Scan the QR code to see the manual.

OWNER'S MANUAL

WASHER AND DRYER

Before beginning installation, read these instructions carefully. This will simplify installation and ensure that the product is installed correctly and safely. Leave these instructions near the product after installation for future reference.

ENGLISH

F2515RNTG

MFL72134475
Rev.00_060525

www.lg.com

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This manual may contain images or content that may be different from the model you purchased.

This manual is subject to revision by the manufacturer.

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SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE

The following safety guidelines are intended to prevent unforeseen risks or damage from unsafe or incorrect operation of the appliance.
The guidelines are separated into 'WARNING' and 'CAUTION' as described below.

Safety Messages

⚠ This symbol is displayed to indicate matters and operations that can cause risk. Read the part with this symbol carefully and follow the instructions in order to avoid risk.

⚠ **WARNING**
This indicates that the failure to follow the instructions can cause serious injury or death.

⚠ **CAUTION**
This indicates that the failure to follow the instructions can cause the minor injury or damage to the product.

WARNING

⚠ WARNING

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

Technical Safety

- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

- Children should be supervised to ensure that they do not play with the appliance.
- If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Use a new hose or hose-set supplied with the appliance. Reusing old hoses can cause a water leak and subsequent property damage.
- Ventilation openings must not be obstructed by a carpet.
- This appliance is intended to be used in household only.
- The inlet water pressure must be between 50 kPa and 800 kPa.

Maximum Capacity

The maximum capacity in some cycles for dry clothes to be used is **Wash (15 kg)/Dry (8 kg)**.
The recommended maximum capacity for each washing programme may differ. To get good wash results, please refer to **Programme Table** in **OPERATION** chapter for further details.

Technical Safety for Using the Dryer

- Do not dry unwashed items in the appliance.
- Items that have been soiled with substances such as cooking oil, vegetable oil, acetone, alcohol, petroleum, kerosene, spot removers, turpentine, waxes and wax removers should be washed in hot water with an extra amount of detergent before being dried in the appliance.
- Never stop the appliance before the end of the drying cycle unless all items are quickly removed and spread out so that the heat is dissipated.
- Items such as foam rubber (latex foam), shower caps, waterproof textiles, rubber backed articles and clothes or pillows fitted with foam rubber pads should not be dried in the appliance.
- Fabric softeners, or similar products, should be used as specified by the fabric softener instructions.

- Remove all objects from pockets such as lighters and matches.
- The appliance is not to be used if industrial chemicals have been used for cleaning.

Installation

- This appliance should only be transported by two or more people holding the appliance securely.
- Do not install the appliance in a damp and dusty place. Do not install or store the appliance in any outdoor area, or any area that is subject to weathering conditions such as direct sunlight, wind, rain, or temperatures below freezing.
- Make sure the power plug is completely pushed into the power outlet.
- Do not plug the appliance into multiple outlet sockets, power boards, or an extension power cable.
- Do not modify the power plug provided with the appliance. If it does not fit the power outlet, have a proper outlet installed by a qualified electrician.
- This appliance is equipped with a power cord having an equipment-earthing / grounding conductor (earthing pin) and a grounding power plug. The power plug must be plugged into an appropriate outlet socket that is installed and earthed / grounded in accordance with all local codes and ordinances.
- Improper connection of the equipment-grounding conductor can result in risk of electric shock. Check with a qualified electrician or service personnel if you are in doubt as to whether the appliance is properly grounded.

Operation

- Never attempt to operate the appliance if it is damaged, malfunctioning, partially disassembled, or has missing or broken parts, including a damaged cord or plug.
- Do not apply any sharp objects to the control panel in order to operate the appliance.

- Do not attempt to separate any panels or disassemble the appliance.
- Do not repair or replace any part of the appliance. All repairs and servicing must be performed by qualified service personnel unless specifically recommended in this Owner's Manual. Use only authorized factory parts.
- Do not push down the door excessively, when the appliance door is open.
- Do not put animals, such as pets into the appliance.
- Do not wash any items that are specified by the manufacturer as not washable on the care label.
- Keep the area underneath and around the appliance free of combustible materials such as lint, paper, rags, chemicals, etc.
- Do not leave the appliance door open. Children may hang on the door or crawl inside the appliance, causing damage or injury.
- Do not put in, wash or dry articles that have been cleaned in, washed in, soaked in, or spotted with combustible or explosive substances (such as waxes, wax removers, oil, paint, gasoline, degreasers, drycleaning solvents, kerosene, petrol, spot removers, turpentine, vegetable oil, cooking oil, acetone, alcohol, etc.). Improper use can cause fire or explosion.
- Do not use or store flammable or combustible substances (ether, benzene, alcohol, chemical, LPG, combustible spray, gasoline, thinner, petroleum, insecticide, air freshener, cosmetics, etc.) near the appliance.
- Never reach into the appliance while it is operating. Wait until the drum has completely stopped.
- Do not touch the door during a high temperature programme.
- In case of a water leak from the appliance or flood, disconnect the power plug and contact the LG Electronics customer information centre.
- Turn off water taps to relieve pressure on hoses and valves and to minimize leakage if a break or rupture should occur. Check the condition of the fill hoses; they should be replaced after 5 years.

- If there is a gas leakage (isobutane, propane, natural gas, etc.) within the home, do not touch the appliance or power plug and ventilate the area immediately.
- If the drain hose or inlet hose is frozen during winter, use it only after thawing.
- Keep all washing detergents, softener and bleach away from children.
- Do not touch the power plug or the appliance controls with wet hands.
- Do not bend the power cable excessively or place a heavy object on it.
- Avoid touching any water that is drained from the appliance during the wash.
- Make sure that drainage is working properly. If water is not drained properly, your floor may get flooded.
- When the air temperature is high and the water temperature is low, condensation may occur and thus wet the floor.
- Wipe off dirt or dust on the contacts of the power plug.

Maintenance

- Disconnect the appliance from the power supply before cleaning the appliance. Setting the controls to the OFF or stand by position does not disconnect this appliance from the power supply.
- Securely plug the power plug in the outlet socket after completely removing any moisture and dust.
- Do not spray water inside or outside the appliance to clean it.
- Never unplug the appliance by pulling on the power cable. Always grip the power plug firmly and pull straight out from the outlet socket.
- Only qualified service personnel from LG Electronics service centre should disassemble, repair, or modify the appliance. Contact an LG Electronics customer information centre if you move and install the appliance in a different location.

Disposal

- Before discarding an old appliance, unplug it. Cut off the cable directly behind the appliance to prevent misuse.
- Dispose of all packaging materials (such as plastic bags and styrofoam) away from children. The packaging materials can cause suffocation.
- Cut off the power cord and remove the door before disposing of this appliance to avoid the danger of children or small animals getting trapped inside.

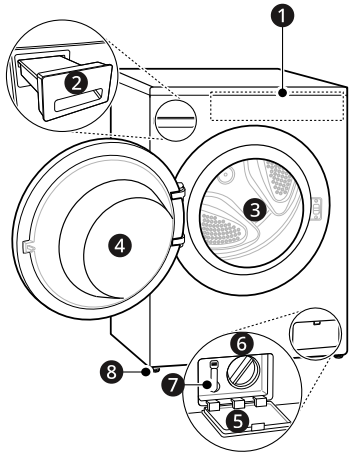
INSTALLATION

Parts and Specifications

NOTE

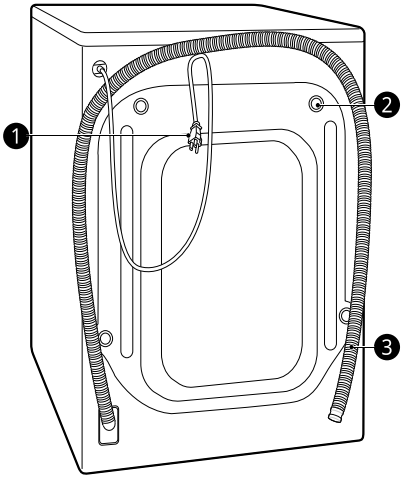
- Appearance and specifications may change without notice to improve the quality of the appliance.

Front View



1. Control Panel
2. Detergent Dispenser Drawer
3. Drum
4. Door
5. Cover Cap
6. Drain Pump Filter
7. Drain Plug
8. Levelling Feet

Rear View

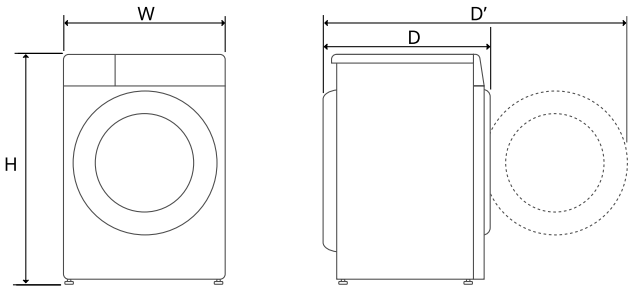


1. Power Plug
2. Transit Bolts
3. Drain Hose

Specifications

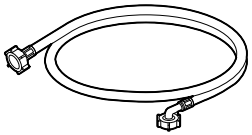
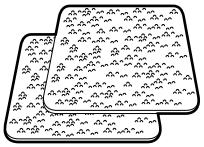
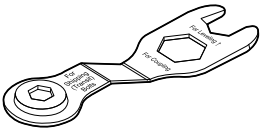
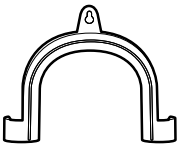
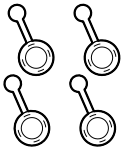
Model	F2515RNTG
Power Supply	220-240 V~, 50 Hz
Product Weight	77 kg

Dimension(mm)



W	650	D	645	H	950	D'	1145

Accessories

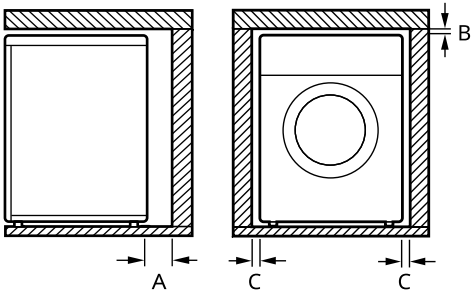
 Cold Supply Hose	 Anti–slip Sheets
 Spanner	 Elbow Bracket for Securing Drain Hose
 Caps for Covering Transit Bolt Holes	

Installation Place Requirements

Before installing the appliance, check the following information to make sure that the appliance is installed in a correct place.

Installation Location

- This appliance must be installed on firm flooring to minimize vibration during the spin cycle. Concrete flooring is best, being far less prone to vibration during the spin cycle than wooden floorboards or a carpeted surface.
- If it is impossible to avoid positioning the appliance next to a gas cooker or coal burning stove, an insulation (850 X 600 mm) covered with aluminum foil on the side facing the cooker or stove must be inserted between the two appliances.
- Ensure that when the appliance is installed, it is easily accessible for an engineer in the event of a breakdown.
- When installing the appliance, adjust all four feet using the transit bolt spanner provided to ensure the appliance is stable.
- Ensure that there is enough room for full opening of the appliance door.
- To ensure sufficient clearance for water inlet hoses, drain hose and airflow, allow minimum clearances of at least 20 mm at the sides and 100 mm behind the appliance. Be sure to allow for wall, door, or floor moldings that may increase the required clearances.



Index	Clearance (mm)
A	100

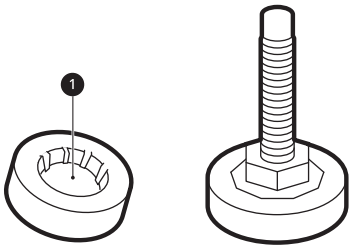
Index	Clearance (mm)
B	5
C	20

⚠ WARNING

- This appliance must only be used for domestic household purposes and should not be used in mobile applications.

Wooden Floors (Suspended Floors)

When installing the appliance on wooden floors, use rubber cups to reduce excessive vibration and unbalance. Timber or suspended type flooring may contribute to excessive vibration and unbalance, errors and malfunction.



- To reduce vibration, we recommend placing at least 15 mm thickness of rubber cups ❶ under each adjusting foot of the appliance, secured to at least two floor beams with screws.
- If possible, install the appliance in one of the corners of the room, where the floor is more stable.
- Fit the rubber cups to reduce vibration.

⚠ CAUTION

- If the appliance is installed on the unstable floor (e.g. wooden floor), the warranty does not cover any damages and cost occurred due to the installation on the unstable floor.

NOTE

- You can purchase rubber cups (part No. **4620ER4002B**) from the LG service centre.

Ventilation

- Make sure that air circulation around the appliance is not be impeded by carpets, rugs, etc.

Ambient Temperature

- Do not install the appliance in rooms where freezing temperatures may occur. Frozen hoses may burst under pressure. The reliability of the electronic control unit may be impaired at temperatures below freezing point.
- If the appliance is delivered in winter and temperatures are below freezing, place the appliance at room temperature for a few hours before putting it into operation.

Electrical Connection

- Do not use an extension cord or double adapter.
- Always unplug the appliance and turn off the water supply after use.
- Connect the appliance to an earthed socket in accordance with current wiring regulations.
- The appliance must be positioned so that the plug is easily accessible.
- Power outlet must be within 1 meter of either side of the appliance.

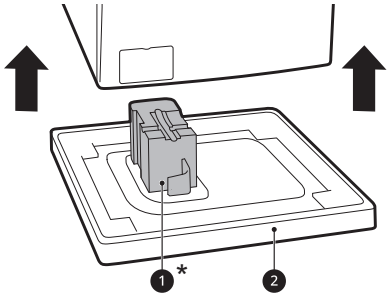
⚠ WARNING

- Repairs to the appliance must only be carried out by qualified personnel. Repairs carried out by inexperienced persons may cause injury or serious malfunctioning. Contact your local authorised LG repairer.
- The power plug must be plugged into an appropriate outlet socket that is installed and grounded/earthed in accordance with all local codes and ordinances.

Unpacking the Appliance

Lifting the Appliance Off the Foam Base

After removing the carton and shipping material, lift the appliance off the foam base.



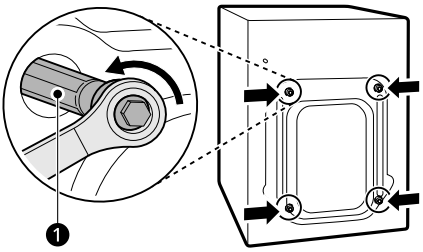
- Make sure the tub support ❶* comes off with the base and is not stuck to the bottom of the appliance.
- If you must lay the appliance down to remove the carton base ❷, always protect the side of the appliance and lay it carefully on its side. Do not lay the appliance on its front or back.

* This feature may vary depending on the model purchased.

Removing the Transit Bolt Assemblies

To prevent the appliance from severe vibration and breakage, remove transit bolts and retainers.

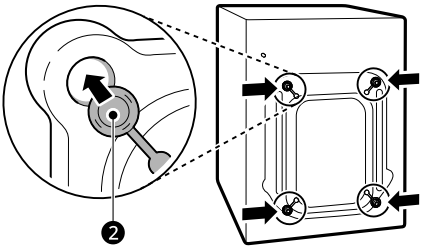
1 Starting with the bottom two transit bolts ❶, use the spanner (included) to fully loosen all transit bolts by turning them counterclockwise.



2 Remove the bolt assemblies by wiggling them slightly while pulling them out.

3 Install the hole caps.

- Locate the hole caps ❷ included in the accessory pack or attached on the back.



NOTE

- Save the transit bolts and retainers for future use.
- Transport this appliance for the prevention of breakage as below:
  - The transit bolts are reinstalled.
  - The power cord is secured to the back of the appliance.

Levelling the Appliance

Checking the Level

When pushing down the edges of the top plate diagonally, the appliance should not move up and down at all (check both directions).

- If the appliance rocks when pushing the top plate of the appliance diagonally, adjust the feet again.
- Check whether the appliance is perfectly level after installation.

NOTE

- Timber or suspended type flooring may contribute to excessive vibration and unbalance. Reinforcement or bracing of the timber floor may need to be considered to stop or reduce excessive noise and vibration.
- Never try to level any uneven floor by putting pieces of wood, cardboard or similar materials under the appliance.

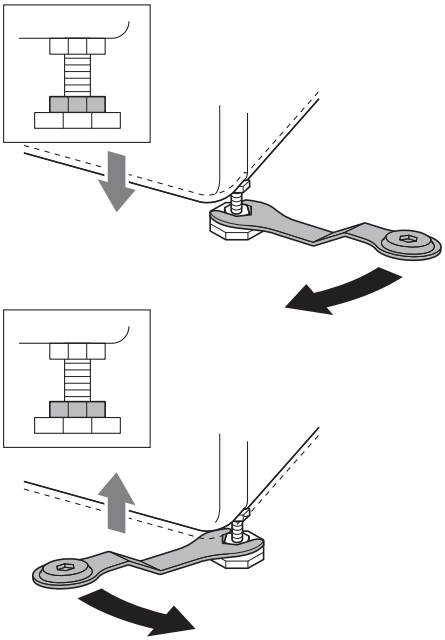
Adjusting and Levelling the Feet

When installing the appliance, the appliance should be aligned and perfectly level. If the appliance is not aligned and level properly, the appliance may be damaged or may not operate properly.

1 Turn the levelling feet as required if the floor is uneven.

- Do not insert pieces of wood etc. under the feet.

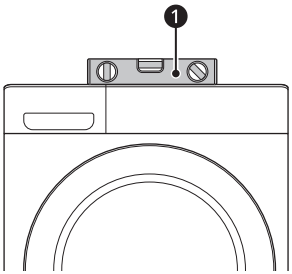
- Make sure that all four feet are stable and resting on the floor.



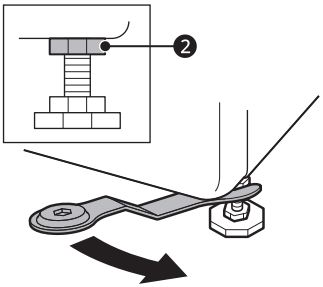
NOTE

- Do not install the washing machine on a plinth, stand or elevated surface unless it is manufactured by LG Electronics for use with this model.

2 Check if the appliance is perfectly level using a spirit level ❶.



3 Secure the levelling feet with the lock nuts ❷ by turning anti-clockwise against the bottom of the appliance.



4 Check if all lock nuts at the bottom of the appliance are secured properly.

NOTE

- Proper placement and levelling of the appliance will ensure long, regular, and reliable operation.
- The appliance must be 100% horizontal and stand firmly in position on a hard flat floor.
- It must not 'Seesaw' across corners under the load.
- Do not let the feet of the appliance get wet. Failure to do so may cause vibration or noise.

Using Anti-Slip Sheets

This feature may vary depending on the model purchased.

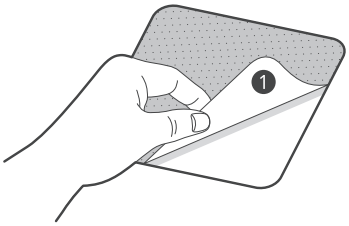
If you install the appliance on a slippery surface, it may move because of excessive vibration. Incorrect levelling may cause malfunction through noise and vibration. If this occurs, install the anti-slip sheets under the levelling feet and adjust the level.

1 Clean the floor to attach the anti-slip sheets.

- Use a dry rag to remove and clean foreign objects and moisture. If moisture remains, the anti-slip sheets may slip.

2 Adjust the level after placing the appliance in the installation area.

3 Place the adhesive side ❶ of the anti-slip sheets on the floor.
- The most effective way is to install the anti-slip sheets under the front feet. If it is difficult to place the sheets under the front feet of the appliance, attach them under the rear feet.



4 Put the appliance on the anti-slip sheets.
- Do not attach the adhesive side ❶ of anti-slip sheets to the feet of the appliance.

NOTE
- Additional anti-slip sheets are available at LG Electronics service centre.

Connecting the Water Supply Hose

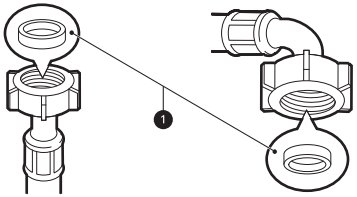
Note for Connection

- Water pressure must be between **50 kPa** and **800 kPa** (0.5–8.0 kgf/cm^2). If the water pressure is more than **800 kPa**, a decompression device should be installed.
- Periodically check the condition of the water supply hose and replace the water supply hose if necessary.

NOTE
- Do not overtighten the water supply hose or use mechanical devices to tighten onto the inlet valves.
- No further backflow protection required for connection to the water inlet.

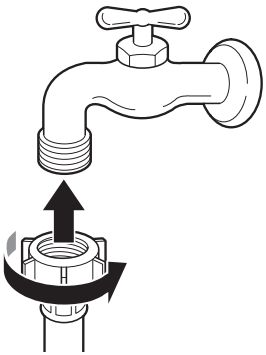
Checking the Rubber Seal

Two rubber seals ❶ are supplied with the water supply hose. They are used to prevent water leaks. Connection to taps is sufficiently tight.
- Do not use mechanical devices such as multi grips to tighten the water supply hose. Ensure that the curved end of the water supply hose is connected to the appliance.



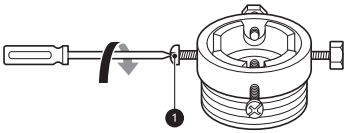
Connecting the Hose to the Water Tap

Connecting Screw-Type Hose to Tap with Thread
Screw the supply hose connector onto the water supply tap.

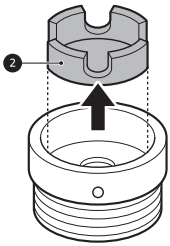


Connecting Screw-Type Hose to Tap Without Thread

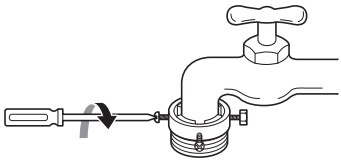
1 Loosen the 4 fixing screws ❶.



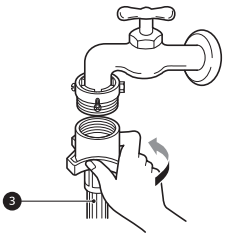
2 Remove the guide plate ❷ if the tap is too large to fit the adapter.



3 Push the adapter onto the end of the tap so that the rubber seal is connected to be watertight. Tighten the 4 fixing screws.

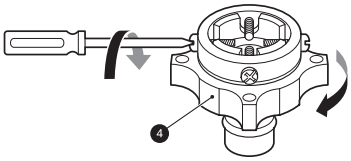


4 Push the inlet hose ❸ vertically upwards so that the rubber seal within the hose can adhere completely to the tap and then tighten the hose by screwing it to the right.

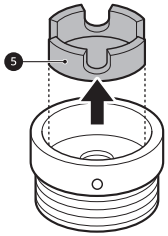


Connecting One Touch Type Hose to Tap Without Thread

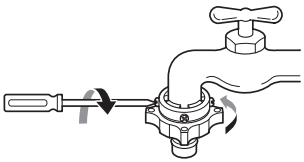
1 Unscrew the adapter ring plate ❹ and loose the 4 fixing screws.



2 Remove the guide plate ❺ if the tap is too large to fit the adapter.

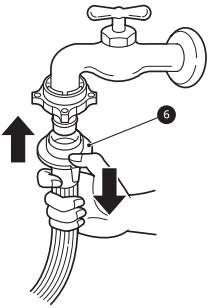


3 Push the adapter onto the end of the tap so that the rubber seal is connected to be watertight. Tighten the 4 fixing screws and the adapter ring plate.



4 Pull the connector latch plate ❻ down, push the inlet hose onto the adapter, and release the

connector latch plate. Make sure the adapter locks into place.

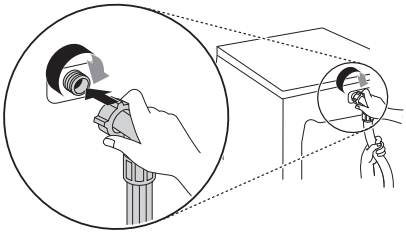


NOTE

- After connecting the water inlet hose to the water tap, turn on the water tap to flush out foreign substances (dirt, sand, sawdust, and etc.) in the water lines. Let the water drain into a bucket, and check the water temperature.

Connecting the Hose to the Appliance

Screw the supply hose to the water inlet valve on the back of the appliance.



- Do not connect the hose to the hot water supply for models with one water inlet. Connect to the cold water supply only.

NOTE

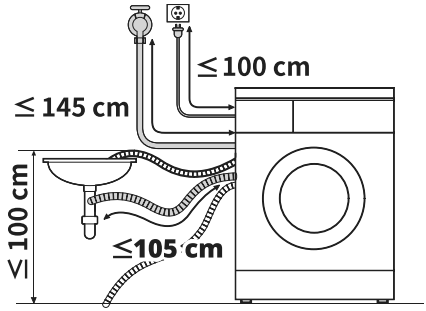
- After completing connection, if water leaks from the hose, repeat the same steps. Use the most conventional type of tap for the water supply. In case that the tap is square or too big, remove the guide plate before inserting the tap into the adaptor.
- Make sure that the hose should not be kinked or trapped.

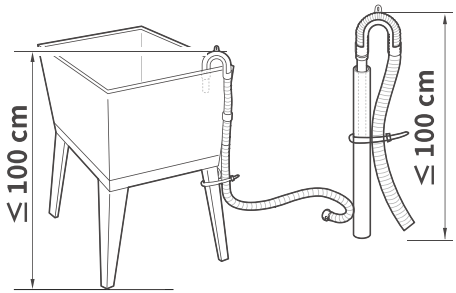
Installing the Drain Hose

Installing the Drain Hose with the Elbow Bracket

The drain hose should not be placed higher than **100 cm** above the floor. Water in the appliance may not drain or may drain slowly.

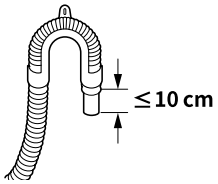
- Securing the drain hose correctly will protect the floor from damage due to water leakage.



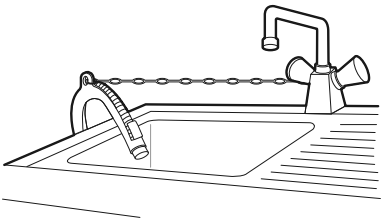


- If the drain hose is too long, do not force it back into the appliance. This will cause abnormal noise.

- Connect the elbow bracket within **10 cm** of the end of the drain hose.



- Ensure that the drain hose is inserted no more than **15 cm** into the drain.
- When installing the drain hose to a sink, secure it tightly with string.



OPERATION

Operation Overview

Using the Appliance

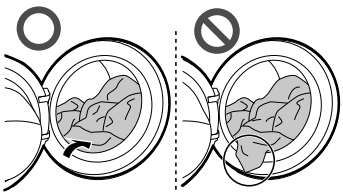
Before the first wash, select the **Cotton** wash programme and add a half amount of the detergent. Start the appliance without clothes. This will remove possible residues and water from the drum that may have been left during manufacturing.

1 Sort clothes and load items.

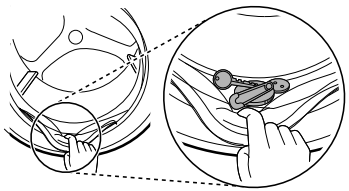
- Sort clothes by fabric type, soil level, colour and load size as needed. Open the door and load items into the appliance.

⚠ CAUTION

- Before closing the door, ensure that all clothes and items are inside the tub and not overhanging on the rubber door seal where they will become caught when the door is closed. Failing to do so will cause damage to the door seal and the clothes.



- Remove items from the flexible door seal gasket to prevent clothing and door seal damage.



2 Add cleaning products or detergent and softener.

- Add the proper amount of detergent to the detergent dispenser. If desired, add fabric softener to the appropriate areas of the dispenser.

3 Turn on the appliance.

- Press the **Power** button to turn on the appliance.

4 Choose the desired cycle.

- Turn the cycle selector knob until the desired cycle is selected.
- Now select a soil level, number of rinses, spin speed and temperature. Pay attention to the fabric care label of your clothes.

5 Begin cycle.

- Press the **Start/Pause** button to begin the cycle. The appliance will agitate briefly without water to measure the weight of the load. If the **Start/Pause** button is not pressed within a certain time, the appliance will shut off and all settings will be lost.

NOTE

- In the following case, the door will not open even if you pause the washing programme or turn the washing machine off.
  - When the washing machine starts a washing programme and has water inside the drum, the door will not open in order to prevent a flood until the washing machine drains the water completely.

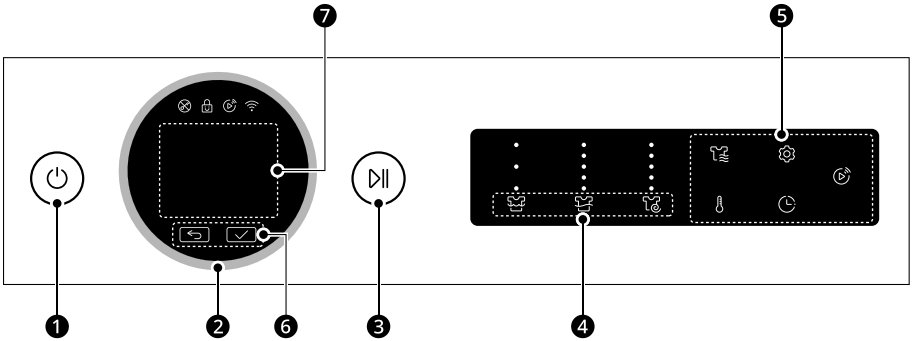
6 End of cycle.

- When the cycle is finished, a melody will sound. Immediately remove your clothing from the appliance to reduce wrinkling. Check around the door seal when removing the load for small items that may be caught in the seal.

Control Panel

The actual control panel may differ from model to model.

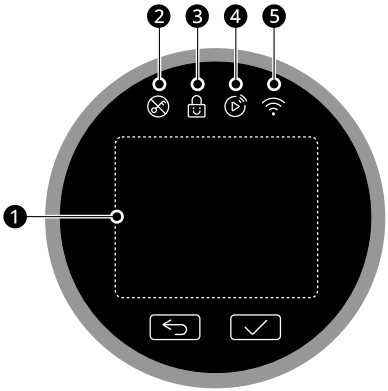
Control Panel Features



	Description
❶	**Power On/Off Button** • Press this button to turn the washing machine on or off.
❷	**Programme Knob** • Programmes are available according to the clothes type. • Once the desired cycle has been selected, the standard presets will appear in the display. These settings can be adjusted using the **Customizing Washing Programme buttons** at any time before starting the cycle.
❸	**Start/Pause Button** • This button is used to start the wash programme or pause the wash programme. • If a temporary stop of the wash programme is needed, press this button.
❹	**Customizing Washing Programme Buttons** Use these buttons to adjust the soil level, number of rinses or spin speed settings for the selected programme. • The current settings are shown in the display. • Press the button for that option to select other settings.
❺	**Extra Options and Functions** • To use the extra functions, press the corresponding button. The corresponding symbol lights up in the display. • This allows you to select an additional programmes and will light when selected. **Remote Start** With the **LG ThinQ** app, you can use a smartphone to control your appliance remotely. • In order to use this function, refer to **SMART FUNCTIONS**.

	Description
❻	**↩ & ✓ Buttons** • Press the ↩ button to go to the previous screen. • Press the ✓ button to select a menu item or save the information.
❼	**Display** • The display shows the settings, estimated remaining time, options, and status messages.

Time and Status Display



	Description
❶	**Programme Status Indicators** • The display shows the settings, estimated remaining time, options, and status messages.
❷	⊗ lights up when the programme starts and the door is locked.
❸	🔒 lights up when the control panel is locked except for the **Power** button.
❹	ⓟ lights up when the remote control feature is activated.
❺	📶 lights up when the appliance is connected to Wi-Fi network at home.

Preparing the Wash Load

Sort the wash load for best washing results, and then prepare the clothes according to the symbols on their care labels.

Sorting the Clothes

- Soil level (Heavy, Normal, Light): Separate clothes according to soil level. If possible, do not wash heavily soiled items with lightly soiled ones.
- Colour (White, Lights, Darks): Wash dark or dyed clothes separately from whites or light colours. Mixing dyed clothes with light clothes can result in dye transfer or discolouration of lighter clothes.
- Lint (Lint producers, Collectors): Wash separately lint producing fabrics from lint collecting fabrics. Lint producers can result in pilling and linting on the lint collectors.

Checking the Clothes Care Label

The symbols tell you about the fabric content of your garment and how it should be washed.

Symbols on the Care Labels

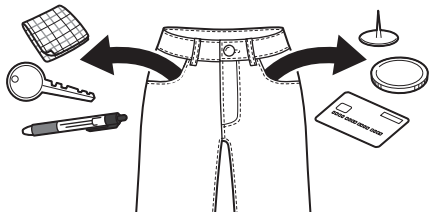
Symbol	Wash / Fabric type
	• Normal Wash • Cotton, Mixed Fabrics
	• Easy Care • Synthetic, Mixed Fabrics
	• Special Delicate Wash • Delicates
	• Hand Wash Only • Wool, Silk
	• Do not wash

NOTE

- The dashes under the symbol give you information about the type of fabric and the maximum allowance of mechanical stress.

Checking the Clothes before Loading

- To help distribute the load evenly during spinning, combine large and small items in a load.
- Do not wash single small items. Add 1-2 similar items to the load to prevent an out-of-balance load.
- Check all pockets to make sure that they are empty. Items such as nails, hair clips, matches, pens, coins and keys can damage both your appliance and clothes.



- When washing clothes with long attached straps, tie them or use a laundry net.
- Use a laundry net for small items like sleeves, stockings, tights, underwear, and socks to prevent them from getting stuck between the drum and the door seal.
- Fill the laundry net with less than half its capacity and wash it with other clothes. Avoid overfilling or washing it separately, as it may cause an imbalance in the drum, leading to an inadequate spin cycle.
- Close zippers, hooks and strings to make sure that these items do not snag on other clothes.
- Pre-treat dirt and stains by brushing a small amount of detergent dissolved water onto stains to help lift dirt.

Adding Detergents and Softeners

Detergent Dosage

- Detergent should be used according to the instruction of the detergent manufacturer and selected according to type, colour, soiling of the fabric and the washing temperature. Use only detergents that are suitable for Drum (front load) type washers.
- If too many suds occur, reduce the detergent amount.
- If too much detergent is used, too many suds can occur and this will result in poor washing results or cause heavy load to the motor.
- If you wish to use liquid detergent, follow the guidelines provided by the detergent manufacturer.
- You can pour liquid detergent directly into the main detergent drawer if you are starting the wash cycle immediately.
- Do not use liquid detergent if you are using the **Delay End** function, or if you have selected **Pre Wash** option, as the liquid will dispense immediately and may harden in the drawer or the tub.
- Detergent usage may need to be adjusted for water temperature, water hardness, size and soil level of the load. For best results, avoid overdosing the detergent. Failing to do so will cause oversudsing.
- Refer to the label of the clothes, before adding the detergent and choosing the water temperature.
- Use only suitable detergents for the respective type of clothing:
  - Liquid detergent is often designed for special applications, e.g. for coloured fabric, wool, delicate or dark clothes.
  - Powdered detergent is suitable for all types of fabric.
  - For better washing results of white and pale garments, use powdered detergent with bleach.
  - Detergent is flushed from the dispenser at the beginning of the wash cycle.

NOTE

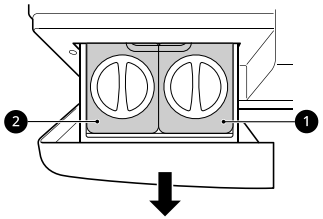
- Do not let the detergent harden. Doing so may lead to blockages, poor rinse performance or odour.
- Full load: According to manufacturer's recommendation.
- Part load: 1/2 of the normal amount.
- Minimum load: 1/3 of full load.

Using the ezDispense Function

When the **ezDispense** function is turned on, the liquid detergent and softener are dispensed in the set amounts, at the appropriate time during the cycle.

- A full detergent compartment will last for about 20 standard cycles, with the drum loaded halfway up with clothes.
- The default settings are configured to dispense **45 ml** of detergent and **30 ml** of softener for **4-6 kg** of normally soiled laundry. This can be changed using the **Default Det. Amount** or **Default Soft. Amount** button. Please refer to **Extra Options and Functions** in **OPERATION** chapter for further details.

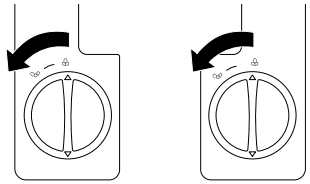
1 Slowly slide the detergent dispenser drawer out as far as it will go.



❶ Liquid detergent compartment

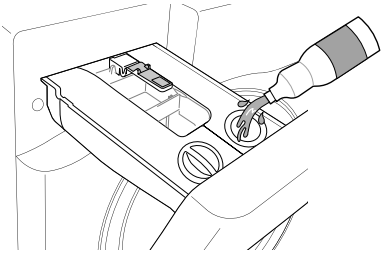
❷ Liquid fabric softener or Liquid detergent compartment

2 Turn the lids on the **ezDispense** compartments counterclockwise to open them.



3 Pour the detergent and softener into their respective compartments, up to the **MAX** line.

- The **ezDispense** drawer has two compartments. Put the liquid detergent into the right hand side compartment and the liquid fabric softener or liquid detergent into the left hand side compartment. If detergent is added to the ❷ compartment, the fabric softener cannot be used.
- Do not put powdered or liquid bleach, gel, tablet detergent, natural oil based liquids or sheet type detergents, or acidic solutions such as vinegar into the **ezDispense** compartments. Doing so will cause damage to the internal tubing and other dispensing parts and affect the operation.
- Remove any residual detergent on the outside of the **ezDispense** drawer before inserting it.
- Do not try to fill the compartments too quickly. Add detergent and softener slowly to avoid overflows.



4 After filling the compartments, insert the lids and turn them clockwise until they are tightly closed.

- Securely close the lids to the **ezDispense** compartments to minimize airflow which can harden these additives and prevent them from dispensing properly. Be careful not to lose the lids.

5 Close the dispenser drawer slowly before starting the cycle.

- Slamming the drawer closed may result in the detergent overflowing into another compartment or dispensing into the drum earlier than programmed.
- Be careful not to get a hand caught in the drawer while closing.
- It is normal for a small amount of water to remain in the manual dispenser compartments at the end of the cycle.

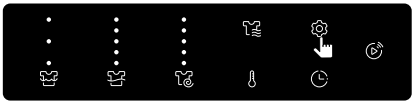
⚠ CAUTION

- Close lid and cover of the compartment securely before use. If not, the detergent and softner will harden or overflow.
- Slide the detergent dispenser drawer out or in slowly and use both hands for safety. Failure to do so can damage the washer or cause the detergent or softener to leak out of the ventilation holes.
- Detergent or fabric softener left in the **ezDispense** compartments for an extended period may harden and fail to dispense properly.
- Do not remove the dispenser drawer while the product is in operation.
- Remove detergent/softener in the **ezDispense** compartments before moving or relocating the the washing machine.
- Keep the **ezDispense** compartment level to prevent contents from leaking.

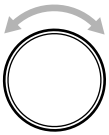
Using the Manual Dispense Function

Add detergent to the manual dispenser.

1 To turn off the automatic dispensers, press the **Settings** button.



2 Turn the knob to select **Detergent Amount** or **Softener Amount** and press the ✓ button.

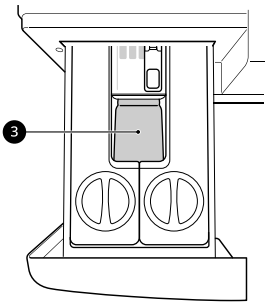


3 Turn the knob to select **Off** and press the ✓ button.

4 Open the detergent dispenser drawer.

5 Load the laundry products into the appropriate manual dispenser compartments.

- Use the main wash detergent compartment at the manual dispenser for powdered or liquid detergent.
- Do not place detergent sheets, tablets or packs in the manual dispenser.
- If using single-use detergent packs, place the pack in the drum before loading the laundry. Do not place liquid or powdered detergent packs in the any of the dispensers.



❸ Manual main wash detergent compartment

6 Close the detergent dispenser drawer slowly before starting the cycle.

- Slamming the detergent dispenser drawer may result in the detergent overflowing into another compartment or pouring into the tub earlier than programmed.

⚠ CAUTION

- Do not place or store laundry products, such as detergent, bleach, or liquid fabric softener, on top of your washer. These products can damage the washer's finish and controls.

NOTE

- The manual dispenser cannot be used for dispensing pre-wash detergent.
- When adding detergent tablets and water softener, be sure to turn off the **ezDispense** function.

Manual Main Wash Detergent Compartment

This compartment holds laundry detergent for the main wash cycle. It is recommended that powdered detergent be used in this compartment.

- Liquid or powdered color-safe bleach may be added to the manual main wash compartment with detergent of the same type. Do not mix liquids and powders.
- If you use a detergent that does not dissolve easily or a detergent with high viscosity, it will leave a residue and clog the dispenser.
- Be sure to turn off the **ezDispense** function.

Adding Detergent Tablets

Detergent tablets can also be used when washing.

1 Open the door and put detergent tablets into the drum before loading the clothes.

2 Load the clothes into the drum and close the door.

NOTE

- Do not put tablets into the dispenser.

Adding Water Softener

A water softener, such as anti-limescale can be used to cut down on the use of detergent in areas with high water hardness level.

- First add detergent, and then the water softener. Dispense according to the amount specified on the packaging.

Programme Table

Washing Programme

Default washing programmes

Cotton	**40 °C (Cold to 60 °C)**	**Max. Load: Rating**
Description	Washes normally soiled clothes by combining various drum motions.	

AI Wash	**40 °C (Cold to 60 °C)**	**Max. Load: 3 kg**
Description	**AI Wash** provides the appropriate drum rotation actions after load sensing is completed. • It washes softly for waterproof fabrics, and strongly for water permeable fabrics. **NOTE** • For best wash results, load the dry clothes for this programme.	

TurboWash 39	**40 °C (Cold to 40 °C)**	**Max. Load: 3 kg**
Description	With 4 water jets operating during the wash and rinse, this washing machine can wash a half load of lightly soiled clothes in approximately 39 minutes.	

Allergy Care	**-**	**Max. Load: 4 kg**
Description	Helps minimise substances that cause an allergic reaction. • Use for cotton, underwear, pillow covers, bed sheets, baby wear.	

Duvet	**Cold (Cold to 40 °C)**	**Max. Load: 2.5 kg (1 down duvet)**
Description	Washes large items such as bed covers, pillows, sofa covers, etc.	

Mixed Fabric	**40 °C (Cold to 40 °C)**	**Max. Load: 3 kg**
Description	Washes mixed fabrics simultaneously. • Use for various kind of fabrics except special garments (silk/delicate, sports wear, dark clothes, wool, duvet/curtains).	

Quick Wash	**Cold (Cold to 40 °C)**	**Max. Load: 1 kg**
Description	Quickly washes small loads of lightly soiled clothes.	

Quick Wash+Dry	**Cold**	**Max. Load: 1 shirt**
Description	Washes and dries quickly for small load. • If the amount of laundry is more than 1 shirt, the wash and dry time may increase.	

Dry Only	**-**	**Max. Load: Rating**
Description	Uses the automatic programmes to dry most loads. • For most drying, make sure all laundry are similar in material and thickness.	

Tub Clean	**-**	**-**
Description	This function helps clean the inside of your appliance's tub.	

Non-default washing programmes

Edit the list of washing programmes using the **Cycle List Edit** option to use these programmes.

Down Jacket	**20 °C (Cold to 40 °C)**	**Max. Load: 3 kg**
Description	Washes down-filled clothes without losing the down filling.	

Rinse+Spin	**-**	**Max. Load: 4 kg**
Description	Rinses and spins clothes. Use fabric softener if needed.	

Spin Only	**-**	**Max. Load: Rating**
Description	This programme drains and spins the clothes without washing or rinsing it.	

Silent Wash	**40 °C (Cold to 60 °C)**	**Max. Load: 4 kg**
Description	Washes clothes with less noise and vibration than other washing programmes. • Use for lightly soiled white cotton (underwear).	

Delicates	**20 °C (Cold to 40 °C)**	**Max. Load: 3 kg**
Description	Washes machine-washable lingerie, sheer and lacy clothes.	

Activewear	**20 °C (Cold to 20 °C)**	**Max. Load: 3 kg**
Description	Washes special garments like sports and outdoor wear. • Use for water-repellent fabric laminate used on clothing.	

Color Care	**20 °C (Cold to 40 °C)**	**Max. Load: 4 kg**
Description	Helps prevent the clothes from discolouring. • Use for cotton, mixed fabrics etc.	

Easy Care	**40 °C (Cold to 60 °C)**	**Max. Load: 3 kg**
Description	Washes clothes that do not need ironing after washing. • Use for Polyamide, acrylic, polyester.	

Towels	**40 °C (Cold to 60 °C)**	**Max. Load: 4 kg**
Description	Washes hard wearing fabrics such as towels, shirts and tableclothes.	

Jeans	**Cold (Cold to 20 °C)**	**Max. Load: 4 kg**
Description	This programme is designed specifically for jeans.	

Bed Sheets	**Cold (Cold to 40 °C)**	**Max. Load: 3 kg**
Description	Washes bedding items like sheets or throws.	

Bedding Refresh	**-**	**Max. Load: 3 kg**
Description	Refreshes to reduce dust and odours from the beddings.	

Baby Steam Care	**60 °C**	**Max. Load: 3 kg**
Description	Helps to remove soild and protein stains and provide better rinse performance. Use for lightly soiled baby wear.	

Small Load	**40 °C (Cold to 40 °C)**	**Max. Load: 1 kg**
Description	Washes a small load of laundry.	

Hand/Wool	**Cold (Cold to 40 °C)**	**Max. Load: 4 kg**
Description	Washes hand-washable and machine-washable delicate clothes such as washable wool, lingerie, dresses etc. • Use detergent for machine washable woolens.	

Cotton+	**40 °C (40 °C to 60 °C)**	**Max. Load: 4 kg**
Description	Washes normally soiled clothes by combining various drum motions with less energy consumption than **Cotton** programme with comparable settings.	

Hygiene	**95 °C**	**Max. Load: 3 kg**
Description	Washes clothes at a high temperature.	

Stain Care	**60 °C (40 °C to 60 °C)**	**Max. Load: 3 kg**
Description	Washes heavily soiled clothes by combining special drum motions.	

Cold Wash	**Cold**	**Max. Load: 4 kg**
Description	Lightly soiled clothes with cold water.	

Double Rinse	**-**	**Max. Load: Rating**
Description	Washes clothes in rinse twice and spin once.	

Rainy Days	**40 °C (Cold to 60 °C)**	**Max. Load: 3 kg**
Description	Washes clothes made slightly wet by rain, but not suitable for raincoats.	

Single Garments	**40 °C (Cold to 40 °C)**	**Max. Load: Single item**
Description	washes quickly for a single item.	

Shirts	**60 °C (40 °C to 60 °C)**	**Max. Load: 5 clothes**
Description	Water temperature is getting higher to help remove stains.	

Smart Rinse	**40 °C (Cold to 60 °C)**	**Max. Load: 3 kg**
Description	Increases the number of rinse to remove detergent residue from the clothes.	

One Shirt	**Cold (Cold to 40 °C)**	**Max. Load: 1 kg**
Description	Washes quickly for a single shirt.	

Wash Only	**40 °C (Cold to 60 °C)**	**Max. Load: Rating**
Description	Washes only with no rinse or spin.	

Rinse Only	**-**	**Max. Load: Rating**
Description	Rinses only with no wash and spin.	

School Uniforms	40 °C (Cold to 60 °C)	Max. Load: 3 kg
Description	Use this programme to wash school uniform.	

Pet Care	60 °C (40 °C to 60 °C)	Max. Load: 1.5 kg
Description	Washes clothes for pets.	

NOTE

- Select the appropriate water temperature for chosen wash programme. Always follow garment manufacturer's care label or instructions when washing to avoid damage to clothes.
- Select the proper wash temperature and spin speed for the desired programmes.
- Actual water temperature may differ from the declared cycle temperature.
- Neutral detergent is recommended.

Extra Options

*1 This option is automatically inserted in the programme and can not be deselected.

Programme	Steam	Dry	Delay End	TurboWash	Pre Wash	Fresh Care
Cotton	●	●	●	●	●	●
AI Wash		●	●	●		●
TurboWash 39		●	●	●*1		●
Allergy Care	●*1	●	●	●		●
Duvet			●	●		●
Mixed Fabric		●	●	●		●
Quick Wash		●	●	●		●
Quick Wash+Dry		●*1	●	●*1		●
Dry Only		●*1	●			●
Tub Clean			●			

Programme	Steam	Dry	Delay End	TurboWash	Pre Wash	Fresh Care
Down Jacket			●			●
Rinse+Spin		●	●			●
Spin Only		●	●			●
Silent Wash		●	●		●	●
Delicates			●			●
Activewear			●	●		●
Color Care		●	●	●		●
Easy Care		●	●	●	●	●
Towels		●	●	●	●	●
Jeans		●	●	●	●	●
Bed Sheets			●	●		●
Bedding Refresh		●*1	●			●
Baby Steam Care	●	●	●	●	●	●
Small Load		●	●	●		●
Hand/Wool			●			●
Cotton+		●	●	●	●	●
Hygiene	●	●	●	●		●
Stain Care	●	●	●	●	●	●
Cold Wash		●	●	●	●	●
Double Rinse		●	●			●
Rainy Days		●	●	●	●	●
Single Garments		●	●	●		●

Programme	Steam	Dry	Delay End	TurboWash	Pre Wash	Fresh Care
Shirts		●	●	●	●	●
Smart Rinse		●	●	●	●	●
One Shirt		●	●	●		●
Wash Only			●		●	
Rinse Only			●			
School Uniforms		●	●	●	●	●
Pet Care			●	●	●*1	●

Selectable Spin Speed

Programme	Spin Speed	
	Default	**Available**
Cotton	**High**	All
AI Wash	**High**	**Extra Low** to **Extra High**
TurboWash 39	**High**	**Extra Low** to **Extra High**
Allergy Care	**Medium**	All
Duvet	**Medium**	**No** to **Medium**
Mixed Fabric	**High**	All
Quick Wash	**Medium**	All
Quick Wash+Dry	**Extra High**	**Extra High**
Dry Only	-	-
Tub Clean	-	-
Down Jacket	**Extra Low**	**No** to **Extra Low**
Rinse+Spin	**Medium**	All
Spin Only	**Medium**	**Extra Low** to **Extra High**

Programme	Spin Speed	
	Default	Available
Silent Wash	**Low**	All
Delicates	**Medium**	**No** to **Medium**
Activewear	**Extra Low**	**No** to **Extra Low**
Color Care	**Low**	All
Easy Care	**High**	All
Towels	**Extra High**	All
Jeans	**Medium**	All
Bed Sheets	**Medium**	**No** to **Medium**
Bedding Refresh	-	-
Baby Steam Care	**Medium**	All
Small Load	**Medium**	All
Hand/Wool	**Low**	**No** to **Low**
Cotton+	**High**	All
Hygiene	**Medium**	All
Stain Care	**Medium**	All
Cold Wash	**High**	All
Double Rinse	**Medium**	**Extra Low** to **Extra High**
Rainy Days	**Extra High**	All
Single Garments	**Medium**	All
Shirts	**Low**	All
Smart Rinse	**High**	All
One Shirt	**Extra High**	All
Wash Only	-	-
Rinse Only	-	-
School Uniforms	**Medium**	All
Pet Care	**Medium**	**No** to **Medium**

NOTE

- Spin indicator lights up and the selected setting is shown in the display: **Extra Low** > **Low** > **Medium** > **High** > **Extra High**
- Actual maximum spin speed may vary depending on the load conditions.

Test in Conformity with IEC 60456

- Test accordance in conformity with **IEC 60456**.
- For water efficiency labeling program, select program "**Cotton**, 60 °C, **Rinse** 1, **TurboWash On**".
- "**Cotton**, 60 °C, **Rinse** 1, **TurboWash On**" is the recommended programme designed to minimize water consumption for normally soiled load at rated load capacity.

Drying Programme

General Tips for Drying

Use the automatic programmes to dry most loads. Electronic sensors measure the temperature of the exhaust to increase or decrease drying temperatures for faster reaction time and tighter temperature control.

- Cold water tap must be left on during drying cycles.
- This appliance's automatic process from washing to drying can be selected easily.
- For most drying, make sure all clothes are similar in material and thickness.
- Do not overload the appliance by stuffing too many articles into the drum. Items must be able to tumble freely.
- If you open the door and remove the load before the appliance has finished its programme, remember to press the **Start/Pause** button.
- After the drying is finished, **Cooling Down is running** appears on the display and the appliance tumbles the clothes periodically for about 4 hours to reduce creases. To stop this function, press **Power** or **Start/Pause** button and unload the clothes from the drum.

Woolen Articles

Do not tumble dry woolen articles. Pull them to their original shape and dry them flat.

Woven and Loopknit Materials

Some woven and loopknit materials may shrink, by varying amounts, depending on their quality.

Always stretch these materials out immediately after drying.

Permanent Press and Synthetics

Do not overload your appliance. Take out permanent press articles as soon as the appliance stops to reduce wrinkles.

Baby Clothes and Night Gowns

Always check the manufacturer's instructions.

Blankets and Duvets

Check fabric care labels on blankets and duvets before using the drying programme. Some blankets and duvets may shrink by the heated air.

Rubber and Plastics

Do not dry any items made from or containing rubber or plastics, such as:

- Aprons, bibs, chair covers
- Curtains and table cloths
- Bathmats

Fiber Glass

Do not dry fiber glass articles in the appliance. Glass particles left in the appliance may be picked up by your clothes and cause skin irritation.

NOTE

- When you turn off the drying cycle of the appliance, the drying fan motor can be operated to save itself for 60 seconds.
- Be careful when removing your clothing from the appliance, as the clothing or appliance may be hot.
- The estimated drying time varies from the actual drying time during the Automatic cycle. The type of fabric, size of the load, and the dryness selected affect drying time.
- When you select drying only, spinning runs automatically for energy efficiency.

Using a Dry Programme

You can customize the programmes by pressing the **Dry** button repeatedly to toggle through the selections:

Time 30/60/120 minutes
Use this function to change the drying time according to the maximum load.

Cupboard
Reduces the drying time and energy usage during the dry programme.

Iron
Suitable for ironing to dry clothes easily in damp condition.

Low Temp.
Suitable for drying in low temperature for less clothes damage.

Using a Wash and Dry Function

1 Prepare the clothes and load the drum.

2 Press the **Power** button.

3 Add detergent.

4 Select a washing programme.

5 Customize the drying programme as necessary.

6 Press the **Start/Pause** button.

Only Using a Dry Function

1 Prepare the clothes and load the drum.

2 Press the **Power** button.
- Do not select a washing programme and do not add a detergent.

3 Select a **Dry Only** programme.

4 Customize the drying programme as necessary.

5 Press the **Start/Pause** button.

Extra Options and Functions

You can use the extra options and functions to customize the programmes.

Customizing a Washing Programme

Each programme has default settings that are selected automatically. You may also customize these settings using these buttons.

Wash
Press the **Wash** button repeatedly until the desired soil level is selected.

- **Intensive**: for normal and heavily soiled clothes
- **Normal**: for normal soiled clothes
- **Light**: for lightly soiled clothes

Rinse
The number of rinses can be selected by pressing the **Rinse** button. This function is recommended for people with detergent allergies.

Spin
The spin intensity level can be selected by pressing this button repeatedly.

- Press the **Spin** button to select spin speed.

NOTE

- If **No** of the spin level is selected, the drum of the washing machine will rotate before the drainage.

Temp.
This button selects the wash temperature for the selected programme.

- Press the **Temp.** button until the desired setting is lit.
- Select the water temperature suitable for the type of load you are washing. Follow the garment fabric care labels for best results.

Follow the next steps to customize a washing programme:

1. Prepare the clothes and load the drum.
2. Press the **Power** button.
3. Add detergent.
4. Select a washing programme.
5. Customize the washing programme (**Wash**, **Rinse**, **Spin** and **Temp.**) as necessary.
6. Press the **Start/Pause** button.

Using Basic Options

You can customize the programmes by using the following basic options:

Delay End
You can set this function so that the appliance starts automatically and finishes after a specified time interval.

1. Press the **Power** button.
2. Select a washing programme.
3. Press the **Delay End** button as necessary.
4. Press the **Start/Pause** button.

NOTE

- Except for LED of the **Delay End** button, all LEDs on the control panel will be turned off within 20 minutes. This feature may vary depending on the model purchased.

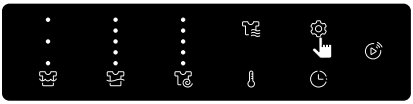
NOTE

- The delay time is the time to the end of the programme, not the start. The actual running time may vary due to water temperature, clothes and other factors.
- To cancel the function, the **Power** button should be pressed.
- When using the dispenser manually, avoid using liquid detergent for this function.

Using Various Settings

Settings

1 Press the ⚙ **Settings** button.



2 Turn the knob to select the desired setting and press the ✓ button.

3 Turn the knob to select or change the setting and press the ✓ button to save the setting.

4 To return to the previous screen, press the **Settings** button again or press the ↩ button.

NOTE

- If no action is taken for several minutes after pressing the **Settings** button, the display reverts to the previous screen.

Detergent Amount / Softener Amount
Turn the knob to adjust the dispense amount for the current cycle based on the fabric type and soil level.

- **Off**: Turns off the **ezDispense** function for that compartment
- **Minimum**: Decreases the default amount to minimum
- **Less**: Decreases the default amount by 10%
- **Medium**: Uses the default amount
- **More**: Increases the default amount by 10%
- **Maximum**: Increases the default amount to maximum

Child Lock
Use this option to disable the controls. This function can prevent children from changing cycles or operating the appliance.

- Press and hold the ✓ button for 3 seconds to deactivate this function.

NOTE

- Once this function is set, all buttons are locked except the **Power** button.
- When the controls are locked, the **Child Lock** indicator lights up and the washing programme is shown on the display.
- Turning off the power will not reset this function. You must deactivate this function before you can access any other options and functions.

Pre Wash
This option is recommended when washing a heavily soiled load.

TurboWash
Adding this option reduces the programme time but the similar washing results will be provided.

Steam
Adding this option helps provide better cleaning results.

Fresh Care
Use this function when you will not be able to unload your clothes immediately after the washing programme ends.

Cycle List Edit
Edit the list of washing programmes as desired.

1) Turn the knob to select the desired washing programme and press the ✓ button to include or exclude washing programmes.

- If a washing programme is added, a check mark is displayed by that programme.
- If a washing programme is deleted, the check mark is not displayed by that programme.

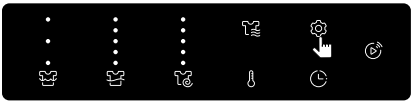
2) Press the ↩ button to save the washing programme list.

NOTE

- Some default programmes that cannot be deleted have their checkboxes disabled.
- The order of washing programme in the list can be changed. Change the order of the washing programme in the list using **More Settings** > **Cycle Optimization** on the product or **Cycle Optimization** in the **LG ThinQ** application.

More Settings

1 Press the ⚙ **Settings** button.



2 Turn the knob to select the **More Settings** and press the ✓ button.

3 Turn the knob to select the desired setting and press the ✓ button.

4 Turn the knob to select or change the setting and press the ✓ button to save the setting.

5 To return to the previous screen, press the ↩ button.

Wi-Fi Connection
Use to set up the **Wi-Fi Connection**. When Wi-Fi is turned on, the Wi-Fi icon appears in the display.

Cycle Optimization
When activated, this feature organizes the washing programme list and options automatically based on your usage patterns.

- **On** is the default setting.
- Selecting **Off** retains the current list order.

Use of Dispenser 2
Switches the softener compartment to a secondary detergent compartment for those who don't use liquid fabric softener.

- **Softener**: Used as softener compartment
- **Link Detergents**: Used as detergent compartment

Default Det. Amount / Default Soft. Amount
Use this function to adjust the default detergent amount or default softener amount in 3 ml increments, within a range of 9 ml to 120 ml.

ezDispense Nozzle Clean
Use this function to periodically clean the **ezDispense** compartments or before changing the softener compartment to a detergent compartment.

⚠ CAUTION

- Before using the function, remove the **ezDispense** compartment, clean it, fill it with water and reassemble it in the dispenser drawer.

Sound
Use this option to adjust the volume of the sound and turn the sound off.

Language
Use this to change the language shown on the display.

Smart Diagnosis
Use this to help troubleshoot errors or malfunctions.

- See the **Smart Diagnosis** section for more details.

Factory Reset
Select this to delete all the stored data and initialize settings.

SMART FUNCTIONS

LG ThinQ Application

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

LG ThinQ Application Features

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

Remote Start
It allows you to control the appliance remotely from the **LG ThinQ** application.

Tub Clean Coach
This function shows how many cycles remain before it is time to run the **Tub Clean** function.

Energy Monitoring
This function checks the energy consumption of the recently used cycles and monthly average.

Smart Diagnosis
This function provides useful information for diagnosing and solving issues with the appliance based on the pattern of use.

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

Push Alert
When the cycle is complete or the appliance has problems, you have the option of receiving push notifications on a smartphone. The notifications are triggered even if the **LG ThinQ** application is off.

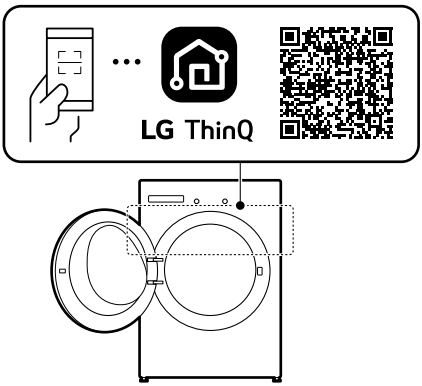
NOTE

- In the following cases, you must update the network information for each appliance in the **LG ThinQ** application under **Device Cards** ⟶ **Settings** ⟶ **Change Network**.
  - wireless router is changed
  - wireless router password is changed
  - Internet service provider is changed
- The application is subject to change for appliance improvement purposes without notice to users.
- Functions may vary by model.

Installing LG ThinQ Application and Connecting an LG Appliance

Models with QR Code

Scan the QR code attached to the product using the camera or a QR code reader application on your smartphone.



Models without QR Code

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

2 Run the **LG ThinQ** application and sign in with your existing account or create an LG account to sign in.

3 Touch the add (+) button on the **LG ThinQ** application to connect your LG appliance.

Follow the instructions in the application to complete the process.

NOTE

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

Activating Network Connection

1 Run the **LG ThinQ** application.

2 Select and touch the **Front Load Washer** in the application.

3 Press the **Power** button on the control panel.

4 Press the ⚙ **Settings** button.

5 Turn the knob to select the **More Settings** and press the ✓ button.

6 Turn the knob to select the **Wi-Fi Connection** and press the ✓ button.

Using the Appliance Remotely

Remote Start

Use a smartphone to control your appliance remotely. You can also monitor your cycle operation so you know how much time is left in the cycle.

Using this function

1 Put the clothes into the drum.
- If desired, add bleach or fabric softener to the appropriate areas of the dispenser.

2 Press the **Power** button.

3 Press the **Remote Start** button and select **On** to enable the remote control function.

4 Start a cycle from the **LG ThinQ** application on your smartphone.

NOTE

- Once this function is enabled, you can only start a cycle from the **LG ThinQ** smartphone application. If the cycle is not started, the appliance will wait to start the cycle until it is turned off remotely from the application or this function is disabled.
- If the door has been opened, you can not start a cycle remotely.

Disable this function manually
When this function is activated, press the **Remote Start** button and select **Off** to deactivate it.

Radio Equipment Specifications

Type	Operating Frequency Range	Output Power (Max.)
Wireless LAN	2400 MHz ~ 2483.5 MHz	< 100 mW
Bluetooth*1		

*1 This feature is only available on some models.

Wireless function S/W version: V 1.0

For consideration of the user, this device should be installed and operated with a minimum distance of 20 cm between the device and the body.

Open Source Software Notice Information

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

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

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

Smart Diagnosis

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

NOTE

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

Using LG ThinQ to Diagnose Issues

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

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

Using Audible Diagnosis to Diagnose Issues

Follow the instructions below to use the audible diagnosis method.

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

1 Press the **Power** button to turn on the appliance.

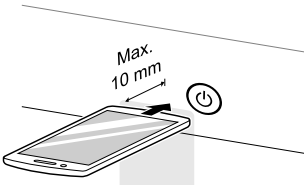
2 Press the ⚙ **Settings** button.

3 Turn the knob to select the **More Settings** and press the ✓ button.

4 Turn the knob to select the **Smart Diagnosis** and press the ✓ button.

5 Place the mouthpiece of your smartphone close to the **Power** button and press ✓ button.

- Hold the smartphone mouthpiece to the **Power** button until the data transfer is complete.



6 After the data transfer is complete, the appliance will turn off.

NOTE

- For best results, do not move the smartphone while the tones are being transmitted.

MAINTENANCE

⚠ WARNING

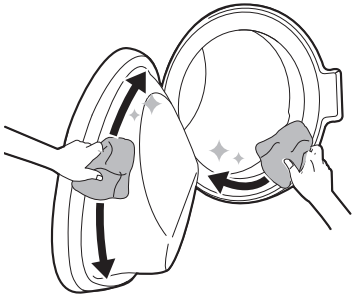
- Unplug the appliance before cleaning to avoid the risk of electric shock. Failure to follow this warning may result in serious injury, fire, electric shock, or death.
- Never use harsh chemicals, abrasive cleaners, or solvents to clean the appliance. They may damage the finish.

Cleaning After Every Wash

What to Clean

Always remove items from the washing machine as soon as the cycle is complete. Leaving damp items in the washing machine can cause wrinkling, colour transfer, and odour.

- After the wash cycle is finished, wipe the door and door seal to remove any moisture.
- Leave the door slightly open to dry the drum.
- Wipe the appliance with a dry cloth to remove any moisture.



⚠ WARNING

- Leave the door open to dry inside of the appliance only if the children are supervised at home.

Cleaning the Exterior

Proper care of your appliance can extend the service life.

Exterior

- Immediately wipe off any spills.
- Wipe with a damp cloth and then again with a dry cloth ensuring there is no moisture in cabinet joints or crevices.
- Do not press on the surface or the display with sharp objects.

Door

- Wash with a damp cloth on the outside and inside and then dry with a soft cloth.

⚠ WARNING

- Do not attempt to separate any panels or disassemble the appliance. Do not apply any sharp objects to the control panel in order to operate the appliance.

Cleaning the Appliance Periodically

Cleaning the Drum

Tub Clean

This is a programme to help clean the inside of the appliance by soaking, washing, rinsing and spinning.

Run this function **once a month** (or more often if needed) to reduce build-up of detergent and softener and other residue.

- If there is a bad smell or mildew inside the appliance, run this function **once a week for 3 weeks** in addition to the regularly prompted intervals.

NOTE

- The **Tub Clean** message will be displayed to alert to the recommendation of operating this function.

1 Remove any clothing or items from the appliance and close the door.

2 Open the dispenser drawer and add anti limescale powder to the main wash compartment.
   - Tablets can be placed directly into the drum as an alternative to powder.

3 Close the dispenser drawer slowly.

4 Turn on the power, and then select the **Tub Clean**.

5 Press the **Start/Pause** button to start.

6 Leave the door open to dry the inside of the appliance completely.
   - When the inside of the appliance is not dried completely, it may cause a bad smell or mildew.

⚠ WARNING

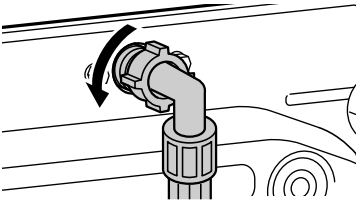
- Leave the door open to dry inside of the appliance only if the children are supervised at home.

Cleaning the Water Inlet Filter

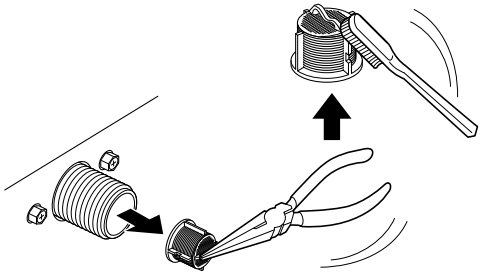
The water inlet filter collects lime or any sediment that may be in water that is supplied to the appliance. Clean the inlet filter every six months or more often if the water is very hard or contains traces of limescale.

- Turn off the water supply taps to the appliance if the appliance is to be left for a certain period of time (e.g. holiday), especially if there is no floor drain (gully) in the immediate vicinity.
- **Water supply** error message will be displayed on the control panel when the water is not entering the detergent drawer.

1 Turn off the power and the water tap and then unscrew the water inlet hose.



2 Remove the water inlet filter with small pliers and then clean the filter using a medium bristle tooth brush.



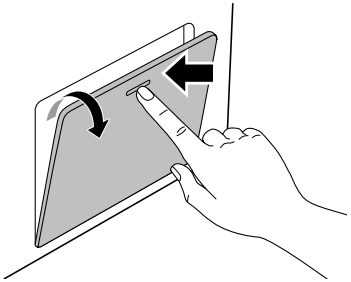
Cleaning the Drain Pump Filter and Performing an Emergency Water Evacuation

The drain filter collects threads and small objects that may have been accidentally left in the clothes. Make sure that the filter is clean every six months to ensure smooth running of your appliance.

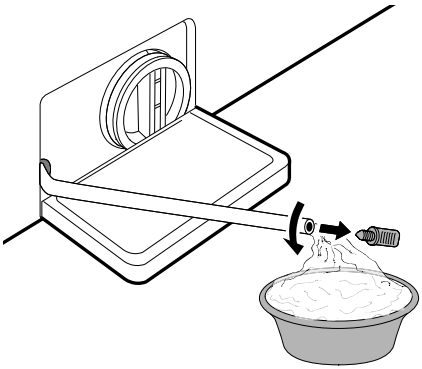
Allow the water to cool before cleaning the drain pump filter. Open the door in an emergency or perform an emergency water evacuation.

1 Unplug the appliance.

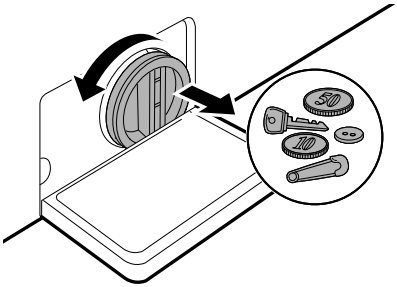
2 Open the cover cap and pull out the drain tube.



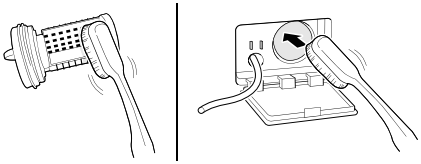
3 Remove the drain plug from the drain tube first, and then drain the water.



4 Unscrew the drain pump filter slowly to drain the remaining water and then proceed to remove any debris or objects from the filter.



5 Clean the pump filter and opening with a brush.



6 After cleaning the drain pump filter, carefully reinsert the filter and screw the drain cap back in clockwise carefully to avoid cross threading and leakage.

7 Reinsert the plug back into the drain tube and place the tube into its holder. The vertical and horizontal tube holders are provided for the proper storage or the drain tube.

8 Close the cover cap.

⚠ CAUTION

- Be careful when draining, as the water may be hot.
- Do not push the drain tube back into the cabinet. This will cause damage to the tube.

- Run the drum cleaning programme once a month (or more often, as needed) to remove excess detergent and other debris.

Cleaning the ezDispense Drawer

Clean the **ezDispense** compartments **every time** you refill the detergent/softener or change to a new type of detergent/softener.

Remove and clean the detergent dispenser drawer **once or twice a month**. Leaving detergent in the detergent dispenser drawer for an extended period or using the washing machine for a long time may cause the build-up of residue in the detergent dispenser drawer.

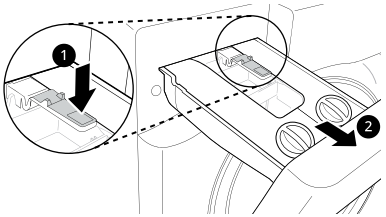
⚠ WARNING

- Do not spray water inside the washing machine. Doing so may cause fire or electric shock.

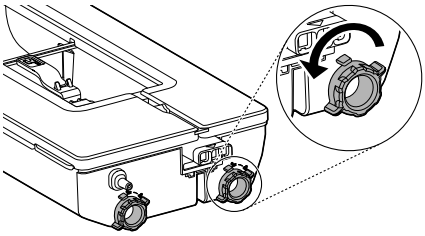
1 Turn off the washing machine, and unplug the power cord.

2 Pull out the detergent dispenser drawer until it stops.

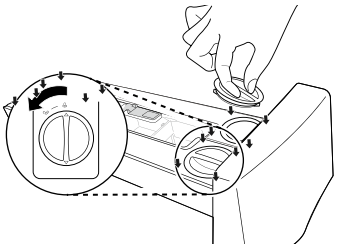
3 Press down the disengage button ❶ to completely remove the drawer.



4 Remove the check valve to remove any residual detergent/softener and close the check valve.



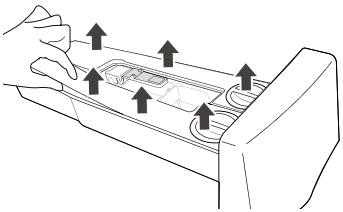
5 Open the lids.



6 Clean the inserts with warm water.

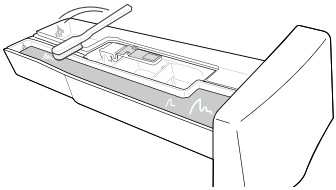
- Rinse the drawer in warm water to dissolve the detergent residue or softener scale.
- Use a soft cloth or brush to remove any residue.
- Do not use soap when cleaning the drawer and inserts.

7 If the detergent or softener is hardened inside the **ezDispense** compartments, remove the covers on the drawer.

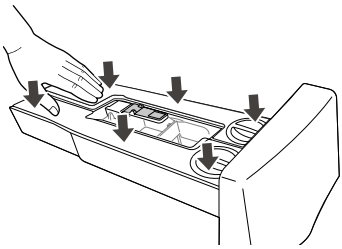


8 Clean the insides of the compartments with warm water.

- Use a soft cloth or brush to clean and to remove any residue.
- Do not use soap when cleaning the drawer and inserts.

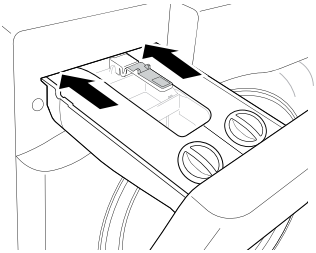


9 Securely close the covers on the **ezDispense** compartments.



10 Wipe off any moisture with a dry towel or cloth after cleaning.

11 Reinsert the detergent dispenser drawer.



TROUBLESHOOTING

Operation of your appliance can lead to errors and malfunctions. The following tables contain possible causes and notes for resolving an error message or malfunction. It is recommended to read the tables carefully below in order to save your time and money that may cost for calling to LG Electronics service centre.

Before Calling for Service

Your appliance is equipped with an automatic error-monitoring system to detect and diagnose problems at an early stage. If the appliance does not function properly or does not function at all, check the following tables before calling to LG Electronics service centre.

Error Messages

Symptoms	Possible Cause & Solution
Door open	**The door is opened.** • Open and close the door again. If the message keeps appearing, unplug the power cord and call for service.
Door unlocked	**The door is not secured.** • Close and secure the door. If the message keeps appearing, unplug the power cord and call for service.
Water supply	**Water supply is not adequate in that location. Water does not enter appliance or it enters slowly.** • Check another tap in the house.
	Water supply tap is not completely open. Water does not enter the appliance or it enters slowly. • Open fully tap.
	Water supply hose(s) are kinked. • Straighten hose or reinstall the water inlet hose.
	The filter of the supply hose(s) are clogged. • Check and clean the inlet valve filter after turning off the taps and removing the hose connections to the washing machine.
Drainage	**Drain hose is kinked or clogged. Water in the appliance does not drain or drains slowly.** • Clean and straighten the drain hose.
	The drain filter is clogged. • Check and clean the drain filter.

Symptoms	Possible Cause & Solution
Unbalance	**The appliance has a system which detects and corrects the unbalance of the appliance.** • The clothes may be too wet at the end of the cycle, rearrange the load to allow proper spinning. Close the door and press **Start/Pause** button. It may take a few moments before the appliance begins to spin. The door must be locked before spin can be achieved.
	Load is too small. This system may stop spinning or even interrupt the spin cycle altogether if individual heavy articles (e.g. bath mat, bath robe, etc.) are loaded. • Add 1 or 2 similar items or smaller articles of clothes to help balance the load. Close the door and press **Start/Pause** button. It may take a few moments before the appliance begins to spin. The door must be locked before spin can be achieved.
No water detected	**Water level sensor malfunctions.** • Close the water tap. Unplug the power plug. Call for service.
Motor error	**Over load in motor.** • Let the appliance wait for 30 minutes until the motor is cooled down and then, restart the cycle.
Water too high	**Water overfills due to a possible faulty water valve.** • Close the water tap. Unplug the power plug. Call for service.
Freeze error	**Is supply/drain hose or drain pump frozen?** • Supply warm water into the drum in order to unfreeze the drain hose and the drain pump. Cover the supply hose with wet and warm towel.
No temp detected	**This is a control error.** • Unplug the power plug and call for service.
Vibration sensor	**Vibration sensor malfunctions.** • Call for service.
Turbidity sensor	**Turbidity sensor is malfunctioning.** • Call for service.
Steam error	**The steam function did not work properly.** • Call for service.
Power failure	**Power failure or inadequate electrical service may have occurred during operation.** • Press the **Start/Pause** button to restart the cycle.
Overdosing	**Too much detergent was used.** • Do not add more than the recommended amount of detergent.
	Too much sudsing detected. • The washer will operate the suds reduction cycle for about 2 hours.

Symptoms	Possible Cause & Solution
Communication Error	**The appliance does not work properly.** • Call for service.
Dry error	**Drying functions only are not working.** • Call for service.

ezDispense Error Messages

Symptoms	Possible Cause & Solution
Check det. Tank	**The amount of liquid detergent in the detergent compartment did not decrease.** **After putting the detergent into the detergent compartment, it was left for a long time and the detergent hardened.** • Clean the detergent compartment thoroughly, fill it with liquid detergent, install it in the drawer, and run a wash cycle. If the error is displayed continuously, call for service.
No detergent	**The automatic detergent injection function does not work properly.** • Call for service.
Check soft. Tank	**The amount of fabric softener in the liquid fabric softener or liquid detergent compartment did not decrease.** **After putting the fabric softener into the liquid fabric softener compartment, it was left for a long time and the fabric softener hardened.** • Clean the softener compartment thoroughly, fill it with liquid fabric softener, install it in the drawer, and run a wash cycle. If the error is displayed continuously, call for service.
No softener	**The automatic softener injection function does not work properly.** • Call for service.
Auto Dispenser 1 abnormality	**The automatic dispenser 1 does not work properly.** • Call for service.
Auto Dispenser 2 abnormality	**The automatic dispenser 2 does not work properly.** • Call for service.
Drawer open	**The washer was operated without completely closing the drawer.** **The drawer was opened during the washer operation.** • Push the drawer completely closed. If the error is displayed continuously, call for service.

Noises You Might Hear

Symptoms	Possible Cause & Solution
Rattling and clanking noise	**Foreign objects, such as keys, coins, or safety pins may be in the drum.** • Stop the appliance, check the drum for foreign objects. If the noise continues after the appliance is restarted, call for service.
Thumping sound	**Heavy clothes may produce a thumping sound. This is usually normal.** • If the sound continues, the appliance is probably out of balance. Stop and redistribute the clothes.
	The clothes may be out of balance. • Pause the programme and redistribute the clothes after the door unlocks.
Vibrating noise	**Package materials are not removed.** • Remove package materials.
	The clothes may be unevenly distributed in the drum. • Pause the programme and redistribute the clothes after the door unlocks.
	Not all levelling feet are resting firmly and evenly on the floor. • See the **Levelling the Appliance** instruction to adjust the levelling of the appliance.
	Floor not rigid enough. • Check if the floor is sold and does not flex. See the **Installation Place Requirements** to select the proper location.

Operation

Symptoms	Possible Cause & Solution
Water is leaking.	**House drain pipes are clogged.** • Unclog waste pipes. Contact plumber if necessary.
	Leakage is caused by improper installation of drain hose or clogged drain hose. • Clean and straighten the drain hose. Check and clean the drain filter regularly.
	Drain pump filter cap is not fitted correctly. • Refit the drain pump filter.
Appliance does not operate.	**Control panel has powered off due to inactivity.** • This is normal. Press the **Power** button to turn the appliance on.
	Appliance is unplugged. • Make sure that the cord is plugged securely into a working outlet.

Symptoms	Possible Cause & Solution
Appliance does not operate.	**Water supply is turned off.** • Turn the water supply tap completely.
	Controls are not set properly. • Make sure that the programme is correctly set. Close the door and press the **Start/Pause** button.
	Door is open. • Close the door and make sure that nothing is caught under the door preventing it from closing completely.
	Circuit breaker/fuse is tripped/blown. • Check house circuit breakers/fuses. Replace fuses or reset breaker. The appliance should be on a dedicated branch circuit. The appliance will resume the programme where it stopped once power is restored.
	Control needs to be reset. • Press the **Power** button, then reselect the desired programme and press the **Start/Pause** button.
	Start/Pause was not pressed after a programme was set. • Press the **Power** button, then reselect the desired programme and press the **Start/Pause** button. The appliance is turned off if the **Start/Pause** button is not pressed within a certain time.
	Extremely low water pressure. • Check another tap in the house to make sure that household water pressure is adequate.
	Appliance is heating the water or making steam. • The drum may stop operating temporarily during certain cycles, while water is safely heated to a set temperature.
Appliance stops for a few minutes and then restarts.	**A motor protection device has been activated to prevent overheating of the motor.** • This is normal. If the motor protection device is activated, the appliance will stop for a few minutes and then start again.
Buttons may not function properly.	**The Child Lock option is activated.** • Deactivate the **Child Lock** option if necessary.
Door does not open.	**The door cannot be opened for safety reasons once the appliance starts.** • This is normal. You can safely open the door after ⊛/⊗ turns off.
Appliance is not filling properly.	**Inlet filter clogged.** • Make sure the inlet filters on the fill valves are not clogged.
	Inlet hoses may be kinked. • Check that inlet hoses are not kinked or clogged.

Symptoms	Possible Cause & Solution
Appliance is not filling properly.	**Insufficient water supply.** • Make sure that both hot and cold water taps are turned on all the way.
	Hot and cold supply hoses are reversed. • Check supply hose connections.
Appliance does not drain water.	**Kinked drain hose.** • Ensure that the drain hose is not kinked.
	Drain located higher than 1 m above the floor. • Make sure that the drain hose is no higher than 1 m above the bottom of the appliance.
Detergent is not dispensed completely or not dispensed at all.	**Too much detergent is used.** • Follow the guidelines provided by the detergent manufacturer.
	Drain Pump Filter may be blocked. • Clean the Drain filter.
Cycle time is longer than usual.	**The load is too small.** • Add more items to allow the appliance to balance the loads.
	Heavy articles are mixed with lighter items. • Always try to wash articles with similar weight in order to allow the appliance to evenly distribute the weight of the load for spinning.
	The load is out of balance. • Manually redistribute the load if articles have become tangled.
Cycle end is delayed	**Unbalance is detected or suds removing programme is on.** • This is normal. The time remaining shown on the display is only an estimated duration. Actual time may vary.

Performance

Symptoms	Possible Cause & Solution
Poor stain removal	**Previously set stains.** • Articles that have been previously washed may have stains which have been set. These stains may be difficult to remove and may require hand washing or pre-treating to aid in stain removal.
Staining	**Bleach or softener is dispensed too soon.** • Dispenser compartment is overfilled. It makes bleach or softer dispensed rapidly. Always measure bleach or softener to prevent overfilling. • Close the detergent dispenser slowly.

Symptoms	Possible Cause & Solution
Staining	**Bleach or softener was added directly to the clothes in the drum.** • Always use the detergent dispenser to ensure that bleach or softener is properly dispensed at the right time in the programme.
	Clothes were not properly sorted. • Always wash dark colours separately from light colours and whites to prevent discoloration. • Never wash heavily soiled items with lightly soiled items.
Wrinkling	**Appliance is not unloaded promptly.** • Always remove items from the appliance as soon as the programme is complete.
	Appliance is overloaded. • The appliance can be fully loaded, but the drum should not be tightly packed with items. The door of the appliance should be closed easily.
	Hot and cold water supply hoses are reversed. • Hot water rinse can set wrinkles in garments. Check the supply hose connections.
	Spin speed may be too high. • Set the spin speed to suit the garment type.

Odour

Symptoms	Possible Cause & Solution
Musty or mildewy odour in appliance	**Inside of drum is not cleaned properly.** • Run the **Tub Clean** function regularly.
	Odours can occur if the drain hose is not properly installed, causing siphoning (water flowing back inside of the appliance). • When installing the drain hose, make sure that it does not get kinked or blocked.
	If the detergent dispenser is not cleaned regularly, odours can occur from mold or foreign substances. • Remove and clean the detergent dispenser, especially the top and bottom of the dispenser's opening.

Drying

Symptoms	Possible Cause & Solution
Dry problem	**Check water supply tap.** • Do not overload. Check that the washing machine is draining properly to extract adequate water from the load. When load of laundry is too small to tumble properly. Add a few towels. • Turn off water supply tap.
Drying time is too long.	**The ambient temperature is low.** • Make sure the temperature is allowable range.
Drying performance is too low or bad.	**Water is not properly supplied. The water is used for auto-cleaning of lint-filter on drum during the drying.** • Make sure the water supply tap is open.
	Water does not properly drain. • Make sure the drain filter is not clogged.
	The appliance is overloaded. • Check the load capacity for the selected programme. If necessary, add a time dry programme.
	The spin speed is too low. • Select the highest spin speed allowed for the wash programme.
A warm air comes out from the rear side of the appliance.	**This appliance makes a warm air to dry the clothes.** • This warm air dries the clothes and comes out from the rear side of the appliance.

Wi-Fi

Symptoms	Possible Cause & Solution
Your home appliance and smartphone are not connected to the Wi-Fi network.	**The password for the Wi-Fi that you are trying to connect to is incorrect.** • Find the Wi-Fi network connected to your smartphone and remove it, then register your appliance on **LG ThinQ**.
	Mobile data for your smartphone is turned on. • Turn off the **Mobile data** of your smartphone and register the appliance using the Wi-Fi network.
	The wireless network name (SSID) is set incorrectly. • The wireless network name (SSID) should be a combination of English letters and numbers. (Do not use special characters).

Symptoms	Possible Cause & Solution
Your home appliance and smartphone are not connected to the Wi-Fi network.	**The router frequency is not 2.4 GHz.** • Only a 2.4 GHz router frequency is supported. Set the wireless router to 2.4 GHz and connect the appliance to the wireless router. To check the router frequency, check with your internet service provider or the router manufacturer.
	The distance between the appliance and the router is too far. • If the distance between the appliance and the router is too far, the signal may be weak and the connection may not be configured correctly. Move the location of the router so that it is closer to the appliance.

