

OWNER'S MANUAL

WASHING MACHINE



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.

EN ENGLISH

** J5****

** J6****

** J7****

** J8****

** J9****



MFL69851104
Rev.07_241118

www.lg.com

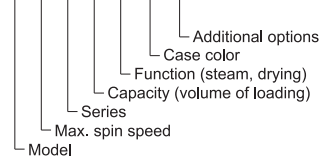
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TABLE OF CONTENTS

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

Example of decoding the model name:

F 2 J5 H M 3W N



"*" in the model name can be a letter from A to Z, a number from 0 to 9 or no sign.

This manual is subject to revision by the manufacturer.

SAFETY INSTRUCTIONS	3
Disposal of Your Old Appliance	8
INSTALLATION	9
Parts	9
Accessories	9
Specifications	10
Installation Place Requirements	12
Unpacking and Removing Transit Bolts	13
Using Anti-Slip Sheets (Optional)	14
Wooden Floors (Suspended Floors)	14
Leveling the Appliance	15
Connecting the Water Supply Hose	15
Installing the Drain Hose	17
OPERATION	18
Using the Washing Machine	18
Sorting Laundry	19
Adding Cleaning Products	20
Control Panel	22
Programme Table	25
Option Programme	31
SMART FUNCTIONS	34
Using SmartThinQ Application	34
Using Smart Diagnosis™	35
Using Tag On	36
MAINTENANCE	37
Cleaning Your Washing Machine	37
Cleaning the Water Inlet Filter	37
Cleaning the Drain Pump Filter	38
Cleaning the Dispenser Drawer	39
Tub Clean	39
Caution on Freezing During Winter	40
TROUBLESHOOTING	41
Diagnosing Problems	41
Error Messages	43
WARRANTY	45

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.

 **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!

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:

Children in the Household

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.

For use in Europe:

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision. Children of less than 3 years should be kept away unless continuously supervised.

Installation

- 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.
- 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, or rain or temperatures below freezing.
- Tighten the drain hose to avoid separation.
- If the power cord is damaged or the hole of the socket outlet is loose, do not use the power cord and contact an authorized service centre.
- Do not plug multiple socket outlets, an extension power cable or adapter with this appliance.
- This appliance must not be installed behind a lockable door, a sliding door or a door with a hinge on the opposite side to that of the appliance, in such a way that a full opening of the appliance door is restricted.
- This appliance must be grounded. In the event of malfunction or breakdown, grounding will reduce the risk of electric shock by providing a path of least resistance for electric current.

- 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.
- Do not modify the power plug provided with the appliance. If it does not fit the outlet, have a proper outlet installed by a qualified electrician.

Operation

- 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.
- 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 put animals, such as pets into the appliance.
- 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.
- Use new hose or hose-set supplied with the appliance. Reusing old hoses can cause a water leak and subsequent property damage.
- Never reach into the appliance while it is operating. Wait until the drum has completely stopped.
- 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.
- In case of flood, disconnect the power plug and contact the LG Electronics customer information centre.
- Do not push down the door excessively, when the appliance door is open.

- Do not touch the door during a high temperature programme.
- Do not use flammable gas and combustible substances (benzene, gasoline, thinner, petroleum, alcohol, etc.) near the appliance.
- If the drain hose or inlet hose is frozen during winter, use it only after thawing.
- If there is a gas leakage (isobutane, propane, natural gas, etc.), do not touch the appliance or power plug and ventilate the area immediately.
- 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.
- Do not wash rugs, mats, shoes or pet blankets, or any other items other than clothes or sheets, in this machine.
- This appliance must only be used for domestic household purposes and should not be used in mobile applications.
- Keep all washing detergents, softener and bleach away from children.

Maintenance

- Securely plug the power plug in the socket outlet after completely removing any moisture and dust.
- 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.
- 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 socket outlet.

Technical Safety for Using the Dryer

- Items that have been spotted or soaked with vegetable or cooking oil constitute a fire hazard and should not be placed in a tumble dryer.
- Items that have been previously cleaned in, washed in, soaked in or spotted with petrol/gasoline, dry-cleaning solvents or other flammable or explosive substances should not be placed in a tumble dryer.
- Items containing foam rubber (also known as latex foam) or similarly textured rubber like materials should not be dried in a tumble dryer on a heat setting.
- Rubber-backed articles, clothes fitted with foam rubber pads, pillows, rubber boots and rubber-coated tennis shoes should not be placed in a tumble dryer.
- Undergarments that contain metal reinforcements should not be placed in a tumble dryer.
- Plastic articles such as shower caps or babies waterproof napkin covers should not be placed in a tumble dryer.
- Fabric softeners or similar products should not be used during a drying cycle, to eliminate the effects of static electricity unless this practice is specifically recommended by the manufacturer of the fabric softener or product.
- 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.

Disposal

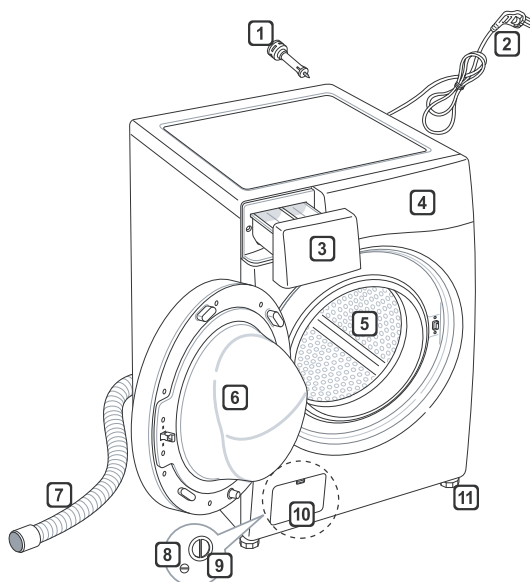
- Before discarding an old appliance, unplug it. Cut off the cable directly behind the appliance to prevent misuse.
- Dispose of all packaging materials (such as plastic bags and styrofoam) away from children. The packaging materials can cause suffocation.
- Remove the door before disposing of or discarding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

Disposal of Your Old Appliance



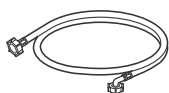
- This crossed-out wheeled bin symbol indicates that waste electrical and electronic products (WEEE) should be disposed of separately from the municipal waste stream.
- Old electrical products can contain hazardous substances so correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health. Your old appliance may contain reusable parts that could be used to repair other products, and other valuable materials that can be recycled to conserve limited resources.
- You can take your appliance either to the shop where you purchased the product, or contact your local government waste office for details of your nearest authorised WEEE collection point. For the most up to date information for your country please see www.lg.com/global/recycling.

Parts



- 1 Transit bolts
- 2 Power plug
- 3 Drawer
- 4 Control panel
- 5 Drum
- 6 Door
- 7 Drain hose
- 8 Drain plug
- 9 Drain pump filter
- 10 Cover cap (Location may vary depending on products)
- 11 Adjustable feet

Accessories



Cold supply hose (1EA)



Spanner



Caps for covering transit bolt holes (Optional)



Elbow bracket for securing drain hose (Optional)

Specifications

Model	****Q*** / ****T*** / ****V***
Wash capacity	7 kg / 8 kg / 9 kg
Power Supply	220–240 V~, 50 Hz
Size	600 (W)×560 (D)×850 mm (H)
Product Weight	64 kg
Wattage	2100 W
Permissible Water pressure	0.1–1.0 MPa (1.0–10.0 kgf/cm ²)
Energy efficiency class	A

Model	****L*** / ****N*** / ****W*** / ****H***
Wash capacity	5 kg / 6 kg / 6.5 kg / 7 kg
Power Supply	220–240 V~, 50 Hz
Size	600 (W)×450 (D)×850 mm (H)
Product Weight	63 kg
Wattage	1700 W
Permissible Water pressure	0.1–1.0 MPa (1.0–10.0 kgf/cm ²)
Energy efficiency class	A

Model	****S***
Wash capacity	4 kg
Power Supply	220–240 V~, 50 Hz
Size	600 (W)×370 (D)×850 mm (H)
Product Weight	62 kg
Wattage	1700 W
Permissible Water pressure	0.1–1.0 MPa (1.0–10.0 kgf/cm ²)
Energy efficiency class	A

- Appearance and specifications may change without notice to improve the quality of the product.
- No further backflow protection required for connection to the water supply.

Specifications

- For models with drying function:

Model	****VG**, ****VM**
Wash capacity	9 kg (wash) - 5 kg (dry)
Power Supply	220–240 V~, 50 Hz
Size	600 (W)×560 (D)×850 mm (H)
Product Weight	66 kg
Wattage	2100 W (wash) - 1250 W (dry)
Permissible Water pressure	0.1–1.0 MPa (1.0–10.0 kgf/cm ²)
Energy efficiency class	A

Model	****TG**, ****TM**
Wash capacity	8 kg (wash) - 5 kg (dry)
Power Supply	220–240 V~, 50 Hz
Size	600 (W)×560 (D)×850 mm (H)
Product Weight	66 kg
Wattage	2100 W (wash) - 1250 W (dry)
Permissible Water pressure	0.1–1.0 MPa (1.0–10.0 kgf/cm ²)
Energy efficiency class	A

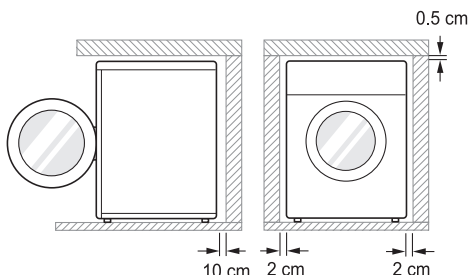
Model	****HG**, ****HM**
Wash capacity	7 kg (wash) - 4 kg (dry)
Power Supply	220–240 V~, 50 Hz
Size	600 (W)×450 (D)×850 mm (H)
Product Weight	62 kg
Wattage	1700 W (wash) - 1350 W (dry)
Permissible Water pressure	0.1–1.0 MPa (1.0–10.0 kgf/cm ²)
Energy efficiency class	B, C*

Model	****NG**, ****NM**
Wash capacity	6 kg (wash) - 4 kg (dry)
Power Supply	220–240 V~, 50 Hz
Size	600 (W)×450 (D)×850 mm (H)
Product Weight	61 kg
Wattage	1700 W (wash) - 1350 W (dry)
Permissible Water pressure	0.1–1.0 MPa (1.0–10.0 kgf/cm ²)
Energy efficiency class	D

* For models **J6HG** energy efficiency class **C**.

Installation Place Requirements

Location



Level floor: Allowable slope under the entire appliance is 1°.

Power outlet: Must be within 1 meter of either side of the location of the appliance.

- Do not overload the outlet with more than one appliance.

Additional Clearance: For the wall, 10 cm: rear/2 cm: right & left side, not less than 0.5 cm from the top.

- Don't lay laundry on the top plate of the washing machine and store it there.
- Do not place or store laundry products on top of the appliance at any time. These products may damage the finish or controls.

! WARNING!

- The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Positioning

- Install the appliance on a flat hard floor.
- Make sure that air circulation around the appliance is not impeded by carpets, rugs, etc.
- Never try to correct any unevenness in the floor with pieces of wood, cardboard or similar materials under the appliance.
- Make sure there is enough free space to open the front door.

- If it is impossible to avoid positioning the appliance next to a gas cooker or coal burning stove, an insulation (85x60 cm) covered with aluminum foil on the side facing the cooker or stove must be inserted between the two appliances.
- 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.
- Ensure that when the appliance is installed, it is easily accessible for an engineer in the event of a breakdown.
- With the appliance installed, adjust all four feet using the transit bolt spanner provided to ensure the appliance is stable.
- 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.

! WARNING!

- This equipment is not designed for maritime use or for use in mobile installations such as caravans, aircraft etc.

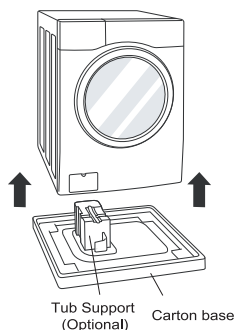
Electrical Connection

- 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.
- 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 service centre.

Unpacking and Removing Transit Bolts

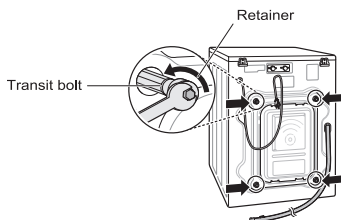
1 Lift the appliance off the foam base.

- After removing the carton and shipping material, lift the appliance off the foam base. Make sure the tub support 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, always protect the side of the appliance and lay it carefully on its side. Do not lay the appliance on its front or back.



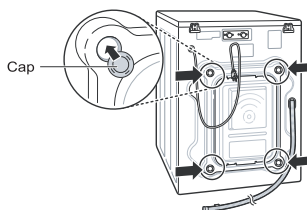
2 Remove the bolt assemblies.

- Starting with the bottom two transit bolts, use the spanner (included) to fully loosen all transit bolts by turning them counterclockwise. Remove the bolt assemblies by wiggling them slightly while pulling them out.



3 Install the hole caps.

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



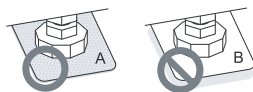
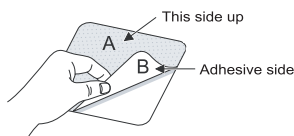
NOTE

- Save the bolt assemblies for future use. To prevent damage to internal components, Do not transport the washing machine without reinstalling the transit bolts.
- Failure to remove transit bolts and retainers may cause severe vibration and noise, which can lead to permanent damage to the washing machine. The cord is secured to the back of the washing machine with a transit bolt to help prevent operation with transit bolts in place.

Using Anti-Slip Sheets (Optional)

If you install the appliance on a slippery surface, it may move because of excessive vibration. Incorrect leveling may cause malfunction through noise and vibration. If this occurs, install the anti-slip sheets under the leveling 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 of the anti-slip sheets on the floor.
 - It is most effective to install anti-slip sheets under the front legs. If this seems difficult, install anti-slip sheets under the rear legs.



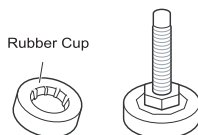
- 4 Ensure the appliance is level.
 - Push or rock the top edges of the appliance gently to make sure that the appliance does not rock. If the appliance rocks, level the appliance again.

NOTE

- You can obtain anti-slip sheets (MHK61866301) from the LG Service Centre.
- Do not use self-made linings, carpets, etc.

Wooden Floors (Suspended Floors)

- Wooden floors are particularly susceptible to vibration.
- To prevent vibration we recommend you place rubber cups at least 15 mm thick of the each 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.

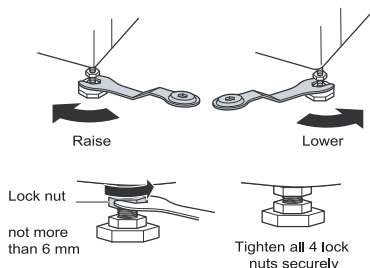
NOTE

- Proper placement and leveling of the washing machine will ensure long, regular, and reliable operation.
- The washing machine must be 100% horizontal and stand firmly in position.
- It must not 'Seesaw' across corners under the load.
- The installation surface must be clean, free from floor wax and other lubricant coatings.
- Do not let the feet of the washing machine get wet. Failure to do so may cause vibration or noise.
- You can obtain rubber cups (p/no.4620ER4002B) from the LG Service Centre.
- Do not use caps (supports) from other manufacturers, this can lead to increased vibration.

Leveling the Appliance

If the floor is uneven, turn the adjustable feet as required (Do not insert pieces of wood etc. under the feet). Make sure that all four feet are stable and resting on the floor and then check that the appliance is perfectly level (Use a spirit level).

- Once the appliance is level, tighten the lock nuts up towards the base of the appliance. All lock nuts must be tightened.



Diagonal Check

- 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 machine top plate diagonally, adjust the feet again.

NOTE

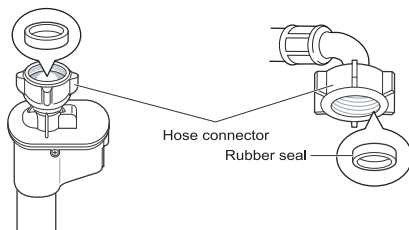
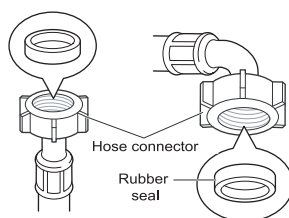
- Timber or suspended type flooring may contribute to excessive vibration and unbalance.
- If the washing machine is installed on a raised platform, it must be securely fastened in order to eliminate the risk of falling off.

Connecting the Water Supply Hose

- Water pressure must be between 0.1 MPa and 1.0 MPa (1.0–10.0 kgf/cm²).
- Do not strip or crosstread when connecting supply hose to the valve.
- If the water pressure is more than 1.0 MPa, a decompression device should be installed.
- Periodically check the condition of the hose and replace the hose if necessary.

Checking the Rubber Seal on the Water Supply Hose

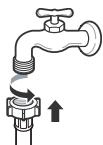
Two rubber seals are supplied with the water inlet hoses. They are used for preventing water leaks. Make sure the connection to taps is sufficiently tight.



Connecting Hose to Water Tap

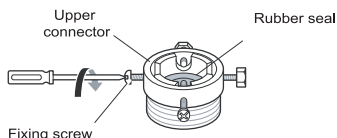
Connecting Screw-Type Hose to Tap with Thread

Screw the hose connector onto the water supply tap.

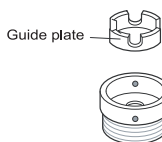


Connecting Screw-Type Hose to Tap Without Thread

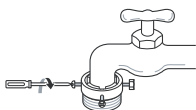
- 1 Loosen the four fixing screws.



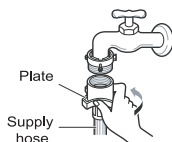
- 2 Remove the guide plate if the tap is too large to fit the adapter.



- 3 Push the adapter onto the end of the tap so that the rubber seal forms a watertight connection. Tighten the four fixing screws.

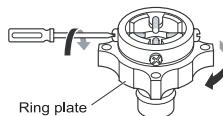


- 4 Push the supply hose vertically upwards so that the rubber seal within the hose can adhere completely to the tap and then tighten it by screwing it to the right.

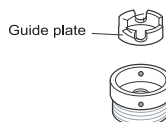


Connecting One Touch Type Hose to Tap Without Thread

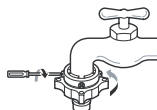
- 1 Unscrew the adapter ring plate and loose the four fixing screws.



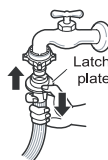
- 2 Remove the guide plate if the tap is too large to fit the adapter.



- 3 Push the adapter onto the end of the tap so that the rubber seal forms a watertight connection. Tighten the four fixing screws and the adapter ring plate.



- 4 Pull the connector latch plate down, push the supply hose onto the adapter, and release the connector latch plate. Make sure the adapter locks into place.



NOTE

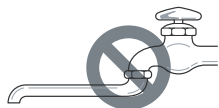
- Before connecting the supply hose to the water tap, turn on the water tap to flush out foreign substances (dirt, sand, sawdust, and etc.) in the water lines. Let the water drain into a bucket, and check the water temperature.
- Slightly close the water tap for water pressure decrease in case of water hammering noise when washing machine filling with water.

Using the Horizontal Tap

Horizontal tap



Extension tap

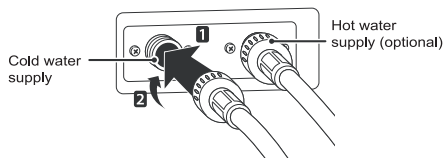


Square tap



Connecting Hose to Appliance

Attach the hot water line to the hot water supply on the back of the washer. Attach the cold water line to the cold water supply on the back of the washer.

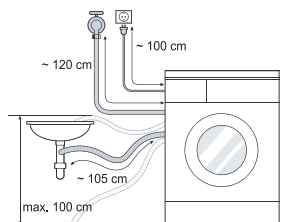


NOTE

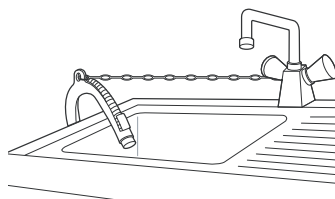
- After completing connection, if water leaks from the hose, repeat the same steps. Use the most conventional type of tap for the water supply. In case the tap is square or too big, remove the guide plate before inserting the tap into the adaptor.

Installing the Drain Hose

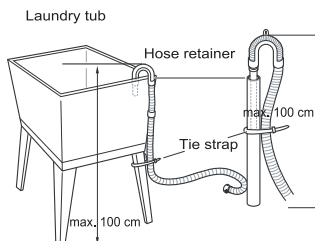
- The drain hose should not be placed higher than 100 cm above the floor. Water in the appliance may not drain or may drain slowly.
- If the drain hose is too long, do not force it back into the appliance. This will cause abnormal noise.
- The hose is fixed on the back of the washing machine. Do not remove holder and disconnect the hose. It can cause the water leakage while the washing machine is operating.



- When installing the drain hose to a sink, secure it tightly with string.



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

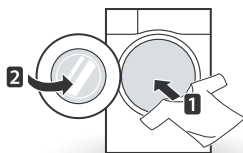


Using the Washing Machine

Before the first wash, select a washing programme (**Cotton 60°C** + washing powder), allow the washing machine to wash without clothing. This will remove residue and water from the drum that may have been left during manufacturing.

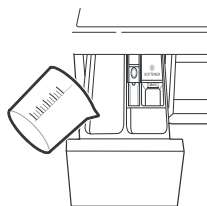
1 Sort laundry and load items.

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



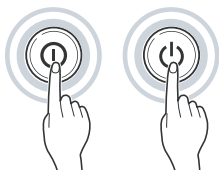
2 Add cleaning products and/or detergent and softener.

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



3 Turn on the washing machine.

- Press the **Power** button to turn on the washing machine.



4 Choose the desired washing cycle.

- Press the cycle button repeatedly or turn the cycle selector knob until the desired cycle is selected.



5 Begin cycle.

- Press the **Start/Pause** button to begin the cycle. The washing machine will agitate briefly without water to measure the weight of the load. If the **Start/Pause** button is not pressed within 5 minutes, the washing machine will shut off and all settings will be lost.



6 End of cycle.

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

Sorting Laundry

1 Look for a care label on your clothes.

- This will tell you about the fabric content of your garment and how it should be washed.
- Symbols on the care labels.



Wash temperature



Normal machine wash



Gentle Care



Delicate wash
(dry)



Hand wash



Do not wash

2 Sorting laundry.

- To get the best results, sort clothes into loads that can be washed with the same wash cycle.
- Different fabrics need to be washed at varying temperatures and spin speeds.
- Always sort dark colours from pale colours and whites. Wash separately as dye and lint transfer can occur causing discolouration of white and pale garments. If possible, do not wash heavily soiled items with lightly soiled ones.
- Soil (Heavy, Normal, Light) : Separate clothes according to amount of soil.
- Colour (White, Lights, Darks): Separate white fabrics from coloured fabrics.
- Lint (Lint producers, Collectors): Wash lint producers and lint collectors separately.

3 Caring before loading.

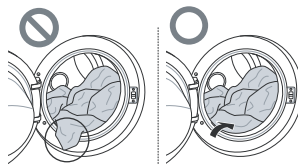
- Combine large and small items in a load. Load large items first.
- Large items should not be more than half the total wash load. Do not wash single items. This may cause an unbalanced load. Add one or two similar items.
- Check all pockets to make sure that they are empty. Items such as nails, hair clips, matches, pens, coins and keys can damage both your washing machine and your clothes.



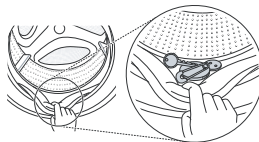
- Close zippers, hooks and strings to make sure that these items don't snag on other clothes.
- Pre-treat dirt and stains by brushing a small amount of detergent dissolved water onto stains to help lift dirt.
- Check the folds of the flexible gasket (gray) and remove any small articles.

! CAUTION!

- Check inside the drum and remove any items from a previous wash.



- Remove any clothing or items from the flexible gasket to prevent clothing and gasket damage.



Adding Cleaning Products

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 washing temperature.
- 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 cycle immediately.
- Do not use liquid detergent if you are using **Delay End**, or if you have selected **Pre Wash**, as the liquid may harden.
- If too many suds occur, reduce the detergent amount.
- Detergent usage may need to be adjusted for water temperature, water hardness, size and soil level of the load. For best results, avoid oversudsing.
- Refer to the label of the clothes, before choosing the detergent and water temperature.
- When using the washing machine, use designated detergent for each type of clothing only:
 - General powdered detergents for all types of fabric
 - Powdered detergents for delicate fabric
 - Liquid detergents for all types of fabric or designated detergents only for wool
- For better washing performance and whitening, use detergent with the general powdered bleach.
- Detergent is flushed from the dispenser at the beginning of the 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 : 3/4 of the normal amount
- Minimum load : 1/2 of full load

Adding Detergent and Fabric Softener

Adding Detergent

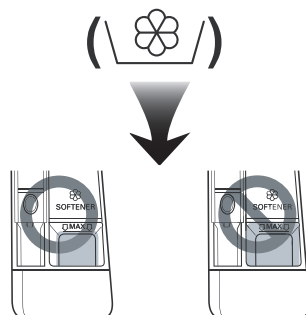
- Main wash only → 
- Pre wash+Main wash → 

NOTE

- Too much detergent, bleach or softener may cause an overflow.
- Be sure to use the appropriate amount of detergent.

Adding Fabric Softener

- Do not exceed the maximum fill line. Overfilling can cause early dispensing of the fabric softener, which may stain clothes. Close the dispenser drawer slowly.



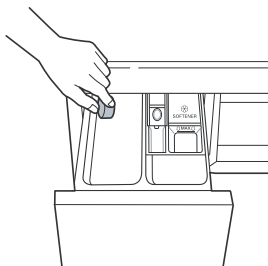
- Do not leave the fabric softener in the detergent drawer for more than 2 days (Fabric softener may harden).
- Softener will automatically be added during the last rinse cycle.
- Do not open the drawer when water is being supplied.
- Solvents (benzene, etc.) must not be used.

NOTE

- Do not pour fabric softener directly on the clothes.

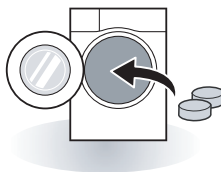
Adding Water Softener

- A water softener, such as anti-limescale can be used to cut down on the use of detergent in extremely hard water areas. Dispense according to the amount specified on the packaging. First add detergent and then the water softener.
- Use the quantity of detergent required for soft water.

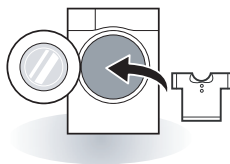


Using Tablet

- 1 Open the door and put tablets into the drum.



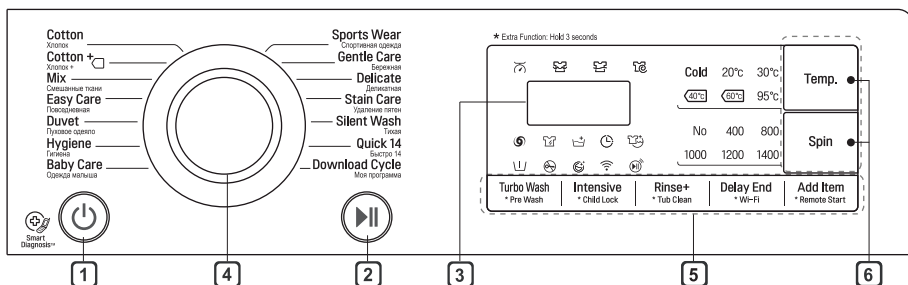
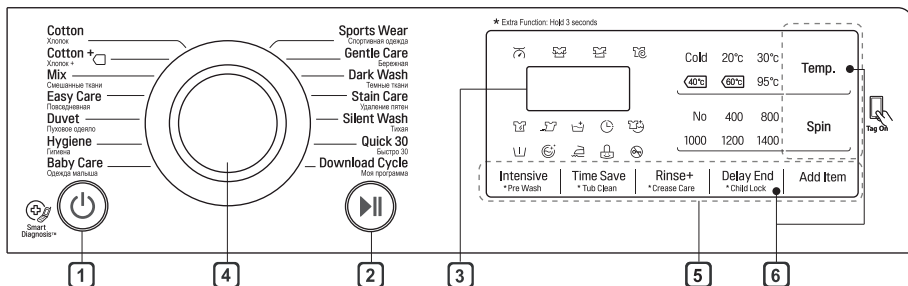
- 2 Load the laundry into the drum and close the door.



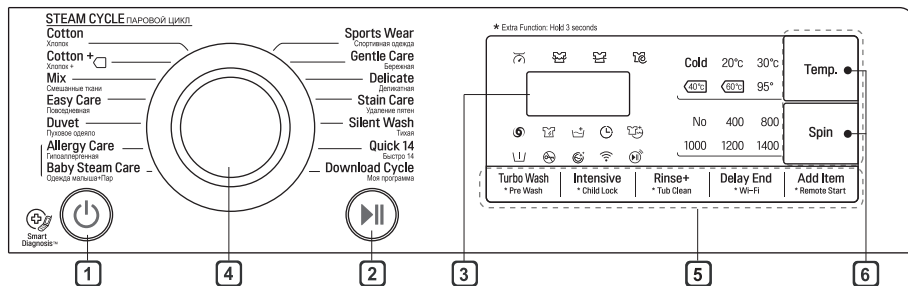
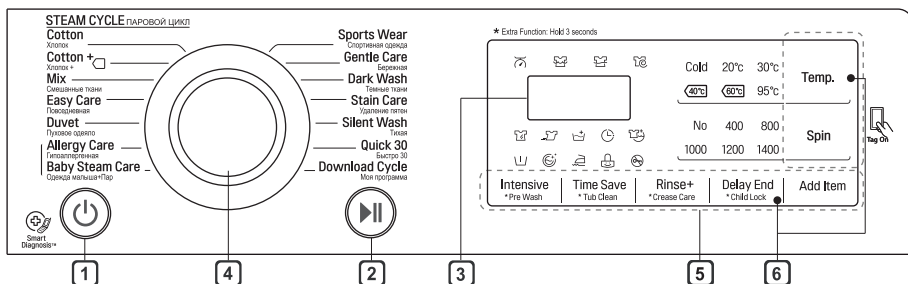
Control Panel

- Appearance of the control panel may differ from that shown in the pictures.

For models without additional functions:

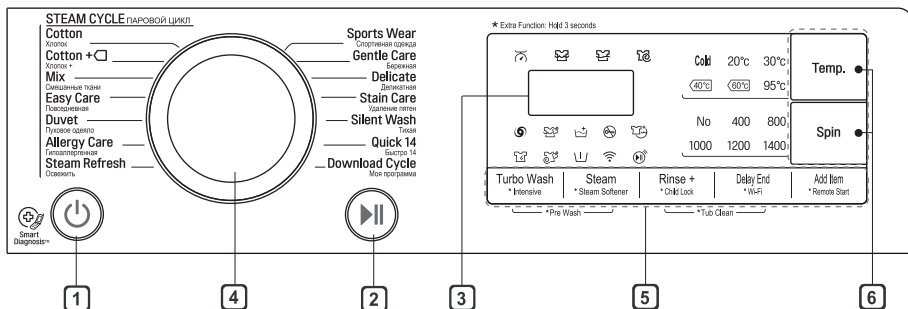


For models with steam function:

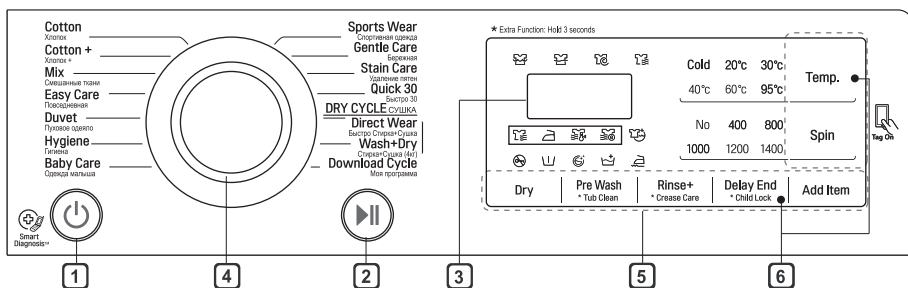


Control Panel

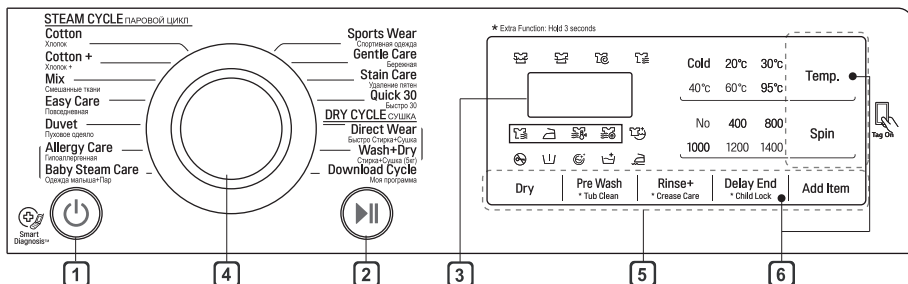
For models with the steam function:



For models with drying function:

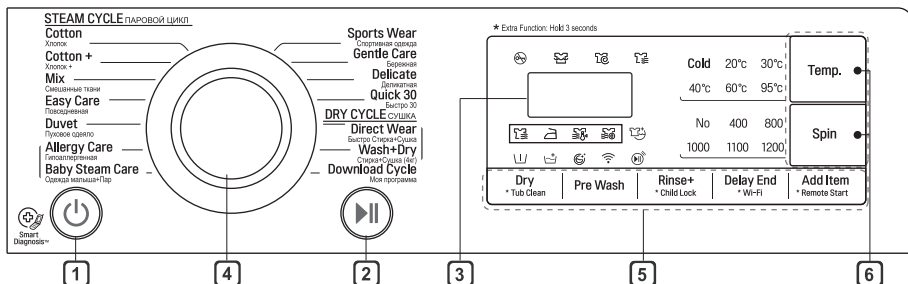


For models with drying and steam function:



Control Panel

For models with drying and steam function:



Control Panel

1 Power Button

- Press the **Power** button to turn the washing machine on.

2 Start/Pause Button

- This **Start/Pause** button is used to start the wash cycle or pause the wash cycle.
- If a temporary stop of the wash cycle is needed, press the **Start/Pause** button. If you do not press the **Start/Pause** button again for a certain time, the washing machine will turn off and settings will be reset.

3 Display

- The display shows the settings, estimated time remaining, options, and status messages. When the product is turned on, the default settings in the display will illuminate.

- The display shows estimate time remaining.
- While the size of the load is being calculated automatically, blinking or 'Detecting' appears.

4 Programme Knob

- Programmes are available according to the laundry type.
- The lamp will light up to indicate the selected programme.

5 Options

- This allows you to select an additional programme and will light when selected.
- In order to use the Remote Start function, refer to SMART FUNCTIONS.

6 Beep On / Off

- Press and hold marked buttons simultaneously for 3 seconds.

Programme Table

Washing Programme (available depending on the model)

Programme	Description	Fabric Type	Proper Temp.	Maximum Load(kg)				
				4	5, 6.5	6	7	8, 9
Cotton/ Хлопок	Provides better performance by combining various drum motions.	Coloured fast garments (shirts, nightdresses, pajamas, etc.) and normally soiled cotton load (underwear).	40°C (Cold - 95°C)	Max				
Cotton+/ Хлопок+	Provides optimised washing performance for large amount of laundry with less energy consumption.		60°C (Cold - 60°C)					
Hygiene/ Гигиена	Washing cycle in hot water.	Cotton, underwear, pillow covers, bed sheets, baby wear.	60°C	3				
Sports Wear/ Спортивная одежда	Suitable for sports wear such as jogging clothes and running wear.	Coolmax, gore-tex, fleece and sympatex.	40°C (Cold - 40°C)	2				
Mix/ Смешанные ткани	Enables various fabrics to be washed simultaneously.	Various kind of fabrics except special garments (silk/delicate, sports wear, dark clothes, wool, duvet/curtains).	40°C (Cold - 40°C)	2	3			
Silent Wash/ Тихая	Provides less noise and vibration and saves money by using overnight electricity.	Coloured fast garments (shirts, nightdresses, pajamas, etc.) and lightly soiled white cotton (underwear).	40°C (Cold - 60°C)	2	3	4.5		
Dark Wash/ Темные ткани	Helps to prevent decolorization (Use detergent for colored fabrics).	Dark garments made from cotton or mixed fabrics.	20°C (Cold - 40°C)	2				
Easy Care/ Повседневная	Suitable for casual shirts that do not need ironing after washing.	Polyamide, acrylic, polyester.	40°C (Cold - 60°C)	2	3			
Delicate/ Деликатная	For delicate clothes such as underwear, blouses, etc.	Delicate, easily damaged laundry.	20°C (Cold - 40°C)	2				
Duvet/ Пуховое одеяло	For large items such as bed covers, pillows, sofa covers, etc.	Cotton bedding except special garments (delicates, wool, silk, etc.) with filling: duvets, pillows, blankets, sofa covers with light filling.	40°C / Cold* (Cold - 40°C)	1 single size				
Baby Care/ Одежда малыша	Gently erases things and provides better results when rinsing.	Linen for children and babies.	60°C	2	3	4.5		
Quick 30/ Быстро 30	Provides fast washing time for small loads and lightly soiled clothes.	Lightly soiled cotton fabrics.	20°C (Cold - 40°C)	2				

Programme	Description	Fabric Type	Proper Temp.	Maximum Load(kg)				
				4	5, 6.5	6	7	8, 9
Quick 14/ Быстро 14	This cycle provides fast washing time for small loads and lightly soiled clothes.	Coloured laundry which is lightly soiled fast. CAUTION : Use less than 20g of detergent (for 2.0kg load) otherwise detergent may remain on the clothes.	20°C (20°C - 40°C)	-	1.5			2
Stain Care/ Удаление пятен	Wash off several kinds of stain such as wine, juice, dirt, etc. Water temperature is increased step by step for washing various stains.	Cotton blended fabrics, no delicate clothes.	40°C / 60°C* (30°C - 60°C)	2				3
Gentle Care/ Бережная	The cycle is designed for washing things from wool and delicate fabrics.	Wool, hand washable clothes, delicate, easily damaged laundry.	20°C (Cold - 30°C)					1.5
Steam Refresh/ Освежить	Helps to remove wrinkles within 20 mins with steam, helps reduce creases on the laundry and remove unpleasant odors.	Cotton mixed, polyester mixed dress shirts, blouses.	-					3 items
Allergy Care/ Гипо- аллергенная	Helps to remove allergens such as house mites, pollen, and cat fur.	Cotton, underwear, pillow covers, bed sheets, baby wear.	60°C (60°C - 95°C)*					3
Baby Steam Care/Одежда малыша+Пар	Gently erases things and provides better results when rinsing.	Linen for children and babies.	60°C	2		3		4.5
Wash+Dry/ Стирка+ Сушка	This cycle provides a nonstop process of washing and drying in the same cycle.	A small amount of laundry which can be dried.	40°C (Cold - 95°C)	-		4		5
Direct wear/ Быстро Стирка+ Сушка	Provides washing to drying within 60 mins at once for light soiled 1-3 shirts.	Cotton mixed, polyester mixed dress shirts, blouses.	20°C (20°C - 40°C)					3 items
Download Cycle	For downloadable programmes (p.34 for Wi-Fi models or p.36 for TagOn models). If you did not download any programmes, the default is Rinse+Spin.							

* The temperature may differ depending on the model. The actual water temperature may differ from the stated cycle temperature.

Programme	Fabric Type	Maximum Load (kg)			
		6/4	7/4	8/5	9/5
Normal Eco/ Норма Эко (🌀)	Cotton or linen fabrics such as cotton towels, t-shirts, and linen laundries.	4	4	5	5
Normal/ Стандартная (🌀)					
Iron/ Для глажки (👕)	Cotton or linen fabrics, ready to iron at the end of programme.				
Delicate/ Деликатная (🌀)	For synthetic fabrics.				
Time 30 min.	Cotton, towel.				
Time 60 min.		1.5	1.5	1.5	1.5
Time 90 min. ¹		2.5	2.5	2.5	2.5
Time 120 min.		3	3	3	3
Time 150 min. ¹		4	4	4	4

¹ Not available for models **J7****, **J9****, **H7****, **H9****.

- You can change the drying time according to the maximum load.
- In the "Proper Temp." column in parentheses contains information about the available temperature modes.
- Set program at «**Cotton 60°C** »+«**Intensive**»+maximum spin speed (full Load), for test the data of the energy label in accordance with IEC 60456.
- The test results depend on water pressure, water hardness, water inlet temperature, room temperature, type and amount of load, degree of soiling utilized detergent, fluctuations in the main electricity supply and chosen additional options.
- Time on the display can be reset during the washing process, depending on the time of heating the water.
- In case of incorrect weight load, it will be high possibility to washing machine unbalance and damages.

NOTE

- Neutral detergent is recommended.
- Remove stains before use Steam Refresh program. The drum will continue rotating in order to prevent crease. Press **Power** button for End. The cloth will be slightly wet. Put the cloth on the hanger for a while.
- For models with drying function:
Where the amount of laundry to be washed and dried in one programme does not exceed the maximum weight permitted for the drying programme, washing and drying in one continuous sequence is recommended.
- Do not use tray for pre wash with programs **Одежда малыша+Пар**, **Гипоаллергенная**.

Extra options (available depending on the model)

- Applicable for models without additional functions and models marked Steam™ on the drawer:

J5**, **J6****

Programme	Intensive	Pre Wash*	Time Save	Rinse +	Crease Care*	Delay End	Add Item
Cotton/Хлопок	•	•	•	•	•	•	•
Cotton +/Хлопок +		•	•	•	•	•	•
Mix/Смешанные ткани	•	•	•	•	•	•	•
Easy Care/Повседневная	•	•	•	•	•	•	•
Duvet/Пуховое одеяло	•			•	•	•	•
Hygiene/Гигиена	•			•	•	•	•
Baby Care/Одежда малыша	•			•	•	•	•
Sports Wear/Спортивная одежда	•			•	•	•	•
Gentle Care/Бережная				•	•	•	•
Dark Wash/Темные ткани	•			•	•	•	•
Stain Care/Удаление пятен		•**		•	•	•	•
Silent Wash/Тихая	•			•	•	•	•
Quick 30/Быстро 30	•	•		•	•***	•	•
Allergy Care/Гипоаллергенная	•			•	•	•	•
Baby Steam Care/Одежда малыша+Пар	•			•	•	•	•
Download Cycle (Rinse+Spin)/ Моя программа (Полоск.+Отжим)				•	•	•	•

- Applicable for models without additional functions and models marked Steam™ on the drawer:

J7**, **J9****

Programme	Turbo Wash	Pre Wash*	Intensive	Rinse +	Delay End	Add Item
Cotton/Хлопок	•	•	•	•	•	•
Cotton +/Хлопок +	•	•		•	•	•
Mix/Смешанные ткани	•	•	•	•	•	•
Easy Care/Повседневная	•	•	•	•	•	•
Duvet/Пуховое одеяло			•	•	•	•
Hygiene/Гигиена			•	•	•	•
Baby Care/Одежда малыша			•	•	•	•
Sports Wear/Спортивная одежда			•	•	•	•
Gentle Care/Бережная				•	•	•
Delicate/Деликатная			•	•	•	•
Stain Care/Удаление пятен		•**		•	•	•
Silent Wash/Тихая			•	•	•	•
Quick 14/Быстро 14	•**			•	•	•
Allergy Care/Гипоаллергенная			•	•	•	•
Baby Steam Care/Одежда малыша+Пар			•	•	•	•
Download Cycle (Rinse+Spin)/ Моя программа (Полоск.+Отжим)				•	•	•

*: The option is activated by holding the button for three seconds.

** : This option is automatically included in the cycle and can not be deleted.

: Available for models: *T***, ****Q***, ****V***

- Applicable for models with marked TrueSteam™ on the drawer:

J7**, **J9****

Programme	Turbo Wash	Intensive*	Steam	Steam Softener*	Rinse +	Medic Rinse	Delay End	Add Item	Pre Wash*
Cotton/Хлопок	•	•	•	•	•	•	•	•	•
Cotton +/Хлопок +	•		•	•	•	•	•	•	•
Mix/Смешанные ткани	•	•	•	•	•	•	•	•	•
Easy Care/Повседневная	•	•	•	•	•	•	•	•	•
Duvet/Пуховое одеяло		•	•		•		•	•	
Allergy Care/Гипоаллергенная		•	•**		•	•	•	•	
Steam Refresh/Освежить			•**					•	
Sports Wear/Спортивная одежда		•			•		•	•	
Gentle Care/Бережная					•		•	•	
Delicate/Деликатная		•			•		•	•	
Stain Care/Удаление пятен					•	•	•	•	•**
Silent Wash/Тихая		•			•		•	•	
Quick 14/Быстро 14	•**				•		•	•	
Download Cycle (Rinse+Spin)/ Моя программа (Полоск.+Отжим)					•		•	•	

- For models with drying function:

J5**, **J6****

Programme	Dry	Pre Wash	Rinse +	Crease Care*	Delay End	Add Item
Cotton/Хлопок	•	•	•	•	•	•
Cotton +/Хлопок +	•	•	•	•	•	•
Mix/Смешанные ткани	•	•	•	•	•	•
Easy Care/Повседневная	•	•	•	•	•	•
Duvet/Пуховое одеяло			•	•	•	•
Hygiene/Гигиена	•		•	•	•	•
Baby Care/Одежда малыша	•		•	•	•	•
Sports Wear/Спортивная одежда			•	•	•	•
Gentle Care/Бережная			•	•	•	•
Stain Care/Удаление пятен	•	•**	•	•	•	•
Direct wear/Быстро Стирка+Сушка	•**				•	•
Wash+Dry/Стирка+Сушка	•**	•	•		•	•
Quick 30/Быстро 30	•	•	•	•***	•	•
Allergy Care/Гипоаллергенная	•		•	•	•	•
Baby Steam Care/Одежда малыша+Пар	•		•	•	•	•
Download Cycle (Rinse+Spin)/ Моя программа (Полоск.+Отжим)	•		•	•	•	•

*: The option is activated by holding the button for three seconds.

** : This option is automatically included in the cycle and can not be deleted.

*** : Available for models: **** TM **, **** TG **, **** TV **

For selection another parameters, please select suitable course.

- For models with drying function:

J7**, **J9****

Program	Dry	Pre Wash	Rinse +	Delay End	Add Item
Cotton/Хлопок	•	•	•	•	•
Cotton +/Хлопок +	•	•	•	•	•
Mix/Смешанные ткани	•	•	•	•	•
Easy Care/Повседневная	•	•	•	•	•
Duvet/Пуховое одеяло			•	•	•
Allergy Care/Гипоаллергенная	•		•	•	•
Baby Steam Care/Одежда малыша+Пар	•		•	•	•
Sports Wear/Спортивная одежда			•	•	•
Gentle Care/Бережная			•	•	•
Delicate/Деликатная			•	•	•
Direct wear/Быстро Стирка+Сушка	•**			•	•
Wash+Dry/Стирка+Сушка	•**	•	•	•	•
Quick 30/Быстро 30	•	•	•	•	•
Download Cycle (Rinse+Spin)/ Моя программа (Полоск.+Отжим)	•		•	•	•

*: The option is activated by holding the button for three seconds.

** : This option is automatically included in the cycle and can not be deleted.

Operating Data (depending on the model)

	Program	RPM max	
		*2**	*4**
Wash	Cotton/Хлопок	1200	1400
	Cotton +/Хлопок +	1200	1400
	Mix/Смешанные ткани	1200	1400
	Easy Care/Повседневная	1000	1000
	Duvet/Пуховое одеяло	1000	1000
	Hygiene/Гигиена	1200	1400
	Baby Care/Одежда малыша	1000	1000
	Gentle Care/Бережная	800	800
	Sports Wear/Спортивная одежда	800	800
	Dark Wash/Темные ткани	1200	1400
	Stain Care/Удаление пятен	1200	1400
	Silent Wash/Тихая	1000	1000
	Quick 30/Быстро 30	1200	1400
	Delicate/Деликатная	800	800
	Quick 14/Быстро 14	800	800
Steam cycle	Allergy Care/Гипоаллергенная	1200	1400
	Steam Refresh/Освежить	-	-
	Baby Steam Care/Одежда малыша+Пар	1000	1000
Dry	Direct wear/Быстро Стирка+Сушка	(1000 / 1200) ¹	(1000 / 1400) ¹
	Wash+Dry/Стирка+Сушка	1200	1400

¹:RPM max depends of the model.

Option Programme (available depending on the model)

Delay End (🕒)

You can set a time delay so that the washing machine will start automatically and finish after a specified time interval.

- 1 Press the **Power** button.
- 2 Select a washing programme.
- 3 Press the **Delay End** button to set time required.
- 4 Press the **Start/Pause** button.

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, wash load and other factors.
- To cancel the function **Delay End** the **Power** button should be pressed.
- Avoid using liquid detergent for this option.

Crease Care (👔)

If you want to prevent creasing, the **Crease Care** programme is recommended.

- 1 Press the **Power** button.
- 2 Select a washing programme.
- 3 Press the **Crease Care** button.
- 4 Press the **Start/Pause** button.

Intensive (🧺)

If the laundry is normal and heavily soiled, **Intensive** option is effective.

- 1 Press the **Power** button.
- 2 Select a washing programme.
- 3 Press the **Intensive** button.
- 4 Press the **Start/Pause** button.

Pre Wash (🧼)

If the laundry is heavily soiled, the **Pre Wash** programme is recommended.

- 1 Press the **Power** button.
- 2 Select a washing programme.
- 3 Press the **Pre Wash** button or a combination of buttons.
- 4 Press the **Start/Pause** button.

Spin

- Spin speed level can be selected by pressing the **Spin** button repeatedly.

Spin Only

- 1 Press the **Power** button.
- 2 Press the **Spin** button to select RPM.
- 3 Press the **Start/Pause** button.

NOTE

- When you select Без отжима (**NO**) it will still rotate for a short time to drain quickly.

Temp.

The **Temp.** button selects the wash and rinse temperature combination for the selected cycle.

- Select the water temperature suitable for the type of load you are washing. Follow the garment fabric care labels for best results.

Time Save (🕒)

This option can be used to reduce the time of a wash programme. It is best used on lightly soiled loads.

- 1 Press the **Power** button.
- 2 Select a washing programme.
- 3 Press the **Time Save** button.
- 4 Press the **Start/Pause** button.

Rinse+ (👑)

Additional rinse cycle.

Medic Rinse ()

For best results or for cleaner rinsing. This allows the final rinse to be heated to 40°C.

- 1 Press the **Power** button.
- 2 Select a programme and press the **Medic Rinse** button.
- 3 Press the **Start/Pause** button.

Turbo Wash ()

Wash cycle in under 1 hour with energy and water saving. (based on half of laundry)

- 1 Press the **Power** button.
- 2 Select a washing programme.
- 3 Press the **Turbo Wash** button.
- 4 Press the **Start/Pause** button.

Add Item ()

Laundry can be added or removed after the washing programme is started.

- 1 Press the **Add Item** button when the LED () is turned on.
- 2 Add or remove laundry.
- 3 Close the door and Press the **Start/Pause** button.

NOTE

- For safety reasons, the door remains locked when the water level or temperature is high. It is not possible to add laundry during this time.
- If the water temperature in the drum is high, wait until it cools down.

CAUTION!

- When adding laundry, make sure to completely push it into the drum. If laundry gets stuck in the door latch hole, the rubber packing may be damaged, causing water leakage and malfunction.
- Forcing the door open may cause part damage, destruction, or safety problems.
- If you pressed button **Add Item** and the indicator is not active, do not leave the machine unattended and immediately continue washing by pressing the button **Start/Pause**.

- If you open the door while there are a lot of suds and water in the drum, the suds or water may flow, causing burn injury or wet floor.

Steam (available depending on the model)

Steam Wash () features enhanced washing performance with low energy consumption.

Steam Softener () sprays steam after a spinning cycle to reduce creases and make the laundry fluffy.

If the laundry is normal and heavily soiled, **Intensive** option is effective.

- 1 Press the **Power** button.
- 2 For Steam Wash option, select steam programmes, marked as STEAM CYCLE.
- 3 Press the **Steam** button to turn ON/OFF the **Steam Wash**.
Press and hold the **Steam Softener** button for 3 seconds to turn ON/OFF the **Steam Softener** function.
Both functions can be selected at the same time.

- 4 Press the **Start/Pause** button.

NOTE

- Do not use the steam modes to wash woolen, silk and easily losing color fabrics.
- Option is not available on temperature mod: "Cold".

Wi-Fi ()

Set the Wi-Fi connection. When Wi-Fi is connected, the Wi-Fi icon () on the control panel is lit.

Remote Start ()

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

NOTE

- You must first connect to a gateway and register your appliance in order to use the **Remote Start** function. (Refer to 'SMART FUNCTIONS').

To Use Remote Start:

- 1 Press the **Power** button.
- 2 Put the laundry in drum.
- 3 Press and hold Remote Start button for 3 seconds to enable **Remote Start** function.
- 4 Start a cycle from the LG Smart ThinQ application on your smart phone.

NOTE

- If you do not start your appliance, it will wait to start a cycle until you turn off your appliance from the application or disable the **Remote Start** function.
- When **Remote Start** is turned on, the door is automatically locked.

To Disable Remote Start:

When the **Remote Start** is activated, press and hold Remote Start button for 3 seconds.

NOTE

- When the Remote Start is activated, press and hold **Remote Start** button for 3 seconds.

Dry () (available depending on the model)

To set the drying time, press the **Dry** button until the desired time is selected.

- Cold water tap must be left on during drying cycles.
- If you turn off the machine during drying, the fan motor of the dryer will continue to work for some time. Symbols are displayed  . After the cooling has completed, the machine will finish.
- During last 6 minutes drying sensor is examines into the drying conditions. If the drying result is not satisfied the cycle time will be extended for 10 minutes. The value '6' minutes will be displayed.

- After the end of dry,  is displayed.  means crease decreasing. The drying cycle is already done. Press any buttons and take out clothes. If you do not press the **Start/Pause** button, the programme ends after about 4 hours.

Child Lock ()

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

Locking the Control Panel

- 1 Press and hold the **Child Lock** button.
 - 2 A beeper will sound, and  will appear on the display.
- When the Child Lock is set, all buttons are locked except the **Power** button.

NOTE

- Turning off the power will not reset the child lock function. You must deactivate child lock before you can access any other functions.

Unlocking the Control Panel

- Press and hold the **Child Lock** button.
- A beeper will sound and the remaining time for the current programme will reappear on the display.

Beep On / Off

- 1 Press the **Power** button.
- 2 Press and hold buttons simultaneously for 3 seconds:
 - For models with Wi-Fi (): **Temp.** and **Spin**
 - For models with NFC (): **Temp.** and **Delay End**

NOTE

- Once the Beep on/off function is set, the setting is memorized even after the power is turned off.
- If you want to turn the Beeper off, simply repeat this process.

Using Smart ThinQ Application

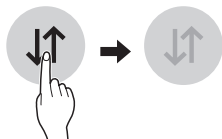
- For appliances with the  or  or  logo
Communicate with the appliance from a smart phone using the convenient smart features.

Wi-Fi Function

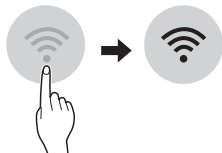
For models: F*H9*, F*H7*, F*J9*, F*J7*

Things to check before using LG SmartThinQ

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



- Connect your smartphone to the wireless router.



NOTE

- To verify the Wi-Fi connection, check that Wi-Fi  icon on the control panel is lit.
- The appliance supports 2.4 GHz Wi-Fi networks only. To check your network frequency, contact your Internet service provider or refer to your wireless router manual.
- LG SmartThinQ is not responsible for any network connection problems or any faults, malfunctions, or errors caused by network connection.

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

Installing LG SmartThinQ

Search for the LG SmartThinQ application from the Google Play Store or Apple App Store on a smart phone. Follow instructions to download and install the application.

Firmware Update

Keep the appliance performance updated.

Smart Diagnosis™

If you use the Smart Diagnosis function, you will be provided with the useful information such as a correct way of using the appliance based on the pattern of use.

Download Cycle

Download new and special cycles that are not included in the basic cycles on the appliance.

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

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

Once cycle download is completed in the appliance, the product keeps the downloaded cycle until a new cycle is downloaded.

Tub Clean Coach

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

Settings

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

NOTE

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

Wireless WLAN Module Specifications

Model	LCW-004
Frequency Range	2412 to 2472 MHz
Output Power(Max)	IEEE 802.11b:17.82 dBm IEEE 802.11g:17.72 dBm IEEE 802.11n:16.61 dBm

Wireless function S/W version : V 1.0

Open Source Software Notice Information

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

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

LG Electronics will also provide open source code 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 for a period of three years after our last shipment of this product. This offer is valid to anyone in receipt of this information.

Smart Diagnosis™ Using a Smart Phone

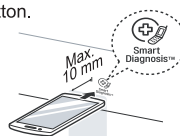
For appliances with the  or  logo. Use this function if you need an accurate diagnosis by an LG Electronics customer information centre when the appliance malfunctions or fails.

Smart Diagnosis™ can not be activated unless the appliance is connected to power. If the appliance is unable to turn on, then troubleshooting must be done without using Smart Diagnosis™.

Using Smart Diagnosis™

Use this function if you need an accurate diagnosis by an LG Electronics customer information center when the appliance malfunctions or fails. Use this function only to contact the service representative, not during normal operation.

- 1 Press the **Power** button to turn on the washing machine. Do not press any other buttons or turn the programme selector knob.
- 2 When instructed to do so by the call centre, place the mouthpiece of your phone close to the **Power** button.



- 3 Press and hold the **Temp.** button for three seconds, while holding the phone mouthpiece to the icon or **Power** button.
- 4 Keep the phone in place until the tone transmission has finished. Time remaining for data transfer is displayed.

- For best results, do not move the phone while the tones are being transmitted.
- If the call centre agent is not able to get an accurate recording of the data, you may be asked to try again.



- 5 Once the countdown is over and the tones have stopped, resume your conversation with the call centre agent, who will then be able to assist you using the information transmitted for analysis.

NOTE

- The Smart Diagnosis™ function depends on the local call quality.
- The communication performance will improve and you can receive better service if you use the home phone.
- If the Smart Diagnosis™ data transfer is poor due to poor call quality, you may not receive the best Smart Diagnosis™ service.

Using the Tag On Function

For models: F*H6*, F*H5*, F*J6*, F*J5*

The Tag On function can only be used with most smart phones equipped with the NFC (Near Field Communication) function and based on the Android OS (operating system).

NOTE

- Press  in the LG SmartThinQ application for a more detailed guide on how to use the Tag On function.
- The location of the smartphone's NFC module may vary depending on the phone, and NFC use may be restricted on some smartphones due to differences in transmission methods. Because of the characteristics of NFC, if the transmission distance is too far, or if there is a metal sticker or a protective case on the phone, transmission will not be good. In some cases, NFC-equipped phones may be unable to transmit successfully.
- The content found in this manual may differ from the current version of the LG SmartThinQ application, and the software may be modified without informing customers.
- NFC function would vary depending on smart phones.

WARNING!

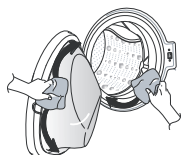
- Unplug the washing machine before cleaning to avoid the risk of electric shock. Failure to follow this warning may result in serious injury, fire, electric shock, or death.

Never use harsh chemicals, abrasive cleaners, or solvents to clean the washing machine. They may damage the finish.

Cleaning Your Washing Machine

Care After Wash

- After the cycle is finished, wipe the door and the inside of the door seal to remove any moisture.
- Leave the door open to dry the drum interior.
- Wipe the body of the washing machine with a dry cloth to remove any moisture.



Cleaning the Exterior

Proper care of your washing machine can extend its life.

- It is required to clean the external parts of washing machine using wet material with neutral cleanser which does not contain abrasive parts. Remove remains of wet using clear and dry fabric.

NOTE

- Do not wipe the machine with ethyl alcohol, solvents, chlorine-containing products and other similar substances.

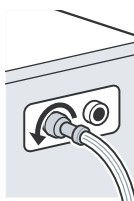
Cleaning the Interior

- Use a towel or soft cloth to wipe around the washing machine door opening and door glass.
- 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.
- Run the Tub Clean programme once a month (or more often if needed) to remove detergent buildup and other residue

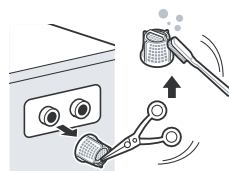
Cleaning the Water Inlet Filter

- Turn off the supply taps to the machine if the washing machine is to be left for any length of time (e.g. holiday), especially if there is no floor drain (gully) in the immediate vicinity.
-   icon will be displayed on the control panel when water is not entering the detergent drawer.
- If water is dirty, use a filter on the main pipe.
- If water is very hard or contains traces of lime deposit, the water inlet filter may become clogged. It is therefore a good idea to clean it occasionally.

- 1 Turn off the water tap and unscrew the water supply hose.



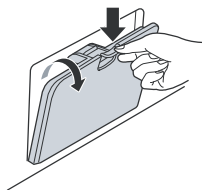
- 2 Clean the filter using a hard bristle brush.



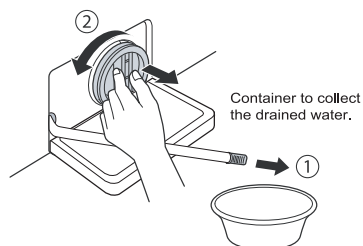
Cleaning the Drain Pump Filter

- The drain filter collects threads and small objects left in the laundry. Check regularly that the filter is clean to ensure smooth running of your washing machine.
- Allow the water to cool down before cleaning the drain pump, carrying out emergency emptying, or opening the door in an emergency.

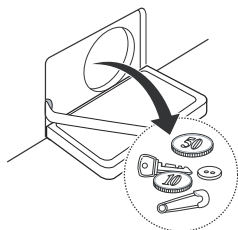
- 1** Open the cover cap and pull out the hose.



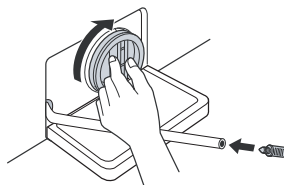
- 2** Unplug the drain plug and open the filter by turning it to the left.



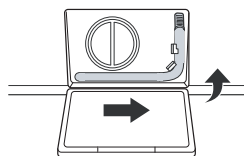
- 3** Remove any extraneous matter from the pump filter.



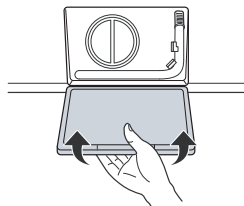
- 4** After cleaning, turn the pump filter and insert the drain plug.



- 5** Place the drain hose.



- 6** Close the cover cap.



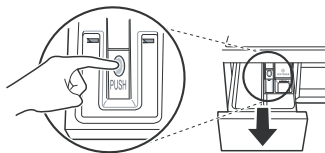
⚠ CAUTION!

- First drain using the drain hose and then open the pump filter to remove any threads or objects.
- Be careful when draining, as the water may be hot.

Cleaning the Dispenser Drawer

Detergent and fabric softener may build up in the dispenser drawer. Remove the drawer and inserts and check for buildup once or twice a month.

- 1 Remove the detergent dispenser drawer by pulling it straight out until it stops.
 - Press down hard on the disengage button and remove the drawer.



- 2 Remove the inserts from the drawer.
 - Rinse the inserts and the drawer with warm water to remove buildup from laundry products. Use only water to clean the dispenser drawer. Dry the inserts and drawer with a soft cloth or towel.
- 3 To clean the drawer opening, use a cloth or small, non-metal brush to clean the recess.
 - Remove all residue from the upper and lower parts of the recess.
- 4 Wipe any moisture off the recess with a soft cloth or towel.
- 5 Return the inserts to the proper compartments and replace the drawer.
- 6 Clean inside the recess with an brush.
- 7 Insert the dispenser drawer.
- 8 After cleaning, turn on the washing machine in rinse mode.

Tub Clean (⊖)

Tub Clean is a special programme to clean the inside of the washing machine.

A higher water level is used in this programme at higher spin speed. Perform this programme regularly.

- 1 Remove any clothing or items from the washing machine and close the door.
- 2 Power on and then press and hold **Tub Clean** button or a combination of buttons for 3 seconds. Then **EC L** will be displayed on the display.
- 3 Press the **Start/Pause** button to start.
- 4 After the programme is complete, leave the door open to allow the washing machine door opening, flexible gasket and door glass to dry.



CAUTION!

- If there is a child, be careful not to leave the door open for too long.

NOTE

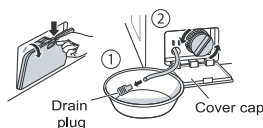
- Do not add any detergent to the detergent compartments. Excessive suds may generate and leak from the washing machine.
- The Tub Clean program is not available for all models.

Caution on Freezing During Winter

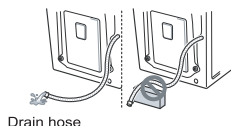
- When frozen, the product does not operate normally. Make sure to install the product where it will not freeze during winter.
- In case the product must be installed outside on a porch or in other outdoor conditions, make sure to check the following.

How to Keep the Product from Freezing

- After washing, remove water remaining inside the pump completely with the opening hose plug used for removal of residual water. When the water is removed completely, close the hose plug used for removal of residual water and cover cap.

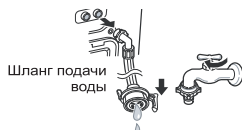


- Hang down drain hose to pull out water inside the hose completely.



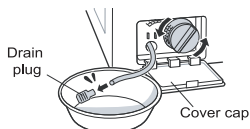
CAUTION!

- When the drain hose is installed in a curved shape, the inner hose may freeze.
- After closing the tap, disconnect the cold supply hose from the tap, and remove water while keeping the hose facing downwards.



Check for Freezing

- If water does not drain when opening the hose plug used for removal of residual water, check the drainage unit.

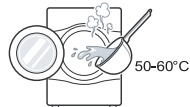


NOTE

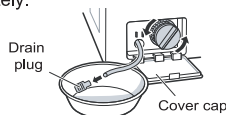
- Check that water is coming into the detergent drawer while rinsing, and water is draining through the drain hose while spinning.

How to Handle Freezing

- Make sure to empty the drum, pour warm water of 50–60 °C up to the rubber part inside the drum, close the door, and wait for 1–2 hours.

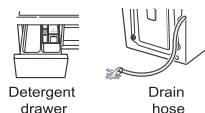


- Open the cover cap and hose plug used for removal of residual water to extract water completely.



NOTE

- If water does not drain, this means the ice is not melted completely. Wait more.
- When water is removed completely from the drum, close the hose plug used for removal of residual water, choose a washing programme, and press the **Start/Pause** button.



NOTE

- Check that water is coming into the detergent drawer while rinsing, and water is draining through the drain hose while spinning.
- When water supply problems occur, take the following measures.
 - Turn off the tap, and thaw out the tap and both connection areas of inlet hose of the product using a hot water cloth.
 - Take out inlet hose and immerse in warm water below 50–60 °C.



Diagnosing Problems

Symptoms	Reason	Solution
Rattling and clanking noise	Foreign objects such as coins or safety pins may be in drum or pump.	- Check all pockets to make sure that they are empty. Items such as clips, matches, pens, coins, and keys can damage both your washer and your clothes. - Close zippers, hooks, and drawstrings to prevent these items from snagging or tangling on other clothes.
Thumping sound	Heavy wash loads may produce a thumping sound. This is usually normal.	If sound continues, washing machine is probably out of balance. Stop and redistribute wash load.
Vibrating noise	Have all the transit bolts and tub support been removed?	If not removed during installation, refer to Installation guide for removing transit bolts.
	Are all the feet resting firmly on the ground?	Make sure the washing machine is level and tighten the lock nuts up towards the base of the appliance.
Water leaks	Supply hoses or drain hose are loose at tap or washing machine.	Check and tighten hose connections.
	House drain pipes are clogged.	Unclog drain pipe. Contact plumber if necessary.
Oversudsing	Too much detergent or unsuitable detergent may cause excessive foaming which may result in water leaks.	Make sure that the suggested amount of detergent is used per the manufacturer's recommendations.
Water does not enter washing machine or it enters slowly	Water supply is not adequate in that location.	Check another tap in the house.
	Water supply tap is not completely open.	Fully open tap.
	Water supply hose(s) are kinked.	Straighten hose.
	The filter of the supply hose(s) clogged.	Check the filter of the supply hose.
Water in the washing machine does not drain or drains slowly.	Drain hose is kinked or clogged.	Clean and straighten the drain hose.
	The drain filter is clogged.	Clean the drain filter.
Dry problem	Check water supply tap.	- Do not overload. Check that the washing machine is draining properly to extract adequate water from the load. Clothes load is too small to tumble properly. Add a few towels. - Turn on water supply tap.
Washing machine does not start	Electrical power cord may not be plugged in or connection may be loose.	Make sure plug fits tightly in wall outlet.
	House fuse blown, circuit breaker tripped, or a power outage has occurred.	Reset circuit breaker or replace fuse. Do not increase fuse capacity. If problem is a circuit overload, have it corrected by a qualified electrician.
	Water supply tap is not turned on.	Turn on water supply tap.
Door does not open	Once washing machine has started, the door cannot be opened for safety reasons.	Check if the 'Door Lock'  icon is illuminated. You can safely open the door after the 'Door Lock' icon turns off.

Symptoms	Reason	Solution
Washing machine will not spin	Check that the door is firmly shut.	Close the door and press the Start/Pause button. After pressing the Start/Pause button, it may take a few moments before the washing machine begins to spin. The door must be locked before spin can be achieved. Add 1 or 2 similar items to help balance the load. Rearrange load to allow proper spinning.
Wash cycle time delayed	If an imbalance is detected or if the suds removing programme is on, the wash time will increase.	This is normal. The time remaining shown in the display is only an estimate. Actual time may vary.
Fabric softener overflow	Too much softener may cause an overflow.	Follow softener guidelines to ensure appropriate amount is used. Do not exceed the maximum fill line.
Softeners dispensed too early	Too much softener may cause an premature dispensing.	- Follow the guidelines provided by the detergent manufacturer. - Close the dispenser drawer slowly. Do not open the drawer during the wash cycle.
Odor	This odor is caused by the rubber attached to the washing machine.	It is the normal odor of new rubber and will disappear after the machine has been run a few times.
	If the rubber door gasket and door seal area are not cleaned regularly, odors can occur from mold or foreign substances.	Be sure to clean the gasket and door seal regularly and check under the door seal for small items when unloading the washer.
	Odors can occur if foreign substances are left in the drainage pump filter.	Be sure to clean the drainage pump filter regularly.
	Odors can occur if the drainage hose is not properly installed, causing siphoning (water flowing back inside the washing machine).	When installing the drainage hose, be sure that it doesn't become kinked or blocked.
	Using the dry function, odors can occur from lint and other laundry matter sticking to the heater. (Dryer model only)	This is not a malfunction.
	A particular odor can occur from drying wet clothes with hot air. (Dryer model only)	The odor will disappear after a short while.
Your home appliance and smartphone is 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 SmartThinQ.
	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.)
	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.

Symptoms	Reason	Solution
Remain detergent of items after washing.	Too much detergent or softener use.	Decrease amount of detergent or softener based on load capacity, detergent's manufacture recommendation and water hardness in your region.
Low water level in the tank.	Selected washing program with low water consumption.	Select the washing program and options according to the volume of loading and the degree of contamination. NOTICE LG is committed to the efficient use of resources and reduce your utility costs, so this washing machine uses washing algorithms with low water consumption.

Error Messages

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

Symptoms	Reason	Solution
	Water supply is not adequate in area.	Check another tap in the house.
	Water supply taps are not completely open.	Fully open tap.
	Water supply hose(s) are kinked.	Straighten hose(s).
	The filter of the supply hose(s) are clogged.	Check the filter of the supply hose.
	If water leakage occurred in the aqua stop supply hose, indicator A will become red.  May vary depending on the model.	Use the aqua stop supply hose.
	Load is too small.	Add 1 or 2 similar items to help balance the load.
	Load is out of balance.	Add 1 or 2 similar items to help balance the load.
	The appliance has an imbalance detection and correction system. If individual heavy articles are loaded (e.g. bath mat, bath robe, etc.) this system may stop spinning or even interrupt the spin cycle altogether.	Rearrange load to allow proper spinning.
	If the laundry is still too wet at the end of the cycle, add smaller articles of laundry to balance the load and repeat the spin cycle.	Rearrange load to allow proper spinning.

Symptoms	Reason	Solution
 	Drain hose is kinked or clogged.	• Clean and straighten the drain hose.
  	The drain filter is clogged.	• Clean the drain filter.
   	Ensure door is not open.	• Close the door completely. If <i>dE</i>, <i>dE1</i>, <i>dE2</i> is not released, call for service.
 	Door sensor has malfunctioned.	• If <i>dE4</i> is not released, call for service.
 	Control error.	• Unplug the power plug and call for service.
 	Water overfills due to the faulty water valve.	• Close the water tap. • Call for service.
 	Malfunction of water level sensor.	• Close the water tap. • Unplug the power plug. • Call for service.
 	Over load in motor.	• Allow the washing machine to stand for 30 minutes to allow the motor to cool, then restart the cycle.
 	Water leaks.	• Close the water tap. • Call for service.
	Does not dry.	• Call for service.
 	Is supply/drain hose or drain pump frozen?	• Supply warm water into the drum and unfreeze drain hose and drain pump. Wet a towel in warm water and apply to supply hose.

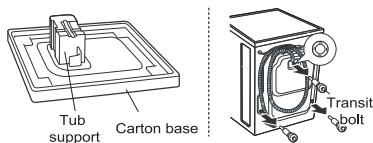
- The display view and list of available error messages may vary depending on the model.

THIS LIMITED WARRANTY DOES NOT COVER:

- Service trips to deliver, pick up, or install or repair the product; instruction to the customer on operation of the product; repair or replacement of fuses or correction of wiring or plumbing, or correction of unauthorized repairs/installation.
- Failure of the product to perform during power failures and interruptions or inadequate electrical service.
- Damage caused by leaky or broken water pipes, frozen water pipes, restricted drain lines, inadequate or interrupted water supply or inadequate supply of air.
- Damage resulting from operating the Product in a corrosive atmosphere or contrary to the instructions outlined in the Product's owner's manual.
- Damage to the Product caused by accidents, pests and vermin, lightning, wind, fire, floods, or acts of God.
- Damage or failure caused by unauthorized modification or alteration, or if it is used for other than the intended purpose, or any water leakage where the product was not properly installed.
- Damage or failure caused by incorrect electrical current, voltage, or plumbing codes, commercial or industrial use, or use of accessories, components, or consumable cleaning products that are not approved by LG.
- Damage caused by transportation and handling, including scratches, dents, chips, and/or other damage to the finish of your product, unless such damage results from defects in materials or workmanship.
- Damage or missing items to any display, open box, discounted, or refurbished Product.
- Products with original serial numbers that have been removed, altered, or cannot be readily determined. Model and Serial numbers, along with original retail sales receipt, are required for warranty validation.
- Increases in utility costs and additional utility expenses.
- Repairs when your Product is used in other than normal and usual household use or contrary to the instructions outlined in the Product's owner's manual.
- The removal and reinstallation of the Product if it is installed in an inaccessible location or is not installed in accordance with published installation instructions, including LG's owner's and installation manuals.
- Damage resulting from misuse, abuse, improper installation, repair, or maintenance. Improper repair includes use of parts not approved or specified by LG.

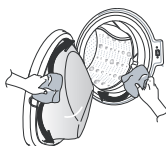
THIS LIMITED WARRANTY DOES NOT COVER

Strange vibration or noise caused by not removing transit bolts or tub support.



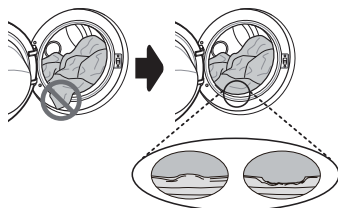
Remove the transit bolts & tub support.

Leakage caused by dirt (hair, lint) on gasket and door glass.



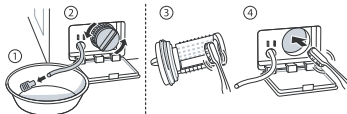
Clean the gasket & door glass.

Leakage caused by the damaged gasket. The gasket is damaged because the clothes are jammed between the door glass and the gasket.



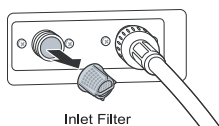
Replace the gasket.

Not draining caused by clogging of pump filter.



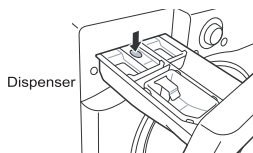
Clean the pump filter.

Water is not coming because water inlet valve filters are clogged or water supply hoses are kinked.



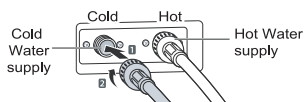
Clean the inlet valve filter or reinstall the water supply hoses.

Water is not coming because too much detergent use.



Clean the detergent dispenser drawer.

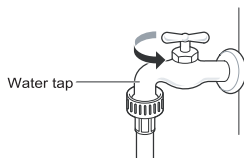
Laundry is hot or warm after finished washing because the supply hoses are installed in reverse.



Reinstall the supply hoses.

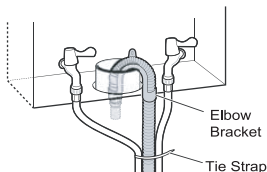
THIS LIMITED WARRANTY DOES NOT COVER

Water is not supplied because the water tap is not turned on.



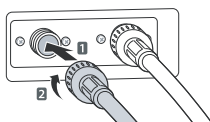
Turn on the water tap.

Leakage caused by improper installation of drain hose or clogged drain hose.



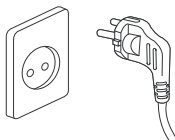
Reinstall the drain hose.

Leakage caused by improper installation of water supply hose or using other brand supply hoses.



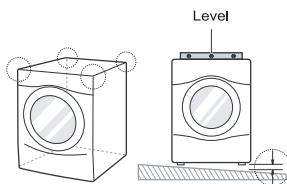
Reinstall the supply hose.

No power problem caused by loose connection of power cord or electrical outlet problem.



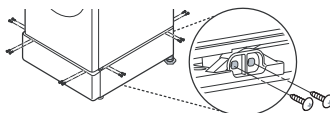
Reconnect the power cord or change the electrical outlet.

Service trips to deliver, pick up, install the product or for instruction on product use. The removal and reinstallation of the product.



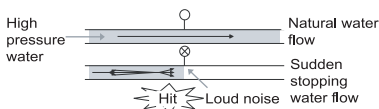
The warranty covers manufacturing defects only. Service resulting from improper Installation is not covered.

If all screws are not installed properly, it may cause excessive vibration (Pedestal model only).



Install 4 screws at each corner (Total 16EA).

Water hammering (banging) noise when washing machine is filling with water.



Adjust the water pressure by turning down the water valve or water tap in the home.



For information on the certification of our instruments, information about the certificate number and its expiration date, you can get a customer support toll-free at LG, indicated on the label located on the body of the washing machine.

The date of manufacture is indicated on the label located behind the door of the washing machine drum or on the body of the washing machine.

Date format: MM / YYYY