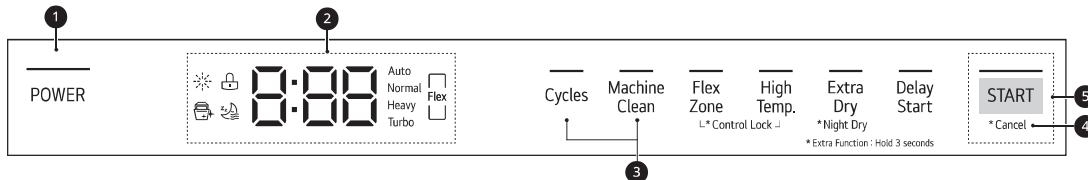


## Control Panel

### Control Panel Features



#### ① Power On/Off Button

- Press this button to turn the washer on or off.
- If there is a power surge, power outage, or disruption of any kind, power is automatically turned off for safety.
- When power is connected again, the dishwasher will turn on automatically and resume the cycle.

#### NOTE

- When opening or closing the product door, keep fingers and hands away from the control panel to avoid activating buttons.

#### ② Display

##### • : Rinse Aid Icon

- This icon illuminates when the rinse aid level is low. The LED automatically shuts off when the rinse aid is refilled or the level is set to 0.
- Refer to the **Rinse Aid Dispenser Adjustment** section.

##### • : Digital Display

- The digital display on the control panel shows the ESTIMATED cycle time. When the cycle and options are selected, the display shows the total estimated time to complete those selections. During operation, the display shows the remaining estimated operating time.

#### NOTE

- The estimated time shown on the display does not include delay times for heating water, etc.
- If **Delay Start** is selected, the display shows the delay time in hours.
- Cycle time may vary depending on the soil level of your load.

##### • : Control Lock

- The **Control Lock** feature helps prevent settings from being changed during a cycle. Selecting this feature locks all of the buttons, except for the **Power** button, on the control panel. This feature does not lock the door.
- While a cycle is running, press and hold **Flex Zone** and **High Temp.** simultaneously for three seconds to activate or deactivate **Control Lock**.
- To start a new cycle, deactivate **Control Lock**.

##### • : Machine Clean

- The **Machine Clean** icon flashes every 30 cycles. To activate or deactivate the icon, press and hold the **Machine Clean** and **Flex Zone** buttons for three seconds.
- If the **High Temp.** option is added to a cycle, the **Machine Clean** icon stays lit at the end of the cycle if the dishes were properly sanitized.

##### • : Night Dry

- This indicator lights up when **Night Dry** is selected.

ENGLISH

## 24 OPERATION

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### ③ Chime On/Off Button

- To activate or deactivate the button sounds, press and hold **Cycles** and **Machine Clean** simultaneously for three seconds. The error alert sound cannot be turned off.

### ④ Cancel Button

- The drain pump activates and the cycle cancels. Once the dishwasher finishes draining, the power turns off.
- Press and hold **Start** for three seconds to activate.

### ⑤ Start Button

- To operate the machine, either press **Start** and close the door within four seconds or close the door and press **Start**.
- An alert will sound if the door is closed more than 4 seconds after the **Start** button is pressed.

## Wash Cycles

Select your desired cycle.

### Selecting the Cycle

The default cycle is **Auto**. You can also customize these settings using the **Cycles** button.

- Press the **Cycles** button repeatedly to select the **Normal**, **Heavy**, or **Turbo** cycle.

#### Auto

This cycle senses the soil amount and soil toughness and is optimized to achieve the best cleaning.

#### Normal

This cycle is for moderately soiled, everyday loads. Select the **Night Dry** option if leaving dishes overnight. Press and hold **Extra Dry** for three seconds to activate **Night Dry**.

- After the cycle ends, the fan runs for an hour to help vent the warm, moist air in the tub. You can stop the fan by opening the door after the cycle ends.

#### Heavy

This cycle is for heavily soiled dishes and dishes with hardened on soil. This cycle defaults to the strongest spray intensity and uses it to wash heavily soiled dishes.

#### Turbo

This cycle will clean heavily soiled dishes in an hour using slightly more energy and water.

- This cycle does not have drying. Select the **Extra Dry** and **Night Dry** option or another cycle for better drying.

## Machine Clean

This cycle is for cleaning the inside of the dishwasher. Use the cycle without dishes in the machine. It eliminates residual soils, odor, white spots, and other dirt. Add citric acid or another cleaning agent for more effective results.

## Options and Extra Functions

Select the desired cycle button and then select the options for that cycle.

### Using the Flexible Zone

This option adjusts the wash intensity to target different zones inside the dishwasher. Set it to wash just the upper rack or lower rack, or set the intensity to soft for the upper spray arm and strong for the lower spray arm.

The **Flex Zone** is off by default. Press the **Flex Zone** button to customize settings.

- Press the **Flex Zone** button repeatedly to select the 4 modes for cleaning the dishes.

Mode	Description
	Small loads & light soil <ul style="list-style-type: none"> <li>Use just the upper rack to save energy and time.</li> </ul>
	Small loads & heavy soil <ul style="list-style-type: none"> <li>Use just the lower rack to save energy and time.</li> </ul>
	Small loads & heavy soil & light/sensitive dishes <ul style="list-style-type: none"> <li>Focus on lower rack, but also operate lightly to wash some light or sensitive dishes in the upper rack.</li> </ul>

Mode	Description
Flex	Various conditions <ul style="list-style-type: none"> <li>Place heavily soiled dishes like plates and bowls in the lower rack and lightly soiled dishes like cups and small plates in the upper rack to get the best results.</li> </ul>

## High Temp

Raises the main wash temperature to improve cleaning.

## Extra Dry

Select the **Extra Dry** option for better drying performance. This option adds extra drying time to the cycle and raises the heated rinse temperature.

- When the rinse aid is empty, the **Extra Dry** option is selected automatically.

## Cycle/Option Guide

The cycle guide below shows the available options for each cycle.

Cycle		Auto	Normal	Heavy	Turbo	Machine Clean
Soil Level		All levels	All levels	Heavy	Heavy	
Water Usage*	(L)	13.8 - 25	9.2 - 19.5	26.9	27.5	12.3
	(gal)	3.6 - 6.6	2.4 - 5.2	7.1	7.3	3.2
Wash Time with Options (Mins.)**		89 - 192	98 - 190	140 - 214	59 - 121	82
Available Options	Flex Zone	●	●	●	●***	
	High Temp.	●	●	●	●	
	Extra Dry	●	●	●	●	
	Night Dry	●****	●	●****	●****	
	Delay Start	●	●	●	●	●

\* Actual water consumption will vary depending on soil level and hardness of water.

\*\* The actual running time and cycle time displayed may change depending on options chosen, soil level, water temperature, and hardness of water. Therefore, display time and actual running time can be different.

\*\*\* Some **Flex Zone** modes cannot be selected when using the **Turbo** cycle.

\*\*\*\* Default setting

## Night Dry

Dishes are often left in the dishwasher overnight after the cycle ends. This can result in the steam inside the tub condensing on dishes, leaving them wet. This option runs the ventilation fan periodically to help vent the steam from the tub.

- Press and hold **Extra Dry** for three seconds to activate.
- The **Night Dry** option is selected by default for all cycles for which it is available, except the **Normal** cycle.
- To add the **Night Dry** option to the **Normal** cycle, press and hold **Extra Dry** for 3 seconds.

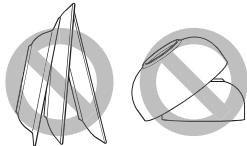
ENGLISH

## 26 OPERATION

### Loading the Dishwasher

The extra tall tub allows loading of dishes, pans, or other utensils up to 14" high. For effective washing performance, always follow these instructions.

- Remove large particles of food debris from plates including bones before loading.
- Items with burnt on food should be soaked prior to loading in the dishwasher.
- Deep pots or dishes should be placed upside down.
- Make sure that all items do not touch each other.



### Non-Dishwasher Safe Items

The combination of high water temperature and dishwasher detergents may damage certain items. Do not wash the following items in the dishwasher.

- Copper or anodised aluminum
- Hand painted silver or gold leaf china
- Wood or bone handled utensils
- Iron or non-rustproof utensils
- Plastic items which are not dishwasher safe
- Sterling silver or gold-plated flatware or delicate or metal-rimmed china
- Fragile items such as crystal glasses

#### **CAUTION**

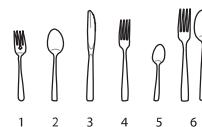
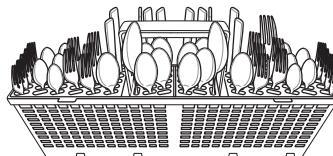
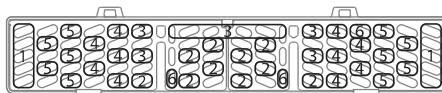
- Do not place pots or pans with plastic handles in the appliance as the handles may deteriorate due to the heat and detergent.
- Waterproof or long-lasting lipstick smudges on glasses may not be removed during the wash.

### Loading the Silverware Basket

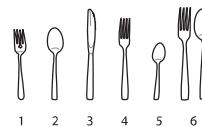
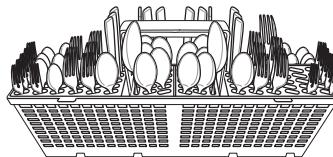
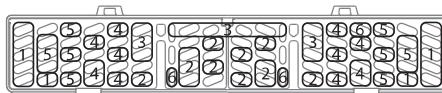
The silverware basket has separators to avoid scratching and tarnishing of delicate silverware.

### Loading Silverware into the Basket

#### Loading 10 Place Settings



#### Loading 12 Place Settings



#### Silverware Loading Tips:

- For best cleaning results, use the top separators in the basket when loading silverware. The separators will prevent nesting of silverware.
- Load sharp items, such as knives, pointing down.
- When unloading the dishwasher, it is best to start with the silverware basket. Doing so will prevent water droplets from falling on your silverware from the upper rack.

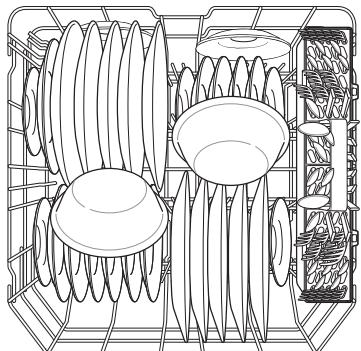
#### **WARNING**

- Be careful when loading and unloading sharp items. Load sharp knives with the handles up to reduce the risk of personal injury.

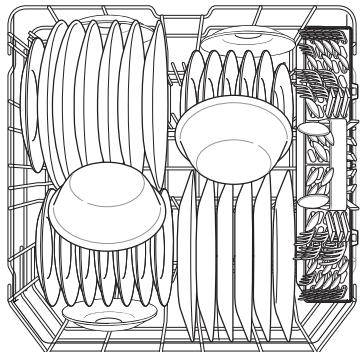
## Loading the Lower Rack

### Loading Dishes into the Lower Rack

#### Loading 10 Place Settings



#### Loading 12 Place Settings



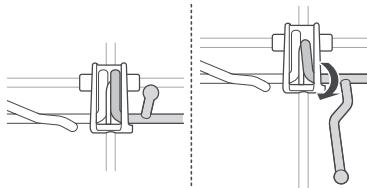
#### Lower Rack Loading Tips:

- Plates should be positioned upright and facing the center of the rack, and pots, pans and large dishes must be turned upside down.
- Load dinner plates, dishes, soup bowls, etc. between the tines.
- Load cookie sheets, cake pans and other large items at the sides or back of the rack. Loading these items in the front of the dishwasher can prevent the water spray from reaching the detergent dispenser.
- Make sure that pot handles and other large items do not stop the rotation of the spray arms.
- The lower rack should not be used for small items such as cups, wine glasses, or small plates. These items should be loaded in the upper rack.
- Make sure that large items do not interfere with the rotation of the spray arms, and do not prevent the detergent dispenser from opening.

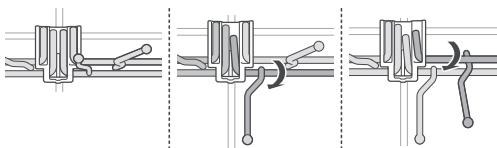
## Folding Down the Lower Tines

Fold tines down to fit larger dishes; pull tines back up to fit smaller dishes.

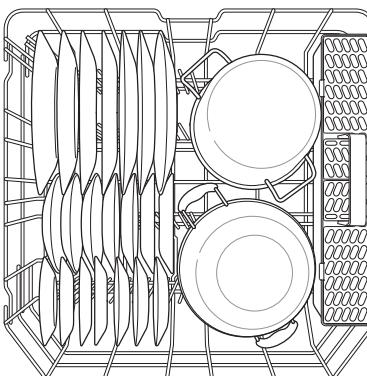
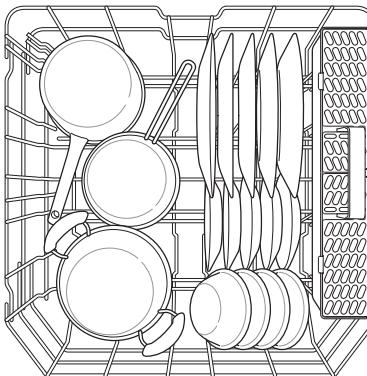
#### Case 1

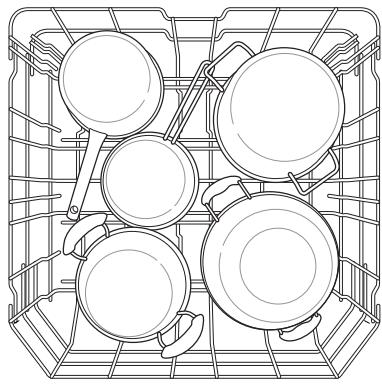
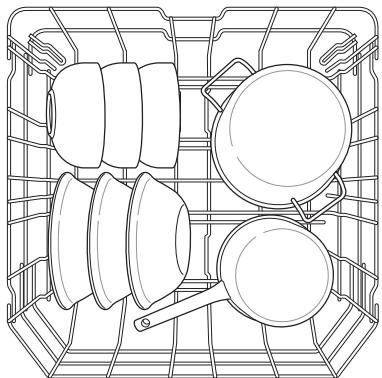


#### Case 2

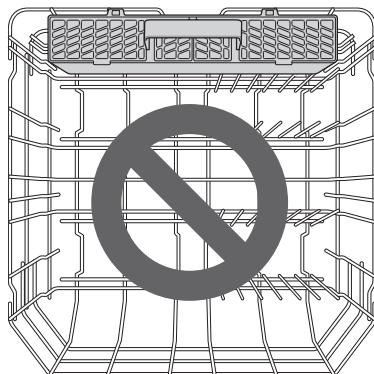
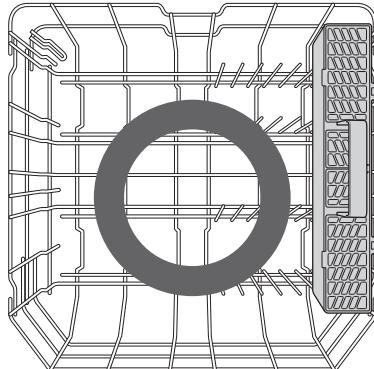
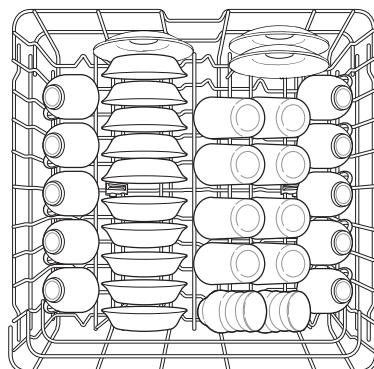


#### Loading Dishes & Pots

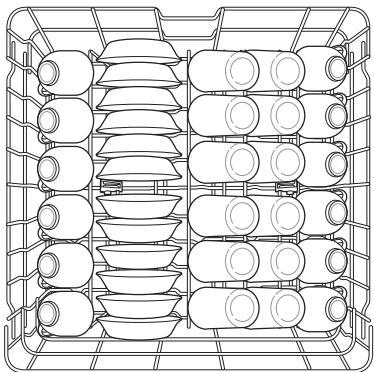


**28 OPERATION****Loading Pots & Bowls****NOTE**

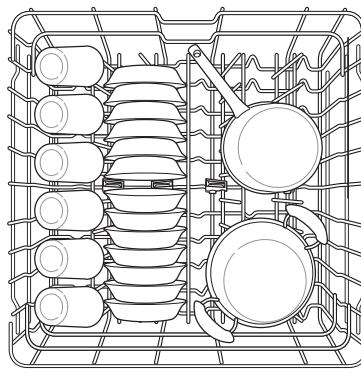
- The silverware basket ships installed at the back of the bottom rack. For best performance, install it along the right side as shown.

**Loading the Upper Rack****Loading Dishes into the Upper Rack****Loading 10 Place Settings**

## Loading 12 Place Settings



## Loading Dishes & Pots



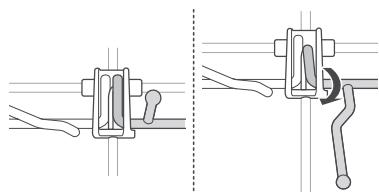
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### Upper Rack Loading Tips:

- Place cups and glasses in the rows between the rack tines. Placing them over the rack tines can lead to breakage and water spots.
- To avoid chipping, do not let stemware touch other items.
- Place items so that the open end faces down for cleaning and drying.
- Do not stack items on top of each other.
- Use the upper rack for small or delicate items such as small plates, cups, saucers, glasses, and dishwasher-safe plastic items.
- Cups, glasses, and bowls must be positioned upside down.
- Make sure items do not interfere with the rotation of the spray arms above and below the upper rack.
- When loading larger items in the upper rack, such as wine glasses or taller cups, it may be necessary to remove the cutlery rack if one is present.

### Folding Down the Upper Tines

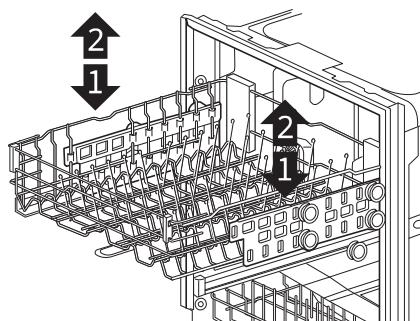
Fold tines down to fit larger dishes; pull tines back up to fit smaller dishes.



### Height Adjustable Upper Rack

The upper rack adjusts up and down. Raise the upper rack to allow items up to 14" tall in the lower rack. Lower the upper rack to allow dishes up to 12" tall in the upper rack. The dishwasher ships with the upper rack raised.

There are two available positions for adjusting the height of the upper rack to create more space.



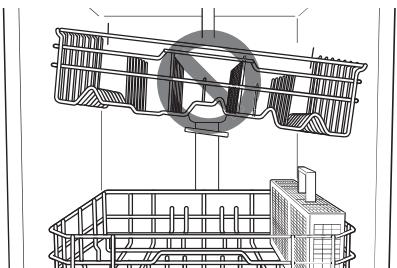
### **WARNING**

- Before adjusting, ensure the rack is empty of all dishes. Otherwise dishes may get damaged or you may get injured.

## 30 OPERATION

### NOTE

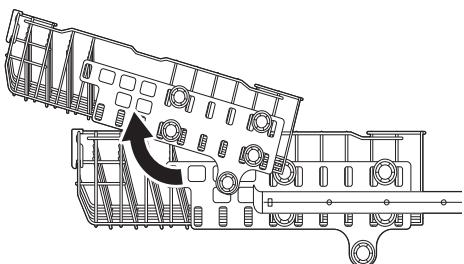
- Before pushing the upper rack into the dishwasher, ensure the rack height is the same on both sides. If the height is not the same on both sides, the dishwasher door will not shut and the upper spray arm will not connect to the water inlet.



- There is a 2 5/8 inches (56 mm) gain in height when the upper rack is moved to the lower position.
- After adjusting the rack levels, check that the spray arms are free to rotate.
- When the upper rack is in the lower position, make sure the rack and the spray arm do not hit the items on the lower rack.
- When the upper rack is in the lower position, push in the upper rack first, and the lower rack later.
- Pull out the lower rack first, and the upper rack later.

### Lowering or Raising the Rack

Pull the rack to the front and completely remove it from the rail, then reinsert it at the desired height.



### Possible plate size according to the upper rack position

Upper Rack Position	Plate Size in. (mm)	
	Upper Rack	Lower Rack
Upper	9 (230)	12 1/2 (320)
Lower	11 1/4 (286)	10 3/8 (264)

## Adding Cleaning Products

### Adding Detergent to the Dispenser

- Remove the label on the dispenser prior to running the dishwasher for the first time.
- The amount of detergent needed depends on the cycle, load size, and soil level of dishes.
- Put detergent into the detergent compartment before starting any cycle, except the **Rinse** cycle.

### WARNING

- Dishwasher detergent and rinse aid contain chemical components, like all other household detergent. So, they must be kept out of the reach of children.

### CAUTION

- Use only detergent intended for dishwashers. Incorrect detergent may cause the dishwasher to fill with suds during operation. Excess suds may reduce wash performance and may cause the dishwasher to leak.
- To avoid damaging the dispenser, do not pull up on the dispenser to close the dishwasher door.

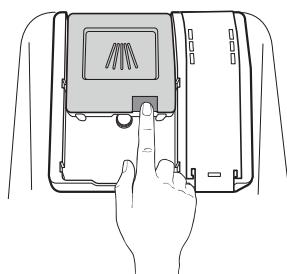


### NOTE

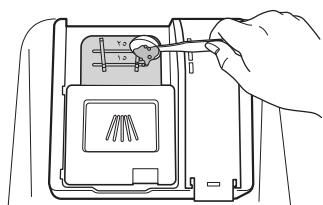
- After completion of the wash program, check whether the detergent was completely washed out.
- Some dishwasher detergent tablets may become stuck in the dispenser due to their excessive size. Tablets can be placed onto the base of the wash tub next to the filter before starting the cycle.
- Too much detergent can leave a film on dishes and in the dishwasher, resulting in poor wash performance.
- If dishwasher detergent tablets are used without liquid rinse aid, the dishes and dishwasher interior will have excessive moisture. Select the **Extra Dry** option for better drying performance.

- Using liquid rinse aid improves drying performance by allowing water to drain off of dishes after the final rinse.
- Do not use detergent tablets for shorter wash cycles. The tablet may not dissolve completely, causing detergent residue on dishes and inefficient cleaning.
- Using a wash booster helps remove spots, residue, and the white film caused by hard water. It does not help remove excess detergent residue.

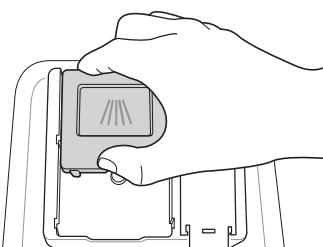
- 1 Push the button on the dispenser lid to open the cover.



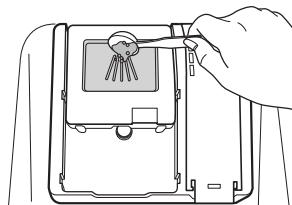
- 2 Add dishwashing detergent to the main wash compartment until the level is between the lines marked 15 and 25.
  - Fill to over the 25 line for hard water or heavily soiled loads.
  - Fill to the 15 line for soft water or lightly soiled loads.



- 3 Slide the detergent lid closed until it clicks.



- 4 If a prewash is desired, fill the recessed prewash compartment area on the lid with detergent.



## Adding Rinse Aid to the Dispenser

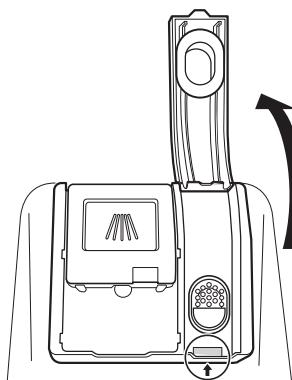
The **Rinse Aid** icon appears in the display when more rinse aid is needed.

The use of rinse aid is recommended to prevent water spots on dishes and to enhance drying performance.

### NOTE

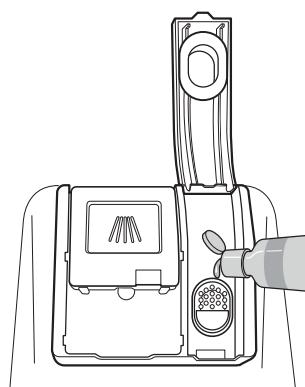
- Only use liquid rinse aid in the dishwasher.
- Do not overfill the rinse aid dispenser.
- Wipe off any spilled rinse aid around the dispenser.

- 1 Open the rinse aid lid by lifting up the flap.

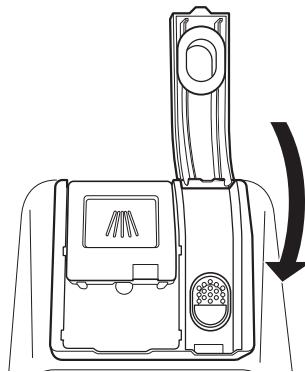


- 2 Add a liquid rinse aid to the maximum fill level. Allow the rinse aid to settle in the dispenser while filling, or air bubbles may result in poor drying performance. Avoid overfilling the dispenser.

## 32 OPERATION



- 3** Close the lid to lock the dispenser. Rinse aid is dispensed automatically during the final rinse cycle.



- 3** Press **Delay Start** to change the rinse aid dispenser setting. Each press of the button changes the setting one step from L0 to L4.
- 4** Once the desired rinse aid dispenser setting is selected, press **Start** to save.

### Refilling the Rinse Aid

How often the dispenser needs to be refilled depends on how often dishes are washed and the rinse aid setting used.

- The **Rinse Aid**  icon flashes when more rinse aid is needed, unless the rinse aid dispenser setting is set to L0.

### Rinse Aid Dispenser Adjustment

The dispenser has five adjustment levels. The dishwasher is programmed at the factory for a rinse aid dispenser level of 2. This can be checked and adjusted from the control panel.

#### NOTE

- Adjust the setting higher if you have hard water and notice calcium buildup on your dishes.
- Setting the rinse aid control too low will contribute to spotting and streaking on dishes and poor drying performance.
- Setting the control too high can cause foaming, which will cause poor wash performance.

- 1** Ensure the appliance is off.
- 2** Press **Power** and **Delay Start** simultaneously to check the current setting.

# SMART FUNCTIONS

## LG ThinQ Application

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

### LG ThinQ Application Features

- **Smart Diagnosis**

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

### Installing the LG ThinQ Application

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

## Smart Diagnosis™ Function

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

### NOTE

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

### Using Audible Diagnosis to Diagnose Issues

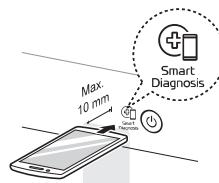
Follow the instructions below to use the audible diagnosis method.

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

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

- Do not press any other buttons.

**2** Place the mouthpiece of your smartphone close to the  logo.



- 3** Press and hold the **Delay Start** button for 3 seconds or longer while holding the smartphone mouthpiece to the logo until the data transfer is complete.
- Keep the smartphone in place until the data transfer has finished. Time remaining for data transfer is displayed.

- 4** After the data transfer is complete, the diagnosis will be displayed in the application.

### NOTE

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