.
- **Digital Controls & Remote:** Easy-to-use digital control panel and included remote control.
- **Air Deflection:** 4-way air deflection for directing airflow.
- **Auto Restart:** Automatically resumes operation after a power failure.
- **24-Hour Timer:** Programmable on/off timer for energy savings.
- **Washable Filter:** Removable and washable filter with a check filter alert for easy maintenance.

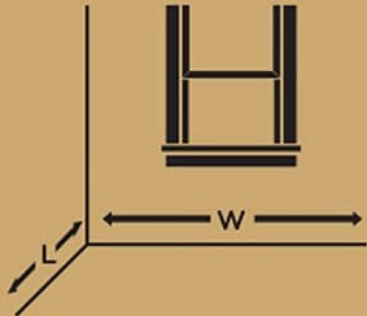
## 2. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. This unit is designed for window installation and comes with a kit to simplify the process. Ensure your window meets the required dimensions and your electrical system can support the unit's power requirements.

## 2.1 Room Sizing and Unit Dimensions

Before installation, verify that the unit's cooling capacity is appropriate for your room size and that the unit dimensions fit your window opening.

HOW TO CHOOSE THE RIGHT AIR CONDITIONER FOR YOUR ROOM

1. Measure Your Room	2. Match Room Size to BTUs																						
<p>Calculate Room Size : Room Length x Room Width = Square Feet</p> 	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr style="border-bottom: 1px solid black;"> <th style="padding: 5px;">Room Size</th> <th style="padding: 5px;">BTUs</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">150 sq.ft. 10' x 15'</td> <td style="padding: 5px;">up to 5,000</td> </tr> <tr> <td style="padding: 5px;">260 13' x 20'</td> <td style="padding: 5px;">6,000</td> </tr> <tr> <td style="padding: 5px;">280 14' x 20'</td> <td style="padding: 5px;">7,000</td> </tr> <tr> <td style="padding: 5px;">340 17' x 20'</td> <td style="padding: 5px;">8,000</td> </tr> <tr> <td style="padding: 5px;">450 18' x 25'</td> <td style="padding: 5px;">10,000</td> </tr> <tr> <td style="padding: 5px;">550 22' x 25'</td> <td style="padding: 5px;">12,000</td> </tr> <tr> <td style="padding: 5px;">800 25' x 32'</td> <td style="padding: 5px;">15,000</td> </tr> <tr> <td style="padding: 5px;">1,000 25' x 40'</td> <td style="padding: 5px;">18,000</td> </tr> <tr> <td style="padding: 5px;">1,440 36' x 40'</td> <td style="padding: 5px;">23,500</td> </tr> <tr style="background-color: #333; color: white;"> <td style="padding: 5px;">1,560 39' x 40'</td> <td style="padding: 5px;">24,500</td> </tr> </tbody> </table>	Room Size	BTUs	150 sq.ft. 10' x 15'	up to 5,000	260 13' x 20'	6,000	280 14' x 20'	7,000	340 17' x 20'	8,000	450 18' x 25'	10,000	550 22' x 25'	12,000	800 25' x 32'	15,000	1,000 25' x 40'	18,000	1,440 36' x 40'	23,500	1,560 39' x 40'	24,500
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FOR THE PERFECT FIT, BE SURE TO CHECK THESE REQUIREMENTS



3. Verify Size of Window Opening	4. Check Electrical Requirements
<p>Measure in inches, match size to range indicated below. Air Conditioner Cabinet Dimensions : 26" x 17 11/16" x 28 1/8" (W x H x D) Weight: 151 lbs.</p> 	<p>Determine if your circuit is adequate. Check against amperage rating of unit.</p> <div style="display: flex; align-items: center; margin-top: 10px;">  <p>230/208 Volts AC 20 Amps Draws 10.9/11.8 Amps Includes 52" grounded cord</p> </div>

Image 2.1: Guide for matching room size to BTU, and checking window and electrical requirements.

- **Recommended Room Size:** Up to 1,560 sq. ft. (e.g., 39' x 40' room).
- **Unit Dimensions (D x W x H):** 26"D x 28.13"W x 17.7"H.
- **Window Opening Minimum Width:** 26 Inches.
- **Window Opening Maximum Width:** 28 Inches.

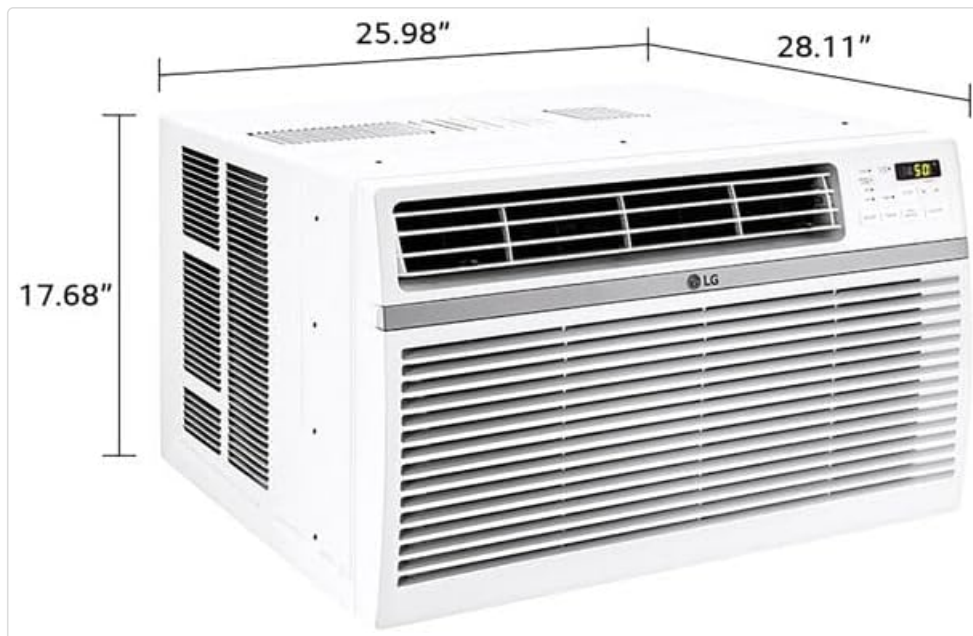


Image 2.2: Detailed dimensions of the air conditioner unit.

## 2.2 Electrical Requirements

This unit requires a 230/208V electrical supply. Consult a qualified electrician if you are unsure about your home's electrical capacity.

- **Voltage:** 230/208 Volts AC.
- **Amperage:** Draws 10.9/11.8 Amps.
- **Cord:** Includes a 52" grounded cord.



Image 2.3: Example of the air conditioner installed in a window.

### 3. OPERATING INSTRUCTIONS

The LG LW2516ER features a user-friendly digital control panel and a remote control for convenient operation.

#### 3.1 Control Panel and Remote

Familiarize yourself with the buttons and display on the unit and the remote control.

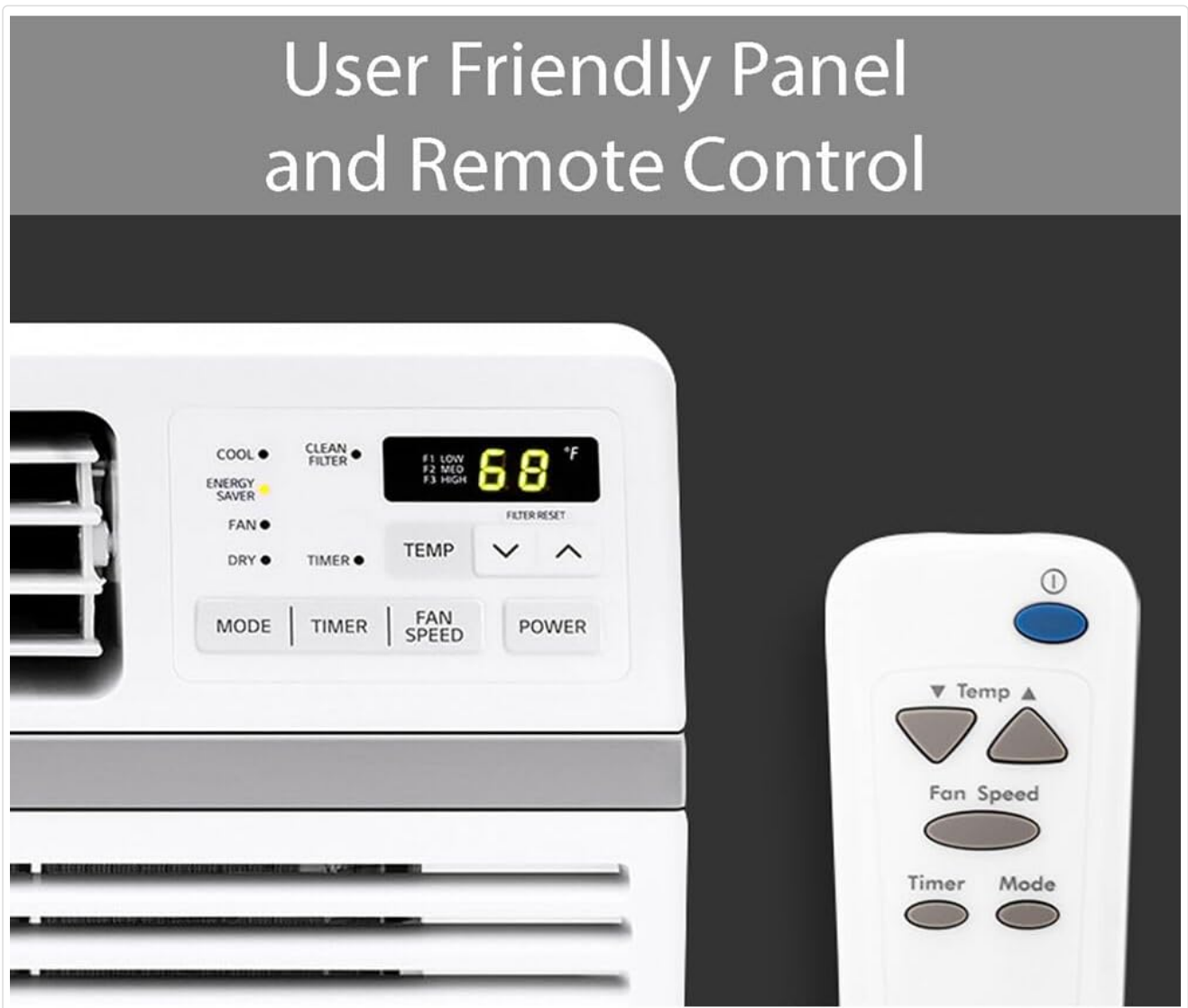


Image 3.1: Digital control panel and remote control for the unit.

#### 3.2 Operating Modes

The unit offers three primary operating modes: Cool, Fan, and Dry (Dehumidify).

# 3 in 1 Operation



Image 3.2: Visual representation of the three operating modes: Cool, Fan, and Dry.

- **Cool Mode:** Provides cooling and dehumidification. Adjust temperature and fan speed as desired.
- **Fan Mode:** Circulates air without cooling. Use for air circulation when cooling is not needed.
- **Dry Mode (Dehumidifier):** Reduces humidity in the room. The fan speed is automatically controlled in this mode.

### 3.3 Fan Speeds and Air Deflection

- **Fan Speeds:** Select from 3 fan speeds (Low, Medium, High) to control airflow intensity. Auto Cool mode automatically adjusts fan speed based on the set temperature.
- **4-Way Air Deflection:** Manually adjust the horizontal and vertical louvers to direct the airflow to your preferred area.

### 3.4 Timer Function

The 24-hour on/off timer allows you to program the unit to turn on or off automatically at a set time, helping to save energy.

1. Press the **Timer** button.
2. Use the **Temp Up/Down** arrows to set the desired on/off time.
3. Confirm the setting by pressing the **Timer** button again or wait a few seconds for it to set automatically.

### 3.5 Auto Restart

In the event of a power outage, the Auto Restart feature will automatically resume the unit's operation with the

previous settings once power is restored.

## 4. MAINTENANCE

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

### 4.1 Cleaning the Air Filter

The unit is equipped with a removable and washable air filter. A "Check Filter" alert will illuminate on the control panel when it's time to clean the filter.



Image 4.1: Removable and washable air filter with the "Check Filter Light" indicator.

1. Gently pull the front panel open to access the filter.
2. Slide the filter out from its housing.
3. Wash the filter with warm, soapy water. Rinse thoroughly.
4. Allow the filter to air dry completely before reinserting.
5. Once the filter is reinserted, press the "Filter Reset" button on the control panel to clear the alert.

*Note: Do not operate the unit without the air filter installed.*

## 5. TROUBLESHOOTING

This section provides solutions to common issues you might encounter.

Problem	Possible Cause	Solution
Unit does not turn on.	No power, circuit breaker tripped, power cord not fully plugged in.	Check power connection, reset circuit breaker, ensure plug is secure.
"Check Filter" light is on.	Air filter is dirty.	Clean the air filter as described in Section 4.1 and press "Filter Reset".
Unit is not cooling effectively.	Dirty air filter, blocked air intake/exhaust, room too large, doors/windows open.	Clean filter, ensure clear airflow, close doors/windows, verify unit BTU matches room size.
Unusual noise or vibration.	Loose installation, foreign object in fan, unit not level.	Check installation for security, inspect for obstructions, ensure unit is level.

If problems persist after attempting these solutions, please contact LG customer support.

## 6. SPECIFICATIONS

Feature	Detail
Brand	LG
Model Name	LG 24,500 BTU Window Air Conditioner, Cools 1,560 Sq.Ft. (39' x 40' Room Size), Quiet Operation, Electronic Control with Remote
Model Number	LW2516ER
Cooling Power	24500 British Thermal Units (BTU)
Voltage	230 Volts
Wattage	2370 watts
Noise Level	61 Decibels
Product Dimensions (D x W x H)	26"D x 28.13"W x 17.7"H
Item Weight	136 Pounds
Window Opening Minimum Width	26 Inches
Window Opening Maximum Width	28 Inches
Floor Area Coverage	1560 Square Feet
Control Method	Remote, Touch

Feature	Detail
Filter Type	Washable
Special Features	Dehumidifier, Filter Light Reminder, Remote Controlled
Seasonal Energy Efficiency Ratio (SEER)	10.3
Annual Energy Consumption	2370 Watts
Refrigerant	R-32
Installation Type	Window
Included Components	Air conditioner, remote control, mesh filter, installation kit, manual/installation instructions, warranty

## 7. WARRANTY AND SUPPORT

### 7.1 Warranty Information

This LG air conditioner comes with a **1-year parts and labor warranty**. Please retain your proof of purchase for warranty claims.

### 7.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty service, please contact LG customer support. Refer to the official LG website or the documentation included with your product for contact details.