MFL70280504

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SEC.	가	나	다		DEGREE	MATERIAL AND PRINTING DESCRIPTION	LG MODEL 명	CLIEFIV	LANGUAGE	PAGE	REMARK
WORK	BRAND	MODEL	P/NO.	EXTERIER	INTERIER	MATERIAL AND PRIMITING DESCRIPTION	LU MUDEL 6	SUFFIX	LANGUAGE	FAGL	NEWARK
04	LG	WTP20WY	MFL70280504	1	1	모조지 80g OFFSET 인쇄	F8K5XNK3	ABWREAP	EN	44	W-module (W)

<< 주기 >>

1. 재질 : 모조지 80g

2. 인쇄 작업

1) G/S(LG) BRAND(FIG1): * 표지 - 1도 : LG RED PANTONE #207

- 2도: LG GRAY PANTONE #430

* 내지 -1도 : BLACK

2) OEM BRAND(FIG2): * 표지 - 1도: BLACK

* 내지 - 1도 : BLACK

3. 문자의 크기 및 형상은 주어진 FILM에 준한다.

4. 책자의 크기는 일반적 규격(국판)에 준한다.

5. 양산 전에 설계 한도를 득할것.

6. 유해물질 관리 기준

:본 부품에 금지물질이 포함되지 않도록 하고. 상세내용은 LG(63)-A-5501-34를 만족할 것.

<< NOTES >>

1. Material: Vellum paper

2. Print work

1) G/S(LG) BRAND(FIG1): * Cover - First color: LG Red Pantone #207

- Second color: LG GRAY PANTONE #430

* Inside - First color : Black

2) OEM BRAND(FIG2): * Cover - First color: Black

* Inside - First color : Black

3. Printing, text size and line are based on LG designg film.

4. Size will Follow the standard.

5. Before product controlled by criteria sample.

6. Standard of supervision for hazardous material

: The part should not contain prohibited substances(Pb,Cd,Hg,Cr+6,PBB,PBDE) and details should comply with LG standard of LG(63)-A-5501-34.

> **PDF ILLUSTRATOR**

DR COMPLETED 도면 DR 완료 완료일: 16.09.19

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LG 전자 (주) RELATED DWG.					DWC			

LG Electronics Inc.

MANUAL,OWNER'S W-module(W) 1/ MFL70280504

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REV. NO.	REVISION DESCRIPTION 벼겨 사항	REF. NO.	DATE 년/왕/인	PREPARED	APPROVED







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.

WTP20WY



MFL70280504 Rev.00_080117

www.lg.com

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

This manual is subject to revision by the manufacturer.

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SAFETY INSTRUCTIONS

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.

IMPORTANT SAFETY INSTRUCTIONS



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.

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 installed and 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 at connecting ends to avoid separation.

- •If the power cord is damaged or the hole of the outlet socket is loose, do not use the power cord and contact an authorized service centre.
- •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 (earthed via the power cord). In the event of malfunction or breakdown, grounding will reduce the risk of electric shock by providing a path of least resistance for electric current.
- •This appliance is equipped with a power cord having an equipment-grounding conductor (earthing pin) and a grounding power plug. The power plug must be plugged into an appropriate socket outlet that is installed and 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.
- •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 use a sharp object like drill or pin to penetrate, modify or disassemble the unit.
- 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.
- •Use a new hose or hose-set supplied with the appliance. Reusing old hoses can cause a water leak and subsequent property damage.
- •Do not reach into the appliance if the tub or agitator is moving.
- •Keep the area underneath and around the appliance free of combustible materials such as lint, paper, rags, chemicals, etc.
- •Do not put animals, such as pets into the appliance.
- •Do not leave the appliance door open. Children may hang on the door or crawl inside the appliance, causing damage or injury.
- •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 wax, oil, paint, gasoline, degreasers, drycleaning solvents, kerosene, vegetable oil, cooking oil, etc.). Improper use can cause a fire or explosion.
- •In case of flood, disconnect the power plug and contact the LG Electronics customer information centre.
- •Do not push down the drawer excessively, when the appliance drawer is open.

- •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.
- •Keep all washing detergents, softener and bleach away from children.
- •Do not touch the power plug or the appliance controls with wet hands.
- •When pulling out the power plug from an outlet, hold the power plug, not the cable.
- Do not bend the power cable excessively or place a heavy object on it.
- •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 instal the Mini Washer on top of another Mini Washer or Pedestal or elevated surface or stand.
- •To avoid breaking the door glass, do not push too hard on the door when closing.
- •Do not step on Mini Washer.
- •Do not wash rugs, mats, shoes or pet blankets, or any other items other than clothes or small sheets, in this machine.
- •This appliance must only be used for domestic household purposes and should not be used in mobile applications.
- •Do not open or close the door by foot.

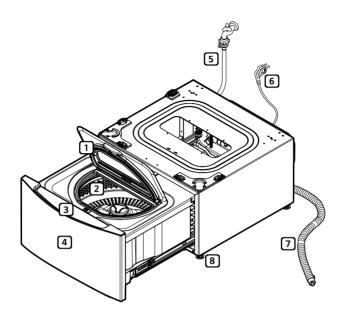
Maintenance

- •Securely plug the power plug in the socket outlet after completely removing any moisture and dust.
- •Disconnect the power cord before cleaning the appliance.
- Never unplug the appliance by pulling on the power cable. Always grip the power plug firmly and pull straight out from the socket outlet.
- •Do not spray water inside or outside the appliance to clean it.

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.

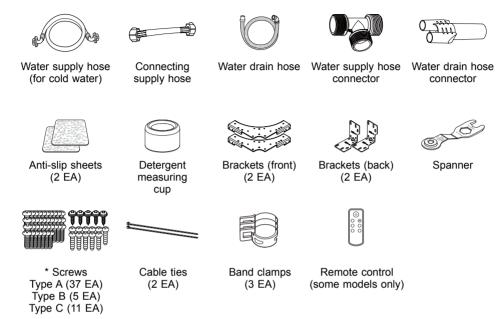
Parts



- 1 Door
- 2 Drum
- 3 Control Panel
- 4 Drawer

- 5 Water Supply Hose
- 6 Power Plug
- 7 Water Drain Hose
- 8 Leveling Feet

Accessories



^{*} Type A: long sheet metal screw, Type B: short sheet metal screw, Type C: machine screw

NOTE

- Different accessories may apply to each model.
- Depending on the installation environment, you may have to purchase a separate drain hose connector. The connector supplied will suit a standard laundry drum side drain hole.
- In addition to the screws required for installation, some extra screws have been provided.

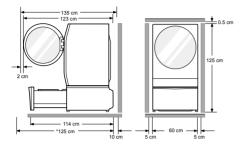
Specifications

Power supply	220 - 240 V~, 50 Hz
Size	600 mm (W) X 700 mm (D) X 365 mm(H)
Product weight	43 kg
Permissible water pressure	0.1 - 0.8 Mpa (1.0 - 8.0 kgf / cm²)
Wash capacity	2 kg

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

Installation Place Requirements

Location



*125 cm: minimum space for installation

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

Power outlet: Must be within 1.5 meters of either side of the location of the appliance.

 Do not overload the outlet with more than one appliance.

Additional Clearance: 5 cm at the sides and 10 cm behind the unit.

 Do not place or store laundry products on top of the appliance at any time. These products may damage the finish or controls.

MARNING

 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. Then, level the Mini Washer before placing the Main washer on top. Lock only the rear feet of the Mini washer after leveling as the two front feet may need readjusting after the Main Washer has been placed on top.
- 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.
- 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 a transit bolt spanner to ensure the appliance is stable, and a clearance of approximately 5 mm is left between the top of the appliance and the underside of any work-top.
- 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.
- Do not use a drip pan as it can block the drawer. Using the drip pan may result in increased vibration and noise during operation.

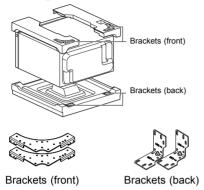
MARNING

 This appliance is not designed for maritime use or for use in mobile installations such as carayans, aircraft etc.

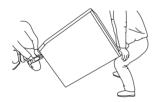
Electrical Connection

- 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 an authorised LG repairer.

Stacking Mini Washer



- The
 error message appears on the display, if the stacking holder is not attached to the bottom of the Main Washer.
- Tilt and hold Main Washer.



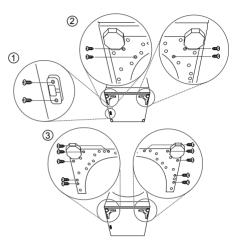
2 Assemble the front brackets and stacking holder at the bottom of Main Washer

NOTE

 The stacking holder and screws needed for assembly are enclosed in the Main Washer, which must be stacked with this Mini Washer.

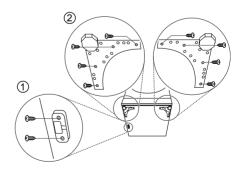
Type 1. Where the bottom part of the Main Washer is silver in color.

 First assemble the stacking holder using 2 type A screws included in the accessory box of the Mini Washer, then each bracket using 7 type A screws included in the accessory box of the Mini Washer.



Type 2. Where the bottom part of the Main Washer is white in color

 First assemble the stacking holder using 2 type C screws included in the accessory box of the Main Washer, then each bracket using 4 type C screws included in the accessory box of the Mini Washer.

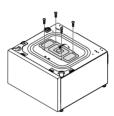


- 3 Pull and save the foam block for future use.
 - If the washing machine must be moved in the future, the foam block will help prevent damage to the washing machine during transportation.

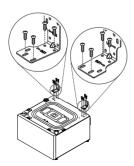


NOTE

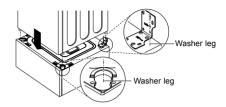
- To prevent damage, do not remove the foam block until Mini Washer is at the final location
- 4 Rotate the top cover 180 degrees. Cover the upper hole with the top cover and install 4 type B screws to fix it in place.



5 Attach the two back brackets on the rear top of the Mini Washer by inserting 4 type A screws in each bracket.



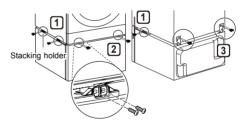
- 6 Carefully place the Main Washer on top of Mini Washer.
 - Make sure the 4 legs are totally wound in and the holes of Mini Washer align with the holes of Main Washer.



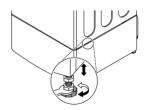
- 7 Securely attach the two appliances at the corners using 14 type A screws.
 - First, insert screws on each side. Then insert screws on the front and back side.

NOTE

- It can be difficult to assemble if it is not assembled in the proper order.
- Use two type C screws to assemble the stacking holder.



8 Turn the feet of the Main Washer slightly until they are firmly snug up against the Mini Washer.



NOTE

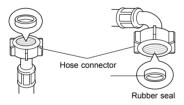
Mini Washer will not work as a standalone unit.

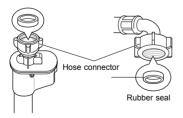
Connecting the Supply Hose

- Water supply pressure must be between 0.1 MPa and 0.8 MPa (100 ~ 800kPa).
- Do not overtighten the water supply hose.
- If the water supply pressure is more than 0.8 MPa, a decompression device should be installed
- Periodically check the condition of the hose even after installation and replace the hose if necessary.
- Contact the service centre if there is no rubber seal fitted to the hose ends.

Checking the Rubber Seal on the Supply Hose

Two rubber seals are supplied with the water supply hoses. They are used for preventing water leaks. Make sure the connection to taps is sufficiently tight. Do not use mechanical devices such as multi grips to tighten the inlet hoses.

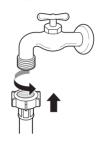




Connecting Hose to Water Tap

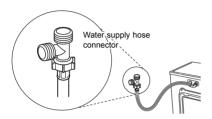
Connecting Screw-Type Hose to Tap with Thread

Screw an inlet hose of the Main washer to the COLD water supply tap.

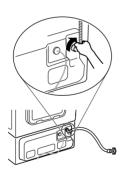


Connecting the Cold Supply Hoses to Both Washing Machines

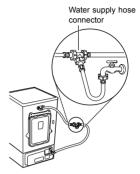
1 Connect one end of the cold water supply hose connector to the cold water supply hose of the Main Washer first. Open the accessory package for the Mini Washer installation accesories.



2 Connect the water supply hose of Mini Washer to the COLD water supply hose connector.



3 Connect the additionally provided water supply hose of Main Washer to the cold water supply hose connector and cold water tap.



NOTE

 Make sure the water supply hose is not kinked or pinched.

Installing the Drain Hose

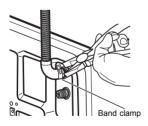
- The drain hose should not be placed higher than 100 cm above the floor. Water in the appliance may not drain or may drain slowly.
- 1 Insert the band clamp onto the drain hose elbow. Pliers may be required to open the clamp so it can be fitted to the rubber end of the hose.



With the hose leading up from the elbow, firmly insert the elbow onto the drain outlet on the back of Mini Washer.

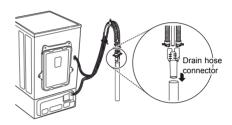


3 Adjust the band clamp with pliers to keep the hose securely in place and prevent leaking.



Using the Drain Hose Connector

- Connect the drain hose of Main Washer and Mini Washer to the drain connector.
- Insert the included band clamps on to the ends of the two drain hoses.
- 3 Push the drain hoses firmly onto the drain connector.



ACAUTION

- Adjust the band clamps to prevent the hoses from coming loose or leaking. Failure to do so could result in flooding. Use of the drain connector helps avoid siphoning, odors, or improper draining.
- Make sure the drain hoses are not kinked or pinched. This is a potential cause of drainage problems or noise.

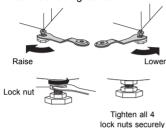
NOTE

 Depending on the installation environment, you may have to purchase a separate drain hose connector. The connector supplied will suit a standard laundry tub side drain hole.

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 on 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 necessary foot or feet again.



WARNING

· After stacking the Main Washer on to the Mini Washer, use the leveling feet on Mini Washer to level both. Main Washer's leveling feet should be already be firmly snug against the Mini Washer and the locknuts turned counter-clockwise to secure them.

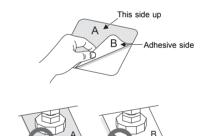
NOTE

• Timber or suspended type flooring will contribute to excessive vibration and unbalance. Re enforcement or bracing of the timber floor may need to be considered to stop or reduce excessive noise and vibration.

Using Anti-Slip Sheets (Optional)

If you install the appliance on a slipperv 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.

- 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.
- Adjust the level after placing the appliance in the installation area
- Place the adhesive side of the anti-slip sheets on the floor.
 - It is most effective to install the anti-slip. sheets under the front feet. If it is difficult to place the pads under the front feet. place them under the back feet.



- 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 from an LG Service Centre or a Hardware store.

Using the Appliance

- 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.
 - Add the proper amount of detergent with the detergent measuring cup to the washing drum evenly.



- 3 Closing the door and drawer.
- 4 Turn on the washing machine.
 - Press the **Power** button to turn on the washing machine.





- 5 Choose the desired washing cycle.
 - Press the cycle button repeatedly until the desired cycle is selected.



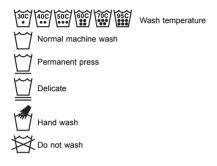
- 6 Begin cycle.
 - Press the Start/Pause button to begin the cycle. The Mini washer will agitate briefly without water to measure the weight of the load. If the Start/Pause button is not pressed within 15 minutes, the washing machine will shut off and all settings will be lost.



- 7 To Add softener.
 - The Mini Washer will chime during the final rinse for approximately 20 seconds. When this occurs, press the Start/Pause button, then slide open the drawer and open the Lid to manually add the softener, and then after closing the lid and drawer, press **Start/Pause** to resume the cycle. If no attempt is made to add softener, the machine will automatically continue to wash 30 seconds after the chime has finished sounding.
- 8 End of cycle.
 - When the cycle is finished, another melody will sound. Immediately remove your clothing from the washing machine to reduce wrinkling and odors.
 - After washing is complete, wipe off the washing machine door, gasket and inside the washing drum with a soft dry towel for clean washing.

Sorting Laundry

- 1 Look for the 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.



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.
- Wash two or more towels or knits together. If washed separately, laundry which absorbs a lot of water may not be washed well or abnormal spin-drying may occur due to an unbalanced load.
- 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. Do not wash heavily soiled loads in this Machine.
- 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.

- Do not wash items that contain support or memory wire such as Bras as it may damage other clothes as well as the washing machine and cause noise and vibration.
- 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.
- If an item of clothing has a long lace attached to it, arrange the lace so it cannot be tangled or put it into a washing net.
- Remove the insides of cushions, pillows, or sitting mats and only wash the cover. The insides may protrude, damaging other laundry. Plastic parts may generate abnormal vibrations.

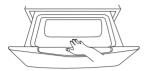


CAUTION

 Divide laundry of large volume for seperate washing so that the laundry can be submerged under water completely. If laundry expands during washing, it may cause damage to the wash load and to the washer's parts during washing or spin.

Closing the Door and Drawer

1 Gently push down on the Mini Washer's Lid until it clicks.



Push the drawer in until it has completely closed.

A CAUTION

- Do not let your hands get stuck between the door and the washing machine, as this can cause injury.
- Forcing the drawer or the Lid to open can cause parts to be damaged and safety problems.
- Closing the drawer before having closed the Lid completely may scratch the Lid glass.
- Ensure the drawer is pulled out completely to prevent the Lid from contacting the front of the upper Main washing machine.

NOTE

- The Lid lock may fail if there is too much laundry in the machine or if the Lid is not completely closed.
- If the product is operating or the drawer lock
 , indicator is displayed, the drawer cannot open. To open the drawer, press the Start/
 Pause button to stop the washer, and when the drawer lock , indicator disappears, open the drawer. Do not force the drawer or the glass Lid open.
- If _uE !, _uEz, _udi warning appears on the display, close the drawer and the Lid completely. After doing so, press the **Start/Pause** button again.
- If the drawer cannot be opened completely, pull the drawer forward with a little force using both hands.
- If power failure occurs during product operation, the door cannot be opened.
 Restore the power again or contact the LG service centre.
- The Lid may not open due to high ambient temperatures, if this occurs after a wash and there are no error codes on the display, select the Rinse+Spin programme or wait until temperatures drop so that the Lid can be released

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. We recommend the use of low sudsing Front loader detergent for use in this Mini Washer.
- 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.

Adding Detergent

Measure the detergent with the detergent dispenser and pour it into the tub.



- Use the provided detergent measuring cup to add only one cup of detergent.
- Less detergent is required for lightly soiled items. Please use appropriate amount of detergent in the Mini Washer. If you use too much detergent, excessive bubbles will remain after rinsing.

Adding Softeners

Adding Fabric Softener CASE 1. When the machine chimes:

- 1 Press Start/Pause to pause the cycle.
 - It can be paused by pressing the Start/ Pause button of the Mini Washer or by using the remote control.
- Slide open the drawer, open the door, and add the liquid fabric softener.
- 3 Close the door, slide the drawer closed, and press Start/Pause to restart the cycle.

NOTE

- To disable or enable the fabric softener alert, press and hold the Extra Rinse button for three seconds
- The fabric softener can be added within 30 seconds after the chime has sounded

CASE 2. If you miss the softener add point:

- Press the **Power** button to interrupt the cycle.
- Slide open the drawer, open the door, and add the liquid fabric softener.
- 3 Close the door, Slide the drawer, and select the Rinse+Spin programme.
- 4 Press the Start/Pause to restart the cycle.

NOTE

- Do not pour fabric softener directly on the clothes.
- The softener can also be diluted with water and added directly into the drum. Do not pour undiluted softener directly onto clothing as it may stain fabrics.

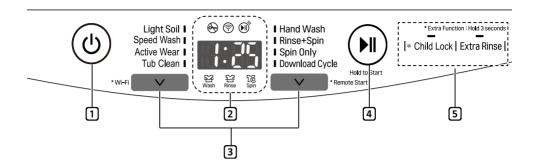
Adding Water Softener

- A water softener, such as anti-limescale (e.g. Calgon) 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.

▲ CAUTION

- Do not directly pour bleach on to the clothes.
 This may cause partial discoloration and severe damage to the load.
- Do not use chlorine bleach or acidic cleaner when washing the laundry, as it can cause damage to clothes such as discoloration of the clothes.

Control Panel



1 Power Button

 Press the Power button to turn the washing machine on, or off if washing hasn't commenced.

2 Display

- The display shows the cycle status and estimated time remaining.
- 🗞: Drawer lock indicator
- (2): Wi-Fi connect indicator
- (Remote start indicator

3 Programme Button

- Programmes are available according to laundry type.
- In order to use the Download Cycle function, refer to SMART FUNCTIONS.

4 Start/Pause Button

- The **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.

NOTE

 If you do not press the Start/Pause button within 15 minutes of selecting a programme, the washing machine automatically turns off and all cycle settings are lost.

5 Options

- Use these buttons to select the desired options for the selected programme. For more information about the options for the each programme, please refer to Extra Options.
- The setting indicator lights above the buttons will illuminate to show the current selection.

Programme Table

Washing Programme

Programme	Description	Note	Maximum Load
Light Soil	Use this programme to wash lightly soiled normal items, except delicate fabrics such as wool or silk.	Pressing the Start/Pause button without selecting a programme will cause the Normal programme to begin immediately using the default settings.	2.0 kg
Speed Wash	Use this programme to speed up the washing time for small loads and lightly soiled clothes.	Use very little detergent in this programme.	1.5 kg
		 Use ¹/₂ the amount of detergent recommended by the manufacturer for a normal load. Do not wash white or brightly colored 	
	Use this programme to wash performance garments that are specially designed and treated for sports.	laundry with darkly colored laundry that can discharge colors.	
Active Wear		It is more effective to pre-wash laundry which is stained with blood or milk briefly with cold water before carrying out main washing can remove stains more effectively.	1.0 kg
		Bubble Removing Function: If an excessive amount of detergent is used, the bubble removing function may operate.	
		Lowering Drain Temperature Function: For the safety, cold water is briefly supplied before draining to lower the water temperature.	
Tub Clean	Use this programme to keep the drum clean by	Select a proper type of neutral detergent such as Dish Washer powdered detergent.	
	sterilizing germs within the drum.	DO NOT add clothes or any other items during this function.	
Hand Wash	Use this programme to wash textiles, lingerie, or	To reduce damage to textiles and improve washing performance, use special neutral detergent for wool.	1.0 kg
Hand Wash	fine clothes likely to shrink or deform.	To prevent damage to clothes, the drum spins gently to the left and right for washing.	1.0 kg
Rinse+Spin	Select this programme to rinse and spin a load separately from a regular cycle.	Add fabric softener only if desired.	1.5 kg

Option Programme Spin Only

Use this option to spin a hand washed load that may not have been washed in the machine.

Extra Rinse

Use this option to increase the number of rinsing programmes.

- 1 Press the **Power** button.
- 2 Select a washing programme.
- 3 Press the Extra Rinse button to set the amount of Rinses required.
 - When you press the Extra Rinse button, the number of rinsing cycles will be displayed. (1 up to 5 extra rinses can be selected depending on the Programme)
- ⚠ Press the Start/Pause button.

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

- Press and hold the Child Lock button for three seconds.
- Will appear on the display. When the Child Lock is set, all buttons are locked except the **Power** button.

NOTE

 Turning off the power or completing all cycles 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 for three seconds.

 To change the cycle or option, press the Start/ Pause button to stop operation, and then choose the cycle or option which you wish to change. Depending on the selection, the cycle may restart again.

SMART FUNCTIONS

Using SmartThinQ Application

Installing 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.

Wi-Fi Function

For appliances with the or logo

Washer Cycle (Remote Start, Download Cycle)

Set or download any preferred cycle and operate by remote control.

Tub Clean Coach

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

Energy Monitoring

Check the energy consupmtion 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

Various functions are available.

Push Alert

Turn on the Push Alerts to receive appliance status notifications. The notifications are triggered even if the LG SmartThinQ application is off.

NOTE

- To verify the Wi-Fi connection, check that Wi-Fi ♀ icon on the control panel is lit.
- LG SmartThinQ is not responsible for any network connection problems or any faults, malfunctions, or errors caused by network connection
- The machine supports 2.4 GHz Wi-Fi networks only.
- 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.
- Router SSID, please use only letters, numbers. Other characters may not be supported.
- 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 application is subject to change for appliance improvement purposes without notice to users.
- Functions may vary by model.

RF Radiation Exposure Statement

This equipment shall be installed and used at a minimum distance of 20 cm from the human body.

Using Washer Cycle

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.

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

- Once the Remote Start mode is enabled, you can start a cycle from the LG Smart ThinQ smartphone application. If the cycle is not started, the machine will wait to start the cycle until it is turned off remotely from the application or the Remote Start mode is disabled
- 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.

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.

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 three (3) years from the date on which you purchased the product.

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™

Smart Diagnosis™ Through the Customer Information Centre

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

- 1 Press the Power button after opening the drawer on Mini Washer.
- When instructed to do so by the call centre, place the mouthpiece of your phone close to the Smart Diagnosis™ icon.



- 3 Press and hold the Extra Rinse 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.

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.

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 the 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.

Door:

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

Exterior:

- · Immediately wipe off any spills.
- · Wipe with a damp cloth.
- Do not press the surface or the display with sharp objects.

Cleaning the Interior

- Use a towel or soft cloth to wipe around the washing machine Lid opening and when wiping the the Lid's 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 Drum

Use the Tub Clean option to keep the drum clean.

- 1 Press the Power button.
- 2 Dilute 200 ml liquid chlorine bleach in 1 \ell of water and pour the mixture in the drum.
- 3 Press the Tub Clean button to set time required.
- ⚠ Press the Start/Pause button.

A CAUTION

 Do not leave the machine's drawer or Lid open if there is an unsupervised child nearby.

Cleaning the Water Inlet Filter

- Turn off the water supply tap 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 may blink on the display when the water pressure is weak or an inlet filter is clogged with dirt. Clean the inlet filter.
- The inlet filter mesh could be clogged by hard water scale, sediment in the water supply, or other debris.
- 1 Turn off the water tap and unscrew the water inlet hose.



2 Clean the filter using a hard bristle brush.



Cleaning the Lint Filter

The Lint filter is an important part for an efficient washing performance result, so it needs special care from you. It is recommended that the filter be cleaned regularly.

1 Squeeze the side tabs and lift out the filter.



Open the cap and remove any lint before washing it



Insert the lower part of the filter into the drum and close the cap until you hear a click sound.



NOTE

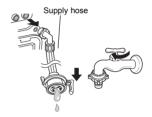
- When the lint filter is damaged, contact an LG service centre.
- Do not operate the washing machine without the lint filter.
- Do not leave the lint filter loosely or poorly fitted. Doing so may damage the fabrics or the washing machine.

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 closing the tap, disconnect the cold supply hose from the tap, and remove water while keeping the hose facing downwards.



How to Handle Freezing

Step 1. When the Door is Frozen

• Thaw out the door using a hot water cloth.

Step 2. When the Water Supply Hose is Frozen

- I is icon may blink on the display when water supply problems occur, take the following measures.
 - Take out water supply hose and connect to the tap and check that water comes from the tap and supply hose.
 - Turn off the tap, and thaw out the tap and both connection areas of supply hose of the product using a hot water cloth.
 - Take out supply hose and immerse in warm water below 50–60 °C.



Step 3. When the Drain Pump is Frozen

- FF, BE icon may blink on the display when drain pump problems occur, take the following measures.
- 1 Pour 15 \(\) warm water below 50–60 °C in the drum until washing machine wing nuts are immersed and wait for an hour.
- 2 Press the **Power** button and then run the Spin Only programme.
 - When icon appears on the display, repeat steps 1 to 2.
- When BE icon appears on the display, thaw out the drain hose inner part with the hot water

TROUBLESHOOTING

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

Diagnosing Problems

Symptoms	Reason	Solution
The drawer does not open.	Power failure, or the power cord was pulled out during washing The machine may not be level	After restoring the power again, press the Power button on the control panel of the Main Washer or the remote control. Ensure that the Mini Washer is leveled correctly with the use of a spirit level and checking the door symmetry for parallel lines.
Draining starts when pressing Start/ Pause button.	The Start/Pause button is pressed during washing.	When pressing the Start/Pause button during washing, the drawer is unlocked after the water is drained out for safety reasons.
Rattling and clanking noise	Foreign objects, such as keys, coins, or safety pins may be in the drum.	 Stop the washing machine, check drum for foreign objects. If noise continues after washing machine is restarted, call for service.
Thumping sound	Heavy wash loads may produce a thumping sound.	If sound continues, wash load is probably out of balance. Stop and redistribute the wash load.
	Wash load may be out of balance.	Pause the cycle and redistribute the load after the door unlocks.
	Packaging materials were not removed.	Remove packing materials.
	Wash load may be unevenly distributed in the drum.	Pause the cycle and redistribute the load after the door unlocks.
Vibrating noise	Not all leveling feet are resting firmly and evenly on the floor.	See Leveling the Appliance in the Installation section.
	Floor not rigid enough.	Make sure that the floor is solid and does not flex.
Water leaks every load	Hoses not installed correctly.	Check all fill and drain hose connections to ensure that they are tight and secure.
Excessive sudsing	Too much detergent or incorrect detergent.	Reduce the amount of detergent for lightly soiled laundry. If you use too much detergent, excessive bubbles will remain after rinsing.

Symptoms	Reason	Solution
Staining	Clothes were not properly sortedWrong detergents are added.	Always wash dark colors separately from light colors and whites to prevent discoloration. Do not mix softener and detergent together. Add softener only when the softener alert chime indicates to do so.
	Supply hose connection is loose at the tap, washing machine, or drain hose connector.	Check hoses and drain hose connectors for leaks, cracks and splits. Tighten hose connections.
	House drain pipes are clogged.	The washing machine pumps out water very rapidly. Check for water backing up out of the drain pipe during drain. If water is seen coming out of the drain, check for proper drain hose installation and check for restrictions in the drain. Contact a plumber to repair the drain pipe.
Water leaking	Drain hose has come out of drain connector or is not inserted far enough.	Tie drain hose to supply hose or standpipe to prevent it from coming out during drain. For smaller drain pipes, insert the drain hose into the pipe as far as the drain hose flange. For larger drain pipes, insert the drain hose into the pipe 2-5 cm past the flange.
	Load is too large for the drum.	Reduce the load or use the Main Washer. Stop the washing machine and check the load. Make sure the load fits loosely in the drum and the door closes easily.
	Oversudsing of detergent.	Oversudsing may create leaks, and may be caused by the type and amount of detergent used. Always reduce the amount of detergent if the load is small or lightly soiled, or if your water is very soft. Never use more than the maximum amount shown in the dispenser provided.
	Washing machine not unloaded promptly.	Always remove items from the washing machine as soon as the cycle is completed.
Wrinkling	Washing machine overloaded.	The washing machine can be fully loaded, but the drum should not be tightly packed with items. The door of the washing machine should close easily.

Symptoms	Reason	Solution
	Control panel has powered off due to inactivity.	This is normal. Press the Power button to turn the washing machine back on.
	Washing machine is unplugged.	Make sure the power cord is plugged securely into a working outlet.
	Water supply is turned off.	Turn the cold water tap fully on.
	Controls are not set properly.	Make sure the cycle was set correctly, close the door and press the Start/Pause button.
Washing machine will not operate.	Lid or drawer is open.	Close the Lid and drawer make sure that nothing is caught under the Lid preventing it from closing completely.
	Circuit breaker/fuse is tripped/blown.	Check house circuit breakers/fuses. Replace fuses or reset breaker. The washing machine should be on a dedicated circuit. The washing machine will resume the cycle from where it stopped once power is restored.
	Control needs to be reset.	Press the Power button, then re-select the desired programme and press the Start/Pause button.
	Start/Pause was not pressed after a cycle was set.	Press the Start/Pause button on the control panel of the Main Washer or remote control after closing the drawer. When using the control panel of the Mini Washer, press the Start/Pause button and close the drawer within 5 seconds.
	Extremely low water pressure.	Check another tap in the house to make sure that household water pressure is adequate.
	Washing machine is too cold.	If the washing machine has been exposed to temperatures below freezing for an extended period of time, allow it to warm up before pressing the Power button.

Symptoms	Reason	Solution
	Filter clogged.	Make sure the inlet filter on the fill valve is not clogged. Refer to the filter cleaning instructions.
	Supply hoses may be kinked.	Check that the supply hose is not kinked or clogged.
Washing machine is not filling	Insufficient water supply.	Make sure that the cold water tap is turned on all the way.
properly.	door and drawer are open.	The washing machine will not operate if the lid is open. Close the lid and make sure that nothing is caught under the lid preventing it from closing completely.
	Water level in the tub appears to be too low.	The fill level is optimized for the wash motion to achieve the best wash performance.
Water in the washing machine does not drain or drains slowly.	Drain hose is kinked, pinched, or clogged.	Make sure the drain hose is free of blockages, kinks, etc., and is not pinched behind or under the washing machine.
	Heavily soiled load.	Use Main Washer.
Poor stain removal	Previously set stains.	Articles that have previously been washed may have stains that have been set. These stains may be difficult to remove and may require hand washing or pre-treating to aid in stain removal.
Wash cycle time is longer than usual.	The washing machine automatically adjusts the wash time for the amount of laundry, water pressure and other operating conditions.	This is normal. The washing machine adjusts cycle time automatically to provide optimal results for the selected programme. The time remaining shown in the display is only an estimate. Actual time may vary.
Musty or mildewy odor in washing	Incorrect or too much detergent has been used.	This machine requires very little detergent. Use the provided detergent measuring cup.
machine	Inside of drum was not cleaned properly.	Run the Tub Clean programme regularly.
Washing machine chimes repeatedly before final rinse.	This is not an error.	This is an alert to allow the addition of liquid fabric softener before the final rinse.

Error Messages

Symptoms	Reason	Solution	
dE 1 dE 2	Drawer is not closed properly.	Close the drawer and press Start/Pause button to start the cycle. If the drawer is closed and the drawer lock error message is displayed, call for service.	
d 🗓	Door is not closed properly.	Open the drawer and make sure the latch area is free of clothing or other obstructions. Close the door, shut the drawer, and press Start/Pause to start the cycle. If the door is closed and the door error message is displayed, call for service.	
1 E	The cold water tap is not fully open.	Make sure that the cold water tap is fully open.	
	Water line hoses are kinked, pinched, or crushed.	Make sure that the hoses are not kinked or pinched. Be careful when moving the washing machine during cleaning and maintenance.	
	Water inlet filters are clogged.	Clean the inlet filters.	
	Water supply pressure to tap or house is too low or very high.	Check another tap in the house to make sure that household water pressure is adequate and flow is not restricted. Disconnect the supply hose from the washing machine and run a few liters of water through the hose to flush the water supply lines. If water pressure is too high, it may need a pressure reduction device fitted to the tap.	
	Water supply connected with leak-limiting hoses.	Hoses designed to limit leaks can trip falsely and prevent the washing machine from filling. The use of leak limiting hoses is not recommended.	
$\square E$	Drain hose is kinked, pinched, or clogged.	Make sure the drain hose is free of blockages, kinks, etc., and is not pinched behind or under the washing machine.	

Symptoms	Reason	Solution	
<u>ue</u>	UE rebalancing operation was not successful.	The automatic attempt to rebalance the load was not successful. The cycle has been paused to allow the load to be manually adjusted.	
	The load is too small.	Add more items to allow the washing machine to balance the loads.	
	Heavy articles are mixed with lighter items.	Wash articles of somewhat similar weight.	
	The load is out of balance.	Manually redistribute the load if articles have become tangled.	
L E	Control error.	Unplug the power plug and call for service.	
FE	Water level is too high due to a faulty water valve.	Close the water taps, unplug the washing machine, and call for service.	
PE	The water level sensor is not working correctly.	Close the water taps, unplug the washing machine, and call for service.	
LE	A motor error has occurred.	Allow the washing machine to stand for 30 minutes and then restart the cycle. If the LE error code persists, call for service.	
EcL	It is a reminder to run the Tub Clean programme.	Run the Tub Clean programme.	
[E 7]	Mini Washer is being operated without a full-size washing machine.	Mini Washer will not operate as a standalone unit. It must be stacked under a suitable LG front-loading washing machine.	
	Stacking switch is not working properly.	The product is for use only in combination with LG authorized appliances. Call the customer information centre to check out LG authorized appliances.	
FF	Drain hose, supply hose or drain pump is frozen.	Thaw out the supply hose using a hot water cloth. Pour warm water in the drum.	
	CL is not an error. This prevents children from changing cycles or operating the appliance.	To deactivate, press the Child Lock button for three seconds.	

