LG
Life's Good

ENGLISH

OWNER'S MANUAL

DRYER

Please read this owner's manual thoroughly before operating and keep it handy for reference at all times.

DLEX9000* DLGX9001*

MFL67731061

www.lg.com

TABLE OF CONTENTS

3 IMPORTANT SAFETY INSTRUCTIONS

3 WHAT TO DO IF YOU SMELL GAS
4 BASIC SAFETY PRECAUTIONS
4 CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMEN ACT
5 GROUNDING INSTRUCTIONS
5 SAFETY INSTRUCTIONS FOR INSTALLATION
6 SAFETY INSTRUCTIONS FOR STEAM FUNCTIONS
7 SAFETY INSTRUCTIONS FOR CONNECTING ELECTRICITY

8 REGULATION NOTICE FOR TRANSMITTER MODULE CONTAINEDIN DRYER

8 FCC STATEMENT
9 PRODUCT SPECIFICATIONS

10 SPECIAL FEATURES

11 PRODUCT OVERVIEW

11 Parts
11 Accessories
12 Control Panel Features
13 Display

14 INSTALLATION

14 Installation Overview
15 Installation Location Requirements
15 Clearances
16 Clearances with Optional Pedestal Base
17 Leveling the Dryer
18 Reversing the Door
20 Installing the Side Vent Kit
21 Venting the Dryer
23 Connecting the Inlet Hose
24 Connecting Gas Dryers
26 Connecting Electric Dryers
31 Special Requirements for Manufactured or Mobile Homes
31 Final Installation Check
32 Installation Test (Duct Check)

34 OPERATION

34 Operating the Dryer
35 Cycle Guide
36 Sorting Loads
36 Loading the Dryer
36 Check the Lint Filter before Every Load
36 Storage Under the Lid
37 Using the Lid
38 Cycle Modifier Buttons
39 Special Functions
40 Custom Program
41 Steam Functions
41 Steam Cycle Guide

42 SMART APPLIANCE CONNECTIVITY

42 Connectivity Overview
42 Connectivity Setup
43 Smart ThinQ

45 USING SMART DIAGNOSIS™

46 MAINTENANCE

46 Regular Cleaning

47 TROUBLESHOOTING

47 Before Calling for Service

50 SPECIFICATIONS

51 WARRANTY

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE

⚠WARNING

For your safety, the information in this manual must be followed to minimize the risk of fire, explosion, or electric shock, or to prevent property damage, injury to persons, or death.

Your safety and the safety of others is very important.

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

⚠ This is the safety alert symbol.
This symbol alerts you to potential hazards that can kill or hurt you and others.

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

These words mean:

⚠DANGER

You will be killed or seriously injured if you don't immediately follow instructions.

⚠WARNING

You can be killed or seriously injured if you don't follow instructions.

⚠CAUTION

You may be slightly 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 can happen if the instructions are not followed.

- **Do not install a clothes dryer with flexible plastic venting materials. If flexible metal (foil type) duct is installed, it must be of a specific type identified by the appliance manufacturer as suitable for use with clothes dryers. Flexible venting materials are known to collapse, be easily crushed, and trap lint. These conditions will obstruct clothes dryer airflow and increase the risk of fire.**
- **Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this appliance or any other appliances.**
- **Installation and service must be performed by a qualified installer, service agency, or the gas supplier.**
- **Install the clothes dryer according to the manufacturer's instructions and local codes.**
- **Save these instructions.**

WHAT TO DO IF YOU SMELL GAS:

1. Do not try to light a match or cigarette, or turn on any gas or electrical appliance.

2. Do not touch any electrical switches. Do not use any phone in your building.

3. Clear the room, building, or area of all occupants.

4. Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions carefully.

5. If you cannot reach your gas supplier, call the fire department.

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE

⚠WARNING

For your safety, the information in this manual must be followed to minimize the risk of fire, explosion, or electric shock, or to prevent property damage, injury to persons, or death.

BASIC SAFETY PRECAUTIONS

⚠WARNING

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

- Read all instructions before using the dryer.
- Before use, the dryer must be properly installed as described in this manual.
- **Do not place items exposed to cooking oils in your dryer. Items contaminated with cooking oils may contribute to a chemical reaction that could cause a load to catch fire.**
- Do not dry articles that have been previously cleaned in, washed in, soaked in, or spotted with gasoline, dry-cleaning solvents, or other flammable or explosive substances as they give off vapors that could ignite or explode.
- **Do not reach into the dryer if the drum or any other part is moving.**
- Do not repair or replace any part of the dryer or attempt any servicing unless specifically recommended in this owner's manual or in published user-repair instructions that you understand and have the skills to carry out.
- **Do not tamper with controls.**
- Before the dryer is removed from service or discarded, remove the door to the drying compartment.
- Do not allow children to play on or in the dryer. Close supervision of children is necessary when the dryer is used near children.
- Do not use fabric softeners or products to eliminate static unless recommended by the manufacturer of the fabric softener or product.
- **Do not use heat to dry articles containing foam rubber or similarly textured rubber-like materials.**
- Keep area around the exhaust opening and adjacent surrounding areas free from the accumulation of lint, dust, and dirt.
- The interior of the dryer and exhaust vent should be cleaned periodically by qualified service personnel.
- Do not install or store the dryer where it will be exposed to the weather.
- Always check the inside of the dryer for foreign objects.
- Clean lint screen before or after each load.
- **Do not store plastic, paper, or clothing that may burn or melt on top of the dryer during operation.**

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT

This act requires the governor of California to publish a list of substances known to the state to cause cancer, birth defects, or other reproductive harm and requires businesses to warn customers of potential exposure to such substances.

Gas appliances can cause minor exposure to four of these substances, namely benzene, carbon monoxide, formaldehyde, and soot, caused primarily by the incomplete combustion of natural gas or LP fuels.

Properly adjusted dryers will minimize incomplete combustion. Exposure to these substances can be minimized further by properly venting the dryer to the outdoors.

⚠**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. ***Wash hands after handling.***

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE

⚠WARNING

For your safety, the information in this manual must be followed to minimize the risk of fire, explosion, or electric shock, or to prevent property damage, injury to persons, or death.

GROUNDING INSTRUCTIONS

This appliance must be grounded. In the event of malfunction or breakdown, grounding will reduce the risk of electric shock by providing a path of least resistance for electric current. This appliance must be equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.
Do not modify the plug provided with the appliance. If it will not fit the outlet, have a proper outlet installed by a qualified electrician. This appliance must be connected to a grounded metal, permanent wiring system or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment-grounding terminal or lead on the appliance. Electric shock can result if the dryer is not properly grounded.

SAFETY INSTRUCTIONS FOR INSTALLATION

⚠WARNING

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

- **Properly ground dryer to conform with all governing codes and ordinances.** Follow details in the installation instructions. Electric shock can result if the dryer is not properly grounded.
- **Before use, the dryer must be properly installed** as described in this manual. Electric shock can result if the dryer is not properly grounded.
- **Install and store the dryer where it will not be exposed to temperatures below freezing or exposed to the weather.**
- **All repairs and servicing must be performed by an authorized servicer unless specifically recommended in this owner's manual. Use only authorized factory parts.** Failure to follow this warning can cause serious injury, fire, electric shock, or death.
- **To reduce the risk of electric shock, do not install the dryer in humid spaces.** Failure to follow this warning can cause serious injury, fire, electric shock, or death.
- **Connect to a properly rated, protected, and sized power circuit to avoid electrical overload.** Improper power circuit can melt, creating electric shock and/or fire hazard.
- **Remove all packing items and dispose of all shipping materials properly.** Failure to do so can result in death, explosion, fire, or burns.
- **Place dryer at least 18 inches above the floor for a garage installation.** Failure to do so can result in death, explosion, fire, or burns.
- **Keep all packaging from children.** Packaging material can be dangerous for children. There is a risk of suffocation.
- **Do not install near another source of heat such as a stove, cooking oven.** Failure to do so can cause deform, smoke and fire.
- **Do not place candles, smoking materials, or other flammables on top of the product.** Dripping wax, smoke, or fire can result.
- **Remove all protective vinyl film from the product.** Failure to do so can cause product damage, smoke or fire.

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE

⚠WARNING

For your safety, the information in this manual must be followed to minimize the risk of fire, explosion, or electric shock, or to prevent property damage, injury to persons, or death.

SAFETY INSTRUCTIONS FOR INSTALLATION

⚠WARNING

To reduce the risk of injury to persons, follow all industry recommended safety procedures including the use of long sleeved gloves and safety glasses. Failure to follow all of the safety warnings in this manual could result in property damage, injury to persons, or death.

Exhaust/Ducting:

- **Gas dryers MUST be exhausted to the outside.** Failure to follow these instructions can result in fire or death.
- **The dryer exhaust system must be exhausted to the outside of the dwelling. If the dryer is not exhausted outdoors, some fine lint and large amounts of moisture will be expelled into the laundry area**. An accumulation of lint in any area of the home can create a health and fire hazard.
- **Use only rigid, semi-rigid, or flexible metal 4-inch diameter ductwork inside the dryer cabinet or for exhausting to the outside. Use of plastic or other combustible ductwork can cause a fire.** Punctured ductwork can cause a fire if it collapses or becomes otherwise restricted in use or during installation.
- **Ductwork is not provided with the dryer, and you should obtain the necessary ductwork locally. The end cap should have hinged dampers to prevent backdraft when the dryer is not in use.** Failure to follow these instructions can result in fire or death.
- **The exhaust duct must be 4 inches (10.2 cm) in diameter with no obstructions. The exhaust duct should be kept as short as possible. Make sure to clean any old ducts before installing your new dryer.** Failure to follow these instructions can result in fire or death.
- **Rigid or semi-rigid metal ducting is recommended for use between the dryer and the wall. In special installations when it is impossible to make a connection with the above recommendations, a UL-listed flexible metal transition duct may be used between the dryer and wall connection only. The use of this ducting will affect drying time.** Failure to follow these instructions can result in fire or death.
- **DO NOT use sheet metal screws or other fasteners which extend into the duct that could catch lint and reduce the efficiency of the exhaust system.** Secure all joints with duct tape. For complete details, follow the Installation Instructions. Failure to follow these instructions can result in fire or death.

SAFETY INSTRUCTIONS FOR STEAM FUNCTIONS

⚠WARNING

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

- **Do not open the dryer door during steam cycles.** Failure to follow these instructions can result in a burn hazard.
- **Do not dry articles that have been previously cleaned in, washed in, soaked in, or spotted with gasoline, dry-cleaning solvents, or other flammable or explosive substances as they give off vapors that could ignite or explode.** Failure to follow these instructions can result in fire or death.
- **Do not fill the steam feeder with gasoline, dry-cleaning solvents, or other flammable or explosive substances.** Failure to follow these instructions can result in fire or death.
- **Do not touch the steam nozzle in the drum during or after the steam cycle.** Failure to follow these instructions can result in a burn hazard.
- **Do not fill the steam feeder with hot water (over 86 ˚F/30 ˚C).** Failure to follow these instructions can result in a burn hazard.

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE

⚠WARNING

For your safety, the information in this manual must be followed to minimize the risk of fire, explosion, or electric shock, or to prevent property damage, injury to persons, or death.

SAFETY INSTRUCTIONS FOR CONNECTING ELECTRICITY

⚠WARNING

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

- **Do not, under any circumstances, cut or remove the ground prong from the power cord.** To prevent injury to persons or damage to the dryer, the electrical power cord must be plugged into a properly grounded outlet.
- **For personal safety, this dryer must be properly grounded.** Failure to do so can result in electric shock or injury.
- **Refer to the installation instructions in this manual for specific electrical requirements for your model.** Failure to follow these instructions can create an electric shock hazard and/or a fire hazard.
- **This dryer must be plugged into a properly grounded outlet. Electric shock can result if the dryer is not properly grounded. Have the wall outlet and circuit checked by a qualified electrician to make sure the outlet is properly grounded.** Failure to follow these instructions can create an electric shock hazard and/or a fire hazard.
- **The dryer should always be plugged into its own individual electrical outlet which has a voltage rating that matches the rating plate.** This provides the best performance and also prevents overloading house wiring circuits which could cause a fire hazard from overheated wires.
- **Never unplug your dryer by pulling on the power cord. Always grip plug firmly and pull straight out from the outlet.** The power cord can be damaged, resulting in a risk of fire and electric shock.
- **Repair or replace immediately 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.** The power cord can melt, creating an electric shock and/or fire hazard.
- **When installing or moving the dryer, be careful not to pinch, crush, or damage the power cord.** This will prevent injury and prevent damage to the dryer from fire and electric shock.

SAVE THESE INSTRUCTIONS

REGULATION NOTICE FOR TRANSMITTER MODULE CONTAINED IN DRYER

FCC Statement

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 not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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:

- Increase the separation between the equipment and receiver.

- C onnect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- C onsult the dealer or an experienced radio/TV technician for help.

- Reorient or relocate the receiving antenna

FCC RF Radiation Exposure Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.
This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body. End users must follow the specific operating instructions for satisfying RF exposure compliance.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Responsible Party:
LG Electronic USA , Inc.
1000 Sylvan Avenue Englewood Cliffs, NJ 07632
TEL. : +1-800-243-0000

Industry Canada Statement:
This device complies with RS-210 of the Industry Canada Rules. Operation is subject to the following two conditions:

1) this device may not cause interference and

2) this device must accept any interference, including interference that may cause undesired operation of the device

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

IC Radiation Exposure Statement:
This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.

PRODUCT SPECIFICATIONS

Standard	IEEE 802.11 b/g/n
Host Interface	UART
Operating Frequency	2.412–2.462 GHz
Security	64/128 bit WEP, WPA, WPA2, AES
Maximum Output Power	802.11b: 133.660 mW 802.11g: 319.890 mW 802.11n (HT20): 298.538 mW 802.11b (HT40): 204.174 mW
Modulation Type	CCK, DQPSK, DBPSK for DSSS 64 QAM, 16 QAM, QPSK, BPSK for OFDM
Data Rate	802.11b: up to 11 Mbps 802.11g: up to 54 Mbps 802.11n: up to 150 Mbps
Number of Channels	11 for 802.11b, 802.11g, 802.11n (HT20) 7 for 802.11n (HT40)

OPEN SOURCE SOFTWARE NOTICE

To obtain the source code contained in this product, under GPL, LGPL, MPL and other open source licenses, please visit http://opensource.lge.com.

In addition to the source code, all referred license terms, warranty disclaimers and copyright notices are available for download.

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

This offer is valid for three (3) years from the date of purchase of the product.

SPECIAL FEATURES

EASY-TO-USE CONTROL PANEL

Rotate the cycle selector knob to select the desired dry cycle. Add cycle options or adjust settings with the touch of a button.

EASY-ACCESS REVERSIBLE DOOR

The wide-opening door provides easy access for loading and unloading. The door hinge can be reversed to adjust for installation location.

ULTRA-CAPACITY STAINLESS STEEL DRUM WITH DRUM LIGHT

The ultra-large stainless steel drum offers superior durability. The drum is equipped with a light that illuminates when the dryer door is opened and turns off when the door is closed.

STEAM FUNCTIONS

LG's steam technology injects fabrics with a swirling jet of hot steam to refresh clothes. Simply select the STEAM FRESH™ cycle, or add a steam option to selected cycles.

FLOW SENSE™ DUCT BLOCKAGE SENSING SYSTEM INDICATOR

The FLOW SENSE™ duct blockage sensing system detects and alerts you to restrictions in the installed household ductwork that reduce exhaust airflow through the dryer. If you see the alert: Clean or repair the ducts to remove the restrictions. Keep your ducts clean to help increase efficiency and reduce long drying times caused by blocked ducts.

SMART THINQ

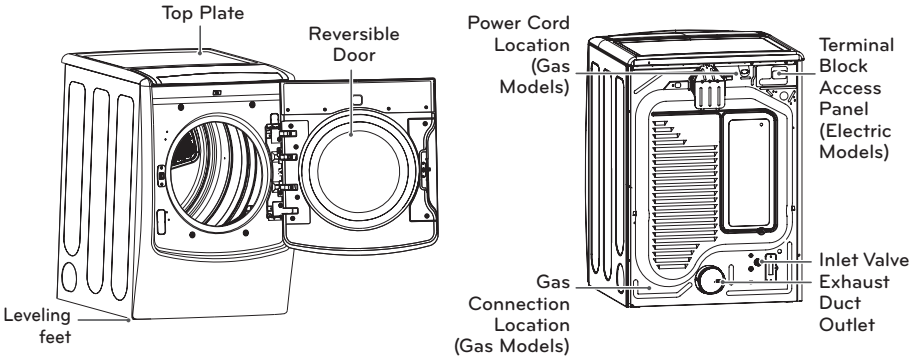
Remote Start – Use a smart phone to control your appliance remotely. Also, it is possible to monitor your cycle operation so you know how much time is left in the cycle.
Smart Grid – Smart appliances can communicate with local utility companies that are equipped with Smart Grid equipment.
Smart Message – When the cycle is complete or the appliance has problems, you have the option of receiving push notifications on your smart phone.
Download Cycle – Download new and special cycles that are not included with the machine.
Smart Diagnosis™ – Should you experience technical difficulty, your appliance has the capability of transmitting data by phone to the Customer Information Center to diagnosis the problem.
Cycle Set – This feature automatically sets cycle settings based on your laundry needs.
Laundry Stats – This feature provides the Flow Sense status and cycle use history for the machine.
Energy Monitoring – Your dryer energy usage is affected by the cycle and settings so you may see some changes in energy usage from one cycle to another.

Protocol P154
Sanitization Performance of Residential Clothes dryer

PRODUCT OVERVIEW

PARTS AND ACCESSORIES

Parts

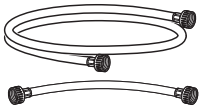


Accessories

Included accessories

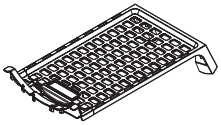


Y connector

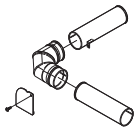


Hose

Optional accessories



Drying rack



Side vent kit (sold separately) Kit No. 383EEL9001B

NOTE

- Contact LG Customer Service at 1-800-243-0000 (1-888-542-2623 in Canada) if any accessories are missing.
- For your safety and for extended product life, use only authorized components. The manufacturer is not responsible for product malfunction or accidents caused by the use of separately purchased unauthorized components or parts.
- The images in this manual may be different from the actual components and accessories, which are subject to change by the manufacturer without prior notice for product improvement purposes.

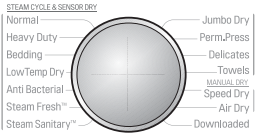
Control Panel Features

Following are instructions for starting and using your new dryer. Please refer to specific sections of this manual for more detailed information.

⚠WARNING : To reduce the risk of fire, electric shock, or injury to persons, read this entire manual, including the Important Safety Instructions, before operating this dryer.



Operation

Button	Description
	**POWER ON/OFF BUTTON** - Press to turn the dryer ON. To turn the dryer off, Press and hold more than 0.4 seconds. **NOTE :** Pressing the ON/OFF button during a cycle will cancel that cycle and any load settings will be lost.
	**CYCLE SELECTOR KNOB** - Turn this knob to select the desired cycle. Once the desired cycle has been selected, the standard presets will be shown in the display. On MANUAL DRY cycles, these settings can be adjusted using the cycle modifier buttons anytime before starting the cycle.
	**START/PAUSE BUTTON** - Press this button more than 0.4 seconds hold to start the selected cycle. If the dryer is running, use this button to pause the cycle without losing the current settings. **NOTE :** If you do not press the Start/Pause button to resume a cycle within four minutes, the dryer turns off automatically.
	**MORE TIME/LESS TIME BUTTONS** - To adjust the drying time, use these buttons with MANUAL DRY, TIME DRY, and STEAM FRESH™ cycles, as well as the REDUCE STATIC and EASY IRON options. Press the MORE TIME button to increase the selected manual cycle time by a minute; press LESS TIME to decrease the cycle time by a minute.
	**CYCLE MODIFIER BUTTONS** - Use these buttons to modify the default cycle settings for the selected cycle. The current settings are shown in the display. Press the button for that option to view and select other settings.
	**OPTION BUTTONS** - The OPTION buttons allow you to select additional cycle options. Certain buttons marked with an asterisk also allow you to activate special functions by pressing and holding the button for 3 seconds.
Steam Fresh™ Steam Sanitary™	**STEAM FUNCTIONS** - LG's steam technology injects fabrics with a swirling jet of hot steam to refresh clothes, reduce static, and make ironing easier. Simply select the Steam Fresh™ cycle, or you can add a steam option to selected cycles.

Display

The display shows the settings, estimated time remaining, options, and status messages for your dryer. When the dryer is turned on, the light in the display will illuminate.

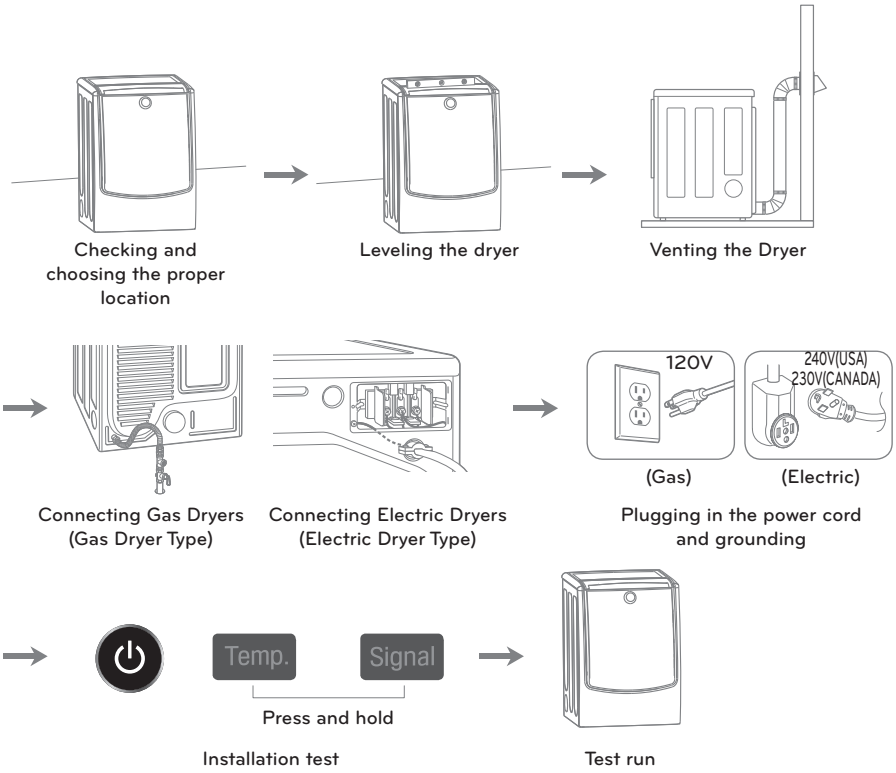
⚠WARNING : To reduce the risk of fire, electric shock, or injury to persons, read this entire manual, including the Important Safety Instructions, before operating this dryer.



Display and Icons	Description
	**ESTIMATED TIME REMAINING** - When the Hold to Start button is pressed, the dryer will display the estimated (SENSOR DRY) or set time (TIME DRY) remaining, and begin tumbling. **NOTE :** The cycle time on SENSOR DRY cycles may fluctuate as the dryer recalculates drying time for optimal results
	**CYCLE COMPLETION INDICATOR WITH CHECK FILTER REMINDER** - This portion of the display shows which stage of the drying cycle is currently underway (CLEAN FILTER, DRY, or COOL).
	**CHILD LOCK INDICATOR** - When CHILD LOCK is set, the CHILD LOCK indicator will appear and all buttons are disabled except the POWER button. This prevents children from changing settings while the dryer is operating
	**CLEAN FILTER REMINDER** - The display will show CLEAN FILTER when the dryer is turned on as a reminder to clean the lint filter. It turns off when the Hold to Start button is pressed.
	**CUSTOM PROGRAM** - If you have a special combination of settings that you use frequently, you can save these settings as a CUSTOM PROGRAM.
	**FLOW SENSE™ DUCT BLOCKAGE SENSING SYSTEM INDICATOR** - The FLOW SENSE™ duct blockage sensing system detects and alerts you to blockages in the ductwork that reduce exhaust flow from the dryer. This improves operating efficiency and helps minimize service calls, saving you money.
	**WI-FI CONNECTION INDICATOR** - When the appliance is connected to the internet through a home Wi-Fi network, this indicator appears.

INSTALLATION

Installation Overview



Installation Location Requirements

⚠WARNING

Read all installation instructions completely before installing and operating your dryer! It is important that you review this entire manual before installing and using your dryer. Detailed instructions concerning electrical connections, gas connections, and exhaust requirements are provided on the following pages.

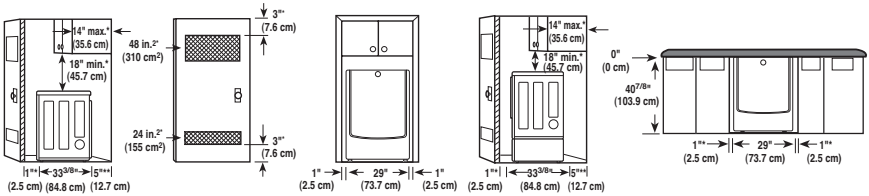
- A location that allows for proper exhaust installation. A gas dryer must be exhausted to the outdoors. See **Venting the dryer**.
- A grounded electrical outlet located within 2 ft. (61 cm) of either side of the dryer. See **Connecting Electric Dryers.**
- A sturdy floor to support the total dryer weight of 200 lbs (90.7 kg). The combined weight of a companion appliance should also be considered.
- No other fuel-burning appliance can be installed in the same closet as a dryer.

Do not operate your dryer at temperatures below 45°F (7°C). At lower temperatures, the dryer might not shut off at the end of an automatic cycle. This can result in longer drying times. The dryer must not be installed or stored in an area where it will be exposed to water and/or weather. Check code requirements. Some codes limit, or do not permit, installation of the dryer in garages, closets, mobile homes or sleeping quarters. Contact your local building inspector.

NOTE

- Floor must be level, with a maximum slope of 1 inch (2.5 cm) under entire dryer. Clothes may not tumble properly, and automatic sensor cycles may not operate correctly if dryer is not level.
- For a garage installation, you will need to place the dryer at least 18 inches (46 cm) above the floor. If using a pedestal, you will need 18 inches (46 cm) to the bottom of the dryer.

Clearances



INSTALLATION SPACING FOR RECESSED AREA OR CLOSET INSTALLATION

The following clearances are recommended for this dryer. Although this dryer has been tested for 1inch (2.5cm) clearance on the sides and rear, the recommended clearances should be considered for the following reasons:

- Additional clearance should be considered for ease of installation and servicing.
- Additional clearances might be required for wall, door and floor moldings.
- Additional clearance should be considered on all sides of the dryer to reduce noise transfer.

  For closet installation, with a door, minimum ventilation openings in the top and bottom of the door are required. Louvered doors with equivalent ventilation openings are acceptable.
- Companion appliance clearances should also be considered.

NOTE

There should be at least a little space around the dryer (or any other appliance) to eliminate the transfer of vibration from one to the other. With enough vibration, the appliances will make noise or touch each other causing paint damage and making even more noise.

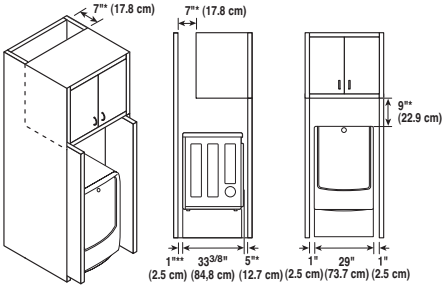
Clearances with Optional Pedestal Base

RECOMMENDED INSTALLATION SPACING FOR CABINET INSTALLATION

• For cabinet installation with a door, minimum ventilation openings in the top of the cabinet are required.

*Required spacing

**For side or bottom venting,
2 inches (5.1 cm) spacing is allowed.



Leveling the Dryer

⚠WARNING

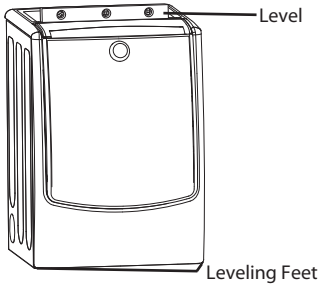
- **To reduce the risk of injury to persons, adhere to all industry recommended safety procedures including the use of long sleeved gloves and safety glasses.** Failure to follow this warning can cause serious injury or death.
- **The appliances are heavy. Two or more people are required when installing the dryer.** Failure to follow this warning can cause serious injury or death.

To ensure that the dryer provides optimal drying performance, it must be level. To minimize vibration, noise, and unwanted movement, the floor must be a perfectly level, solid surface.

NOTE

Adjust the leveling feet only as far as necessary to level the dryer. Extending the leveling feet more than necessary can cause the dryer to vibrate.

1. Position the dryer in the final location. Place a level across the top of the dryer.

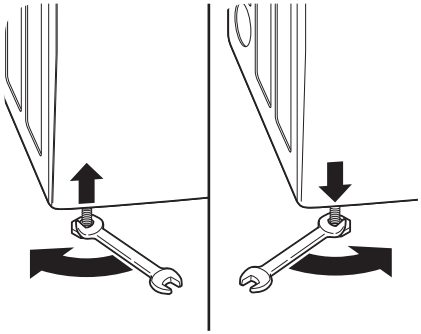


- All four leveling feet must rest solidly on the floor. Gently push on the top corners of the dryer to make sure that the dryer does not rock from corner to corner.

If you are installing the dryer on the optional pedestal, you must use the leveling feet on the pedestal to level the dryer. The dryer leveling feet should be fully retracted.

2. Use an adjustable wrench to turn the leveling feet. Turn clockwise to raise the dryer or counterclockwise to lower it. Raise or lower the leveling feet until the dryer is level from side to side and front to back.

Make sure that all four leveling feet are in firm contact with the floor.



Reversing the Door

⚠WARNING

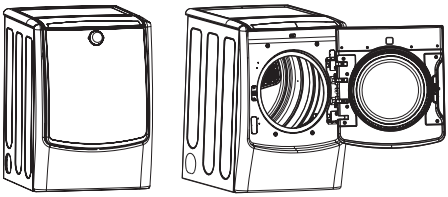
THE DRYER DOOR IS VERY LARGE AND HEAVY. Failure to follow the instructions below can result in damage to the dryer, property damage or injury to persons.

- **To avoid damage to the dryer or the door, support the door with a stool or box that fits under the door, or have an assistant support the weight of the door.**
- **Always reverse the door BEFORE stacking the dryer on top of the washer.**
- **Avoid dropping the door to avoid damage to the door or the floor.**

Tools Needed: flat blade screwdriver, Phillips screwdriver

Before Starting

1. Unplug the machine or turn off the power supply at the main circuit before reversing the door. Open the dryer door.

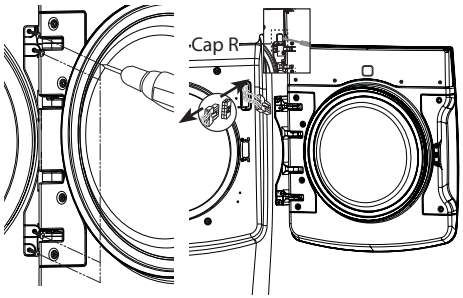


⚠WARNING

Be sure to support the weight of the door before removing the hinge screws.

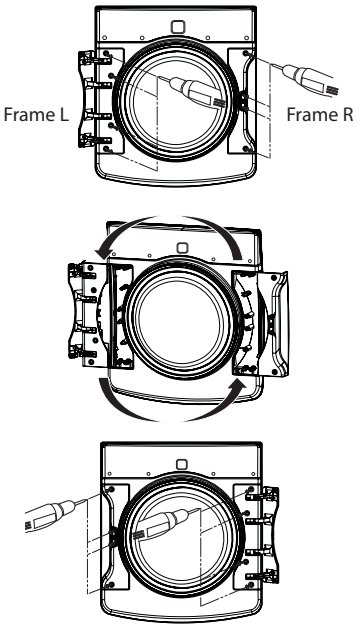
Removing the Door

1. While supporting the door, remove the four hinge screws.
2. Carefully pull the door away from the cabinet to reveal the wire harness behind the hinge at the top. Depress the side lock tab to disconnect the wire harness connector. The twist tie and cap should prevent the wire harness from pulling back into the cabinet.
3. Remove the door from the cabinet cover. Set the door face down on a protected work surface.



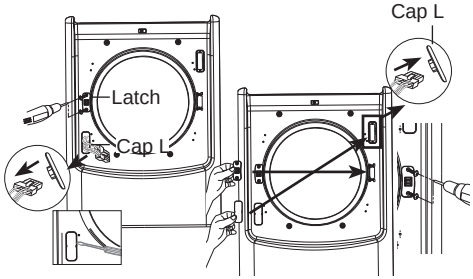
Reversing the Door's Hinge and Strike

1. Remove the four screws on the right door frame (handle and strike), lift it off, and set the parts aside. (The two center strike screws are longer.)
2. Remove the four screws on the left door frame (hinge assembly).
3. Carefully lift out the hinge assembly, revealing the wire harness connector at the top of the hinge. Depress the side lock tab to disconnect the wire harness connector.
4. Rotate the hinge assembly 180 degrees and connect the wire harness to the connector in the bottom right side of the door.
5. Install the hinge assembly in the recess on the right side of the door, tucking the wire harness in the corner to make room. Insert and tighten the four screws.
6. Rotate the handle removed in step one 180 degrees and install it on the left side of the door using the two shorter screws. Use the longer screws to mount the door strike in the center.



Reversing the Cabinet Components

1. Remove the two screws and the latch assembly from the left side of the opening.
2. Rotate the latch assembly and remount it on the right side of the opening with the two screws.
3. Switch the two caps. Untie the twist tie and remove the small cap from the side of the wire harness on the top right of the cabinet. Make sure the wire harness does not slip back into the cabinet.
4. Remove the left cap by gently prying it up with a flat blade screwdriver, being careful not to scratch the paint. Disconnect the wire harness attached to the cap by pressing the tabs on either side.
5. Attach the left cap to the wire harness on the top right of the cabinet. Snap the cap into place.
6. Attach the twist tie and the small cap removed in step 1 to the side of the wire harness on the bottom left of the cabinet. The wire harness will be attached to the harness in the door.
7. Unscrew the four decorative screws from the left side of the cabinet and insert them into the matching holes on the right side of the cabinet.

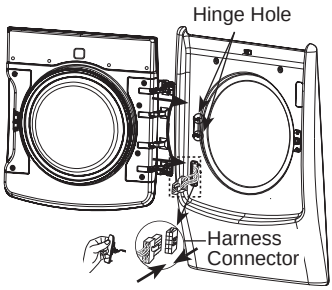


⚠WARNING

Be sure to support the weight of the door while inserting the hinge screws.

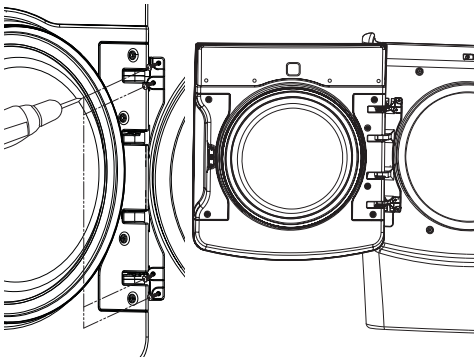
Preparing to Remount the Door

1. While supporting the door, move the door into position with the hinge on the left side.
2. Connect the wire harness from the hinge to the connector on the lower left side of the cabinet.



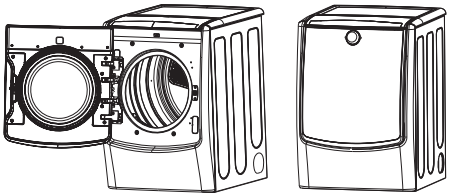
Mounting the Door

1. Align the hinge with the mounting holes.
2. While supporting the door, fasten the four hinge screws.



Final Check

1. Check that the door closes and latches properly.



Installing the Side Vent Kit

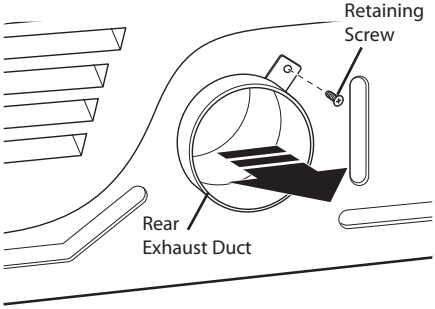
⚠WARNING

- **Use a heavy metal vent.**
- **Do not use plastic or thin foil duct.**
- **Clean old ducts before installing this dryer.**
- **To reduce the risk of injury to persons, adhere to all industry recommended safety procedures including the use of long sleeved gloves and safety glasses.**
- Failure to follow all of the safety warnings in this manual could result in property damage, injury to persons, or death.

Your new dryer is shipped to vent to the rear.
It can also be configured to vent to the bottom or side (right-side venting is not available on gas models).

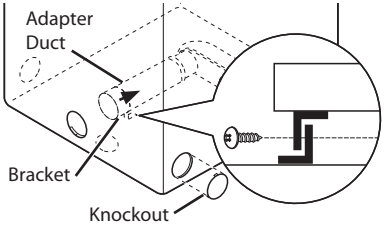
An adapter kit, part number **383EEL9001B**, may be purchased from an LG retailer. This kit contains the necessary duct components to change the dryer vent location.

1. Remove the rear exhaust duct retaining screw. Pull out the exhaust duct.

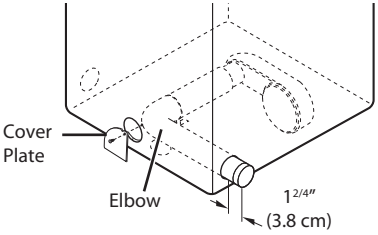


OPTION 1: SIDE VENTING

2. Press the tabs on the knockout and carefully remove the knockout for the desired vent opening (right-side venting is not available on gas models). Press the adapter duct onto the blower housing and secure to the base of the dryer as shown.

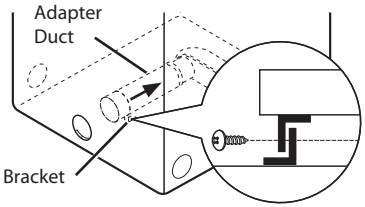


3. Preassemble a 4-inch (10.2 cm) elbow to the next 4-inch (10.2 cm) duct section, and secure all joints with duct tape. Be sure that the male end of the elbow faces AWAY from the dryer. Insert the elbow/duct assembly through the side opening and press it onto the adapter duct. Secure it in place with duct tape. Be sure that the male end of the duct protrudes 1½ inches (3.8 cm) to connect the remaining ductwork. Attach the cover plate to the back of the dryer with the included screw.

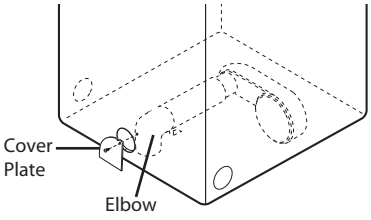


OPTION 2: BOTTOM VENTING

2. Press the adapter duct onto the blower housing and secure it to the base of the dryer as shown.



3. Insert the 4-inch (10.2 cm) elbow through the rear opening and press it onto the adapter duct. Be sure that the male end of the elbow faces down through the hole in the bottom of the dryer. Secure it in place with duct tape.
Attach the cover plate to the back of the dryer with the included screw.



Venting the Dryer

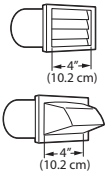
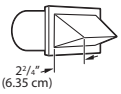
⚠WARNING

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

- **Do not crush or collapse ductwork.** Failure to follow these instructions can result in fire or death.
- **Do not allow ductwork to rest on or contact sharp objects.** Failure to follow these instructions can result in fire or death.
- **If connecting to existing ductwork, make sure it is suitable and clean before installing the dryer.** Failure to follow these instructions can result in fire or death.
- **Venting must conform to local building codes.** Failure to follow these instructions can result in fire or death.
- **Gas dryers MUST exhaust to the outdoors.** Failure to follow these instructions can result in fire or death.
- **Use only 4-inch (10.2 cm) rigid, semi-rigid, or flexible metal ductwork inside the dryer cabinet and for venting outside.** Failure to follow these instructions can result in fire or death.
- **To reduce the risk of fire, combustion, or accumulation of combustible gases, DO NOT exhaust dryer air into an enclosed and unventilated area, such as an attic, wall, ceiling, crawl space, chimney, gas vent, or concealed space of a building.** Failure to follow these instructions can result in fire or death.
- **To reduce the risk of fire, DO NOT exhaust the dryer with plastic or thin foil ducting.** Failure to follow these instructions can result in fire or death.
- **The exhaust duct must be 4 inches (10.2 cm) in diameter with no obstructions. The exhaust duct should be kept as short as possible. Make sure to clean any old ducts before installing your new dryer.** Failure to follow these instructions can result in fire or death.
- **Rigid or semirigid metal ducting is recommended for use between the dryer and the wall. In special installations when it is impossible to make a connection with the above recommendations, a UL-listed flexible metal transition duct may be used between the dryer and wall connection only. The use of this ducting will affect drying time.** Failure to follow these instructions can result in fire or death.
- **DO NOT use sheet metal screws or other fasteners which extend into the duct that could catch lint and reduce the efficiency of the exhaust system. Secure all joints with duct tape.** Failure to follow these instructions can result in fire or death.
- **To maximize operating results, please observe the duct length limitations noted in the chart on the next page.** Failure to follow these instructions can result in fire or death.
- **Ductwork is not provided with the dryer. You should obtain the necessary ductwork locally. The end cap should have hinged dampers to prevent backdraft when the dryer is not in use.** Failure to follow these instructions can result in fire or death.
- **The total length of flexible metal duct shall not exceed 8 ft. (2.4 m)**
- **In Canada, only those foil-type flexible ducts, if any, specifically identified for use with the appliance by the manufacturer shall be used.** In the United States, only those foil-type flexible ducts, if any, specifically identified for use with the appliance by the manufacturer and that comply with the Outline for Clothes Dryer Transition Duct, Subject 2158A, shall be used.

Venting the Dryer (cont.)

Ductwork

WALL CAP TYPE	NUMBER OF 90° ELBOWS	MAXIMUM LENGTH OF 4-INCH DIAMETER RIGID METAL DUCT
Recommended 	0	65 ft. (19.8 m)
	1	55 ft. (16.8 m)
	2	47 ft. (14.3 m)
	3	36 ft. (11.0 m)
	4	28 ft. (8.5 m)
Use only for short run installations 	0	55 ft. (16.8 m)
	1	47 ft. (14.3 m)
	2	41 ft. (12.5 m)
	3	30 ft. (9.1 m)
	4	22 ft. (6.7 m)

NOTE

Deduct 6 ft. (1.8 m) for each additional elbow. Use of more than four 90* elbows is not recommended.

ROUTING AND CONNECTING DUCTWORK

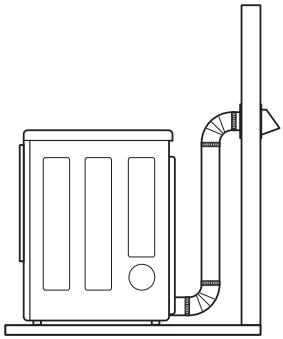
NOTE

Follow the guidelines below to maximize drying performance and reduce lint buildup and condensation in the ductwork.

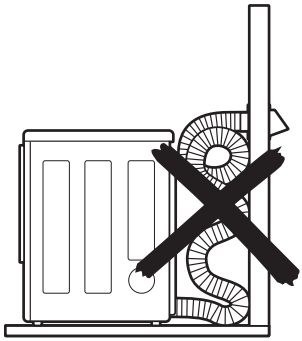
Ductwork and fittings are NOT included and must be purchased separately.

- Use 4-inch (10.2 cm) diameter rigid or semirigid metal ductwork.
- The exhaust duct run should be as short as possible.
- Use as few elbow joints as possible.
- The male end of each section of exhaust duct must point away from the dryer.
- Use duct tape on all duct joints.
- Insulate ductwork that runs through unheated areas in order to reduce condensation and lint buildup on duct surfaces.
- Failure to exhaust the dryer correctly will void the dryer's warranty.

CORRECT VENTING



INCORRECT VENTING



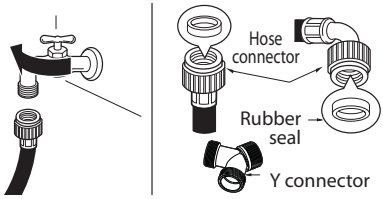
Connecting the Inlet Hose

The dryer must be connected to the cold water tap using the new water supply hose. Do not reuse old hoses.

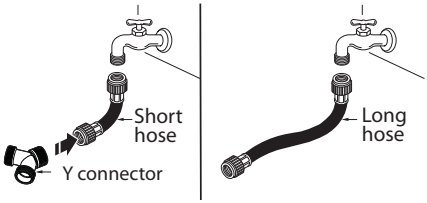
NOTE

- Water supply pressure must be between 20 psi and 120 psi (138–827 kPa).
- Do not strip or cross-thread when connecting the inlet hose to the valve.
- If the water supply pressure is more than 120 psi (827 kPa), a pressure reducing valve must be installed.
- Periodically check the condition of the hose and replace the hose if necessary.
- Replace inlet hoses after five years of use to reduce the risk of hose failure.
- Record hose installation or replacement dates on the hoses for future reference.

1. Check the rubber seal in the inlet hose. Two rubber seals are supplied with each inlet hose. They are used for preventing water leaks. Make sure the connection to the cold water tap is tight.



2. Check the installation type.



Connect all water supply hoses tightly by hand and then tighten another 2/3 turn with pliers.

WITH WASHER: When connecting the dryer to the same faucet as a washer.

a. Shut off the cold water tap and remove the washer hose.

b. Connect the short hose to the Y-connector using one of the rubber seals.

c. Connect the other end of the short hose to the cold water faucet.

d. Connect the long dryer hose to one side of theY-connector and connect the washer hose to the other side.

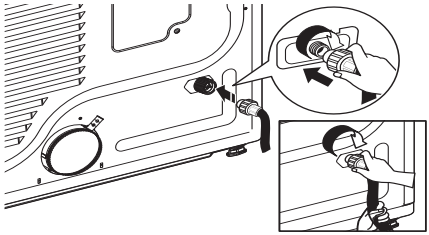
WITHOUT WASHER: If the dryer does not share the cold water tap with a washer.

a. Connect the straight end of the long hose to the cold water faucet.

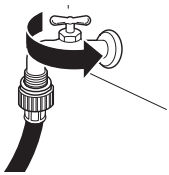
NOTE

- Before connecting the water line to the dryer, flush several gallons of water into a drain or bucket. This will help prevent foreign particles such as sand and scale from clogging the dryer inlet valve.
- Do not overtighten. Damage to the coupling can result.

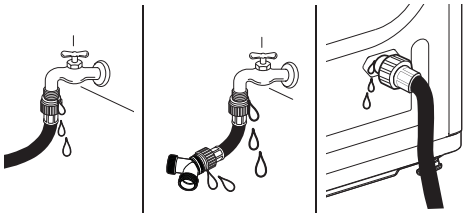
3. Connect the hose to the dryer.
- Connect the water supply hose to the dryer inlet valve tightly by hand and then tighten another 2/3 turn with pliers.
  Make sure that there are no kinks in the hoses and that they are not crushed.



4. Turn on the cold water faucet.



5. Check for leaks at the Y-connector (if used) and in all hoses.



NOTE

- If any leaks are found, shut off the water faucet, remove the hose and check the condition of the rubber seals.

Connecting Gas Dryers

⚠WARNING

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

- **Gas supply requirements:**
  As shipped from the factory, this dryer is configured for use with natural gas. It can be converted for use with LP (Liquefied Propane) gas. Gas pressure must not exceed 13 inches of water column.
- **A qualified service or gas company technician must connect the dryer to the gas service.** Failure to follow this warning can result in fire, explosion, or death.
- **Isolate the dryer from the gas supply system by closing its individual manual shutoff valve during any pressure testing of the gas supply.** Failure to do so can result in fire, explosion, or death.
- **Supply line requirements:**
  Your laundry room must have a rigid gas supply line to your dryer. In the United States, an individual manual shutoff valve MUST be installed within at least 6 ft. (1.8 m) of the dryer, in accordance with the National Fuel Gas Code ANSI Z223.1 or Canadian gas installation code CSA B149.1. A $\frac{1}{8}$-inch NPT pipe plug must be installed. Failure to do so can result in fire, explosion, or death.
- **If using a rigid pipe, the rigid pipe should be ½ - inch IPS. If acceptable under local codes and ordinances and when acceptable to your gas supplier, $\frac{3}{8}$ - inch approved tubing may be used where lengths are less than 20 ft. (6.1 m). Larger tubing should be used for lengths in excess of 20 ft. (6.1 m).** Failure to do so can result in fire, explosion, or death.
- **Connect the dryer to the type of gas shown on the nameplate.** Failure to do so can result in fire, explosion, or death.
- **To prevent contamination of the gas valve, purge the gas supply of air and sediment before connecting the gas supply to the dryer. Before tightening the connection between the gas supply and the dryer, purge remaining air until the odor of gas is detected.** Failure to do so can result in fire, explosion, or death.
- **DO NOT use an open flame to inspect for gas leaks. Use a noncorrosive leak-detection fluid.** Failure to do so can result in fire, explosion, or death.
- **Use only a new AGA- or CSA-certified gas supply line with flexible stainless steel connectors.** Failure to do so can result in fire, explosion, or death.
- **Securely tighten all gas connections.** Failure to do so can result in fire, explosion, or death.
- **DO NOT attempt any disassembly of the dryer; any disassembly requires the attention and tools of an authorized and qualified service person or company.** Failure to do so can result in fire, explosion, or death.
- **Use a pipe-joint compound that is insoluble in Liquefied Petroleum (LP) gas on all pipe threads.** Failure to do so can result in fire, explosion, or death.

Electrical requirements for gas models only

⚠WARNING

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

- **Do not, under any circumstances, cut or remove the third (ground) prong from the power cord.** Failure to follow this warning can result in fire, explosion, or death.
- **For personal safety, this dryer must be properly grounded.** Failure to follow this warning can result in fire, explosion, or death.
- **The power cord of this dryer is equipped with a 3-prong (grounding) plug which mates with a standard 3-prong (grounding) wall outlet to minimize the possibility of electric shock hazard from this appliance.** Failure to follow this warning can result in fire, explosion, or death.
- **This dryer must be plugged into a 60 Hz, 120 VAC, grounded outlet protected by a 15-ampere fuse or circuit breaker.** Failure to follow this warning can result in fire, explosion, or death.
- **Where a standard 2-prong wall outlet is encountered, it is your personal responsibility and obligation to have it replaced with a properly grounded 3-prong wall outlet.** Failure to follow this warning can result in fire, explosion, or death.

Connecting Gas Dryers (cont.)

⚠WARNING

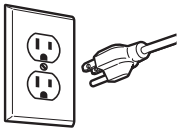
To reduce the risk of fire, electric shock, or injury to persons when using this appliance, follow basic precautions, including the following:

- **Installation and service must be performed by a qualified installer, service agency, or the gas supplier.** Failure to do so can result in fire, explosion, or death.
- **Use only a new stainless steel flexible connector and a new AGA-certified connector.** Failure to do so can result in fire, explosion, or death.
- **A gas shutoff valve must be installed within 6 ft. (1.8 m) of the dryer.** Failure to do so can result in fire, explosion, or death.
- **The dryer is configured for Natural Gas when shipped from the factory. Make sure that the dryer is equipped with the correct burner orifice for the type of gas being used (Natural Gas or Liquefied Petroleum).** Failure to do so can result in fire, explosion, or death.
- **If necessary, the correct orifice (For the LP orifice kit, order part number 383EEL3002D) should be installed by a qualified technician and the change should be noted on the dryer.** Failure to do so can result in fire, explosion, or death.
- **All connections must be in accordance with local codes and regulations**. Failure to do so can result in fire, explosion, or death.
- **Gas dryers MUST exhaust to the outdoors.** Failure to do so can result in fire, explosion, or death.

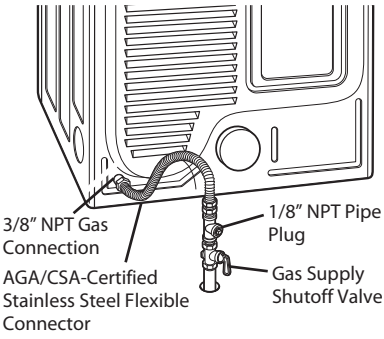
Connecting the gas supply

1. Make sure that the gas supply to the laundry room is turned OFF. Confirm that the type of gas available in your laundry room is appropriate for the dryer. The dryer is prepared for Natural Gas with a $^{3}/_{8}$ - inch NPT gas connection.
2. Remove the shipping cap from the gas connection at the back of the dryer. Be careful not to damage the threads of the gas connector when removing the shipping cap.
3. Connect the dryer to your laundry room's gas supply using a new flexible stainless steel connector with a $^{3}/_{8}$ - inch NPT fitting.
4. Securely tighten all connections between the dryer and your laundry room's gas supply. Turn on your laundry room's gas supply and check all pipe connections (both internal and external) for gas leaks with a noncorrosive leak-detection fluid.

Electrical connection



Plug dryer into a **120 VAC, 60 Hz** grounded 3-prong outlet.



High-altitude installations

The BTU rating of this dryer is AGA-certified for elevations below 10,000 feet.

If your gas dryer is being installed at an elevation above 10,000 feet, it must be derated by a qualified technician or gas supplier.

Connecting Electric Dryers

⚠WARNING

To help prevent fire, electric shock, serious injury, or death, the wiring and grounding must conform to the latest edition of the National Electrical Code, ANSI/NFPA 70 and all applicable local regulations. Please contact a qualified electrician to check your home's wiring and fuses to ensure that your home has adequate electrical power to operate the dryer.

Electrical requirements for electric models only

⚠WARNING

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

- **This dryer must be connected to a grounded metal, permanent wiring system, or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment-grounding terminal or lead on the dryer.** Failure to do so can result in fire, explosion, or death.
- **The dryer has its own terminal block that must be connected to a separate 240 VAC, 60-Hertz, single-phase circuit, fused at 30 amperes (the circuit must be fused on both sides of the line). ELECTRICAL SERVICE FOR THE DRYER SHOULD BE OF THE MAXIMUM RATE VOLTAGE LISTED ON THE NAMEPLATE. DO NOT CONNECT THE DRYER TO 110-, 115-, OR 120-VOLT CIRCUIT.** Failure to follow these instructions can result in fire, explosion, or death.
- **If branch circuit to dryer is 15 ft. (4.5 m) or less in length, use UL (Underwriters Laboratories) listed No.-10 AWG wire (copper wire only), or as required by local codes. If over 15 ft. (4.5 m), use UL-listed No.-8 AWG wire (copper wire only), or as required by local codes. Allow sufficient slack in wiring so dryer can be moved from its normal location when necessary.** Failure to do so can result in fire, explosion, or death.
- **The power cord (pigtail) connection between the wall receptacle and the dryer terminal block IS NOT supplied with the dryer. The type of pigtail and gauge of wire must conform to local codes and with instructions on the following pages.** Failure to follow these instructions can result in fire, explosion, or death.
- **A 4-wire connection is required for all mobile and manufactured home installations, as well as all new construction after January 1, 1996. A 4-wire connection must be used where local codes do not permit grounding through the neutral wire.** Failure to do so can result in fire, explosion, or death.

⚠WARNING

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

- **Do not modify the plug and internal wire provided with the dryer.**
- **The dryer should be connected to a 4-hole outlet.**
- **If it does not fit the outlet, a proper outlet will need to be installed by a qualified electrician.**

⚠WARNING

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

- **Any installation in a manufactured or mobile home must comply with the Manufactured Home Construction and Safety Standards Title 24 CFR, Part 3280 or Standard CAN/ CSA Z240 MH and local codes and ordinances.**
- **A 4-wire connection is required for all mobile and manufactured home installations, as well as all new construction after January 1, 1996.** Failure to do so can result in fire, explosion, or death.

Connecting Electric Dryers (cont.)

USA only

⚠WARNING

- **Connect the power cord to the terminal block. Connect each power cord wire to the terminal block screw that has the same colored wire. For example, connect the black power cord wire to the terminal block screw with the black wire. Failure to follow these instructions may result in a short, overload, fire or death.**

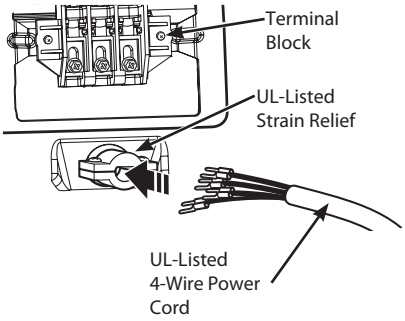
- **Grounding through the neutral conductor is prohibited for: (1) new branch-circuit installations, (2) mobile homes, (3) recreational vehicles, and (4) areas where local codes prohibit grounding through the neutral conductor.**



Four-wire connection for electric dryers: Power cord

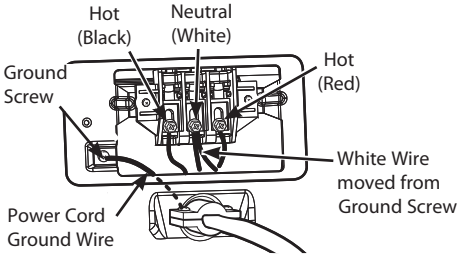
- A 4-wire connection is required for all mobile and manufactured home installations, as well as all new construction after January 1, 1996.
- A UL-listed strain relief is required.

1. Remove the terminal block access cover on the upper back of the dryer. Install a UL-listed strain relief into the power cord through-hole; then thread a UL-listed, **30 A, 240 V, 4-wire, #10 AWG-minimum copper** conductor power cord through the strain relief.



- **Use a 30 A, 240 V, UL-listed power cord with #10 AWG-minimum copper** conductor and closed loop or forked terminals with upturned ends.

2. Transfer the dryer's ground wire from behind the green ground screw to the center screw of the terminal block. Attach the two hot leads of the power cord to the outer terminal block screws. Attach the white neutral wire to the center terminal block screw. Attach the power cord ground wire to the green ground screw. **TIGHTEN ALL SCREWS SECURELY**. Reinstall the terminal block access cover.



Connecting Electric Dryers (cont.)
USA only

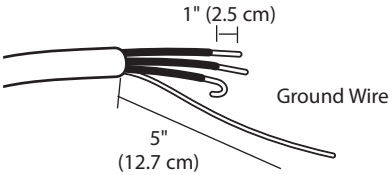
⚠WARNING

- **Connect the power cord to the terminal block. Connect each power cord wire to the terminal block screw that has the same colored wire. For example, connect the black power cord wire to the terminal block screw with the black wire. Failure to follow these instructions may result in a short, overload, fire or death.**
- **Grounding through the neutral conductor is prohibited for: (1) new branch-circuit installations, (2) mobile homes, (3) recreational vehicles, and (4) areas where local codes prohibit grounding through the neutral conductor.**

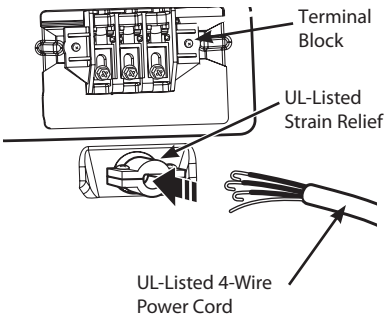
Four-wire connection for electric dryers: Direct wire

- A 4-wire connection is required for all mobile and manufactured home installations, as well as all new construction after January 1, 1996.
- A UL-listed strain relief is required.

1. Remove 5 inches (12.7 cm) of the outer covering from the wire. Remove 5 inches of insulation from the ground wire. Cut off approximately 1½ inches (3.8 cm) from the other three wires and strip 1 inch (2.5 cm) insulation from each wire. Bend the ends of the three shorter wires into a hook shape.

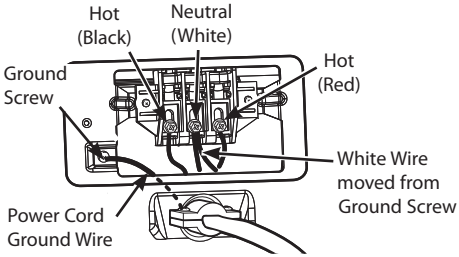


2. Remove the terminal block access cover on the upper back of the dryer. Install a UL-listed strain relief into the power cord through-hole; then thread the power cable prepared in Step 1 through the strain relief.



- Use UL-listed **4-wire #10 AWG-minimum copper** conductor cable.
- Allow at least 5 ft. (1.5 m) length to allow for removal and reinstallation of the dryer.

3. Transfer the dryer's ground wire from behind the green ground screw to the center screw of the terminal block. Attach the two hot leads of the power cable to the outer terminal block screws. Attach the white neutral wire to the center terminal block screw. Attach the power cable ground wire to the green ground screw. **TIGHTEN ALL SCREWS SECURELY**. Reinstall the terminal block access cover.



Connecting Electric Dryers (cont.)
USA only

⚠WARNING

- **Connect the power cord to the terminal block. Connect each power cord wire to the terminal block screw that has the same colored wire. For example, connect the black power cord wire to the terminal block screw with the black wire. Failure to follow these instructions may result in a short, overload, fire or death.**

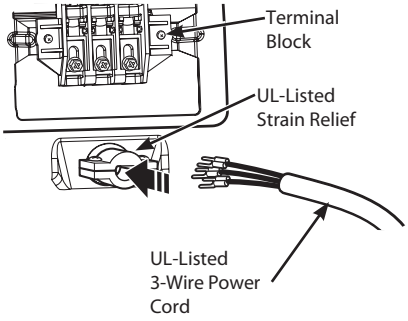
- **Grounding through the neutral conductor is prohibited for: (1) new branch-circuit installations, (2) mobile homes, (3) recreational vehicles, and (4) areas where local codes prohibit grounding through the neutral conductor.**



Three-wire connection for electric dryers: Power cord

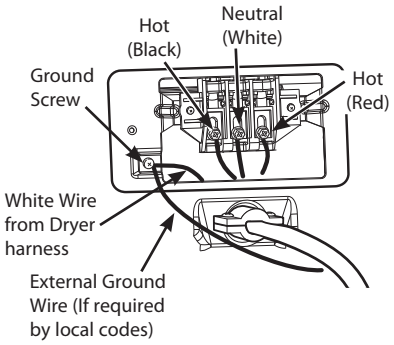
- A 3-wire connection is NOT permitted on new construction after January 1, 1996.
- A UL-listed strain relief is required.

1. Remove the terminal block access cover on the upper back of the dryer. Install a UL-listed strain relief into the power cord through-hole; then thread a UL-listed, **30 A, 240 V, 3-wire, #10 AWG-minimum copper** conductor power cord through the strain relief.



- Use a **30 A, 240 V, UL-listed power cord with #10 AWG-minimum copper** conductor and closed loop or forked terminals with upturned ends.

2. Attach the two hot leads of the power cord to the outer terminal block screws. Attach the neutral wire to the center terminal block screw. Connect the external ground (if required by local codes) to the green ground screw. **TIGHTEN ALL SCREWS SECURELY**. Reinstall the terminal block access cover.



Connecting Electric Dryers (cont.)
USA only

⚠WARNING

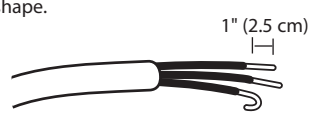
- **Connect the power cord to the terminal block. Connect each power cord wire to the terminal block screw that has the same colored wire. For example, connect the black power cord wire to the terminal block screw with the black wire. Failure to follow these instructions may result in a short, overload, fire or death.**

- **Grounding through the neutral conductor is prohibited for: (1) new branch-circuit installations, (2) mobile homes, (3) recreational vehicles, and (4) areas where local codes prohibit grounding through the neutral conductor.**

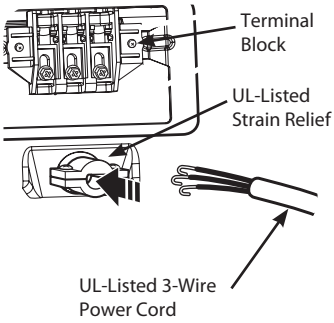
Three-wire connection for electric dryers: Direct wire

- A 3-wire connection is NOT permitted on new construction after January 1, 1996.
- A UL-listed strain relief is required.

1. Remove 3½ inches (8.9 cm) of the outer covering from the wire. Strip 1 inch (2.5 cm) insulation from each wire. Bend the ends of the three wires into a hook shape.

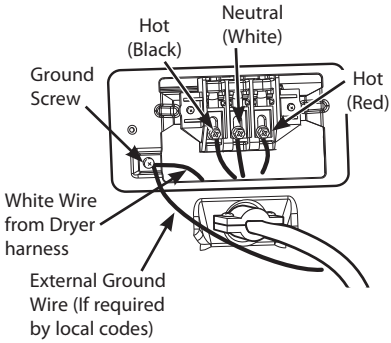


2. Remove the terminal block access cover on the upper back of the dryer. Install a UL-listed strain relief into the power cord through-hole; then thread the power cable prepared in Step 1 through the strain relief.



- Use UL-listed **3-wire #10 AWG-minimum copper** conductor cable.
- Allow at least 5 ft. (1.5 m) length to allow for removal and reinstallation of the dryer.

3. Attach the two hot leads of the power cord to the outer terminal block screws. Attach the neutral wire to the center terminal block screw. Connect the external ground (if required by local codes) to the green ground screw. **TIGHTEN ALL SCREWS SECURELY**. Reinstall the terminal block access cover.



Special Requirements for Manufactured or Mobile Homes

Any installation in a manufactured or mobile home must comply with the Manufactured Home Construction and Safety Standards Title 24 CFR, Part 3280 or Standard CAN/CSA Z240 MH and local codes and ordinances. If you are uncertain whether your proposed installation will comply with these standards, please contact a service and installation professional for assistance.

- A gas dryer must be permanently attached to the floor.
- The electrical connection for an electric dryer must be a 4-wire connection. More detailed information concerning the electrical connection is provided in the section Connecting Electric Dryers.
- To reduce the risk of combustion and fire, the dryer must be vented to the outside.
- DO NOT vent the dryer under a manufactured home or mobile home.
- Electric dryers may be vented to the outside using the back, left, right, or bottom panel.
- Gas dryers may be vented to the outside using the back, left, or bottom panel. Gas dryers may not be vented to the outside using the right side panel because of the burner housing.
- The dryer exhaust duct must be affixed securely to the manufactured or mobile home structure, and the exhaust duct must be made of a material that will resist fire and combustion.
  It is recommended that you use a rigid, semi-rigid, or flexible metal duct.
- DO NOT connect the dryer exhaust duct to any other duct, vent, chimney, or other exhaust duct.
- Make sure the dryer has adequate access to outside fresh air to ensure proper operation. The opening for outside fresh air must be at least 25 in^2 (163 cm^2).
- It is important that the clearance of the duct from any combustible construction be at least 2 inches (5 cm), and when venting the dryer to the outdoors, the dryer can be installed with a clearance of 1 inch (2.5 cm) at the sides and back of the dryer.
- Please be aware that venting materials are not supplied with the dryer. You should obtain the venting materials necessary for proper installation.

Final Installation Check

Once you have completed the installation of the dryer and it is in its final location, confirm proper operation with the following tests and the Installation Test (Duct Check) on the following page.

Testing Dryer Heating

GAS MODELS
Close the dryer door, press the ON/OFF button to turn the dryer on, and start the dryer on a heat setting. When the dryer starts, the igniter should ignite the main burner.

> **NOTE**
> If all air is not purged from the gas line, the gas igniter may turn off before the main burner ignites. If this happens, the igniter will reattempt gas ignition after approximately two minutes.

ELECTRIC MODELS
Close the dryer door, press the ON/OFF button to turn the dryer on, and start the dryer on a heat setting. The exhaust air should be warm after the dryer has been operating for 3 minutes.

Checking Airflow
Effective dryer operation requires proper airflow. The adequacy of the airflow can be measured by evaluating the static pressure. Static pressure in the exhaust duct can be measured with a manometer, placed on the exhaust duct approximately 2 ft. (60.9 cm) from the dryer.
Static pressure in the exhaust duct should not exceed 0.6 inches (1.5 cm). The dryer should be checked while the dryer is running with no load.

Checking Levelness
Once the dryer is in its final location, recheck the dryer to be sure it is level. Make sure it is level from front to back and side to side, and that all four leveling feet are firmly on the floor.

Installation Test (Duct Check)

Once you have completed the installation of the dryer, use this test to make sure the condition of the exhaust system is adequate for proper operation of the dryer. This test should be performed to alert you to any serious problems in the exhaust system of your home.

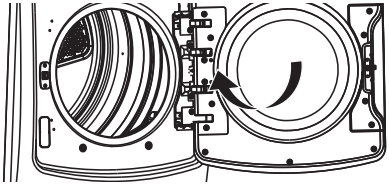
- Your dryer features FLOW SENSE™, an innovative sensing system that automatically detects blockages and restrictions in dryer ductwork. Keeping ductwork clean of lint buildup and free of restrictions allows clothes to dry faster and reduces energy use.

NOTE

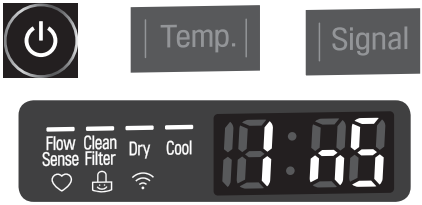
The dryer should be cool before starting this test. If the dryer was warmed up during installation, run the AIR DRY cycle for a few minutes to reduce the interior temperature.

To activate the Installation test:

1. **Remove the drying literature, and then close the door.**
   Do not load anything in the drum for this test, as it may affect the accuracy of the results.



2. **Press and hold the SIGNAL ON/OFF and TEMP. buttons and then press the POWER button.** This button sequence activates the installation test. The code InS will display if the activation is successful.



3. **Press the Hold to Start button.**
   The dryer will start the test, which will last about two minutes. The heat will be turned on and the temperatures in the drum will be measured.



4. **Check the display for results.**
   During the two minute test cycle, monitor the FLOW SENSE™ display on the control panel. If the Flow Sense indicator text lights up, the exhaust system is restricted. If the indicator text remains dark, the exhaust system is adequate.
   Other problems may also be shown with error codes. Refer to the next page for error code details and solutions.



DARK: OK — LIGHTED: RESTRICTED

Have the system checked immediately, as performance will be poor.

5. **End of cycle.**
   At the end of the test cycle, End will display. The test cycle will end and the dryer will shut off automatically after a short delay.



Installation Test (Duct Check) (cont.)

• Check the Error Code before you call for service

Error Code	Possible Causes	Solutions
tE1 *or* **tE2**	• Temperature sensor failure	• Turn off the dryer and call for service.
HS	• Humidity Sensor failure.	• Turn off the dryer and call for service.
PS *or* **PF** *or* **nP**	• Electric dryer power cord is not connected correctly, or house power supply is incorrect. • House fuse is blown, circuit breaker has tripped, or power outage has occurred.	• Check the power supply or the connection of power cord to the terminal block. Refer to the **Connecting electric dryers** section of this manual for complete instructions. • Reset circuit breaker or replace fuse. Do not increase the fuse capacity. If the problem is a circuit overload, have it corrected by a qualified electrician.

• **Check the duct condition**
If the FLOW SENSE™ LED is turned on, check the exhaust system for restrictions and damage. Repair or replace the exhaust system as needed.

NOTE

When the dryer is first installed, this test should be performed to alert you to any existing problems with the exhaust duct in your home. However, since the test performed during normal operation provides more accurate information on the condition of the exhaust duct than does the installation test, the number of bars displayed during the two tests may not be the same.

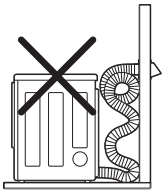
Do not interrupt the test cycle, as this could result in inaccurate results.

Even if no bars are displayed during the test cycle, some restrictions may still be present in the exhaust system. Refer to the Venting the Dryer section of this manual for complete exhaust system and venting requirements.

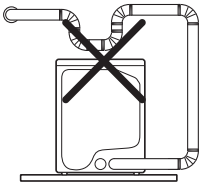
Your dryer features Flow Sense™, an innovative sensing system that automatically detects blockages and restrictions in dryer ductwork. Keeping ductwork clean of lint buildup and free of restrictions allows clothes to dry faster and reduces energy use.

Restricted or Blocked Airflow

Avoid long runs or runs with multiple elbows or bends.

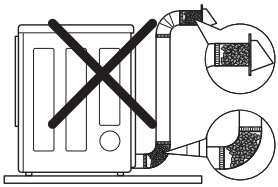


Excess or crushed transition duct



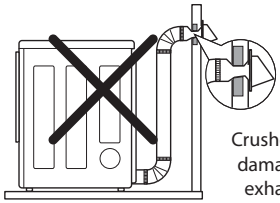
Too many elbows or exhaust too long

Check for blockages and lint buildup.



Lint buildup or blockage

Make sure the ductwork is not crushed or restricted.

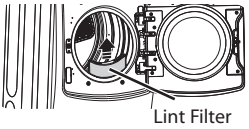


Crushed or damaged exhaust

OPERATION

Operating the Dryer

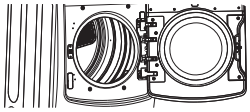
1



CLEAN THE LINT FILTER

If the lint filter has not already been cleaned, lift out the filter and remove the lint from the last load. This will help ensure the fastest and most efficient drying performance.

2



LOAD THE DRYER

Load the dryer with the wet laundry from the washer. If the load is extra large, you may need to divide it into smaller loads for proper performance and fabric care.

3



TURN ON THE DRYER

Press the POWER button to turn on the dryer. The cycle LEDs illuminate and a signal sounds, if turned on. Refer to page 12.

4



SELECT A CYCLE

Turn the cycle selector knob in either direction until the LED for the desired cycle is on. The preset temperature, dry level, and option settings for that cycle will be shown. Refer to page 35. Default settings for the selected cycle can now be changed if desired. This can be done using the cycle modifier buttons as shown on page 38. Cycle options can be added using the option buttons as shown on page 38-41.

NOTE

Not all options or modifiers are available on all cycles. A different chime will sound and the LED will not come on if the selection is not allowed.

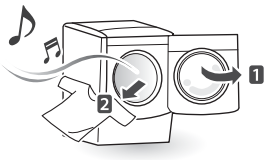
5



BEGIN CYCLE

Press the Hold to Start button to begin the cycle. The cycle can be paused at any time either by opening the door or by pressing the Hold to Start button. If the cycle is not restarted within 4 minutes, the dryer will shut off and the cycle settings will be lost.

6



END OF CYCLE

When the cycle is finished, the chime will sound if it is set. Remove your clothing from the dryer immediately to reduce wrinkling. If WRINKLE CARE is selected, the dryer will tumble briefly every few minutes to help prevent wrinkles from setting in the clothes.

Cycle Guide

= default setting

○ = allowable option

Cycle	Fabric Type	Dry Level	Temperature	Time	More Time/ Less Time	Wrinkle Care	Turbo Steam	Damp Dry Signal	Energy Saver
Steam Fresh™	comforters, shirts, trousers (except especially delicate fabrics)	Off	Mid High	10	○	○	○		
			Adjustable	Adjustable					
Steam Sanitary™	comforters, bedding, children's clothing	Off	High	31		○	○		
Anti Bacterial	Do not use this cycle with delicate fabrics.	Very	High	1:10		○			
LowTemp Dry		Normal	High	50		○			
		Adjustable							
Bedding	comforters, pillows, shirts	Normal	Medium	55					
		Adjustable							
Heavy Duty	jeans, heavyweight items	Normal	High	54		○	○	○	
		Adjustable							
Normal	work clothes, corduroys, etc.	Normal	Medium	41		○	○	○	○
		Adjustable							
Jumbo Dry	comforters, pillows, shirt	Normal	Medium	1:25		○			
		Adjustable							
Perm. Press	permanent press, synthetic items	Normal	Low	32		○	✱	○	
		Adjustable							
Delicates	lingerie sheets, blouses	Normal	Low	28		○		○	
		Adjustable							
Towels	denim, towels, heavy cottons	Normal	Mid High	55		○		○	
		Adjustable							
Speed Dry	For small loads with short drying times	Off	High	25	○	○			
			Adjustable	Adjustable					
Air Dry	For items that require heat-free drying such as plastics or rubber	Off	Off	30	○	○			
				Adjustable					

✱ TurboSteam can only be selected if the Very or More dry level is selected.

Sensor Dry Cycles

Sensor Dry cycles utilize LG's unique dual sensor system to detect and compare the moisture level in clothes and in the air and adjust the drying time as needed to ensure superior results. The dryer automatically sets the dryness level and temperature at the recommended setting for each cycle. The estimated time remaining will be shown in the display.

NOTE

To protect your garments not every dryness level, temperature, or option is available with every cycle. See the Cycle Guide for details.

Manual Dry Cycles

Use Manual Dry cycles to select a specific amount of drying time and a drying temperature. When a Manual Dry cycle is selected, the ESTIMATED TIME REMAINING display shows the actual time remaining in your cycle. You can change the actual time in the cycle by pressing MORE TIME or LESS TIME.

CERTIFIED BY NSF/P154

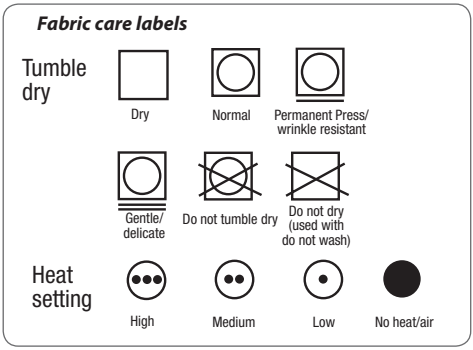
NSF International (formerly the National Sanitation Foundation), certifies that the **Anti Bacterial** cycle reduces 99.9% of bacteria on laundry, and none of the bacteria will carry over onto the next laundry load.

- The default settings for the **Anti Bacterial** cycle are **High** temperature and **Very Dry**. These default settings cannot be changed.
- Do NOT use this cycle with delicate items or fabrics.

Sorting Loads

Fabric care labels

Most articles of clothing feature fabric care labels that include instructions for proper care.



Grouping Similar Items

For best results, sort clothes into loads that can be dried with the same drying cycle.
Different fabrics have different care requirements, and some fabrics will dry more quickly than others.

Loading the Dryer

⚠WARNING

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

- **Check all pockets to make sure that they are empty. Items such as clips, pens, coins, and keys can damage both your dryer and your clothes. Flammable objects such as lighters or matches could ignite, causing a fire.** Failure to do so can result in fire, explosion, or death.
- **Never dry clothes that have been exposed to oil, gasoline, or other flammable substances. Washing clothes will not completely remove oil residues.** Failure to obey this warning can result in fire, explosion, or death.

NOTE

Loading tips

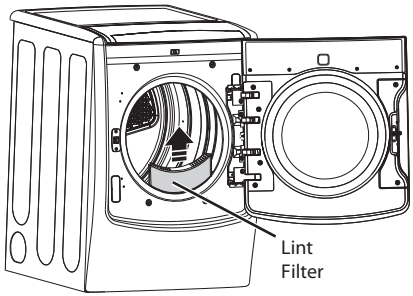
- Combine large and small items in a load.
- Damp clothes will expand as they dry. Do not overload the dryer; clothes require room to tumble dry properly.
- Close zippers, hooks, and drawstrings to prevent these items from snagging or tangling on other clothes.

Check the Lint Filter before Every Load

Always make sure the lint filter is clean before starting a new load; a clogged lint filter will increase drying times.

To clean, pull the lint filter straight up and roll any lint off the filter with your fingers. Do not rinse or wash the filter to remove lint. Push the lint filter firmly back into place. See **Regular Cleaning** for more information.

Always ensure the lint filter is properly installed before running the dryer. Running the dryer with a loose or missing lint filter will damage the dryer and articles in the dryer.

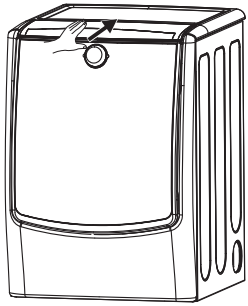


Storage Under the Lid

· Under the lid are three small storage spaces.
· To open the lid, slide it back.

⚠WARNING

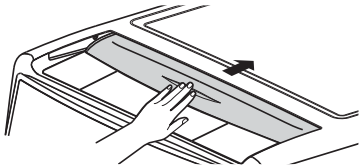
Do not store flammable substances or adhesives under the lid.



Using the Lid

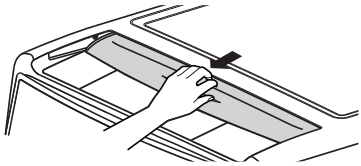
Opening the lid

- Push the front handle to slide the lid open.



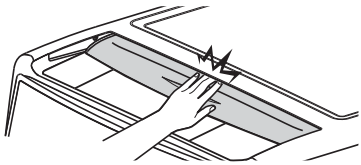
Closing the lid

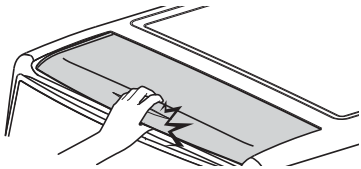
- Pull the top of the handle to slide the lid closed.



⚠ WARNING

- To avoid injury, do not place fingers under the lid or between the lid and the cabinet when pressing or sliding the detergent dispenser lid open or closed.







Cycle Modifier Buttons

SENSOR DRY cycles have preset settings that are selected automatically. MANUAL DRY cycles have default settings, but you may also customize the settings using the cycle modifier buttons.
Press the button for that option to view and select other settings.

> **NOTE**
> To protect your garments, not every dryness level, temperature, or option is available with every cycle. See the Cycle Guide for details.

DRY LEVEL

Selects the level of dryness for the cycle. Press the DRY LEVEL button repeatedly to scroll through available settings.

- This option is only available with SENSOR DRY cycles.
- The dryer will automatically adjust the cycle time. Selecting MORE or VERY increases the cycle time, while LESS or DAMP decreases the cycle time.
- Use a LESS or DAMP setting for items that you wish to iron.

TEMP.

Adjusts the temperature setting from ULTRA LOW to HIGH. This allows precise care of your fabrics and garments. Press the TEMP. button repeatedly to scroll through available settings.

TIME DRY

Allows you to manually select the drying time, from 20 to 60 minutes, in 10-minute increments. Use this for small loads or to remove wrinkles. Use the MORE TIME/ LESS TIME buttons to add or reduce the drying time in 1-minute increments.

Your dryer features several additional cycle options to customize cycles to meet your individual needs. Certain option buttons also feature a special function (see the following page for details) that can be activated by pressing and holding that option button for 3 seconds.

To Add Cycle Options to a Cycle:

1. Turn on the dryer and turn the cycle selector knob to select the desired cycle.
2. Use the cycle modifier buttons to adjust the settings for that cycle.
3. Press the cycle option button(s) for the option you would like to add. A confirmation message is shown in the display.
4. Press the Hold to Start button to start the cycle. The dryer starts automatically.

SIGNAL

Adjusts the volume of the Signal or turns off the Signal. Press the button repeatedly until the desired volume setting is illuminated.

Special Functions

The option buttons also activate special functions, including CHILD LOCK.
Select the option by pressing the option button. Press and hold the option button to select special features marked with the asterisk (*), such as Child Lock.

**** CHILD LOCK***

Use this option to prevent unwanted use of the dryer or to keep cycle settings from being changed while the dryer is operating.
Press and hold the button for 3 seconds to activate or deactivate the CHILD LOCK function.

The CHILD LOCK icon is shown in the display, and all controls are disabled except the POWER button.

NOTE

Once set, CHILD LOCK remains active until it is manually deactivated. CHILD LOCK must be turned off to run another cycle.
To deactivate CHILD LOCK, press and hold the button for three seconds.

DAMP DRY SIGNAL

With this option, the dryer signals when the load is approximately 80% dry. This allows you to remove faster- drying lightweight items or items that you would like to iron or hang while still slightly damp. Press the DAMP DRY SIGNAL button.

WRINKLE CARE

Selecting this option will tumble the load periodically for up to 3 hours after the selected cycle, or until the door is opened. This is helpful in preventing wrinkles when you are unable to remove items from the dryer immediately.

ENERGY SAVER

This option helps to reduce the energy consumption in the Normal cycle, depending on the load size.
When the Energy Saver option is selected, the cycle begins with an air dry section and the drying time is increased.

SMART GRID

Lower your energy costs when you dry your clothes by avoiding peak usage times. See the Smart Connectivity section for more information.

****REMOTE START***

Use a smart phone to control the dryer remotely. See the Smart Connectivity section for more information.

Custom Program

If you have a special combination of settings that you use frequently, you can save these settings as a CUSTOM PROGRAM.

To Save a Custom Program:

1. Turn on the dryer and turn the cycle selector knob to select the desired cycle.
2. Use the cycle modifier buttons to adjust the settings for that cycle.
3. Press the cycle option button(s) for the option you would like to add. A confirmation message will be shown in the display.
4. Press and hold the PGM Save button for 3 seconds.

NOTE

You may save only one custom program at a time. Pressing and holding the PGM Save button will overwrite any previously saved custom program.

Recalling a Custom Program

1. Turn on the dryer.
2. Press the CUSTOM PGM button.
3. Press the Hold to Start button to start the cycle.

Steam Functions

LG's new steam technology allows you to inject fabrics with a swirling jet of hot steam to refresh clothes. Simply select the STEAM FRESH™ cycle, or you can add a steam option to selected cycles.

The STEAM FRESH™ Cycle

STEAM FRESH™ uses the power of steam to quickly reduce wrinkles and odor in fabrics. It brings new life to wrinkled clothes that have been stored for an extended time and makes heavily wrinkled clothes easier to iron. STEAM FRESH™ can also be used to help reduce odors in fabrics.

NOTE

- The TurboSteam option is activated by default when the Steam Fresh™ or Steam Sanitary™ cycles are selected.
- Depending on the load (quantity of items), you may change the amount of time for the cycle by pressing the MORE TIME or LESS TIME button. The display will show 1, 3, 5, or bI 9. 3 means 3 or fewer items, 5 is for 4 or 5 items, and bI 9 indicates a large load such as a comforter.

Using the STEAM FRESH™ Cycle

1. Turn on the dryer and turn the cycle selector knob to select the STEAM FRESH ™ cycle.
2. To add an option function, select TurboSteam, or WRINKLE CARE.
3. Depending on the load (quantity of items), steam time can be changed by pressing the MORE TIME or LESS TIME buttons.
4. Press Hold to Start to start the cycle.

Adding STEAM to a Standard Cycle

1. Turn on the dryer and turn the cycle selector knob to select the Normal, Perm. Press, or Heavy Duty cycle.
2. Use the cycle modifier buttons to adjust the settings for that cycle.
3. Press the TurboSteam button.
4. Press Hold to Start to start the cycle.

NOTE

- After the TurboSteam option is selected in TIME DRY, the MORE TIME or LESS TIME buttons will change the steam time ONLY.
- After pressing Hold to Start, the MORE TIME or LESS TIME buttons are disabled.

The STEAM SANITARY™ Cycle

The STEAM SANITARY™ cycle is ideal for sanitizing non-washable items quickly and easily using only steam. This cycle is recommended for use with cotton and polyester materials only. (Do NOT use for urethane foam, down feathers or delicate items)

Steam Functions (cont.)

⚠WARNING

- **Do not open the dryer door during steam cycles.** Failure to follow this warning can cause serious injury or death.
- **Do not touch the steam nozzle in the drum during or after the steam cycle.** Failure to follow this warning can cause serious injury or death.

NOTE

- Steam may not be clearly visible during the steam cycles. This is normal.
- Do not use Steam Fresh™ with items such as wool clothing or blankets, leather jackets, silk, wet clothes, lingerie, foam products, or electric blankets.
- For best results, load articles of similar size and fabric type. Do not overload.
- When the filter/duct is clogged, the steam option may not have optimal results.
- When the steam function is operating, the drum will stop to allow steam to stay in the drum.

Steam Cycle Guide

	Steam	Default Time	Temp.	Dry Level	Fabric State	Fabric Type	Maximum Amount
Steam Sanitary™		31 minutes			Dry	Comforter Bedding	Single (1 each)
						Children's clothing	3 lbs.
Steam Fresh™		10 minutes	Å		Dry	Comforter	Single (1 each)
						Shirts*	5 each
Steam Option	**+ Turbo Steam**	Follows Selected Cycle		Å	Wet	Varies by selected cycle	8 lbs. (18 Items)

*Shirt: 70% cotton/30% poly blend. Except especially delicate fabrics.

- When the lint filter or exhaust duct is clogged, steam options will not give proper results.
- For best results, load articles of similar size and fabric type. Do not overload.

SMART APPLIANCE CONNECTIVITY

Connectivity Overview

This smart appliance offers options for how you do laundry. Once it is connected to the internet through a home Wi-Fi network, you can check the progress of a cycle and control the appliance remotely with the LG Smart Laundry application for your smart phone.

The application can be set up to send push notifications when the cycle is complete or the appliance has problems. It also provides a list of extra cycles available for download, and helps to troubleshoot problems by recording and analyzing data from the appliance. The appliance has Smart Grid capability for areas where the utility company has installed Smart Grid equipment. This feature adjusts the appliance operating times based on when electricity prices are lower or delays operation when the demand for electricity is high.

Connectivity Setup

Install LG Smart Laundry application

1. Run the Google Play Store on an Android smart phone.
2. Search for LG Smart Laundry.
3. Press LG Smart Laundry on the resulting list.
4. Press INSTALL and ACCEPT to automatically install the application. You can also check the progress through the smart phone.
5. When the installation is complete, touch the icon to access the application.

• LG Smart Laundry application for iOS devices will be supported later.

Profile Setup (ID and Password setup)

You can skip these steps if you already have an LG account at http://us.smartthinQ.com

1. Run the LG Smart Laundry application on a smart phone.
2. Select Login at the bottom of the screen.
3. Select *Create an account* at the bottom of the screen.
4. On the next page, agree to the Terms and Conditions, Privacy Policy, and LG Account Terms and Conditions. After selecting *I agree*, press Confirm.
5. Next, in the e-mail box, enter your email address. This will be your user ID. You will receive a confirmation email for activating the account at that email address.
6. Enter a password. Passwords are case sensitive. The password should be 6-12 characters. Remember your ID and password. They will be used on the LG Smart Laundry application to use Smart Appliance Connectivity functions.
7. Enter your name.
8. Enter your mobile number.
9. Press the Subscribe button. The system will send you an email containing a link to confirm your identity for the account.
10. Press the CONFIRM button in the confirmation email, and the website will display a confirmation page. Your account is not set up.

Product Registration and Wi-Fi Setup

1. Run the LG Smart Laundry application on a smart phone.
2. Select Smart Appliance.
3. Select Dryer.
   - If you see a pop-up message about NFC, press the Cancel button.
4. Press the Wi-Fi model button at the bottom of the screen.
5. Enter the email ID and password you registered. If you don't have an account at http://us.smartthinQ.com, press the Create an Account button and create a user ID and password.
6. Select the Login button.
7. On the next page, the application shows the Wi-Fi network list. Select your home network. If your network requires a key, enter the password and select the Connect button.
8. If the application successfully connects to the home network, turn on the dryer and then press and hold the Wi-Fi Connect button on the dryer for three seconds. After powering on the dryer, do not press any other buttons before pressing and holding the Wi-Fi Connect button. The Wi-Fi connection indicator on the dryer blinks to indicate the machine is connecting.

9. The application now works to connect the appliance and register it as a Wi-Fi product. A notification appears when the dryer is successfully set up and the product registration and Wi-Fi setup is complete. The Wi-Fi connection indicator illuminates when the machine connects to the home network.

NOTE

- The machine supports 2.4 GHz Wi-Fi networks only.
- Use the Settings menu in the application to register or change the machine. Select Settings > Change Product > Add Product and then follow steps 2–9 above.
- If the router or the router's password is changed, select Settings > Change Product > Add Product and then follow steps 2–9 above.
- 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.
- This information is current at the time of publication. The application is subject to change for product improvement purposes without notice to users.

Smart ThinQ

Remote Start

Use a smart phone to control the appliance remotely. Or monitor the cycle operation to see the remaining time left in the cycle.

NOTE

- You must first connect to a gateway and register your appliance in order to use the Remote Start function.
- The Remote LED on the control panel should be illuminated.

Using Remote Start

1. Press and hold the Remote Start button. The Remote LED on the control panel is illuminated if the appliance is connected to a Wi-Fi network.
2. Start a cycle from the application on a smart phone. If the cycle is not started, the machine will wait to start the cycle until it is turned off remotely from the application or the Remote Start mode is disabled.

NOTE

- Cycles and options cannot be selected at the appliance when the machine is in Remote Start mode.
- Press and hold the Remote Start button again to enable the Remote Start mode when the appliance is turned off or the Remote Start mode is released.

Smart Grid

Reduce energy costs from drying clothes by avoiding peak usage periods, with information supplied by your local electric utility company.

If your utility company has equipped your home with Smart Grid technology, you will need to contact the utility company for information regarding the Smart Grid features.

NOTE

- When Smart Grid is enabled, you may experience delays or extended cycle times during peak usage periods.

NOTE

- You must first connect to a gateway and register your appliance in order to use the Smart Grid function.

Download Cycle

The Download Cycle features of this appliance allow you to download new and special cycles that are not included in the basic cycles on the appliance.

Appliances that have been successfully registered can download a variety of specialty cycles specific to the appliance.

Only one cycle can be stored on the appliance at a time.

Once Cycle Download is completed in the dryer, the product keeps the downloaded cycle until you change it to a new download cycle.

NOTE

- You must first connect to a gateway and register your appliance in order to use the Download cycle function.

Smart Diagnosis™

Use your phone to record the Smart Diagnosis™ signal if you have problems with your appliance.
The application can analyze the signal and help you solve the problem without waiting for a technician.

Cycle Set

Cycle Set helps you choose the best cycle and settings based on your laundry needs.
Once you have selected your cycle based on the Cycle Set guide, the cycle and settings will be automatically set.

NOTE

- Cycle Set function can be enabled when the Remote Start button is activated.

Laundry Stats

Laundry Stats will tell you basic stats about your appliance such as your cycle history and basic maintenance timing.
Select Laundry Stats in the application to get the stats and find out the dryer's vent status.

NOTE

- You must first connect to a gateway and register your appliance in order to use the Laundry Stats function.

Smart Message

When the cycle is complete or the appliance has problems, you have the option of receiving push notifications on your smart phone.

NOTE

- You must first connect to a gateway and register your appliance in order to use the Smart Message function.

Energy Monitoring

Your dryer energy usage is affected by the cycle and options so you may see some changes in energy usage from one cycle to another.

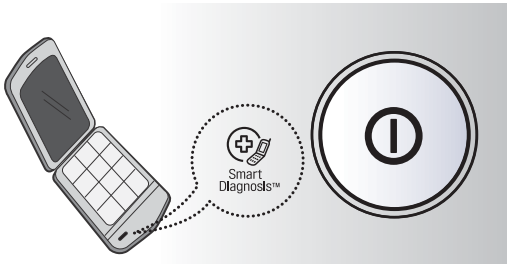
NOTE

- You must first connect to a gateway and register your appliance in order to use the Energy Monitoring function.

USING Smart Diagnosis™

Should you experience any problems with your dryer, it has the capability of transmitting data to your Smart Phone using the LG Smart Laundry Application or via your telephone to the LG call center.
Smart Diagnosis™ cannot be activated unless your dryer is turned on by pressing the Power button. If your dryer is unable to turn on, then troubleshooting must be done without using Smart Diagnosis™.

Audible Diagnosis



Smart Diagnosis™ Using Your Smart Phone

1. Download the LG Smart Laundry application on your smart phone.
2. Open the LG Smart Laundry application on your smart phone. Press the right arrow button to advance to the next screen.
3. Press the Record button on the smart phone and then hold the mouth piece of the smart phone near the Smart Diagnosis™ logo on the dryer.
4. With the phone held in place, press and hold Temp. button for three seconds.
5. Keep the phone in place until the tone transmission has finished. It takes time on panel displayed.
6. When the recording is complete, view the diagnosis by pressing the Next button on the phone.

NOTE

Smart Diagnosis™ is a troubleshooting feature designed to assist, not replace, the traditional method of troubleshooting through service calls. The effectiveness of this feature depends upon various factors, including, but not limited to, the reception of the cellular phone being used for transmission, any external noise that may be present during the transmission, and the acoustics of the room where the machine is located.
Accordingly, LG does not guarantee that Smart Diagnosis™ would accurately troubleshoot any given issue.

Smart Diagnosis™ Through the Call Center

1. Call the LG call center at: (LG U.S.) 1-800-243-0000 (LG Canada) 1-888-542-2623.
2. When instructed to do so by the call center agent, hold the mouthpiece of your phone over the Smart Diagnosis™ logo on the machine. Hold the phone no more than one inch (but not touching) the machine.

NOTE

Do not touch any other buttons or icons on the display screen.

3. Press and hold the Temp. button for three seconds.
4. Keep the phone in place until the tone transmission has finished. It takes time on panel displayed.
5. Once the countdown is over and the tones have stopped, resume your conversation with the call center agent, who will then be able to assist you in using the information transmitted for analysis.

MAINTENANCE

Regular Cleaning

⚠WARNING

To reduce the risk of fire, electric shock, or personal injury when using this appliance, follow basic precautions, including the following:

- **Unplug the dryer before cleaning to avoid the risk of electric shock.** Failure to follow this warning can cause serious injury, fire, electrical shock, or death.
- **Never use harsh chemicals, abrasive cleaners, or solvents to clean the washer.** They will damage the finish.

Cleaning the Exterior

Proper care of the dryer can extend its life.
The outside of the machine can be cleaned with warm water and a mild, nonabrasive household detergent.

Immediately wipe off any spills with a soft, damp cloth.

NOTE

Do not use methylated spirits, solvents, or similar products.

Never use steel wool or abrasive cleansers; they can damage the surface.

Cleaning the Interior

Wipe around the door opening and seal with a soft, damp cloth to prevent lint and dust buildup that could damage the door seal.

Clean the window with a soft cloth dampened with warm water and a mild, nonabrasive household detergent; then wipe dry.

The stainless steel drum can be cleaned with a conventional stainless steel cleaner, used according to the manufacturer's specifications.
Never use steel wool or abrasive cleansers; they can scratch or damage the surface.

Cleaning Around and Under the Dryer

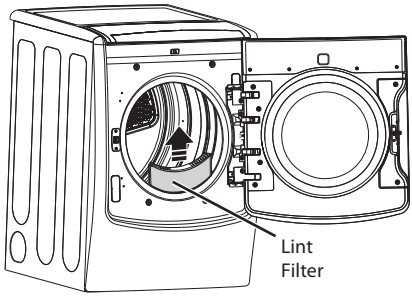
Vacuum lint and dust from around the dryer and underneath it regularly. Vent ductwork should be checked for lint buildup and cleaned at least once per year. If any noticeable reduction in airflow or drying performance occurs, immediately check ductwork for obstructions and blockages.

Maintaining Ductwork

Vent ductwork should be checked for lint buildup and cleaned at least once per year. If any noticeable reduction in airflow or drying performance occurs, immediately check ductwork for obstructions and blockages. Contact a qualified technician or service provider.

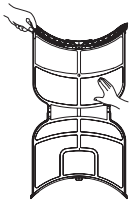
Cleaning the Lint Filter

Always clean the lint filter after every cycle.

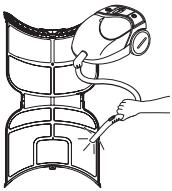


To clean, open the dryer door and pull the lint filter straight up. Then:

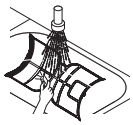
1. Roll any lint off the filter with fingers, or



2. Vacuum the lint filter, or



3. If the lint filter has become very dirty or clogged with fabric softener, wash the lint filter in warm, soapy water and allow to dry thoroughly before reinstalling.



NOTE

NEVER operate the dryer without the lint filter in place. NEVER operate the dryer with a wet lint filter.

TROUBLESHOOTING

Before Calling for Service

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

Problem	Possible Causes	Solutions
Dryer will not turn on	• Power cord is not properly plugged in. • House fuse is blown, circuit breaker has tripped, or power outage has occurred.	• Make sure that the plug is plugged securely into a grounded outlet matching the dryer's rating plate. • Reset circuit breaker or replace fuse. Do not increase fuse capacity. If the problem is a circuit overload, have it corrected by a qualified electrician.
Dryer does not heat	• House fuse is blown, circuit breaker has tripped, or power outage has occurred. • Gas supply or service turned off (gas models only). • Energy Saver option selected	• Reset circuit breaker or replace fuse. Do not increase fuse capacity. If the problem is a circuit overload, have it corrected by a qualified electrician. • Confirm that the house gas shutoff and the dryer gas shutoff are both fully open. • If using the Cotton/Normal cycle, deselect the Energy Saver option. The Energy Saver option is selected by default. This option reduces energy use by adding an air dry section to the beginning of the cycle. It is normal to feel no heat at the beginning of the cycle while in Energy Saver mode.
Greasy or dirty spots on clothes	• Fabric softener used incorrectly. • Clean and dirty clothes being dried together.	• Confirm and follow the instructions provided with your fabric softener. • Make sure to use your dryer to dry only clean items, because dirty items can soil clean clothes placed in the same or subsequent loads. • Stains on dried clothes are actually stains that were not removed during the washing process. Make sure that clothes are being completely cleaned according to the instructions for your washer and detergent.
Display shows error code tE1 or tE2	• Thermistor is malfunctioning.	• Turn off the dryer and call for service.
Lint on clothes	• Lint filter not cleaned properly. • Laundry not sorted properly. • Excess static in clothes. • Dryer is overloaded. • Tissue, paper, etc., left in pockets.	• Make sure the lint filter is cleaned before every load. With some loads that produce high amounts of lint, it may be necessary to clean the filter during the cycle. • Some fabrics are lint producers (i.e., a fuzzy white cotton towel) and should be dried separately from clothes that are lint trappers (i.e., a pair of black linen pants). • See the Excess static in clothes after drying section below. • Divide larger loads into smaller loads for drying. • Check pockets thoroughly before washing and drying clothes.
Excess static in clothes after drying	• Fabric softener not used or used incorrectly. • Clothes dried too long (overdried). • Drying synthetics, permanent press, or synthetic blends.	• Use a fabric softener to reduce static electricity correctly. Do not use fabric softeners or products to eliminate static unless recommended by the manufacturer of the fabric softener or product. • Overdrying a load of laundry can cause a buildup of static electricity. Adjust settings and use a shorter drying time, or use SENSOR DRY cycles. • These materials can cause static buildup. Try using a fabric softener.
Display shows error code PS	• Power cord connection is incorrect.	• Check the connection of power cord to the terminal block. Refer to pages 23-27 in this manual.

Before Calling for Service (cont.)

Problem	Possible Causes	Solutions
Drying time is not c onsistent	• Heat settings, load size, or dampness of clothing is not consistent.	• The drying time for a load will vary depending on the heat setting, the type of heat used (electric, natural gas, or LP gas), the size of the load, the type of fabrics, the wetness of the clothes, and the condition of the exhaust ducts and lint filter.
Clothes take too long to dry	• Load is not properly sorted. • Large load of heavy fabrics. • Dryer controls are not set properly. • Lint filter needs to be cleaned. • Exhaust ducts blocked, dirty, or duct run is too long. • House fuse is blown, circuit breaker has tripped, or power outage has occurred. • Dryer is overloaded. • Dryer is underloaded. • Energy Saver option selected	• Separate heavy items from lightweight items. Larger and heavier items take longer to dry. • Heavy fabrics take longer to dry because they tend to retain more moisture. To help reduce and maintain more consistent drying times for large and heavy fabrics, separate these items into smaller loads of a consistent size. • Use the appropriate control settings for the type of load you are drying. • Make sure the lint filter is cleaned before every load. With some loads that produce high amounts of lint, it may be necessary to clean the filter during the cycle. • Confirm that the exhaust ductwork is properly configured and free of debris, lint, and obstructions. Make sure that outside wall dampers can open properly and are not blocked, jammed, or damaged. • Reset circuit breaker or replace fuse. Do not increase fuse capacity. If the problem is a circuit overload, have it corrected by a qualified electrician. • Divide larger loads into smaller loads for drying. • If you are drying a very small load, add a few extra items to ensure proper tumbling action. • If using the Cotton/Normal cycle, deselect the Energy Saver option. This option reduces energy use by adding an air dry section to the beginning of the cycle.
Clothes are wrinkled	• Clothes dried too long (overdried). • Clothes left in dryer too long after cycle ends.	• Overdrying a load of laundry can lead to wrinkled clothes. Try a shorter drying time, and remove items while they still retain a slight amount of moisture. • Remove items from the dryer immediately at the end of the cycle. Use the WRINKLE CARE option to continue tumbling clothes at the end of the cycle, for up to 3 hours.
Clothes are shrinking	• Garment care instructions are not being followed.	• To avoid shrinkage, please carefully follow the fabric care instructions for your garment, because some fabrics will naturally shrink when washed. Other fabrics can be washed but will shrink when dried in a dryer. Use a low or no heat setting.
Add indicator light is on during the drying cycle	• Water supply error.	• Check steam feeder drawer: (1) Make sure steam feeder is filled with water to MAX line. (2) Make sure steam feeder is seated properly and drawer is fully closed. (3) Turn the dryer off then restart the Steam cycle. • Do not use distilled water; the water level sensor in the steam generator will not work. • The pump is not working. Unplug the dryer and call for service.
Water drips from nozzle when Steam Cycle starts	• This is normal.	• This is steam condensation. The dripping water will stop after a short time.
The display shows "d90", "d95" 	• The duct work is about 90%-95% blocked.("d90" or "d95" error code displayed 2 hours only) • House exhaust system blocked.	• **Do not use the dryer until the exhaust system has been cleaned and/or repaired.** Using the dryer with a severely restricted exhaust is dangerous and could result in a fire or other property damage. • Check the outside dryer vent while the dryer is operating to make sure there is strong airflow. • If the exhaust system is extremely long, have it repaired or rerouted. • Keep the area around the dryer clean and free of clutter. • Check the vent hood for damage or lint clogging. • Make sure the area around the vent hood is clear.

Before Calling for Service (cont.)

Problem	Possible Causes	Solutions
Steam does not generate but no error code is shown	• Water level error.	• Unplug dryer and call for service.
Garments still wrinkled after STEAM FRESH™	• Too many or too different types of garments in dryer.	• Small loads of 1 to 5 items work best. • Load fewer garments. Load similar-type garments.
There are no creases left on garment after STEAM FRESH™	• The function of this cycle is to remove wrinkles from fabric.	• Use an iron to make creases.
Water drips from door during Steam Cycle	• This is normal.	• Condensation will normally form on the inside of the dryer door during steam operation. Some condensation may drip out the bottom of the door.
Steam is not visible during Steam Cycle	• This is normal.	• Steam vapor is difficult to see when the door is closed. However, condensation will normally form on the inside of the dryer door if the steam system is operating normally.
Drum does not turn during Steam Cycle	• This is normal.	• The drum is turned off so that the steam vapor remains in the drum. The drum will normally turn for about 2 seconds once a minute.
Cannot see steam vapor at the beginning of cycle	• This is normal.	• Steam is released at different stages of the cycle for each option.
The display shows bl 9	• MORE TIME button pressed.	• This display indicates that the steam option has been set for a "bl 9" item such as a comforter. Press the LESS TIME button to reduce the indicated load size.
Odors remain in clothing after STEAM FRESH™	• STEAM FRESH™ did not remove odor completely.	• Fabrics containing strong odors should be washed in a normal cycle.
CHECK FILTER light is on during the drying cycle	• Lint filter is almost clogged or full.	• Pause the drying cycle and clean the lint filter.
FLOW SENSE™ indicator shows four bars during the drying cycle or the display shows "d80" after drying.	• Ductwork is too long or has too many turns/restrictions. • Significant blockage of the ductwork due to lint buildup or debris. • The appliance has detected a restriction in the external dryer venting.	• Install a shorter or straighter duct run. See the Installation Instructions. • Ductwork should be checked/cleaned soon. Dryer can be used in this condition, but drying times may be longer. • If exhaust restrictions are sensed by the Flow Sense™ system, the indicator will remain on for two hours after the end of the cycle. Opening the door or pressing the Power button will turn off the display.

SPECIFICATIONS

Steam Dryer Models	**DLEX9000* DLGX9001***
Description	Steam Dryer
Electrical Requirements*	Please refer to the rating label regarding detailed information.
Gas Requirements*	NG 4-10.5 inches WC LP: 8–13 inches WC
Dimensions	29”(W) X 33 3/8”(D) X 40 7/8”(H), 56” (D with door open) 73.7 cm (W) X 84.8 cm (D) X 103.9 cm (H), 142.3 cm (D with door open)
Net Weight	Gas dryer : 160.7 lbs(72.9 kg) Electric dryer : 157.4 lbs(71.4 kg)
Drying Capacity - Normal Cycle - Steam Cycle	 IEC 9.0 cu.ft. (27.3 lbs/12.4 kg) IEC 9.0 cu.ft. (8 lbs/3.6 kg)

WARRANTY (USA)

Should your LG Dryer (“Product”) fail due to a defect in materials or workmanship under normal home 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 and applies only when purchased and used within the United States including U.S. Territories. Proof of original retail purchase is required to obtain warranty service under this limited warranty.

Warranty Period	Scope of Warranty	HOW SERVICE IS HANDLED
One (1) year from date of original retail purchase	Parts and Labor	LG will provide parts and labor to repair or replace defective parts.
Ten (10) years from date of original retail purchase	Dryer drum	Parts only. Customer will be responsible for any labor or in-home service to replace defective parts.

- 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 or remanufactured.

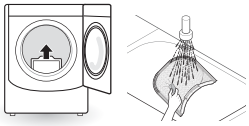
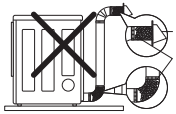
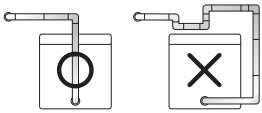
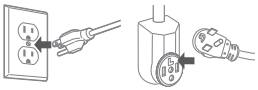
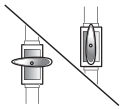
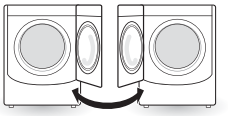
THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT ANY IMPLIED WARRANTY IS REQUIRED BY LAW, IT IS LIMITED IN DURATION TO THE EXPRESS WARRANTY PERIOD ABOVE. NEITHER THE MANUFACTURER NOR ITS U.S. DISTRIBUTOR SHALL BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY NATURE, INCLUDING WITHOUT LIMITATION, LOST REVENUES OR PROFITS, OR ANY OTHER DAMAGE WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE.

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 exclusion or limitation may not apply to you. This 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 or repair the product; instruction to the customer on operation of the product; repair or replacement of fuses or correction of wiring or plumbing, or correction of unauthorized repairs/ installation.
- Failure of the product to perform during power failures and interruptions or inadequate electrical service.
- Damage caused by leaky or broken water pipes, frozen water pipes, restricted drain lines, inadequate or interrupted water supply or inadequate supply of air.
- Damage resulting from operating the Product in a corrosive atmosphere or contrary to the instructions outlined in the Product’s owner’s manual.
- Damage to the Product caused by accidents, pests and vermin, lightning, wind, fire, floods, or acts of God.
- Damage or failure caused by unauthorized modification or alteration, or if it is used for other than the intended purpose, or any water leakage where the unit was not properly installed.
- Damage or failure caused by incorrect electrical current, voltage, or plumbing codes, commercial or industrial use, or use of accessories, components, or consumable cleaning products that are not approved by LG.
- Damage caused by transportation and handling, including scratches, dents, chips, and/or other damage to the finish of your product, unless such damage results from defects in materials or workmanship and is reported within one (1) week of delivery.
- Damage or missing items to any display, open box, discounted, or refurbished Product.
- Products with original serial numbers that have been removed, altered, or cannot be readily determined. Model and Serial numbers, along with original retail sales receipt, are required for warranty validation.
- Increases in utility costs and additional utility expenses.

- Repairs when your Product is used in other than normal and usual household use (e.g. commercial use, in offices and recreational facilities) or contrary to the instructions outlined in the Product's owner's manual.
- Costs associated with removal of your Product from your home for repairs.
- The removal and reinstallation of the Product if it is installed in an inaccessible location or is not installed in accordance with published installation instructions, including LG's owner's and installation manuals.
- Damage resulting from misuse, abuse, improper installation, repair, or maintenance. Improper repair includes use of parts not approved or specified by LG.

Filter is clogged. • Not heating, long dry time		• Clean the lint filter.
Duct is clogged. • Not heating, long dry time		• Clean the hood and duct.
Excessive duct length and/ or multiple elbows • Not heating, long dry time		• Keep exhaust ducts as short as possible, using as few elbows and bends as possible.
Improperly connected power cord or electrical outlet issue. • No Power • Not Heating		• Reconnect power cord, replace house fuse or reset breaker. If outlet is issue, electrician may be required.
Gas valve is not turned on. (Gas Dryer) • Not heating		• Open the gas valve
Door Reversal		• Instructions for door reversal can be found in the owner's manual.

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

OBTAIN WARRANTY SERVICE AND ADDITIONAL INFORMATION

If you do not have access to the internet and you need assistance using your product or you would like to schedule service, you may contact LG Electronics at the number below.

For assistance or service, call 1-800-243-0000.

If you need further assistance, you can write to LG with any questions or concerns at the address below:

LG Electronics, 201 James Record Road, Huntsville, Alabama 35813

For additional product information, visit our website at http://www.lg.com



LG Customer Information Center
1-800-243-0000 USA 1-888-542-2623 CANADA
Register your product Online!
www.lg.com