Scan to see the online manual.

OWNER'S MANUAL

AIR CONDITIONER

In order to use the product safely and conveniently, please read the owner's manual before using the product.

TYPE : THROUGH THE WALL

EN ENGLISH

LT1033HNR
LT1233HNR

MFL05817318
Rev.00_082525

www.lg.com

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READ ALL INSTRUCTIONS BEFORE USE

The following safety guidelines are intended to prevent unforeseen risks or damage from unsafe or incorrect operation of the appliance.

The guidelines are separated into 'WARNING' and 'CAUTION' as described below.

Safety Messages

Your safety and the safety of others are very important.

We have provided many important safety messages in this manual and on your appliance. Always read and follow all safety messages.

⚠ This is the safety alert symbol.

This symbol alerts you to potential hazards that can kill or injure you and others.

All safety messages will follow the safety alert symbol and either the word WARNING or CAUTION.

These words mean:

⚠ WARNING

You may be killed or seriously injured if you do not follow instructions.

⚠ CAUTION

You may be injured or cause damage to the product if you do not follow instructions.

All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what may happen if the instructions are not followed.

Notes for Flammable Refrigerant

The following symbols are displayed on unit.





This symbol indicates that this appliance uses a flammable refrigerant. If the refrigerant is leaked and exposure to an external ignition source, there is a risk of fire.



This symbol indicates that the Operation Manual should be read carefully.



This symbol indicates that a service personnel should be handling this equipment with reference to the Installation Manual.



This symbol indicates that information is available such as the Operating Manual or Installation Manual.

WARNING INSTRUCTIONS

⚠ WARNING

To reduce the risk of explosion, fire, death, electric shock, scalding or injury to persons when using this product, follow basic precautions, including the following:

Technical Safety

- 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 the use of the appliance by a person responsible for their safety.
- Young children should be supervised to ensure that they do not play with the air conditioner.
- When the power cord is to be replaced, replacement work shall be performed by authorized personnel only using only genuine replacement parts.

Installation

- Before use, the appliance must be properly installed as described in this manual.
- Contact the authorized service technician for repair or maintenance of this unit.
- Contact the installer for installation of this unit.
- When the power cord is to be replaced, replacement work shall be performed by authorized personnel only using only genuine replacement parts.
- Installation work must be performed in accordance with the National Electric Code by qualified and authorized personnel only.
- Connect to a properly rated, protected, and sized power circuit to avoid electrical overload.
- Always plug into a grounded outlet.
- Do not under any circumstances, cut or remove the third (ground) prong from the power cord.
- When installing or moving the appliance, be careful not to pinch, crush, or damage the power cord.
- Plug in the power plug properly.
- Do not modify or extend the power cord.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Use a dedicated circuit.
- Do not disassemble or modify the product.
- Adhere to all industry recommended safety procedures including the use of long-sleeved gloves and safety glasses.
- Disconnect the power cord or circuit breaker before installing or servicing the appliance.
- Keep packaging materials out of the reach of children. These materials can pose a suffocation risk to children.
- Store and install the product where it will not be exposed to temperatures below freezing or exposed to outdoor weather conditions.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Do not install the unit in potentially explosive atmospheres.
- Pipe-work including piping material, pipe routing, and installation shall include protection from physical damage in operation and service, and be in compliance with national and local codes and standards, such as ASHRAE 15, ASHRAE 15.2, IAPMO Uniform Mechanical Code, ICC International Mechanical Code, or CSA B52. All field joints shall be accessible for inspection prior to being covered or enclosed.

- In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.

Operation

- Do not start/stop operation by plugging/unplugging the power cord.
- Use this appliance only for its intended purpose.
- Repair or immediately replace all power cords that have become frayed or otherwise damaged. Do not use a cord that shows cracks or abrasion damage along its length or at either end.
- Never attempt to operate this appliance if it is damaged, malfunctioning, partially disassembled, or has missing or broken parts, including a damaged cord or plug.
- Do not run cord under carpets or mats where it could be stepped on and damaged.
- Keep the cord out from under heavy objects like tables or chairs.
- Do not place the power cord near a heat source.
- Do not use an adaptor or plug the product into a shared outlet.
- Do not tamper with controls.
- If you detect a strange sound, a chemical or burning smell, or smoke coming from the appliance, unplug it immediately, and contact the LG Electronics Customer Information Center.
- Never unplug the appliance by pulling on the power cord. Always grip the plug firmly and pull straight out from the outlet.
- Do not grasp the power cord or touch the appliance controls with wet hands.
- If water enters the product, turn off the power at the main circuit, then unplug the product and call for service.
- If the product has been submerged, contact the LG Electronics Customer Information Center for instructions before resuming use.
- Unplug the product when unused for long periods.
- Unplug the product before cleaning.
- In the event of a gas leak (propane gas, etc.) do not operate this or any other appliance. Open a window or door to ventilate the area immediately.
- The interior of the product must only be cleaned by an authorized service center or a dealer.
- Do not use solvent-based detergent on the product. Doing so can cause corrosion or damage, product failure, electrical shock, or fire.
- Children should be supervised to ensure that they do not play with the air conditioner.

Grounding Instructions

- The power cord of this appliance is equipped with a three-prong (grounding) plug. Use this with a standard three-slot (grounding) wall power outlet to minimize the hazard of electric shock. The customer should have the wall receptacle and circuit checked by a qualified electrician to make sure the receptacle is properly grounded. ***DO NOT CUT OR REMOVE THE THIRD (GROUND) PRONG FROM THE POWER PLUG.***
  - Situations when the appliance will be disconnected occasionally; Because of potential safety hazards, we strongly discourage the use of an adapter plug. However, if you wish to use an adapter, a TEMPORARY CONNECTION may be made. Use UL-listed adapter, available from most local hardware stores. The large slot in the adapter must be aligned with the large slot in the receptacle to assure a proper polarity connection.
- Attaching the adapter ground terminal to the wall receptacle cover screw does not ground the appliance unless the cover screw is metal, and not insulated, and the wall receptacle is grounded through the house wiring. The customer should have the circuit checked by a qualified electrician to make sure the receptacle is properly grounded.
- Disconnect the power cord from the adapter, using one hand on each. Otherwise, the adapter ground terminal might break. Do not use the appliance with a broken adapter plug.
  - Situations when the appliance will be disconnected often; Do not use an adapter plug in these situations. Unplugging the power cord frequently can lead to an eventual breakage of the ground terminal. The wall power outlet should be replaced by a three-slot (grounding) outlet instead.

Refrigerant (For R32 Only)



- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- The appliance shall be stored in a room without continuously operating open flames (for example an operating gas appliance) and ignition sources (for example an operating electric heater).
- Do not pierce or burn.
- Be aware that flammable refrigerants may not contain an odour.
- The installation of pipe-work shall be kept to a minimum.
- National gas regulations shall be observed.
- Mechanical connections shall be accessible for maintenance purpose.
- The appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.
- Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from an industry-accredited assessment authority, which authorizes their competence to handle refrigerants safely in accordance with an industry recognized assessment specification.
- Do not use uncertified refrigerants.

CAUTION INSTRUCTIONS

⚠ CAUTION

To reduce the risk of minor or moderate injury to persons, malfunction, or damage to the product or property when using this product, follow basic precautions, including the following:

Installation

- Take care when installing the product that exhaust or condensation does not damage nearby property.
- Follow installation instructions exactly to avoid excessive vibration or water leakage.
- Wear gloves and use caution when unpacking and installing the appliance. Screws or sharp edges can cause injuries.
- When installing or moving the appliance, be careful not to pinch, crush, or damage the power cord.
- The supply and return air openings in the conditioned space may have the body of the appliance may be installed in open areas such as false ceilings not being used as return air plenums, as long as the conditioned air does not directly communicate with the air of the false ceiling.

Operation

- This appliance is not intended for use as a precision refrigeration system. Do not use it for special purposes such as maintaining pets, food, precision machinery, or art objects.
- Make sure the air inlet and outlet are free from obstructions.
- Do not step on or place heavy objects on top of the appliance.
- Do not operate the appliance without the filter securely installed.
- Do not drink water drained from the appliance.

- Be sure to ventilate sufficiently when the air conditioner and a heating appliance such as a heater are used simultaneously.
- Do not expose people, animals, or plants to the cold or hot wind from the air conditioner for extended periods of time.
- Remove the batteries if the remote control is not to be used for an extended period of time.
- Never mix different types of batteries, or old and new batteries for the remote control.
- Stop using the remote control if there is a fluid leak in the battery. If your clothes or skin are exposed to the leaking battery fluid, wash off with clean water.
- If the leaking battery fluid has been swallowed, rinse the inside of the mouth thoroughly and consult a doctor.
- Do not recharge or disassemble the batteries.

Maintenance

- Clean the filter every two weeks.
- Never touch the metal parts of the air conditioner when removing the air filter.
- Never use strong cleaning agents or solvents when cleaning the air conditioner or spray water. Use a smooth cloth.
- Use a soft cloth to clean the appliance. Do not use waxes, thinners, or harsh detergents.

Refrigerant (For R32 Only)

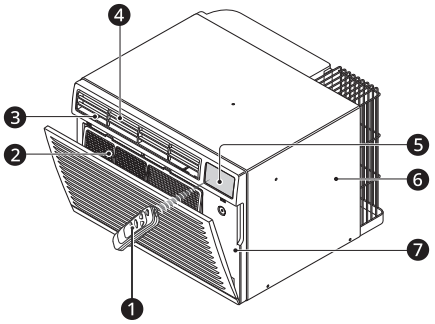
- This unit contains flammable refrigerant and has special safety precautions not normally associated with older units. Please follow all precautions and advisories.
  - Use caution while handling and prevent damage to unit. Do not put any holes into product for any reason. This can cause damage to product and prevent unit from cooling.
  - Maintenance and cleaning of unit should be performed by trained personnel. Failure to properly clean unit can result in damage to the refrigeration system and or the electrical system.
  - Keep any required ventilation openings clear of obstruction.
  - Service should only be performed by technicians properly trained and certified in the use of flammable refrigerants. Any service performed by unauthorized servicers/individuals will void all warranties.
  - When storing the appliance, do not put in a room with any open flame appliance, such as gas water heaters or furnaces. Also keep away from electric heaters. Damaged units should be repaired before storage.
  - Servicing shall only be performed as recommended by the equipment manufacturer. Maintenance and repair requiring the assistance of other skilled personnel shall be carried out under the supervision of the person competent in the use of flammable refrigerants.
  - The appliance shall be stored so as to prevent mechanical damage from occurring.
  - The refrigerant and insulation blowing gas used in the appliance require special disposal procedures. Consult a service agent or a similarly qualified person before disposing of them.

SAVE THESE INSTRUCTIONS

Before Installation

Product Overviews

Exterior Parts



❶ Remote Control

❷ Horizontal Air Deflector (Vertical Louver)

❸ Vertical Air Deflector (Horizontal Louver)

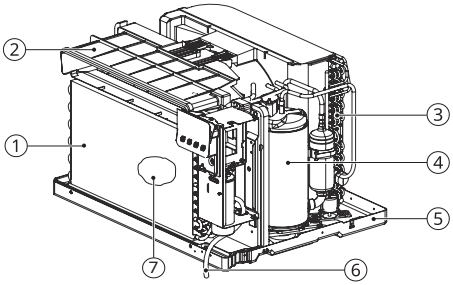
❹ Air Filter

❺ Control Panel

❻ Cabinet

❼ Front Grille

Interior Parts



① Evaporator

② Air Guide

③ Condenser

④ Compressor

⑤ Base Pan

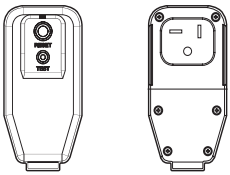
⑥ Power Cord

⑦ Electric Heater
Specification : 230V 3,500W

Electrical Data

The power cord may include a current interrupter device. **TEST** and **RESET** buttons are provided on the plug case. The device should be tested on a periodic basis by first pressing the **TEST** button and then the **RESET** button. If the **TEST** button does not trip or if the **RESET** button will not stay engaged, discontinue use of the air conditioner and contact a qualified service technician.

For 230 V



Use Wall Receptacle	Power Supply
 Standard 250 V, 3-wire grounding receptacle rated 20 A / 250 VAC / 60 Hz	Use 20 A, time delay fuse or 20 A, circuit breaker.

NOTE

- The feature may be changed according to the type of model.

⚠ WARNING

- This appliance should be installed in accordance with the National Electrical Code.
- Use of extension cords could cause serious injury or death.
  - Do not use an extension cord with this window air conditioner.
  - Do not use surge protectors or multi-outlet adapters with this window air conditioner.
- Never push the **TEST** button during operation. Doing so can damage the plug.
  - Do not remove, modify, or immerse this plug. If this device trips, the cause should be corrected before further use.

⚠ CAUTION

- The conductors inside this cord are surrounded by shields, which monitor leakage current. These shields are not grounded. Periodically examine the cord for any damage. Do not use this product in the event the shields become exposed. Avoid shock hazard. This unit cannot be user-serviced. Do not open the tamper-resistant sealed portion. All warranties and performance will be voided. This unit is not intended to be used as an ON/OFF switch.

Installation Requirements

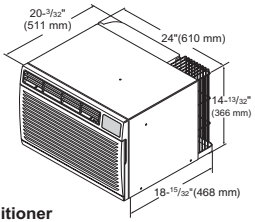
Remove packing materials from the wall sleeve and tape from the air conditioner.

- If you use an existing wall sleeve, you should measure its dimensions.

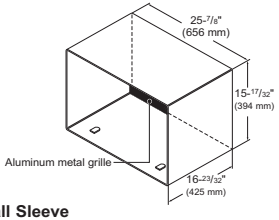
  Install the new air conditioner according to these installation instructions to achieve the best performance. All wall sleeves used to mount the new air conditioner must be in good structural condition and have a rear grille to securely attach the new air conditioner. (Figure 1)

  With the LGE sleeve(optionally supplied with your unit), you can maintain the best performance of the new air conditioner. (Figure 2)

  After assembly of sleeve and front grille, the gap should be over 20” from both sleeve and grille. (Figure 3)



Air Conditioner Figure 1



LGE Wall Sleeve Figure 2

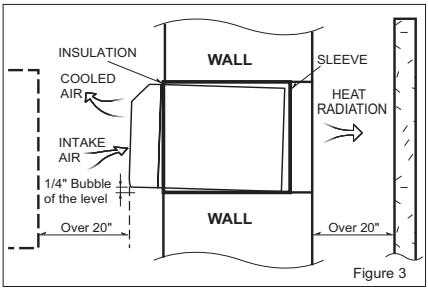
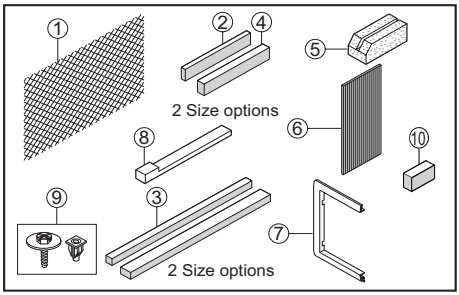


Figure 3

Electrical Service

- Check your available electrical service. The power supply available must be the same as that shown on the unit nameplate (found on left side of cabinet).
- All models are equipped with a 3-prong service plug to provide proper service and safe positive grounding. Do not change plug in any way. Do not use an adapter plug. If your present wall outlet does not match your plug, call a qualified electrician to make the necessary corrections. SAVE CARTON for storage and this OWNER’S MANUAL for future reference. The carton is the best way to store unit during winter or when not in use.

Installation Hardware



ITEM	NAME OF PARTS	Q'TY
①	PLASTIC GRILLE	1
②	VERTICAL INSULATION STRIP	1
③	AROUND INSULATION STRIPS	2
④	HORIZONTAL INSULATION STRIP	1
⑤	SUPPORT BLOCK	2
⑥	BAFFLE	1
⑦	TRIM FRAME	2
⑧	SHIM	2
⑨	PLASTIC NUTS AND WASHER SCREWS	4
⑩	INSULATION STRIP	1

⚠ CAUTION

To avoid risk of personal injury, property damage, or product damage due to the weight of this device and sharp edges that may be exposed:

- Air Conditioners covered in this manual pose an excessive weight hazard. Two or more people are needed to move and install the unit. To prevent injury or strain, use proper lifting and carrying techniques when moving unit.

- Carefully inspect location where air conditioner will be installed. Be sure it will support the weight of the unit over an extended period of time.
- Handle Air Conditioner with care.Wear protective gloves whenever lifting or carrying the unit. AVOID the sharp metal fins of front and rear coils.
- Make sure air conditioner does not fall during installation.

REQUIRED TOOLS:

- Tight Fitting gloves
- Standard screwdriver
- Phillips screwdriver
- Pliers
- Sharp knife
- 3/8-inch open end wrench or adjustable wrench
- 1/4-inch hex socket and ratchet
- Tape measure
- Electric drill
- 1/4-inch drill bit

⚠ CAUTION

- We strongly recommend the removal of the old wall sleeve and the installation of a new LGE Wall Sleeve. If you decide to keep the existing wall sleeve, you have to redirect the louvers at the back of the wall sleeve illustration. The use of pliers is recommended. If you DO NOT redirect, you run the risk of poor performance or product failure. This is not covered under the terms of the LGE warranty.
- Pick a location which will allow the conditioned air to blow into the area you want. Good installation with special attention to the proper position of the unit will lessen the chance that service will be needed.
- Do not install the unit within 40'' of any combustible surfaces.

Items in Installation Hardware

You may not need all parts in the kit. Discard unused parts.

ITEM (inches)		Qty.
Plastic grille	$26\frac{3}{4} \times 16\frac{1}{2}$	1
Vertical insulation strip	$15\frac{9}{16} \times 1\frac{3}{8} \times 1\frac{3}{8}$	1
Around Insulation Strips	$67\frac{1}{8} \times 1\frac{3}{8} \times \frac{25}{32}$	1
	$59\frac{27}{32} \times 1\frac{3}{8} \times 1\frac{3}{8}$	1
Horizontal Insulation Strip	$26\frac{3}{4} \times 1\frac{3}{8} \times 1\frac{3}{16}$	1
Support Block	$1\frac{3}{4} \times 1\frac{3}{8} \times 4\frac{5}{16}$	2
Baffle	$14 \times 4\frac{1}{2} \times \frac{1}{8}$	1
Shim	$11\frac{13}{16} \times 1 \times \frac{3}{4}$	2
Trim Frame		2
Washer Screw		4
Nuts (Plastic)		4
Grille Rear		1
Insulation strip	$5\frac{5}{16} \times 1\frac{3}{16} \times \frac{3}{4}$	1

Installing the Unit

How to Install the Unit

1 Identify the existing wall sleeve before installing the unit from the listed below.

Brand	Wall Sleeve Dimensions (inches)		
	Width	Height	Depth
White-Westinghouse Frigidaire Carrier (52F series)	25-1/2	15-1/4	16, 17-1/2 or 22
General Electric /Hotpoint	26	15-5/8	16-7/8
Whirlpool	25-7/8	16-1/2	17-1/8 or 23
Fedders/Emerson	27	16-3/4	16-3/4 or 19-3/4
LGE	25-7/8	15-17/32	16-23/32
Emerson/Fedders	26-3/4	15-3/4	15
Carrier (51S Series)	25-3/4	16-7/8	18-5/8
Friedrich	27	16-3/4	16-3/4

NOTE

- All wall sleeves used to mount the new Air Conditioner must be in sound structural condition and have a rear grille that securely attaches to sleeve, or rear flange that serves as a stop for the Air Conditioner.

2 Remove the old Air Conditioner from existing wall sleeve.

3 Clean the interior of the existing sleeve. (Do not disturb seals.)

4 Wall sleeve must be securely fastened in wall before installing the Air Conditioner. Use the nails or screws through sleeve into wall, if needed. Repaint sleeve if needed.

5 Prepare the wall sleeve for installation of the unit. If you plan to use your existing wall sleeve, and it is not LGE, use procedure B or C below.

Procedure	Brand	Depth(inches)
A	LGE	16-23/32
B	White-Westinghouse Frigidaire Carrier (52F series)	16, 17-1/2 or 22
	General Electric /Hotpoint	16-7/8
	Whirlpool	17-1/8 or 23
	Carrier (51S series)	18-5/8
C	Fedders/Emerson	16-3/4 or 19-3/4
	Emerson/Fedders	15
	Friedrich	16-3/4

6 Install new unit into wall sleeve.

⚠ CAUTION

- When installation is completed, the replacement unit MUST have a rearward slope as shown. To achieve 1/4" slope, remove the backing from the 11-13/16" shim strips and attach them as shown below in Figure 4. Place the higher portion of the shim to the front of the rib on the base of the wall sleeve.

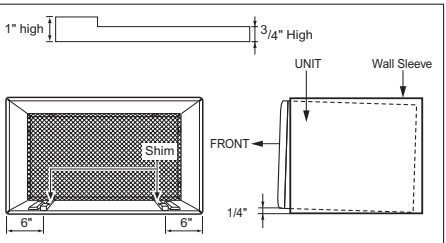
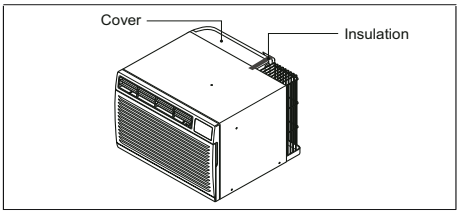


Figure 4

7 Remove the backing from the insulation strip 5-5/16" x 1-3/16" x 3/14" and attach that to the top of the cover as show below.



Procedure A

1 If you are using the new sleeve (optionally supplied with your unit), skip to step 3. Otherwise, install the plastic grille from the kit. Cut the plastic grille to 25-1/2" wide and 15-1/4" high. Place the plastic grille to the inside of the wall sleeve at the rear flange.

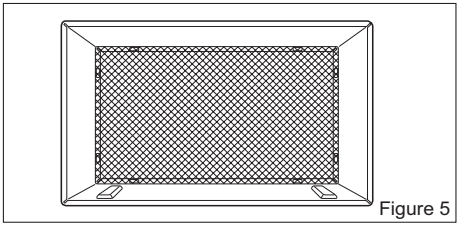


Figure 5

2 Fasten the 4 washer screws to secure the grille to the wall sleeve. If you need plastic nuts to mount plastic grille to the inside of the wall sleeve, there are plastic nuts in the installation kit. The nuts are installed from the inside of the sleeve and are pressed into the square holes of the rear flanges.

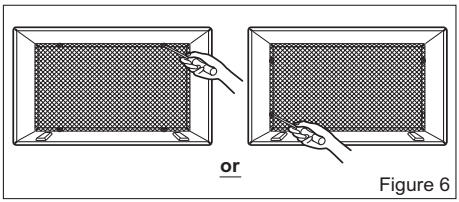


Figure 6

3 Remove the backing from the vertical insulation strip 15-9/16” x 1-3/8” x 1-3/8” and attach that to the inside right of the sleeve as shown below. Remove the backing from the around insulation strip 67-1/8” x 1-3/8” x 25/32” and attach that to the inside front of the sleeve as shown below.

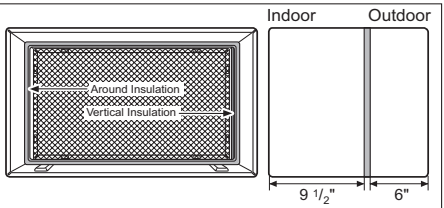


Figure 7

4 Install the new unit into the wall sleeve.

5 To assemble trim, snap the tab of each piece into the slot of the other piece as shown below. Slide trim over the front of the Air Conditioner until trim is flush with sleeve as shown below.

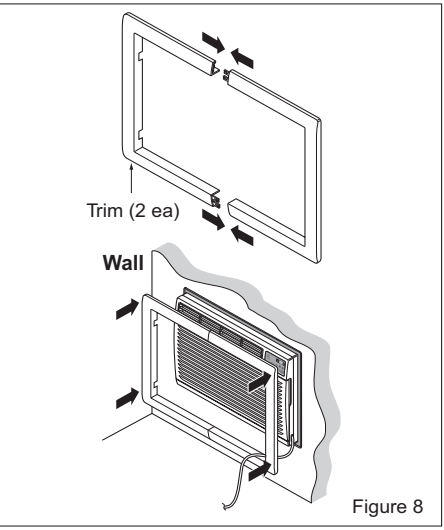


Figure 8

⚠ CAUTION

- Air Conditioners covered in this manual pose an excessive weight hazard. Two or more people are needed to move and install the unit. To prevent injury or strain, use proper lifting and carrying techniques when moving unit.
- When handling the Air Conditioner, be careful to avoid cuts from sharp metal fins on front and rear coils.
- Make sure Air Conditioner does not fall during removal.
- If unit does not operate after installation check, to be sure the circuit interrupter has not been tripped. Refer to the Troubleshooting guide for reset procedure.

Procedure B

1 Redirect the louvers at the back of the wall sleeve to 60° angle as shown in the Figure 9. The use of pliers is recommended.

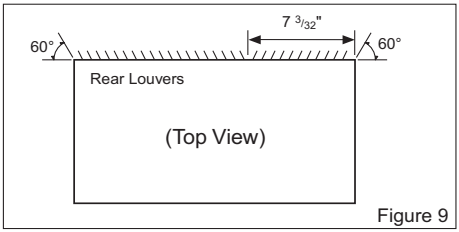
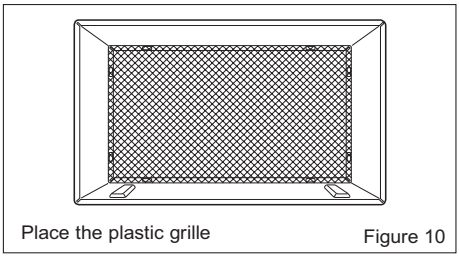


Figure 9

2 If the wall sleeve already has a rear grille, skip to step 4. If the wall sleeve does not have a rear grille or louvered panel, install the plastic grille from the kit. Cut the plastic grille to 25-1/2” wide and 15-1/4” high. Place the plastic grille to the inside of the wall sleeve at the rear flange.


Place the plastic grille
Figure 10

3 Fasten the 4 washer screws to secure the grille to the wall sleeve. If you need plastic nuts to mount plastic grille to the inside of the wall sleeve, there are plastic nuts in the installation kit. The nuts are installed from the inside of the sleeve and are pressed into the square holes of the rear flanges.

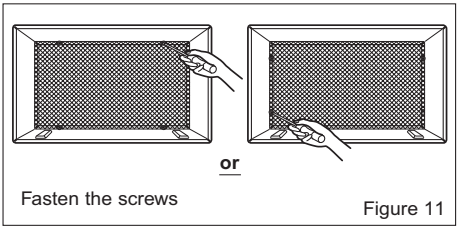


Figure 11

4 Remove the backing from the vertical insulation strip 15-9/16” x 1-3/8” x 1-3/8” and attach that to the inside right of the sleeve as shown below. Remove the backing from the around insulation strip 67-1/8” x 1-3/8” x 25/32” and attach that to the inside front of the sleeve as shown below.

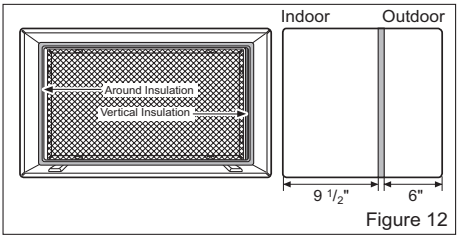


Figure 12

5 If the depth of your existing wall sleeve is less than or equal to 18”, skip to step 6. Otherwise, cut the baffles and the support blocks according to Length A in the table below.

Depth D of the existing wall sleeve (inches)	Length A (inches)
18 <D ≤18-5/8	3/4
18-5/8 <D ≤19-3/4	1-3/4
19-3/4 <D ≤ 22	4

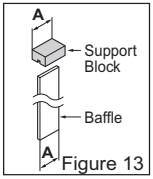


Figure 13

6 Remove the backing from the support blocks and attach them to the inside of the wall sleeve as shown in Figure 14. Slide the baffle in to slots of the support blocks.

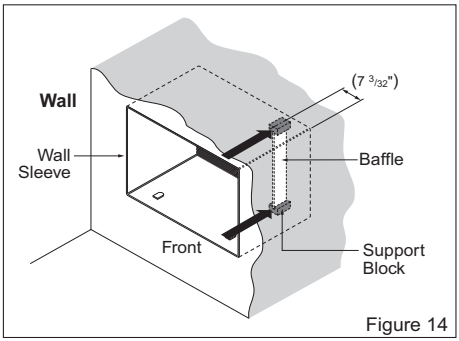


Figure 14

7 Install the new unit into the wall sleeve.

8 Assemble trim as described in Step 5, Procedure A.

⚠ CAUTION

- Air Conditioners covered in this manual pose an excessive weight hazard. Two or more people are needed to move and install the unit. To prevent injury or strain, use proper lifting and carrying techniques when moving unit.
- When handling the Air Conditioner, be careful to avoid cuts from sharp metal fins on front and rear coils.
- Make sure Air Conditioner does not fall during removal.
- If unit does not operate after installation check, to be sure the circuit interrupter has not been tripped. Refer to the Troubleshooting guide for reset procedure.

Procedure C

1 Redirect the louvers at the back of the wall sleeve to 60° angle as shown in the Figure 15. The use of pliers is recommended.

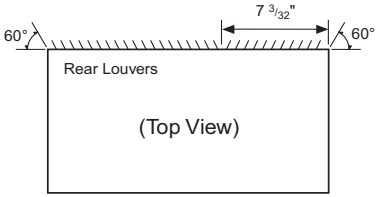
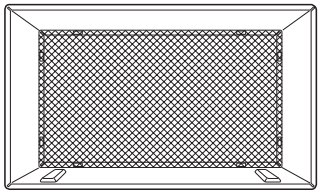
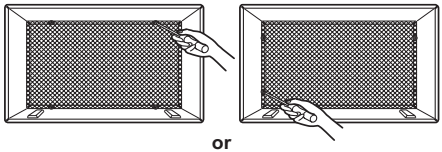


Figure 15

2 If the wall sleeve already has a rear grille, skip to step 4. If the wall sleeve does not have a rear grille or louvered panel, install the plastic grille from the kit. Cut the plastic grille to 26-1/2" wide and 15-1/2" high. Place the plastic grille to the inside of the wall sleeve at the rear flange.


Place the plastic grille
Figure 16

3 Fasten the 4 washer screws to secure the grille to the wall sleeve. If you need plastic nuts to mount plastic grille to the inside of the wall sleeve, there are plastic nuts in the installation kit. The nuts are installed from the inside of the sleeve and are pressed into the square holes of the rear flanges.



Fasten the screws
Figure 17

4 Remove the backing from the horizontal insulation strip 26-3/4" x 1-3/8" x 1-3/16" and attach that to the inside right of the sleeve as shown below. Remove the backing from the around insulation strip 59-27/32" x 1-3/8" x 1-3/8" and attach that to the inside front of the sleeve as shown below.

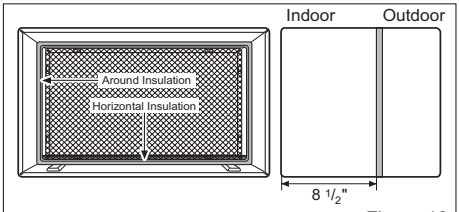


Figure 18

5 If the depth of your existing wall sleeve is less than or equal to 18", skip to step 7. Otherwise, cut the baffles and the support blocks according to Length A in the table below.

Depth D of the existing wall sleeve (inches)	Length A (inches)
18 <D ≤18-5/8	3/4
18-5/8 <D ≤19-3/4	1-3/4
19-3/4 <D ≤ 22	4

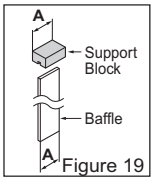


Figure 19

6 Remove the backing from the support blocks and attach them to the inside of the wall sleeve as shown in Figure 20. Slide the baffle in to slots of the support blocks.

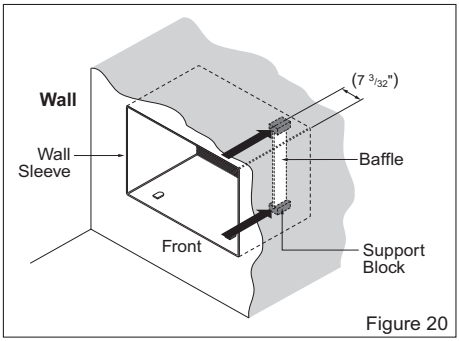


Figure 20

7 To achieve rearward slope for unit draining, remove the backing from the 11-13/16 " shim strips and attach them as shown below in Figure 22. The higher portion of shim is to be placed in front of the rib on the base of wall sleeve.

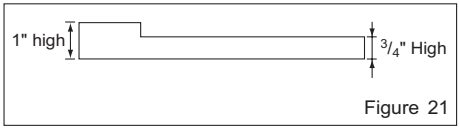


Figure 21

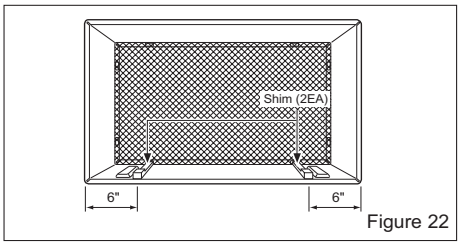


Figure 22

8 Install the new unit into the wall sleeve.

9 Assemble trim as described in Step 5, Procedure A.

⚠ CAUTION

- Air Conditioners covered in this manual pose an excessive weight hazard. Two or more people are needed to move and install the unit. To prevent injury or strain, use proper lifting and carrying techniques when moving unit.
- When handling the Air Conditioner, be careful to avoid cuts from sharp metal fins on front and rear coils.
- Make sure Air Conditioner does not fall during removal.
- If unit does not operate after installation check, to be sure the circuit interrupter has not been tripped. Refer to the Troubleshooting guide for reset procedure.

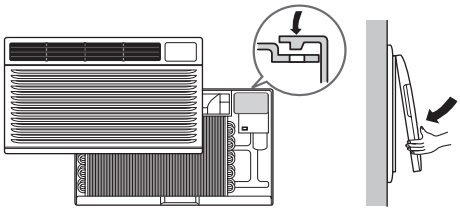
Attach Front Grille to Cabinet

The front grille can be removed for cleaning or to check the model and serial numbers.

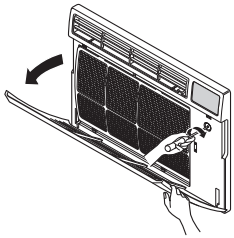
For your safety, you should attach the front grille as the following procedures.

1 Pull down front grille from the cabinet top.

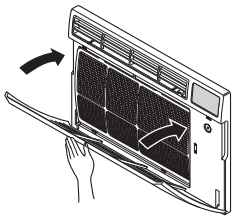
2 Push front grille's tips toward the cabinet in order to insert front grille's tabs into the cabinet.



3 Open the inlet grille. Tighten the screw through the front grille into the plate of control box.



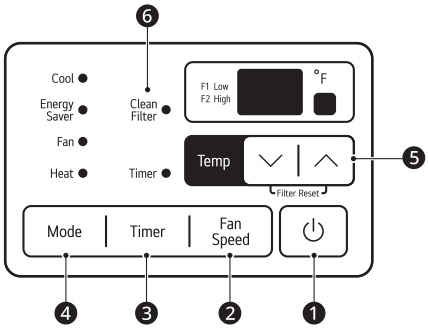
4 Close inlet grille.



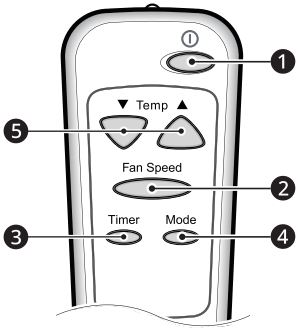
Control Panel and Remote Control

Overviews

Control Panel



Remote Control



NOTE

- The feature may be changed according to the type of model.
- On control panel surface have protection film, Please remove film before use.

1 Power

Press to turn the air conditioner ON or OFF.

2 Fan Speed

Press to set the Fan Speed to **Low** (**F1**), or **High** (**F2**).

3 Delay ON/OFF Timer

Delay ON - When the air conditioner is off, set it to automatically turn on from 1 to 24 hours later, at its previous mode and fan settings.

Delay OFF - When the air conditioner is on, set it to automatically turn off from 1 to 24 hours later.

NOTE

- Each press of the **Timer** button advances the timer by 1 hour. After the last press the display returns to the temperature setting.

4 Operation Mode

Press the Mode button to cycle between 4 types of air conditioner operation: Energy Saver / Cool / Fan / Heat.

Energy Saver - In this mode the compressor and fan turn off when the set temperature is achieved. Approximately every 3 minutes the fan turns on to allow the unit sensor to accurately determine if more cooling is needed.

Cool - This mode is ideal on hot days to cool and dehumidify the room quickly. Use the **Temp** ∨ | ∧ buttons to set the desired room temperature and use the **Fan Speed** button to set the desired fan circulation speed.

Fan - In this mode the fan circulates air but the compressor does not run. Use the **Fan Speed** button to set fan speed to High, Medium or Low. In this mode, you cannot adjust the set temperature.

Heat - This mode is ideal on cold days to heat the room quickly. Use the **Temp** ∨ | ∧ buttons to set desired room temperature and use the **Fan Speed** button to set the desired fan circulation speed.

❺ Temperature Control

The thermostat monitors room temperature to maintain the desired temperature. The thermostat can be set between 60 °F – 86 °F (16 °C – 30 °C). Press ∨ or ∧ arrows to increase or decrease temperature setting.

❻ Clean Filter

The Clean Filter LED lights up to notify you that the filter needs to be cleaned. After cleaning the filter, press **Temp** ∨ and ∧ together on the control panel to turn off the Clean Filter light.

NOTE

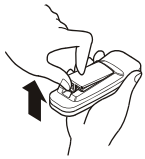
- The filter reset must be done using the control panel, not the remote control.
- This feature is a reminder to clean the air filter for more efficient operation. The LED light turns on after 250 hours of operation.

NOTE

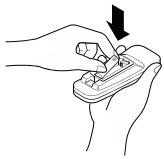
- A slight heat odor may come from the unit when first switching to HEAT after the cooling season is over. This odor, caused by fine dust particles on the heater, will dissipate quickly.
- **Auto Restart** : If the air conditioner turns off due to a power outage, it will restart automatically once the power is restored, with the same settings as were set before the unit turned off.
- **Energy Saver** : The unit defaults to the Energy Saver mode each time the unit is switched on except in Fan mode or when power is restored after an electrical power outage.
- The remote control will not function properly if the AC infrared sensor is exposed to direct light or if there are obstacles between the remote controller and the air conditioner.

Inserting Batteries in Remote

1 Push out the cover on the back of the remote control with your thumb.



2 With the plus and minus poles facing as marked, and insert two new AAA 1.5 V batteries.



3 Reattach the cover.

NOTE

- Two new batteries are supplied with the air conditioner for use in the remote control.
- Do not use a rechargeable battery. Make sure that the battery is new.
- Do not use batteries other than alkaline.
- In order to prevent discharge, remove the battery from the remote control if the air conditioner is not going to be used for an extended period of time.
- Keep the remote control away from extremely hot or humid places.
- To maintain optimal operation of the remote control, the remote sensor should not be exposed to direct sunlight.

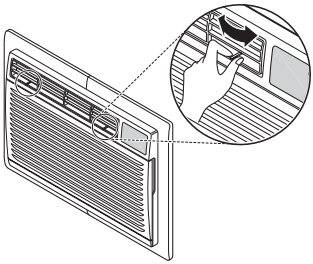
Additional Features

Air Direction

Airflow can be adjusted by changing the direction of the air conditioner's louvers.

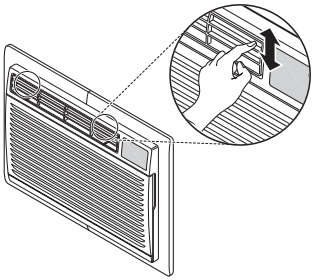
Adjusting Horizontal Airflow Direction

The horizontal airflow is adjusted by moving the levers of the vertical louvers to the left or right.



Adjusting Vertical Airflow Direction

Touch the horizontal louvers to adjust the airflow up or down.



NOTE

- When the weather is extremely hot, the unit may turn off automatically to protect the compressor.

Slinger Fan

This air conditioner is equipped with a slinger fan. (See drawing.)

The fan's outer ring picks up the condensed water from the base pan if the water level gets high enough. The water is then picked up by the fan and expelled through the condenser, making the air conditioner more efficient.



Cleaning

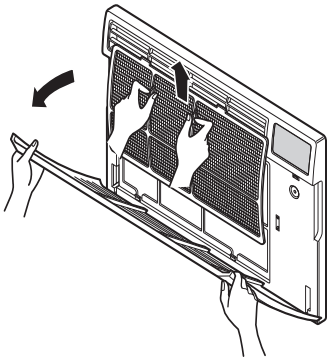
⚠ WARNING

- Before cleaning or performing maintenance, disconnect the power supply and wait until the fan stops.

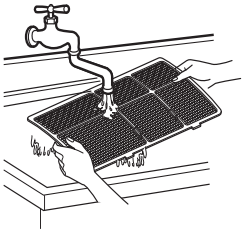
Check the air filter at least twice a month to see if cleaning is necessary. Trapped particles in the filter can build up and block the airflow, reducing cooling capacity and causing an accumulation of frost on the evaporator.

Cleaning the Air Filter

1 Remove the air filter from the front grille by pulling the filter forward and then up slightly.



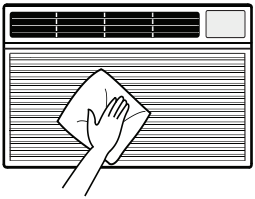
2 Wash the filter using lukewarm water below 104 °F (40 °C).



3 Gently shake the excess water from the filter and replace.

Cleaning the Air Conditioner

- Wipe the front grille and inlet grille with a cloth dampened in a mild detergent solution.
- Wash the cabinet with mild soap or detergent and lukewarm water, then polish using liquid appliance wax.



NOTE

- To ensure continued peak efficiency, the condenser coils (outside of unit) should be checked periodically and cleaned if clogged with soot or dirt from outside air.
- For repair and maintenance, contact an Authorized Service Center. See the warranty page for details or call 1-800-243-0000. Have your model number and serial number available. They can be found on the side of the cabinet. Record them for future reference.

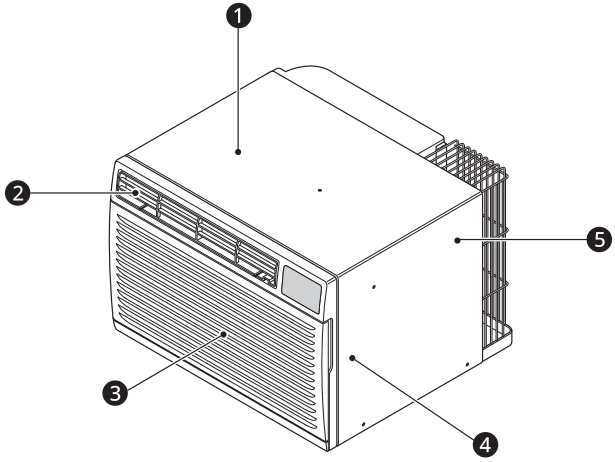
Before Calling for Service

The appliance is equipped with an automatic error-monitoring system to detect and diagnose problems at an early stage. If the appliance does not function properly or does not function at all, check the following before you call for service.

NOTE

- If you see “CH” in the display, please call 1-800-243-0000.

Normal Sounds You May Hear



1 High-Pitched Chatter
Today’s high efficiency compressors may have a high pitched chatter during the cooling cycle.

2 Sound of Rushing Air
At the front of the unit, you may hear the sound of rushing air being moved by the fan.

3 Gurgle/Hiss
Gurgling or hissing noise may be heard due to refrigerant passing through the evaporator during normal operation.

4 Vibration
Unit may vibrate and make noise because of poor wall or window construction or incorrect installation.

5 Pinging or Swishing
Droplets of water hitting the condenser during normal operation may cause pinging or swishing sounds.

Operation

Problem	Possible Cause & Solution
Air conditioner does not start.	**The air conditioner is unplugged.** • Make sure the air conditioner plug is pushed completely into the outlet.
	The fuse is blown/circuit breaker is tripped. • Check the house fuse/circuit breaker box and replace the fuse or reset the breaker.
	Power failure. • If power failure occurs, turn the mode control to off. When power is restored, wait 3 minutes to restart the air conditioner to prevent tripping of the compressor overload.
	The current interrupter device is tripped. • Press the **RESET** button located on the power cord plug. If the **RESET** button will not stay engaged, discontinue use of the air conditioner and contact a qualified service technician.
Air conditioner does not cool as it should.	**Airflow is restricted.** • Make sure there are no curtains, blinds, or furniture blocking the front of the air conditioner.
	The temp control may not be set correctly. • Set the target temperature to a level lower than the current temperature.
	The air filter is dirty. • Clean the filter at least every 2 weeks. See the 'MAINTENANCE' section.
	The room may have been hot. • When the air conditioner is first turned on, you need to allow time for the room to cool down.
	Cold air is escaping. • Check for open fumace floor registers and cold air returns.
	Cooling coils have iced up. • See 'Air conditioner freezing up' below.
Air conditioner freezing up.	**The cooling coils are iced over.** • Ice may block the airflow and obstruct the air conditioner from properly cooling the room. Set the mode control at **High Fan** or **High Cool**.
Water drips outside.	**Hot, humid weather.** • This is normal.

Problem	Possible Cause & Solution
Water drips Indoors.	**The air conditioner is not tilted to the outside.** • For proper water disposal, make sure the air conditioner slants slightly from the cabinet front to the rear.
Water collects in base pan.	**Moisture removed from air and drains into base pan.** • This is normal for a short period in areas with little humidity; normal for a longer period in very humid areas.
Air conditioner turns on and off rapidly.	**Dirty air filter - air restricted.** • Clean air filter.
	Outside temperature extremely hot. • Refer to installation instructions or check with installer.
Noise when unit is cooling.	**Air movement sound.** • This is normal. If too loud, set to lower FAN Setting.
	Window vibration - poor installation. • Refer to installation instructions or check with installer.
Room too cold.	**Set temperature too low.** • Increase set temperature.
Remote sensing deactivating prematurely.	**Remote control not located within range.** • Place remote control within 20 feet & 120° radius of the front of the unit.
	Remote control signal obstructed. • Remove obstruction.

LIMITED WARRANTY

USA

ARBITRATION NOTICE:

THIS LIMITED WARRANTY CONTAINS AN ARBITRATION PROVISION THAT REQUIRES YOU AND LG ELECTRONICS ("LG") TO RESOLVE DISPUTES BY BINDING ARBITRATION INSTEAD OF IN COURT, UNLESS YOU CHOOSE TO OPT OUT. IN ARBITRATION, CLASS ACTIONS AND JURY TRIALS ARE NOT PERMITTED. PLEASE SEE THE SECTION TITLED "PROCEDURE FOR RESOLVING DISPUTES" BELOW.

WHAT THIS WARRANTY COVERS:

Should your LG Air Conditioner ("Product") fail due to a defect in materials or workmanship under normal and proper use, during the warranty period set forth below, LG will, at its option, repair or replace the Product. This limited warranty is valid only to the original retail purchaser of the Product ("You") and applies only when purchased lawfully and used within the United States including U.S. Territories.

NOTE

- Replacement Products and parts are warranted for the remaining portion of the original warranty period or ninety (90) days, whichever is greater.
- Replacement Products and parts may be new, reconditioned, refurbished, or otherwise factory remanufactured.
- Replaced Product or part(s) will be the property of LG.
- Proof of original retail purchase specifying the Product model and date of purchase is required to obtain warranty service under this limited warranty.

INFORMATION

WARRANTY PERIOD:

1 year from the date of original retail purchase, or from the date of delivery as per applicable law: **Any internal/ functional Parts and Labor**

HOW SERVICE IS HANDLED: In-Home Service

In-home service will be provided during the warranty period subject to availability within the United States. In-home service may not be available in all areas. To receive in-home service, the product must be unobstructed and accessible to service personnel. If during in-home service repair cannot be completed, it may be necessary to remove, repair and return the product. If in-home service is unavailable, LG may elect, at our option, to provide for transportation of our choice to and from an LG authorized service center.

EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THE PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THE ABOVE LIMITED WARRANTY. UNDER NO CIRCUMSTANCES SHALL LG OR ITS U.S. DISTRIBUTORS/DEALERS BE LIABLE FOR ANY INDIRECT, INCIDENTAL, CONSEQUENTIAL, SPECIAL, OR PUNITIVE DAMAGES, INCLUDING, WITHOUT LIMITATION, LOST GOODWILL,LOST REVENUES OR PROFITS, WORK STOPPAGE, IMPAIRMENT OF OTHER GOODS, COST OF REMOVAL AND REINSTALLATION OF THE PRODUCT, LOSS OF USE, OR ANY OTHER DAMAGES WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE. LG'S TOTAL LIABILITY, IF ANY, SHALL NOT EXCEED THE PURCHASE PRICE PAID BY YOU FOR THE PRODUCT.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE EXCLUSIONS OR LIMITATIONS MAY NOT APPLY TO YOU. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.

THIS LIMITED WARRANTY DOES NOT COVER:

- Service trips to deliver, pick up, or install, educate how to operate, correct wiring, or correct unauthorized repairs.
- Damage or failure of the Product to perform during power failures and interrupted or inadequate electrical service.

- Damage or failure of the Product caused by leaky or broken water pipes, frozen water pipes, restricted drain lines, inadequate or interrupted water supply or inadequate supply of air.
- Damage or failure of the Product resulting from operating the Product in a corrosive atmosphere or contrary to the Product owner's manual.
- Damage or failure of the Product caused by accidents, pests and vermin, lightning, wind, fire, floods, acts of nature, or any other causes beyond the control of LG.
- Damage or failure of the Product caused by unauthorized modification or alteration, or if the Product is used for other than the intended purpose, or any water leakage where the Product was not properly installed.
- Damage or failure of the Product caused by incorrect electrical current, voltage, or plumbing codes.
- Damage or failure of the Product caused by transportation, storage, and/or handling, including scratches, dents, chips, and/or other damage to the finish of the Product, unless such damage is reported within one (1) week of delivery.
- Damage or failure of the Product resulting from misuse, abuse, improper installation, repair, or maintenance. Improper repair includes the use of parts not authorized by LG. Improper installation or maintenance includes installation or maintenance contrary to the Product owner's manual.
- Damage or failure of the Product caused by the use of parts, components, accessories, consumable cleaning products, or any other products or services that were not authorized by LG.
- Damage or missing items to any display or open box Product.
- Refurbished Product or any Product sold "As Is", "Where Is", "With all Faults", or similar disclaimer.
- Products with original serial numbers that have been removed, altered, or cannot be readily determined.
- Increases in utility costs and additional utility expenses.
- Any noises associated with normal operation.
- Products used for other than normal and proper household use (e.g., commercial or industrial use) or contrary to the Product owner's manual.
- Costs associated with removal and reinstallation of the Product for repairs, or the removal and reinstallation of the Product if it is installed in an inaccessible location or not installed in accordance with the Product Owner's manual.
- Accessories, removable components, or consumable parts (e.g. Shelves, door bins, drawers, water/air filters, racks, light bulbs, batteries, etc., as applicable), except for internal/functional parts covered under this limited warranty.
- Replacing house fuses or resetting of circuit breakers, correction of house wiring or plumbing, or correction of product installation.

The cost of repair or replacement under these excluded circumstances shall be borne by You.

HOW TO OBTAIN WARRANTY SERVICE & ADDITIONAL INFORMATION

Call 1-800-243-0000 and select the appropriate option from the menu. Or visit our website at www.lg.com.

Or by mail: LG Customer Information Center (ATTN: CIC) 201 James Record Road, Huntsville, AL 35824

FOR YOUR RECORDS

Write the model and serial numbers here:

Model No.	
Serial No.	

- This information is located on a label on the side of the unit.

Dealer's Name	
Date Purchased	

- Staple your receipt to this page in the event you need it to prove date of purchase or for warranty issues.

PROCEDURE FOR RESOLVING DISPUTES:

ALL DISPUTES BETWEEN YOU AND LG ARISING OUT OF OR RELATING IN ANY WAY TO THIS LIMITED WARRANTY OR THE PRODUCT SHALL BE RESOLVED EXCLUSIVELY THROUGH BINDING ARBITRATION, AND NOT IN A COURT OF GENERAL JURISDICTION. BINDING ARBITRATION MEANS THAT YOU AND LG ARE EACH WAIVING THE RIGHT TO A JURY TRIAL AND TO BRING OR PARTICIPATE IN A CLASS ACTION.

Definitions. For the purposes of this section, references to “LG” mean LG Electronics U.S.A., Inc., its parents, subsidiaries and affiliates, and each of their officers, directors, employees, agents, beneficiaries, predecessors in interest, successors, assigns and suppliers; references to “dispute” or “claim” shall include any dispute, claim or controversy of any kind whatsoever (whether based in contract, tort, statute, regulation, ordinance, fraud, misrepresentation or any other legal or equitable theory) arising out of or relating in any way to the sale, condition or performance of the product or this Limited Warranty.

Notice of Dispute. In the event you intend to commence an arbitration proceeding, you must first notify LG in writing at least 30 days in advance of initiating the arbitration by sending a letter to LG at LG Electronics, USA, Inc. Attn: Legal Department-Arbitration 111 Sylvan Avenue, Englewood Cliffs, NJ 07632. You and LG agree to engage in good faith discussions in an attempt to amicably resolve your claim. The notice must provide your name, address, and telephone number; identify the product that is the subject of the claim; and describe the nature of the claim and the relief being sought. If you and LG are unable to resolve the dispute within 30 days, either party may proceed to file a claim for arbitration.

Agreement to Binding Arbitration and Class Action Waiver. Upon failure to resolve the dispute during the 30 day period after sending written notice to LG, you and LG agree to resolve any claims between us only by binding arbitration on an individual basis, unless you opt out as provided below. Any dispute between you and LG shall not be combined or consolidated with a dispute involving any other person’s or entity’s product or claim. More specifically, without limitation of the foregoing, any dispute between you and LG shall not under any circumstances proceed as part of a class or representative action. Instead of arbitration, either party may bring an individual action in small claims court, but that small claims court action may not be brought on a class or representative basis.

Arbitration Rules and Procedures. To begin arbitration of a claim, either you or LG must make a written demand for arbitration. The arbitration will be administered by the American Arbitration Association (“AAA”) and will be conducted before a single arbitrator under the AAA’s Consumer Arbitration Rules that are in effect at the time the arbitration is initiated (referred to as the “AAA Rules”) and under the procedures set forth in this section. The AAA Rules are available online at www.adr.org/consumer. Send a copy of your written demand for arbitration, as well as a copy of this provision, to the AAA in the manner described in the AAA Rules. You must also send a copy of your written demand to LG at LG Electronics, USA, Inc. Attn: Legal Department-Arbitration 111 Sylvan Avenue, Englewood Cliffs, NJ 07632. If there is a conflict between the AAA Rules and the rules set forth in this section, the rules set forth in this section will govern. This arbitration provision is governed by the Federal Arbitration Act. Judgment may be entered on the arbitrator’s award in any court of competent jurisdiction. All issues are for the arbitrator to decide, except that issues relating to the scope and enforceability of the arbitration provision and to the arbitrability of the dispute are for the court to decide. The arbitrator is bound by the terms of this provision.

Governing Law. The law of the state of your residence shall govern this Limited Warranty and any disputes between us except to the extent that such law is preempted by or inconsistent with applicable federal law.

Fees/Costs. You do not need to pay any fee to begin an arbitration. Upon receipt of your written demand for arbitration, LG will promptly pay all arbitration filing fees to the AAA unless you seek more than $25,000 in damages, in which case the payment of these fees will be governed by the AAA Rules. Except as otherwise provided for herein, LG will pay all AAA filing, administration and arbitrator fees for any arbitration initiated in accordance with the AAA Rules and this arbitration provision. If you prevail in the arbitration, LG will pay your attorneys’ fees and expenses as long as they are reasonable, by considering factors including, but not limited to, the purchase amount and claim amount. Notwithstanding the foregoing, if applicable law allows for an award of reasonable attorneys’ fees and expenses, an arbitrator can award them to the same extent that a court would. If the arbitrator finds either the substance of your

claim or the relief sought in the demand is frivolous or brought for an improper purpose (as measured by the standards set forth in Federal Rule of Civil Procedure 11(b)), then the payment of all arbitration fees will be governed by the AAA Rules. In such a situation, you agree to reimburse LG for all monies previously disbursed by it that are otherwise your obligation to pay under the AAA Rules. Except as otherwise provided for, LG waives any rights it may have to seek attorneys' fees and expenses from you if LG prevails in the arbitration.

Hearings and Location. If your claim is for $25,000 or less, you may choose to have the arbitration conducted solely on the basis of (1) documents submitted to the arbitrator, (2) through a telephonic hearing, or (3) by an in-person hearing as established by the AAA Rules. If your claim exceeds $25,000, the right to a hearing will be determined by the AAA Rules. Any in-person arbitration hearings will be held at a location within the federal judicial district in which you reside unless we both agree to another location or we agree to a telephonic arbitration.

Opt Out. You may opt out of this dispute resolution procedure. If you opt out, neither you nor LG can require the other to participate in an arbitration proceeding. To opt out, you must send notice to LG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the product by either: (i) sending an e-mail to optout@lge.com, with the subject line: "Arbitration Opt Out" or (ii) calling 1-800-980-2973. You must include in the opt out e-mail or provide by telephone: (a) your name and address; (b) the date on which the product was purchased; (c) the product model name or model number; and (d) the serial number (the serial number can be found (i) on the product; or (ii) online by accessing https://www.lg.com/us/support and clicking on "How do I find my model number?").

You may only opt out of the dispute resolution procedure in the manner described above (that is, by e-mail or telephone); no other form of notice will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the full benefits of the Limited Warranty. If you keep this product and do not opt out, then you accept all terms and conditions of the arbitration provision described above.



LG Customer Information Center
1-800-243-0000
Register your product Online!
www.lg.com

LG Electronics USA, Inc.
111 Sylvan Avenue, Englewood Cliffs, NJ 07632