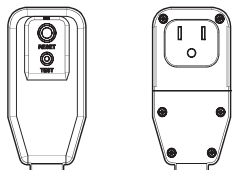


Electrical Data

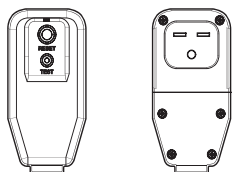
Power cord may include a current interrupter device. **TEST** and **RESET** buttons are provided on the plug case. The device should be tested on a periodic basis by first pressing the **TEST** button and then the **RESET** button. If the **TEST** button does not trip or if the **RESET** button will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

for 120 V

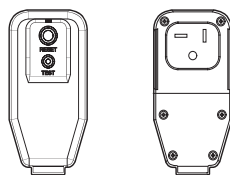


Model	Use Wall Receptacle	Power Supply
LW1522ERSM	 Standard 120 V, 3-wire grounding receptacle rated 15 A / 120 VAC / 60 Hz	Use 15 A, time delay fuse or 15 A, circuit breaker.

for 240 V



Model	Use Wall Receptacle	Power Supply
LW1822ERSM	 Standard 240 V, 3-wire grounding receptacle rated 15 A / 240 VAC / 60 Hz	Use 15 A, time delay fuse or 15 A, circuit breaker.



Model	Use Wall Receptacle	Power Supply
LW2522ERSM	 Standard 240 V, 3-wire grounding receptacle rated 20 A / 240 VAC / 60 Hz	Use 20 A, time delay fuse or 20 A, circuit breaker.

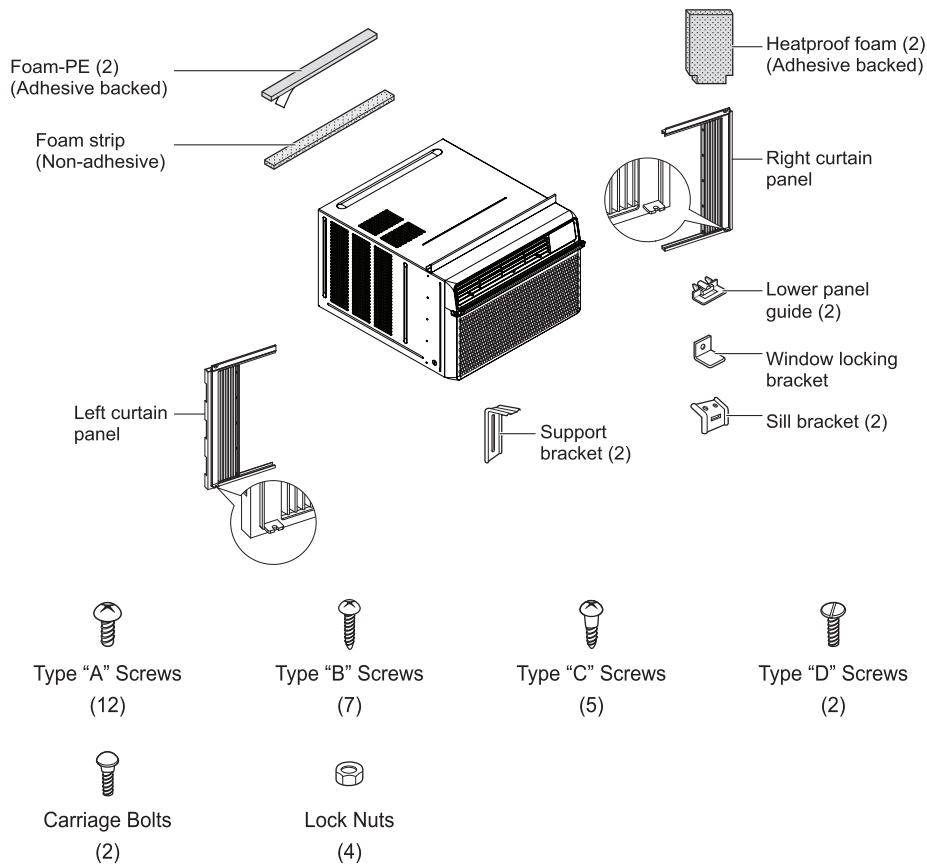
WARNING

- 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.

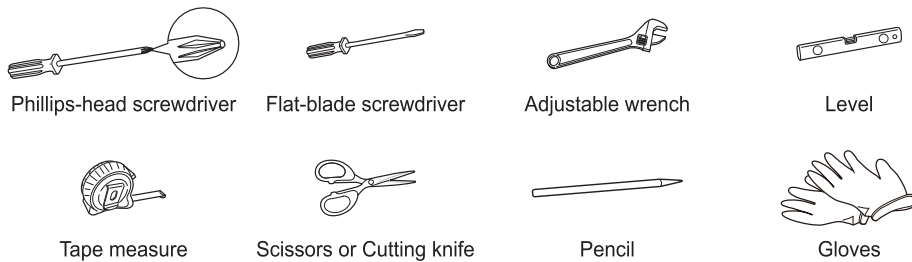
CAUTION

- 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 tamperresistant sealed portion. All warranties and performance will be voided. This unit is not intended to be used as an ON/OFF switch.

Parts Included (Appearance May Vary)

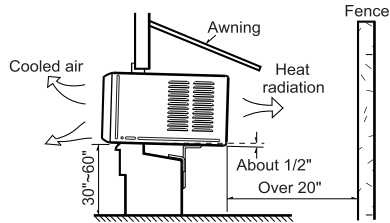


Tools Needed



How to Install the Unit

- 1 To prevent vibration and noise, make sure the unit is installed securely and firmly.
- 2 Install the unit out of direct sunlight.
- 3 There should be no obstacles, such as a fence or wall, within 20" from the back of the cabinet because it will prevent heat radiation of the condenser. Restriction of outside air will greatly reduce the cooling efficiency of the air conditioner.



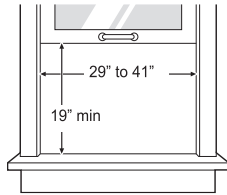
CAUTION

- DO NOT cover or block any of the side and top louvers. All side louvers of the cabinet must remain exposed to the outside of the structure and unobstructed.
- 4 Install the unit slightly tilted so the back is slightly lower than the front (about 1/2"). This will force condensed water to flow to the outside.
 - 5 Install the unit with the bottom between 30"~ 60" above the floor level.

Window Requirements

- This unit is designed for installation in standard double hung windows with actual opening widths from 29" to 41".

The top and bottom window sashes must open sufficiently to allow a clear vertical opening of 19" from the bottom of the upper sash to the inside sill.

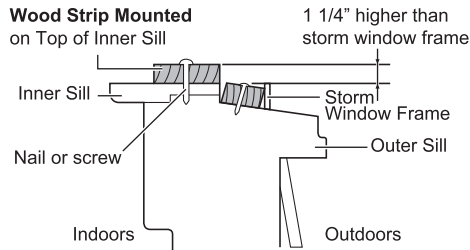


NOTE

- All supporting parts should be secured to firm wood, masonry, vinyl, fiberglass, or metal.
- This product is a window air conditioner. As such, a standard single-hung or double-hung window is required for proper installation. Non-window installations, including using sleeves or wall openings, and other installation methods are not recommended.

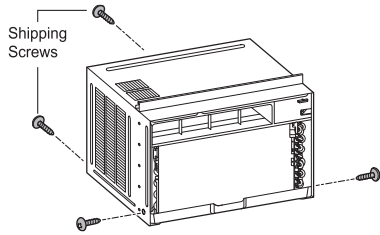
Storm Window Requirements

- 1 Windows that include a storm window frame may prevent the air conditioner from tilting down toward the outside to drain properly. For proper drainage, attach a 2" x 2" piece of wood to the inner sill, trimmed to a length which fits inside the window frame. The top of the wood shim must be at least 1 1/4" higher than the top of the storm window frame. Attach the wood securely to the sill with nails or screws.
- 2 If necessary, attach another 2" x 2" wood strip flush against the back of the inner sill.

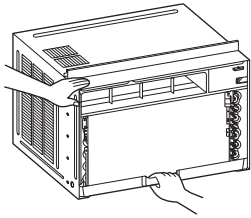


Preparation of the Cabinet

- 1 Remove 4 screws which fasten the cabinet at both sides and at the back. (Keep the screws for later use.)



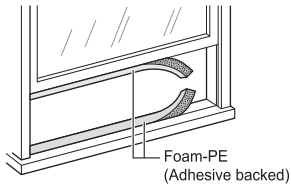
- 2 Slide the unit from the cabinet by gripping the base pan handle and pulling forward while bracing the cabinet.



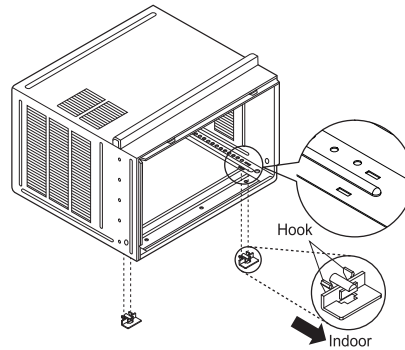
CAUTION

- The unit is heavy. To prevent injury, use proper lifting techniques when pulling unit forward from cabinet. Obtain assistance from another person if possible.

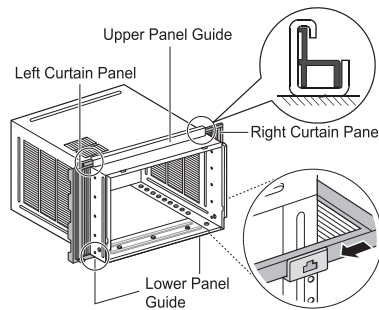
- 3 Cut the window sash seals (Foam-PE) to the proper length. Peel off the backing and attach the adhesive-backed foam to the underside of the window sash and the bottom of the window frame.



- 4 Insert the hooks on the lower panel guides into the slots on the bottom of the cabinet. Make sure that the flanges on the lower panel guides will face toward the inside of the room.



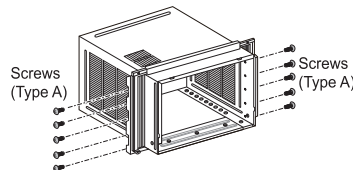
- 5 Insert the top and bottom rails of the curtain panels into the upper and lower panel guides.



CAUTION

- The lower panel guides are easily broken. Be careful with them when installing the cabinet.

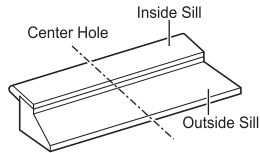
- 6 Fasten the curtain panels to the unit with 10 type A screws. Fasten the screws behind the curtain panel.



NOTE

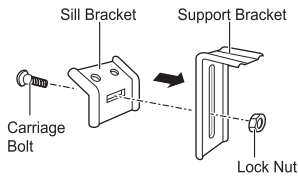
- Use a long screwdriver to make installing the screws easier.

Cabinet Installation



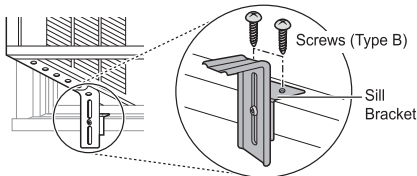
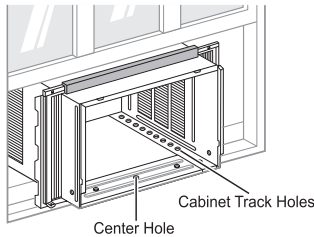
- 1** Open the window. Mark a line on the center of the inside sill and extending across the center of the outside sill.

Loosely attach each sill bracket to a support bracket using a carriage bolt and a lock nut.



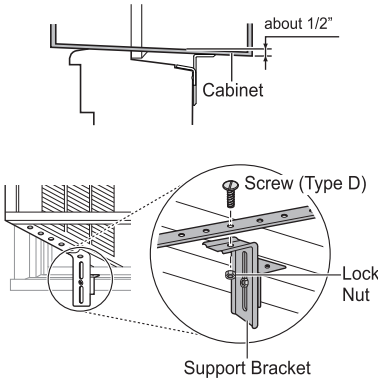
- 2** Carefully place the cabinet in the window and align the center hole on the cabinet bottom front with the center line marked on the window sills. Pull the bottom window sash down behind the upper guide until they meet. Align the support brackets with the cabinet track holes and mark the sill along the sides of each sill bracket.

Remove the cabinet from the window and attach each sill bracket on the outside sill between the marks using 2 type B screws.



- 3** Carefully place the cabinet back in the window and align the cabinet track holes with the support brackets. Attach each support bracket to the cabinet through a cabinet track hole, using a type D screw and a lock nut. Use the first track hole past the sill bracket on the outer edge of the window sill. Tighten the lock nuts on the support brackets to secure them to the sill brackets.

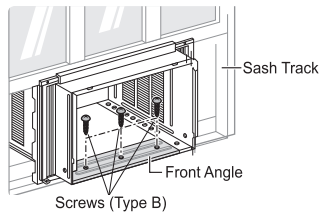
Install the cabinet with a slight tilt (about 1/2") downward to the outside sill.



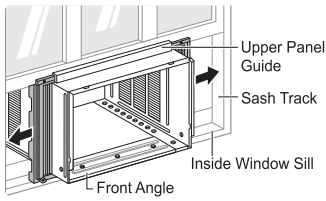
⚠ CAUTION

- Do not drill a hole in the bottom pan. The product is designed to operate with approximately 1/2" of water in the bottom pan. There is no need to add water if the pan is dry.

- 4** Mount the cabinet to the window sill using 3 type B screws in the holes on the front angle.

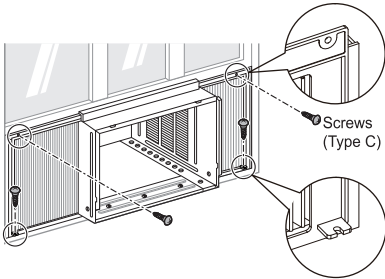


- 5 Pull each curtain panel out until it meets the window sash track. Pull the bottom window sash down behind the upper panel guide until they meet.



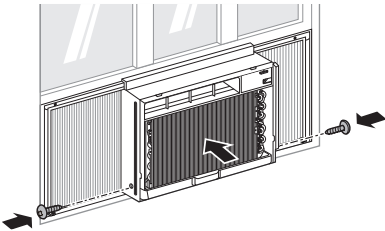
NOTE

- Do not pull the window sash down so tightly that the movement of the curtain panels is restricted.
- 6 Use a screwdriver or power drill to attach the curtain panels to the window sashes by inserting type C screws into the sashes through the cabinet holes shown in the figure below.



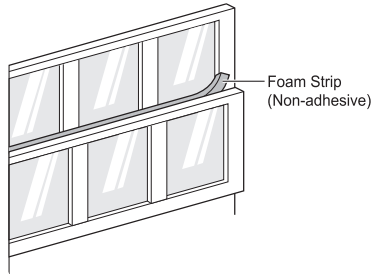
Unit Installation

- 1 With the aid of an assistant, slide the unit into the cabinet. Do not push on the controls or the finned coils. Reinstall the screws removed from the cabinet sides in step 1 of preparation of cabinet.



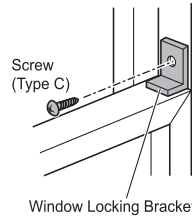
CAUTION

- The unit is heavy. Use an assistant to help lift the unit and set it in place. Lifting and maneuvering the unit by yourself could result in injury.
 - Hold the unit 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.
- 2 Cut the non-adhesive foam strip to the proper length and insert it between the upper window sash and the lower window sash.

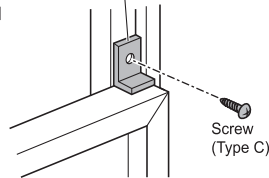


- 3 To prevent broken glass or damage to windows, on vinyl or other similarly constructed windows, attach the window locking bracket with a type C screw.

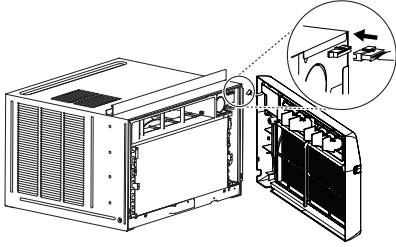
Vinyl



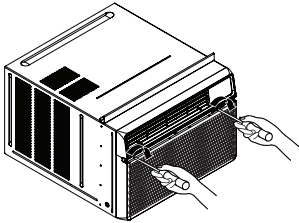
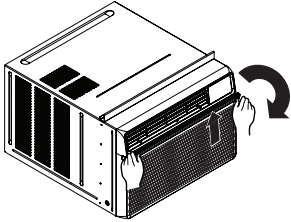
Wood



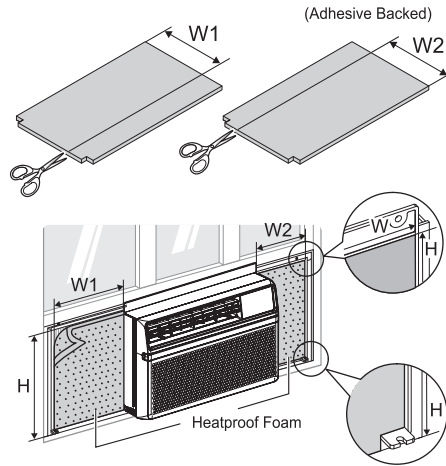
- 4** Connect the wire harness before assembling the front grille.



- 5** Remove air filter from the front grille by pulling the filter forward and then up slightly. Secure it with 2 type A screws through the front grille.



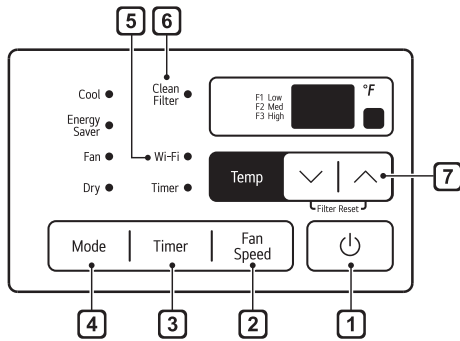
- 6** After the air conditioner is installed, measure the curtain panel on each side and cut the adhesive-backed heatproof foam to fit each panel. The size of the panels may differ. Remove the backing from the heatproof foam and attach the foam to the curtain panels.



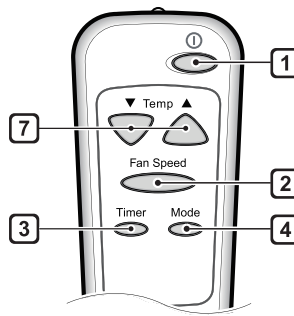
NOTE

- Heatproof foam improves the cooling capability of the air conditioner.
- See the Electrical Data section for information on attaching the power cord to an electrical outlet.

Control Panel and Remote Control



Remote Control



NOTE

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

- 1 Power**
Press to turn the air conditioner ON or OFF.
- 2 Fan Speed**
Press to set the Fan Speed to Low (F1), Medium (F2) or High (F3).
- 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 / Dry.
- 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.
- Dry** - This mode is ideal for rainy and damp days to dehumidify the room rather than cooling it significantly. Humidity is removed from the room by the combination of compressor operation and the fan speed fixed at Low. The compressor and fan turn off once the set temperature is reached. Fan speed cannot be adjusted in Dry mode.

5 Wi-Fi (Wi-Fi Model Only)

Enables connection of the air conditioner to the home Wi-Fi.

NOTE

- Follow instructions on ThinQ application on how to connect to your unit.

6 Clean Filter

The Clean Filter LED lights up to notify you that the filter needs to be cleaned. After cleaning the filter, press **Temp** $\wedge$ and $\vee$ 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.

7 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 $\wedge$ or $\vee$ arrows to increase or decrease temperature setting.

NOTE

- 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.

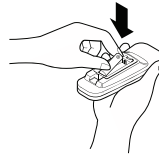
Wireless Remote Control

Inserting Batteries

- 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

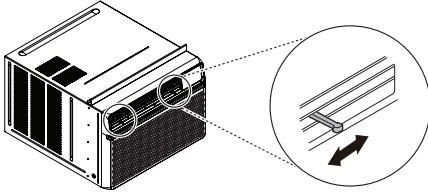
- Two new batteries are supplied with the air conditioner for use in the remote control.
- Do not use a rechargeable battery. Make sure that the battery is new.
- In order to prevent discharge, remove the battery from the remote control if the air conditioner is not going to be used for an extended period 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.

Air Direction

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

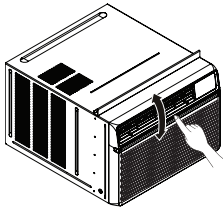
Adjusting Horizontal Airflow Direction

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

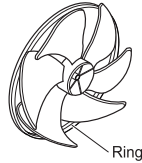
- When the weather is extremely hot, the unit may turn off automatically to protect the compressor.

Additional Features

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.



LG ThinQ Application

This feature is only available on models with the  or **ThinQ** logo

The **LG ThinQ** application allows you to communicate with the appliance using a smartphone.

LG ThinQ Application Features

Communicate with the appliance from a smartphone using the convenient smart features.

Smart Diagnosis

If you experience a problem while using the appliance, this smart diagnosis feature will help you diagnose the problem.

Settings

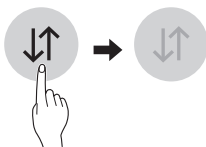
Allows you to set various options on the appliance and in the application.

NOTE

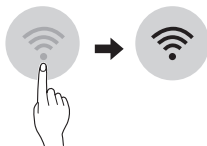
- If you change your wireless router, internet service provider, or password, delete the registered appliance from the **LG ThinQ** application and register it again.
- The application is subject to change for appliance improvement purposes without notice to users.
- Functions may vary by model.

Before Using LG ThinQ Application

- 1 Check the distance between the appliance and the wireless router (Wi-Fi network).
 - If the distance between the appliance and the wireless router is too far, the signal strength becomes weak. It may take a long time to register or installation may fail.
- 2 Turn off the **Mobile data** or **Cellular Data** on your smartphone.



- 3 Connect your smartphone to the wireless router.



NOTE

- To verify the Wi-Fi connection, check that  icon on the control panel is lit.
- The appliance supports 2.4 GHz Wi-Fi networks only. To check your network frequency, contact your Internet service provider or refer to your wireless router manual.
- **LG ThinQ** is not responsible for any network connection problems or any faults, malfunctions, or errors caused by network connection.
- If the appliance is having trouble connecting to the Wi-Fi network, it may be too far from the router. Purchase a Wi-Fi repeater (range extender) to improve the Wi-Fi signal strength.
- The Wi-Fi connection may not connect or may be interrupted because of the home network environment.
- The network connection may not work properly depending on the Internet service provider.
- The surrounding wireless environment can make the wireless network service run slowly.
- The appliance cannot be registered due to problems with the wireless signal transmission. Unplug the appliance and wait about a minute before trying again.
- If the firewall on your wireless router is enabled, disable the firewall or add an exception to it.
- The wireless network name (SSID) should be a combination of English letters and numbers. (Do not use special characters.)
- Smartphone user interface (UI) may vary depending on the mobile operating system (OS) and the manufacturer.
- If the security protocol of the router is set to **WEP**, you may fail to set up the network. Please change it to other security protocols (**WPA2** is recommended) and register the product again.

Installing the LG ThinQ Application

Search for the **LG ThinQ** application from the Google Play Store or Apple App Store on a smartphone. Follow instructions to download and install the application.

Open Source Software Notice Information

To obtain the source code under GPL, LGPL, MPL, and other open source licenses that have the obligations to disclose source code, that is contained in this product, and to access all referred license terms, copyright notices and other relevant documents please visit <https://opensource.lge.com>.

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to opensource@lge.com.

This offer is valid to anyone in receipt of this information for a period of three years after our last shipment of this product.

Smart Diagnosis

This feature is only available on models with the  or  logo.

Use this feature to help you diagnose and solve problems with your appliance.

NOTE

- For reasons not attributable to LGE's negligence, the service may not operate due to external factors such as, but not limited to, Wi-Fi unavailability, Wi-Fi disconnection, local app store policy, or app unavailability.
- The feature may be subject to change without prior notice and may have a different form depending on where you are located.

Using LG ThinQ to Diagnose Issues

If you experience a problem with your Wi-Fi equipped appliance, it can transmit troubleshooting data to a smartphone using the **LG ThinQ** application.

- Launch the **LG ThinQ** application and select the **Smart Diagnosis** feature in the menu. Follow the instructions provided in the **LG ThinQ** application.

FCC Notice

This following notice cover the transmitter module contained in this product.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) This device may not cause harmful interference and
- 2) This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be colocated or operating in conjunction with any other antenna or transmitter.

This equipment should be installed and operated with a minimum distance of 20 cm (7.8 inches) between the antenna and your body. Users must follow the specific operating instructions for satisfying RF exposure compliance.

Wireless LAN Module Specifications

Frequency Range	2412 MHz - 2462 MHz
Output Power (Max)	< 30 dBm