

Dishwasher

User manual

DW70H75****

SAMSUNG

Contents

Safety information	4
What you need to know about safety instructions	4
Important safety symbols	4
Important safety precautions	5
Instructions when using your dishwasher	7
Instructions for protecting your children	8
Instructions for installing your dishwasher	8
Product overview	11
Dishwasher at a glance	11
Preparing the installation	12
Installation requirements	12
SmartThings	14
Wi-Fi connection	14
Download	14
Log in	14
Wi-Fi Off	14
To register your device to SmartThings	14
Dishwasher app	15
SmartThings functions	16
Before you start	18
Unsuitable items for the dishwasher	18
Basic use of racks	19
Detergent compartment	24
Rinse aid compartment	26
Touchpad responsiveness	27
Operation status indicators	27

Operations	28
Control panel	28
Icon descriptions	29
Cycle overview	30
Operating a cycle	32
Settings	33
Special features	34
Open Source Announcement	35
Maintenance	36
Cleaning	36
Long-term care	40
Troubleshooting	41
Checkpoints	41
Information codes	44
Appendix	45
Cycle chart	45
Transportation/relocation	46
Protection against frost	46
Disposing the dishwasher and helping the environment	46
Specifications	47
For standard test	48
DW70H75**** models	48

Safety information

Congratulations on your new Samsung dishwasher. This manual contains important information on the installation, use, and care of your appliance. Please take time to read this manual to take full advantage of your dishwasher's many benefits and features.

What you need to know about safety instructions

Please read this manual thoroughly to ensure that you know how to safely and efficiently operate the extensive features and functions of your new appliance and retain it at a safe place near the appliance for your future reference. Use this appliance only for its intended purpose as described in this user manual.

Warning and important safety instructions in this manual do not cover all possible conditions and situations that may occur. It is your responsibility to use common sense, caution, and care when installing, maintaining, and operating your dishwasher.

Because the following operating instructions cover various models, the characteristics of your dishwasher may differ slightly from those described in this manual and not all warning signs may be applicable. If you have any questions or concerns, contact your nearest service centre or find help and information online at www.samsung.com.

Important safety symbols

What the icons and signs in this user manual mean:



WARNING

Hazards or unsafe practices that may result in **severe personal injury, death, or property damage**.



CAUTION

Hazards or unsafe practices that may result in **personal injury or property damage**.



NOTE

Indicates that a risk of personal injury or material damage exists.

These warning symbols are here to prevent injury to you and others. Please follow them explicitly.

Keep these instructions in a safe place and ensure that new users are familiar with the content. Pass them on to any future owner.

Important safety precautions

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

1. 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.
2. **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.
3. Children should be supervised to ensure that they do not play with the appliance.
4. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
5. The new hose-sets supplied with the appliance are to be used and that old hose-sets should not be reused.
6. For appliances with ventilation openings in the base, a carpet must not obstruct the openings.

Safety information

7. Children of less than 3 years should be kept away from the appliance unless continuously supervised.
8. **CAUTION:** In order to avoid a hazard caused by inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.
9. **WARNING:** Knives and other utensils with sharp points must be loaded in the basket with their points down or placed in a horizontal position.
10. The door should not be left in the open position since this could present a tripping hazard.

This appliance is solely intended to be used in household and similar applications such as:

- Staff kitchen areas in shops, offices, and other working environments;
- Farm houses;
- Clients in hotels, motels, and other residential type environments;
- Bed and breakfast type environments.

Instructions when using your dishwasher

It must only be used as an appliance as specified in this user manual, for cleaning domestic crockery and cutlery. Any other usage is not supported by the manufacturer and could be dangerous.

The manufacturer cannot be held liable for damage resulting from incorrect use, operation, and installation.

Do not use solvents in the dishwasher. Danger of explosion.

Do not inhale or ingest dishwasher detergent. Dishwasher detergents contain irritant or corrosive ingredients which can cause burning in the nose, mouth and throat if swallowed, or inhibit breathing. Consult a doctor immediately if detergent has been swallowed or inhaled.

Avoid leaving the door open unnecessarily, as you could trip over it.

Do not sit or lean on the opened door. This could cause the dishwasher to tip and get damaged, and you could get injured.

Only use detergent and rinse aid formulated for domestic dishwashers. Do not use washing-up liquid.

Do not use any strong acid cleaning agent.

Do not fill the rinse aid compartment with powder or liquid detergent. This will cause serious damage to the compartment.

In an appliance with a cutlery basket (depending on the model), cutlery is cleaned and dried better if placed efficiently in the basket with the handles downwards. However, to avoid the risk of injury, place knives and forks etc. with the handles upwards.

Plastic items which cannot withstand being washed in hot water, such as disposable plastic containers, or plastic cutlery and crockery should not be cleaned in the dishwasher. The high temperatures in the dishwasher may cause them to melt or lose shape.

On models with the **Delay Start** ⌚ function, make sure that the detergent compartment is dry before adding detergent. Wipe dry if necessary. The detergent will clog if poured into a damp detergent compartment and may not be thoroughly dispersed.

Always be caution when using remote control. You may be exposed to security risks during use, and usage-related problems may also arise because of Internet connectivity issues or incorrect settings.

Please do not operate the product with living beings (such as a person or an animal) or items that may cause water leakage or explosion.

Safety information

Instructions for protecting your children

This appliance is not a toy! To avoid the risk of injury, keep children well away and do not allow them to play in or around the dishwasher or to use the controls. They will not understand the potential dangers posed by it. They should be supervised whenever you are working in the kitchen. There is also a danger that children playing might shut themselves in the dishwasher.

Cleaning and user maintenance shall not be made by children without supervision.

Older children may only use the dishwasher when its operation has been clearly explained to them and they are able to use it safely, recognising the dangers of misuse.

KEEP CHILDREN AWAY FROM DETERGENTS!

Dishwasher detergents contain irritant and corrosive ingredients which can cause burning in the mouth, nose and throat if swallowed, or inhibit breathing.

Keep children away from the dishwasher when the door is open. There could still be detergent residues in the cabinet.

Consult a doctor immediately if your child has swallowed or inhaled detergent.

Instructions for installing your dishwasher

Before setting up the appliance, check it for any externally visible damage. Under no circumstances should you use a damaged appliance. A damaged appliance can be dangerous.

The dishwasher must only be plugged into the electricity supply through a suitable switched socket. The electrical socket must be easily accessible after the dishwasher is installed so that it can be disconnected from the electricity supply at any time. (Refer to the **"Dishwasher at a glance"** section on page 11.)

There must be no electrical sockets behind the dishwasher. The Danger of overheating and fire risk if the dishwasher were to be pushed up against a plug. After the installation is complete, make sure the power plug is not bent or damaged.

The dishwasher must not be installed under a hob. The high radiant temperatures which are sometimes generated by a hob could damage the dishwasher. For the same reason, it should not be installed next to open fires or other appliances which give off heat, such as heaters etc.

Do not connect the dishwasher to the mains supply until it has been fully installed and any adjustment has been made to the door springs.

Before connecting the appliance, check that the connection data on the data plate (voltage and connected load) match the mains electricity supply. If in any doubt, consult a qualified electrician.

The electrical safety of this appliance can only be guaranteed when continuity is complete between it and an effective grounding system. It is most important that this basic safety requirement is present and regularly tested and where there is any doubt the electrical system in the house should be checked by a qualified electrician.

The manufacturer cannot be held liable for the consequences of an inadequate grounding system (for example electric shock). Do not connect the ground wire to plastic plumbing, gas lines, or hot water pipes. Improperly connected grounding conductors may cause electric shock.

Do not connect the appliance to the mains electricity supply by a multi-socket unit or an extension lead. These do not guarantee the required safety of the appliance (for example danger of overheating).

This appliance may only be installed in mobile installations such as ships if a risk assessment of the installation has been carried out by a suitably qualified engineer.

The plastic housing of the water connection contains an electrical component. The housing must not be submerged in water.

There are electrical wires in the hose of Aqua-Stop. Never cut the water inlet hose, even if it is too long.

Installation, maintenance and repairs may only be carried out by a suitably qualified and competent person in strict accordance with current national and local safety regulations. Repairs and other work by unqualified persons can be dangerous. The manufacturer cannot be held liable for unauthorised work.

The integrated waterproof system offers protection from water damage, provided the following conditions are met:

- The dishwasher is correctly installed and plumbed in.
- The dishwasher is properly maintained and parts are replaced where it can be seen that this is necessary.
- The stopcock/supply valve has been turned off when the appliance is not used for a longer period of time (for example during holidays).
- The waterproof system will work even if the appliance is switched off. However, the appliance must remain connected to the electricity supply.

A damaged appliance can be dangerous. If the dishwasher gets damaged, switch it off at the mains and call your dealer or the service department.

Unauthorised repairs could result in unforeseen dangers for the user, for which the manufacturer cannot accept liability. Repairs should only be undertaken by an approved service technician.

Faulty components must only be replaced by original spare parts. Only when these parts are fitted can the safety of the appliance can be guaranteed.

Always disconnect the dishwasher from the electrical supply for maintenance work (Power off the wall socket and remove the plug).

If the connection cable is damaged, it must be replaced with a special cable available from the manufacturer. For safety reasons, this must only be fitted by the service department or an authorised service technician.

In countries where there are areas which may be subject to infestation by cockroaches or other vermin, pay particular attention to keeping the appliance and its surroundings in a clean condition at all times. Any damage which may be caused by cockroaches or other vermin will not be covered by the guarantee.

Safety information

In the event of a fault or for cleaning purposes, the appliance is only completely isolated from the electricity supply when:

- it is switched off at the wall socket and the plug is withdrawn, or
- it is switched off at the mains, or
- the mains fuse is disconnected, or
- the screw-out fuse is removed (in countries where this is applicable).

Do not make any alterations to the appliance, unless authorised to do so by the manufacturer.

Never open the casing/housing of the appliance. Tempering with electrical connections or components and mechanical parts is highly dangerous and can cause operational faults or electric shock.

While the appliance is under guarantee, repairs should only be undertaken by a service technician authorised by the manufacturer. Otherwise, the guarantee will be invalidated.

When installing the product, make sure there is space at the top, left, right and back of the product to ensure proper ventilation. If there is insufficient space between the product and the sink, it may damage the sink or allow mould to grow.

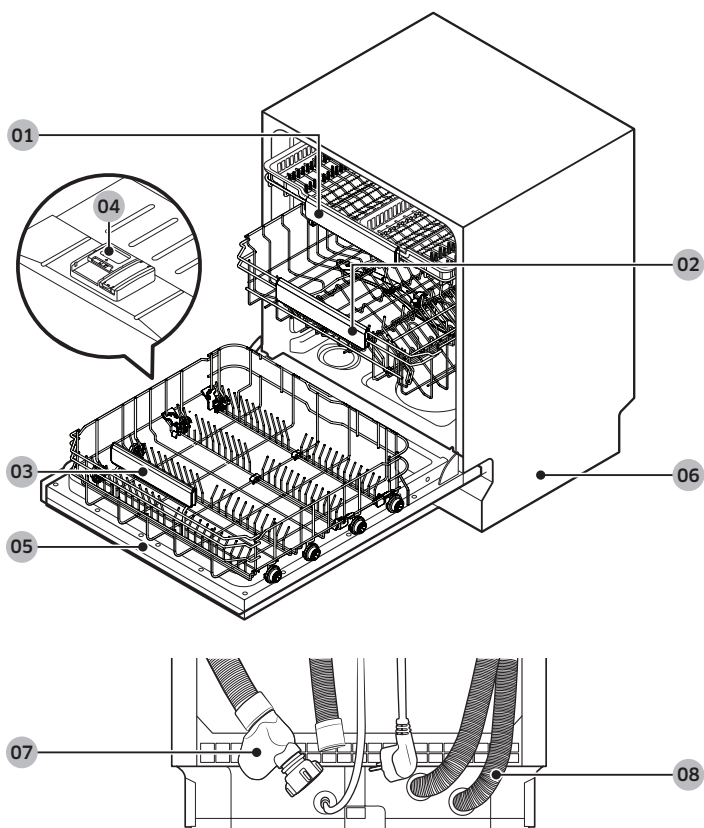
Make sure that your dishwasher's hardness level setting is correct as your area.

Please consult www.samsung.com/support for more information about materials and repairs.

Product overview

Dishwasher at a glance

DW70H75**** models



01 Cutlery rack

02 Upper rack

03 Lower rack

04 Dispenser

05 Door

06 Base

07 Water hose

08 Drain hose

Preparing the installation

Installation requirements

To prevent a risk of fire, electric shock, or personal injury, all wiring and grounding must be done by a qualified technician.

Power supply

An individual 220-240 V~, 50 Hz branch circuit that is dedicated to the dishwasher.



WARNING

- Do not use an extension cord.
- You must only use the power plug that comes with the dishwasher.
- After the installation is complete, make sure the power plug is not bent or damaged.

Grounding

For permanent grounding, the dishwasher must be properly grounded to a grounded metal or permanent wiring system. The grounding conductor must be run with the circuit conductors and then connected to the grounding terminal or lead on the dishwasher.



WARNING

- Do not connect the ground wire to plastic plumbing, gas lines, or hot water pipes. Improperly connected grounding conductors may cause electric shock.
- Do not modify the power plug of the dishwasher. If the power plug does not fit the outlet, have a proper outlet installed by a qualified electrician.

Water supply

- The water supply line must support water pressures between 0.04 and 1.0 MPa.
- Water temperatures must be lower than 60 °C.
- The stopcock / supply valve with a 3/4" male thread must be installed for the water supply connection.

To reduce the risk of leaks:

- Make sure water taps are easily accessible.
- Turn the water supply valve off when the dishwasher is not in use.
- Check for any leaks at the water hose fittings on a regular basis.
- To stop any leak, seal the water line connections and joints using Teflon tape or a sealing compound.

Aqua Stop

The Aqua Stop is an electrical component that is designed to prevent water leaks. The Aqua Stop is attached to the water hose and automatically cuts off the water flow in the event of damage to the hose.



CAUTION

- Handle the Aqua Stop with care.
- Do not kink or twist the water hose connected to the Aqua Stop. If the Aqua Stop is damaged, shut off the water taps and unplug the power plug immediately. Then, contact a local Samsung customer centre or a qualified technician.

Drain

If you are using a drain system dedicated to the dishwasher, connect the drain hose to a drain system that is between 300 mm and 700 mm off the ground. Connecting the drain hose to a drain system more than 700 mm off the ground can cause the drained water to flow backward.

Flooring

For safety, install the dishwasher on a solidly constructed floor. Wooden floors may need to be reinforced to minimise vibrations. Avoid installing on carpet or soft tiles. Carpeting and soft tile may cause vibrations and may cause your dishwasher to move slightly while operating.



WARNING

Do not install the dishwasher on a poorly supported structure.

- Make sure the dishwasher is level using the height-adjustable feet.
- When levelling is complete, check if the door opens and closes properly.

Ambient temperature

Do not install the dishwasher in an area exposed to freezing temperatures. The dishwasher always retains some water in the water valve, pump, and hose. If the water freezes in the dishwasher or hoses, it may damage the dishwasher and its components.

SmartThings

Wi-Fi connection

On your phone, go to Settings and connect to your home Wi-Fi network.

Download

On an app market (Google Play Store, Apple App Store, Samsung Galaxy Apps), find the SmartThings app with a search term of “SmartThings”. Download and install the app on your device.

Log in

You must first log into SmartThings with your Samsung account. To create a new Samsung account, follow the instructions on the app. You don’t need a separate app to create your account.

NOTE

If you have a Samsung account, use the account to log in. A registered Samsung phone user automatically logs in.

Wi-Fi Off

To manually turn the Wi-Fi off, tap and hold **Sanitize** and **Smart Control** for 3 seconds at the same time.

To register your device to SmartThings

1. Make sure your phone is connected to a wireless network.
2. Select to run **SmartThings** on your phone.
3. When a message of “**A new device is found.**”, select **Add**.
4. If no message appears, select **+** and select your dishwasher in a list of devices available. If your dishwasher is not listed, select **Device Type > Specific Device Model**, and then add your dishwasher manually.
5. Follow the onscreen instructions to complete the connection process for your dishwasher.
6. When the process is complete, your dishwasher will appear in the list of devices on your SmartThings App.
7. For iPhone users to access the SmartThings app, they need to scan the QR code or enter the serial number provided below the QR code.

Dishwasher app

Integrated control: You can monitor and control your dishwasher both at home and on the go.

- Select the dishwasher icon on SmartThings. The dishwasher page appears.
- Check the operation status or notifications related to your dishwasher, and change options or settings if necessary.

NOTE

- This device is designed for household use only (Class B), and can be used in all residential areas.
- This device may cause wireless interference, and neither the manufacturer nor the installer of this device can provide a safety measure of any kind.
- Recommended encryption methods are WPA/TKIP and WPA2/AES. Newly developed Wi-Fi protocols or unapproved Wi-Fi protocols are not supported.
- The reception sensitivity of a wireless network may be affected by surrounding wireless environments.
- If your Internet provider has registered the MAC address of your PC or the modem module for permanent use, your Samsung dishwasher fails to connect to the Internet. If this happens, contact your Internet provider.
- The Internet firewall may interrupt your Internet connection. If this happens, contact your Internet provider.
- If Internet failure continues after following the measurement of your Internet provider, contact a local Samsung retailer or service centre.
- For installing wired and wireless routers, refer to the user manual of the router you use.
- Samsung dishwasher supports the Wi-Fi 2.4 GHz protocols.
- Samsung dishwasher supports the IEEE802.11 b/g/n (2.4 GHz), Soft-AP protocols. (IEEE802.11n is recommended)
- An unapproved wired/wireless router may fail to connect to Samsung dishwasher.
- The SmartThings app is available on Android and iOS devices. The app is optimised for Samsung phones.
- Some functions of the app may operate differently on third-party devices.
- The app is subject to change without notice for improved performance.
- In addition, further updates on the app or the function in the app may stop caused by usability and security reasons, even if updates are currently supported on your OS.
- Your device uses non-harmonised frequency and is intended for use in all European countries. The WLAN can be operated in the EU without restriction indoors, but cannot be operated outdoors in France.
- You can easily install the SmartThings app or use the product with your phone by scanning the QR code on the attached label.
- Hereby, Samsung Electronics, declares that the radio equipment type appliance is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: The official Declaration of conformity may be found at <http://www.samsung.com>, go to **Support > Search Product Support** and enter the model name.
- The overall standby power consumption is 2.0 W in which all network ports stay in “on” condition.
 - Data determined according to standard EN 50564 and Regulation (EC) No 1275/2008

Wi-Fi	
Frequency range	Transmitter power (Max)
2412 MHz - 2472 MHz	20 dBm

SmartThings functions

Category	Function	Description
Monitoring	Washing status	You can check the current cycle and its options, and the remaining cycle time.
	Smart Control	The Smart Control status is shown for the dishwasher.
	Energy monitoring	Use this to monitor the energy consumption status.
Control	Start/Pause/Cancel	Select a cycle and necessary options, and then select Start/Pause/Cancel to start an operation, to stop temporarily, or to cancel the current operation.
	My Favorite	Add frequently used cycles and options to My Favorite for later use.
	Delay Start	Set Delay Start to start the cycle at a scheduled time (up to 24 hours).
Notification	Cycle completed	Notifies you when the current cycle is complete.
	Detergent	Notifies you if the dishwasher is out of rinse aid.

WSN

1. How to access: tap and hold **Start** ➤ in AP mode. (To enter the AP mode, tap and hold **Smart Control**  for 3 seconds.)
2. Display format
 - After receiving WSN data from WiFi module, “-” + first 2 digits are displayed and next 3 digits are displayed by every **Start** ➤ button tapping.
 - Beep is generated when the **Start** ➤ button is tapped for displaying digits.
 - Display example : “-” for the starting display
ex) WSN : “01234567897835”



- 01 - 234 - 567 - 897 - 835

Before you start

Unsuitable items for the dishwasher

WARNING

Only wash items such as glass, porcelain, and cutlery which the manufacturer declares as dishwasher safe. Do not wash aluminium (for example grease filters). The dishwasher may damage aluminium, or in extreme cases, cause a severe chemical reaction.

Do not wash the following items in the dishwasher.

- Copper, brass, tin, ivory, and aluminium items or items with adhesive
- Non-heat resistant plastics
- Craft items, antiques, valuable vases, and decorative glassware
- Pottery or glazed-ceramic items
- Wooden or silver tableware or items that includes wooden or silver parts
- Delicate glassware or glassware containing the lead crystal. Clouding may occur on the glassware after frequent washing.

CAUTION

- Do not wash items that are covered with ash, sand, wax, lubricating grease, or paint. These materials will damage the dishwasher. Ash does not dissolve and will spread inside the dishwasher.
- Remove food remains such as bones, fruit seeds, etc. and waste such as toothpicks, paper napkins, etc. from your dishes. Food remains and waste can make noise, cause the dishwasher to malfunction, and damage your dishes and dishwasher.

NOTE

Silverware that has contacted foods containing sulphur may become discoloured. Food with sulphuric content include egg yolks, onions, mayonnaise, mustard, fish, fish brine, and marinades.

Basic use of racks

NOTE

Depending on the models, the actual appearance of the racks and the loading method may differ from the figures.

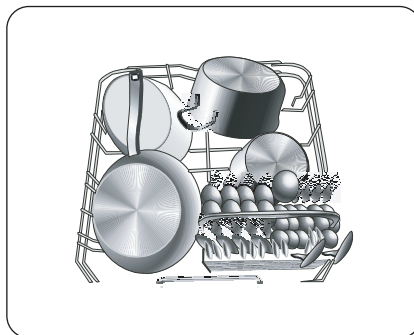
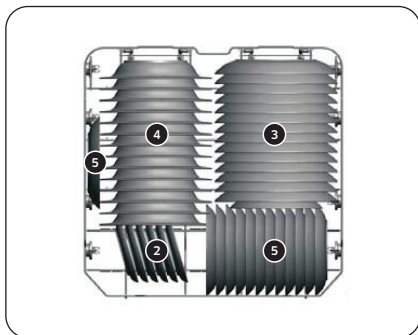
Loading the lower rack

We recommend that you place large items, that are difficult to clean (such as pots, pans, lids, serving dishes and bowls), in to the lower rack.

It is preferable to place serving dishes and lids on the side of the racks in order to avoid blocking the rotation of the upper nozzle. Pots, serving bowls, etc. must always be placed top down.

Deep pots should be slanted to allow water to flow out.

The lower rack features folding tines to easily load larger pots and pans.



1. Cups
2. Saucers



3. Dinner plates



4. Soup plates



5. Dessert dishes

NOTE

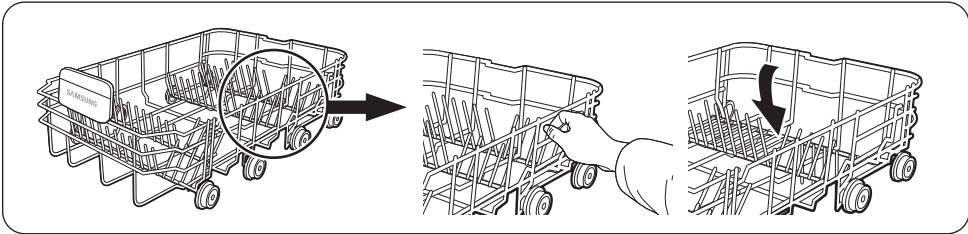
Long items, serving cutlery, salad servers and big knives should be placed on the shelf so that they do not obstruct the rotation of the spray arms.

Before you start

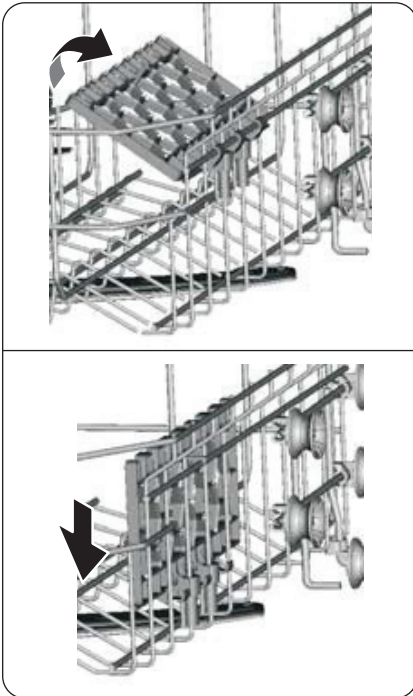
Using the tines

Fold or unfold the tines depending on the items you load.

Fold them for better stacking of pots and pans and unfold them to load items such as dishes.



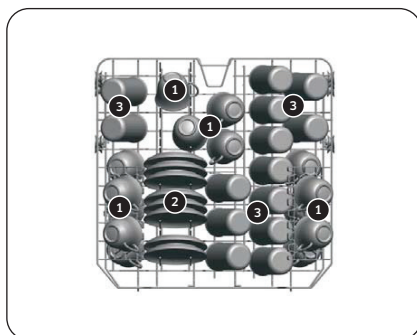
Folding back the cup shelves



For better stacking of pots and pans, the shelves can be folded down as shown in the picture below.

Loading the upper rack

The upper rack is designed to hold more delicate and lighter dishware such as glasses, coffee and tea cups and saucers, as well as plates, small bowls and shallow pans (as long as they are not too dirty). Position the dishes and cookware so that they will not get moved by the spray of water. Always place glasses, cups & bowls upside down.



- 1. Cups
- 2. Saucers



- 3. Glasses

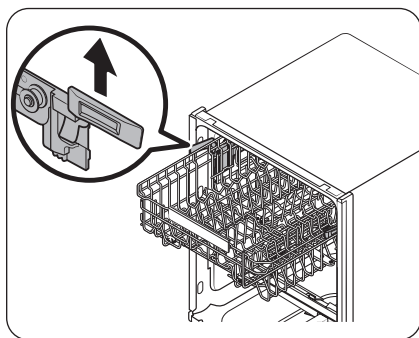
Before you start

Adjusting the position of the upper rack

You can adjust the height of the upper rack so that the lower rack can accommodate larger sized dishes. Depending on the height of the upper rack, the lower rack can accommodate plates up to 30 cm in diameter, and the upper rack can accommodate plates up to 18 cm (with Cutlery rack) or 25 cm (without Cutlery rack) in diameter.

⚠ CAUTION

- Pull out the upper rack completely and adjust its height before loading dishes. Adjusting the rack after loading the dishes may damage the dishes.
- Make sure to hold both handles when adjusting, or the dishwasher door may not close properly.



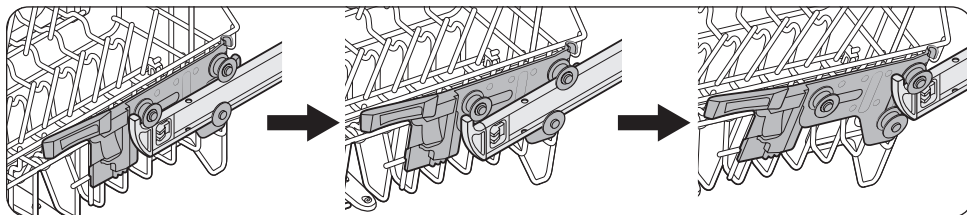
- To raise the upper rack, pull the upper rack upwards. The adjustable handle will latch, and the upper rack will raise.
- To lower the upper rack, hold both the adjustable handles located at the left and right sides of the upper rack, and then evenly press down.

Removing the upper rack

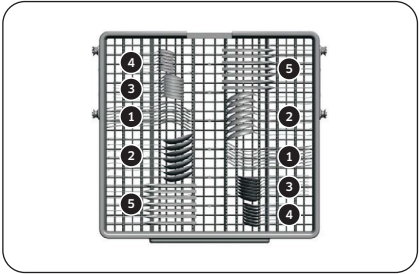
⚠ CAUTION

- Do not operate the dishwasher without the upper rack. Otherwise, noises occur and the dishwasher does not operate properly.
- Because the upper rack is removable, insert the upper rack properly to ensure the dishwasher operates normally.

Pull the upper rack to the front until it is fully extended, and then lift it slightly to remove. See the following figures.



Loading the cutlery rack



1. Forks



2. Soup spoons



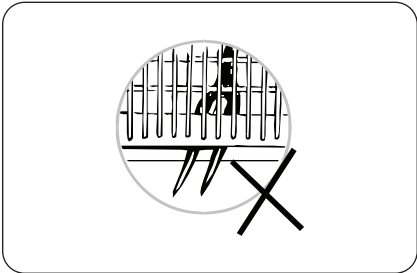
3. Dessert spoons



4. Tea spoons



5. Knives



 WARNING

- Do not let any item extend through the bottom.
- Always load sharp utensils with the sharp point down!

Before you start

Detergent compartment

All dishwasher cycles require detergent in the detergent compartment. Apply detergent as recommended for the selected cycle to ensure best performance.

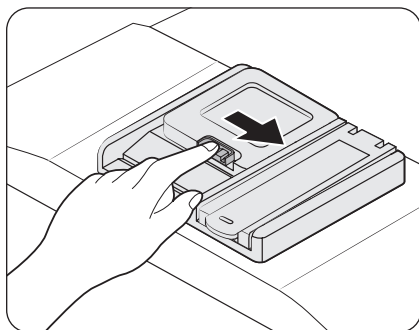
WARNING

- Do not place dishwasher detergent in your mouth. Avoid breathing in detergent fumes. Dishwasher detergent contains irritants and caustic chemicals that can induce respiratory conditions. If you have consumed dishwasher detergent or inhaled detergent fumes, seek medical attention immediately.
- Keep dishwasher detergent out of children's reach.

CAUTION

- Use dishwasher detergent only. Other types of detergent produce excessive foam, which may decrease the dishwasher's performance or cause it to malfunction.
- The dishwasher may not wash well if there is not much detergent. For normally soiled items, we recommend 20-25 grams; however, this may differ depending on the detergent manufacturer, so please follow that manufacturer's recommendations.

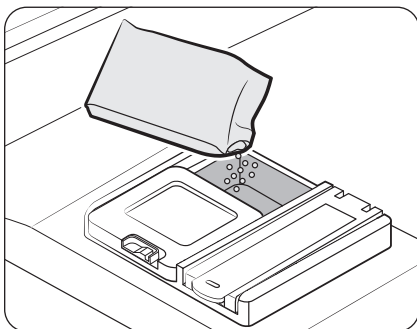
Filling the detergent



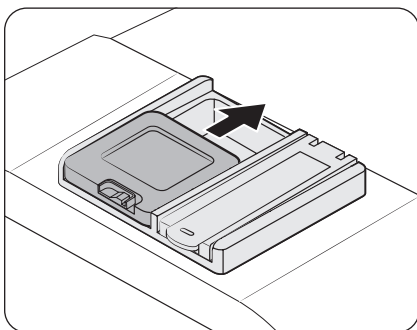
1. Open the detergent dispenser cap by pushing the detergent dispenser catch to the right.

NOTE

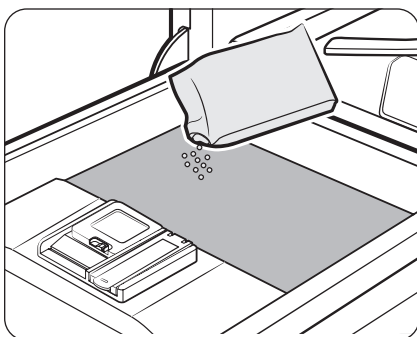
The cap remains open at the end of a cycle.



2. Add the recommended amount of detergent to the main wash detergent compartment.



3. Close the lid by sliding it up.



4. If the items are heavily soiled, pour a small amount of detergent onto the door for better cleaning results.

NOTE

The additional detergent will activate during the pre-wash process.

The cover opens automatically to dispense the detergent during the wash.

Before you start

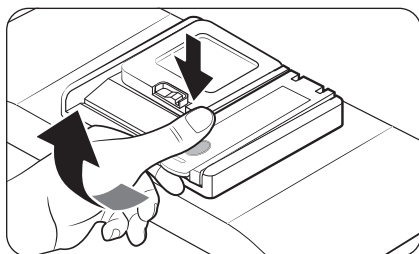
Rinse aid compartment

- Rinse aid improves the drying performance of the dishwasher.
- Refill the rinse aid compartment when you get a rinse refill alert message on the control panel.
- Only use a liquid rinse aid. A Powdered rinse aid will clog the opening of the compartment causing the dishwasher to malfunction.

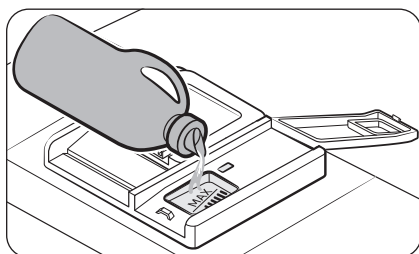
CAUTION

- Do not apply any type of detergent to the rinse aid compartment.
- Do not excessively fill the rinse aid compartment as it may overflow during a cycle.

Filling the rinse aid



1. Open the rinse aid compartment cover.
 - While pressing the circular section on the cover, lift the cover to open it.



2. Fill the rinse aid compartment with the rinse aid.

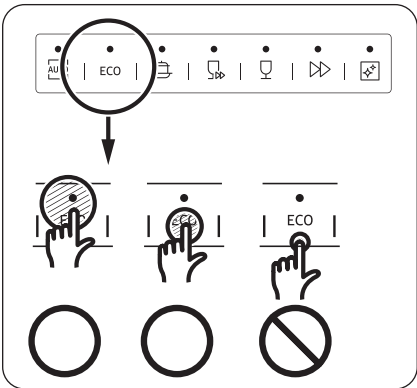
CAUTION

Do not fill the rinse aid over the max line in the compartment. Excess rinse aid can overflow during the wash cycle.

3. Close the rinse aid compartment cover.

Touchpad responsiveness

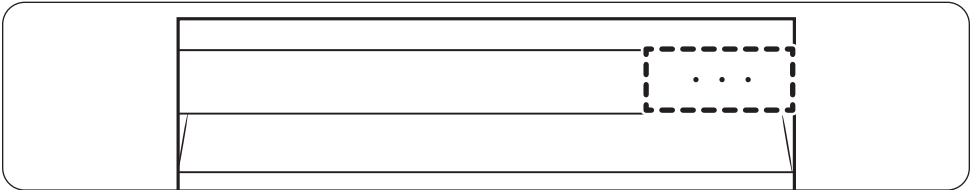
To prevent the touch-enabled controls from losing responsiveness, follow these instructions.



- Touch the centre of each button with one finger.
- Do not touch more than one button at a time, except as directed.
- Clean the surface of the control panel regularly with a soft, damp cloth.

Operation status indicators

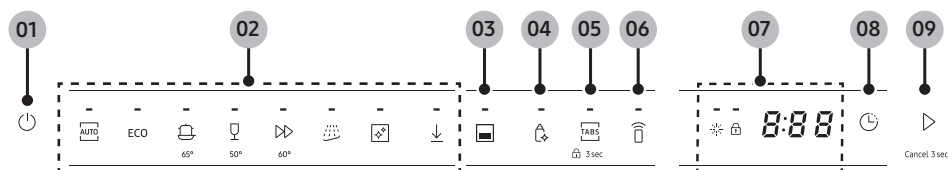
Three indicators at the front top right corner indicate the current operation status of the dishwasher.



Status	Indicator (● : On / ○ : Off)	Description
Washing	● ○ ○	The washing process is in progress.
Rinsing	● ● ○	The rinsing process is in progress.
Drying	● ● ●	The drying process is in progress.
Complete	○ ○ ○	The operation is complete.

Operations

Control panel



01 Power	Tap this button to turn the dishwasher on or off.
02 Cycles	- You can select the desired wash cycle. - For more information on the wash cycles, see the "Cycle overview" section on page 30.
03 Lower Rack	- You can turn the Lower Rack option on or off. - Use this option to run a wash cycle with fewer items, using only the lower rack. - This option is not available with the Pre Wash , Machine Care , Plastic*, Pots & Pans* and Baby Care* cycles. *: Downloaded cycle
04 Sanitize	- You can turn the Sanitize option on or off. - Use this option to increase the water temperature up to 70 °C in the final rinse process for high-temperature sanitization. - This option is not available with the Pre Wash , Machine Care , Plastic*, Pots & Pans* and Baby Care* cycles. *: Downloaded cycle
05 Multi Tab	- You can turn the Multi Tab option on or off. - Use this option to use the 3 in 1 tablet which does not need salt and rinse aid. - This option is not available with the AUTO , Pre Wash , Machine Care , Plastic*, Pots & Pans* and Baby Care* cycles. *: Downloaded cycle
	Control Lock Tap and hold this button for 3 seconds to activate the Control Lock function. For more information, see the "Control Lock" section on page 34.
06 Smart Control	- You can turn the Smart Control option on or off. - Turning on the Smart Control option allows remote access to the dishwasher.

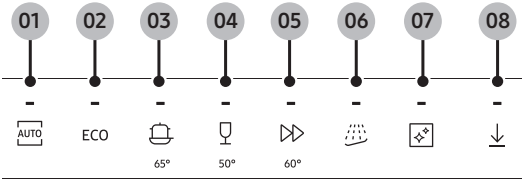
07 Display	- You can check various information on the display. - You can check the operation time of each cycle, remaining operation time, alert icons, information codes, etc. - For more information on the icons, see the “Icon descriptions” section on page 29. - For more information on the information codes, see the “Information codes” section on page 44.
08 Delay Start 	- You can start the dishwasher operation at a desired time. - Tap this button to select from 1 to 24 hours to delay the start of the dishwasher. - After selecting the desired starting time, you must tap Start  and close the door. - To change the delay start setting, you must restart the dishwasher.  NOTE You must select the desired wash cycle before setting Delay Start .
09 Start  (Cancel 3 sec)	- Tap this button, and then close the door to start the operation. Cancel 3 sec: Tap and hold this button for 3 seconds to cancel the current cycle and drain the dishwasher.

Icon descriptions

Rinse Refill		This icon turns on to alert you to refill the rinse aid compartment.
Control Lock		This icon turns on when the Control Lock function is activated.

Operations

Cycle overview



The temperature under the buttons indicates the washing temperature during the cycle, and the washing temperature may differ depending on the selected options.

Cycle	Description
01 AUTO	The dishwasher sets the appropriate wash time and water temperature according to the detected soil level for effective washing.
02 ECO *	- This cycle is for washing normally soiled dishes with less energy use. - This cycle takes a longer time to complete for less energy consumption.
03 Intensive	This cycle is for washing heavily soiled items.
04 Delicate	- This cycle is for lightly soiled, fragile items such as glasses. - The items must be dishwasher-safe.
05 Express	This cycle is best for quickly washing daily-using items.
06 Pre Wash	This cycle is for pre-washing the items with cold water to remove dirt before running another wash cycle.
07 Machine Care	- This cycle is for cleaning the inside of the dishwasher. - Do not operate this cycle with the racks loaded with any items. Empty the dishwasher before running this cycle.
08 Downloaded	- You can download a cycle from the SmartThings app and use this button to select the downloaded cycle. - Plastic is the default download cycle and you can download the following additional cycles: Plastic, Pots & Pans and Baby Care. - For more information on downloading the cycle, see the “Downloading a cycle from the SmartThings app” section on page 31.

* The values for the ECO program have been obtained following the test standard AS/NZS20071-2021. The values given for the other programs are indicative only.

Downloading a cycle from the SmartThings app

You can download and use the cycles available from the SmartThings app.

 NOTE

Some models may have applied one of the available cycles as a default and may not need to download a cycle.

1. Turn on the dishwasher and make sure it is connected to a Wi-Fi.
2. Turn on the SmartThings app on your mobile device and select the dishwasher.
3. Tap **Downloaded cycle**.
4. Select the cycle you want to download to the dishwasher. Plastic, Pots & Pans and Baby Care cycles are available.
5. Tap **Apply**.

 NOTE

You can check the descriptions of the each cycle on the SmartThings app.

Cycle	Description
Plastic	This cycle is used when washing plastic dishes. It washes plastic at a safer temperature (60 °C) and dries them better.
Pots & Pans	Choose to wash pots and pans. This cycle uses hotter water and higher pressure than a standard cycle for focused cleaning of pot and pans.
Baby Care	Suitable for rinsing/drying dishes at a high temperature of 70 °C. Do not add detergent or rinse.

Operations

Operating a cycle

1. Open the door and then load the dishwasher. Make sure to remove food remains and waste on the dishes.
 - Do not load the dishwasher if you are going to use the Machine Care  cycle.
2. Apply detergent to the detergent dispenser. For better results, add rinse aids.
3. Tap **Power**  to turn on the dishwasher.
4. Tap the desired cycle button.
5. Select the desired options.
 - Tap **Lower Rack** , **Sanitize** , **Multi Tab** , or **Delay Start**  to enable or disable each option.
 - Some options may be unavailable depending on the cycle.
 - Make sure you have loaded only the lower basket to use the Lower Rack  option.
6. Tap **Start** , and then close the door.
 - The dishwasher starts the cycle after draining for a few seconds.

NOTE

- To change the cycle after it has started, touch and hold **Start**  for 3 seconds to cancel the cycle. Then, select a new cycle.
- The default cycle is ECO.
- To resume after you have opened the door to stop the dishwasher while operating, simply close the door.

Settings

You can customize your dishwasher settings easily by following the steps below.

Entering the setting menu

1. Tap **Power**  to turn on the dishwasher.
2. Within 60 seconds of powering on, tap and hold **ECO** for 5 seconds to enter the setting menu.
 - "0:00" appears on the display, when you enter the setting menu.
3. Use the corresponding buttons to select and adjust each setting as described below.

Sound

You can turn the sound on or off.

1. Tap **Lower Rack**  to select the Sound setting.
 - The current setting appears on the display. (The factory default setting is "U1".)
2. Tap **AUTO** to change the setting.
 - U0: Off
 - U1: On
3. The setting will be saved automatically after 5 seconds.

AutoRelease™

Enable automatic door opening after each cycle to improve drying performance.

1. Tap **Multi Tab**  to select the AutoRelease™ setting.
 - The current setting appears on the display. (The factory default setting is "A1".)
2. Tap **AUTO** to change the setting.
 - A0: Off
 - A1: On
3. The setting will be saved automatically after 5 seconds.

Rinse aid level

1. Tap **Sanitize**  to select the Rinse aid level setting.
 - The current setting appears on the display. (The factory default setting is "F4".)
2. Tap **AUTO** to change the setting.
 - You can select from F1 (minimum) to F5 (maximum).
3. The setting will be saved automatically after 5 seconds.

Operations

Special features

Delay Start

You can delay the cycle starting time up to 24 hours in 1-hour increments. The hour displayed indicates the time at which the cycle will start.

1. Open the door and then load the dishwasher.
2. Tap **Delay Start**  to change the time in 1-hour increments.
 - If you tap and hold **Delay Start** , the time will increase continuously until you release it.
3. Tap **Start**  and close the door.

NOTE

If you need to adjust the delay time after the cycle has started, tap **Power**  to turn off the dishwasher, then restart and set the new delay time.

Control Lock

To prevent children from playing with the dishwasher, Control Lock locks all button controls except for Power.

- To activate Control Lock, tap and hold **Multi Tab**  for 3 seconds. With Control Lock activated, you cannot select a cycle or option or start an operation.
- To deactivate Control Lock, tap and hold **Multi Tab**  again for 3 seconds.
- The Control Lock remains enabled even after restarting the dishwasher. To cancel Control Lock, you must deactivate it first.

Open Source Announcement

The software included in this product contains open source software.

The following URL http://opensource.samsung.com/opensource/SMART_TP2_0/seq/0 leads to open source license information as related to this product.



Maintenance

Cleaning

Keep the dishwasher clean to improve performance, reduce unnecessary repairs, and lengthen its lifecycle.

Exterior

Clean spills on the surface of the dishwasher immediately. Use a soft, damp cloth on the control panel to gently wipe away spills and dust.

CAUTION

- Do not use benzene, wax, thinner, chlorine bleach, alcohol, or other chemical substances. These materials may discolour the surface of the dishwasher and cause stains.
- The dishwasher has electric parts inside. Do not spray water directly onto the dishwasher. Protect electrical components from water.
- For a stainless-steel door panel, use a stainless-steel cleaner for home appliances and a clean, soft cloth.

Interior

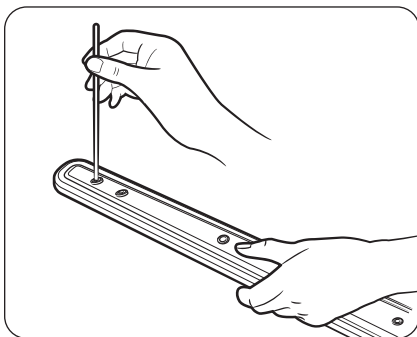
- Clean the interior of the dishwasher on a regular basis to remove any dirt or food particles. Wipe inside the dishwasher and inside the door with a wet dishcloth.
- Use the **Machine Care**  cycle every month to keep the interior clean and prevent bad odours.
- If your tap water is hard, you can prevent limescale inside the dishwasher by adding citric acid to the detergent when operating the dishwasher.

CAUTION

- Do not remove the front seal (the long rubber seal enclosing the opening of the dishwasher). The seal keeps the inner side of the dishwasher sealed.
- Use a damp cloth to remove the lime scale or grease deposits inside the dishwasher. Alternatively, apply some detergent, and then run an empty cycle using the highest rinse temperature.

Spray arms

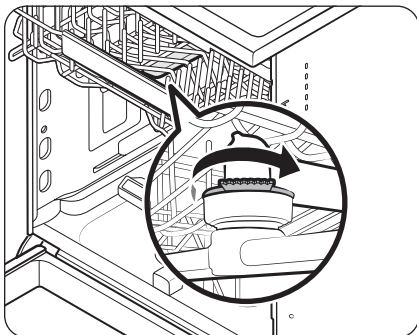
To prevent the spray arms from being clogged or if the spray arms are clogged, remove and clean each spray arm. Use caution when removing the spray arms as they may break.



NOTE

If the water holes on the spray arms are clogged, use a thin pointed tool to unclog the holes.

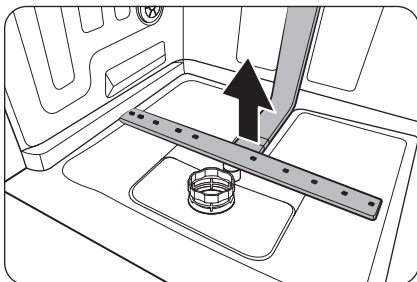
Middle spray arm



1. Open the door, and then pull out the upper rack.
 - The middle spray arm is attached underneath the upper rack.
2. Loosen and remove the nut, and then remove the spray arm.
3. Unclog and clean the spray arm.
4. Reinsert the spray arm, and then tighten the nut by hand.
5. Rotate the spray arm to make sure it is correctly assembled.

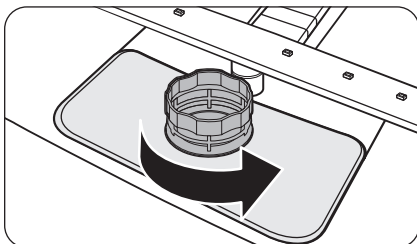
Maintenance

Bottom spray arm

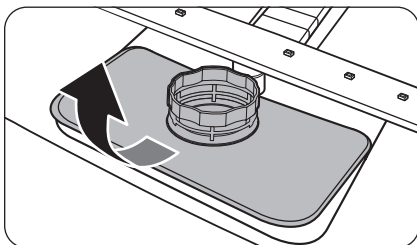


1. Open the door.
2. Remove the lower rack.
 - The bottom spray arm is attached on the bottom interior wall.
3. Pull the bottom spray arm to remove it.
4. Unclog and clean the spray arm.
5. Reinsert the spray arm.
6. Rotate the spray arm to make sure it is correctly assembled.

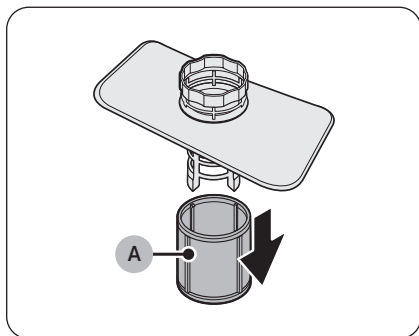
Filters



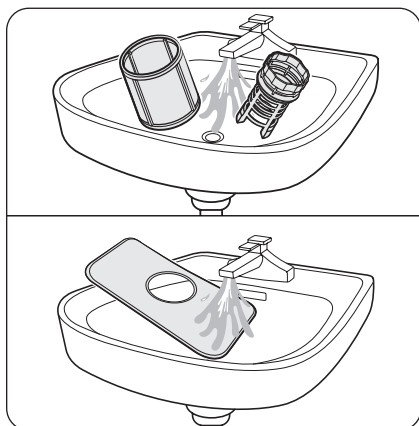
1. Open the door, and then remove the lower rack.
2. Turn the filter handle anticlockwise to unlock the coarse filter.



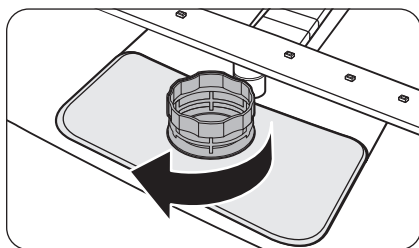
3. Lift the coarse filter and remove them from the bottom of the dishwasher.



4. Disassemble the **micro filter (A)**.



5. Remove any dirt and impurities from all the disassembled filters and rinse them in running water.
6. Dry the filters before putting them back into the dishwasher.



7. Assemble all the filters and put them back into the dishwasher.
8. Turn the filter handle clockwise to lock the filters.

CAUTION

Make sure the coarse filter is securely and completely closed. Improper closure may reduce filtration performance and affect the proper operation of the product.

Maintenance

Long-term care

If you will not use the dishwasher for an extended period of time, first drain the unit completely, and then disconnect the water hose. Shut off the water supply valve and the circuit breaker. Water remaining in the hoses or the internal components can damage the dishwasher.

Troubleshooting

Checkpoints

If you encounter an issue with the dishwasher, first check the table below and try the suggestions. Following the repair by a non-authorized service provider, self-repair or non-professional repair of the product, Samsung is not liable for any damage to the product, any injury or any other product safety issue caused by any attempt to repair the product which does not carefully follow these repair and maintenance instructions. Any damage to the product caused by an attempt to repair the product by any person other than a Samsung certified service provider will not be covered by the warranty

Symptom	Possible cause	Action
The dishwasher does not start.	The door is not completely closed.	• Make sure the door is latched and completely closed. • Make sure the middle spray arm water supply tube is properly connecting to the water outlet at the rear interior wall. • Make sure the upper rack is properly inserted.
	The power cord is not connected.	• Connect the power cord.
	Water is not being supplied.	• Make sure the water supply valve is open.
	The control panel is locked.	• Deactivate the Control Lock function.
The dishwasher has bad odours.	Water remains from the previous cycle.	• With the dishwasher empty, add detergent, and then run the Express >> cycle.
Water remains in the dishwasher after a cycle has finished.	The drain hose is kinked or clogged	• Straighten and unclog the drain hose.

Troubleshooting

Symptom	Possible cause	Action
Food remains on dishes.	An incorrect cycle was selected.	Select a cycle according to the soil level of the dishes as instructed in this manual.
	The filters are clogged or not correctly fastened.	- Clean the filters. - Make sure the filters are correctly fastened.
	An insufficient amount of detergent was used.	Use the correct amount of detergent for each load.
	The water pressure is low.	Make sure the pressure is between 40-1000 kPa.
	The spray arms are clogged.	Clean and unclog the spray arms.
	Dishes are improperly loaded or overloaded.	Arrange the dishes so they do not interfere with the spray arms or the detergent dispenser.
Dishes are not dried well enough	The rinse aid compartment is empty.	Fill the rinse aid compartment with the rinse aid.
	Not enough rinse aid was used.	Change the Dose per Rinse setting.
	Too many dishes were loaded.	Overloading may reduce the drying performance. Load your dishes as recommended.
	Glasses and cups spilled water onto other dishes while being unloaded.	Empty the lower rack first, and then the upper rack. This will avoid water dripping from the upper rack onto the dishes in the lower rack.
	Multiple detergent tablets were used without selecting the Sanitize  option.	Select the Sanitize  option or use a rinse aid.
The dishwasher is too noisy.	The detergent compartment is opened to dispense the detergent.	This is normal.
	The drain pump is operating.	This is normal.
	The dishwasher is not level.	Make sure the dishwasher is level.
	The spray arm bumps against the dishes, creating a chopping sound.	Rearrange the dishes.

Symptom	Possible cause	Action
A layer of the yellow or brown stain remains on dishes.	Coffee and tea soils.	Use a cycle with a higher temperature water.
The display is not turning on.	The power cord is not connected.	Check power supply is present.
The spray arms do not rotate smoothly.	The spray arms are clogged with food particles.	Clean the spray arms.
The dishwasher bubbles up and the foam remains too much on the front.	Regular detergent was used instead of dishwasher detergent.	- Always use dishwasher detergent. - Turn the dishwasher off and remove the bubbles.

Troubleshooting

Information codes

If the dishwasher fails to operate, you may see an information code on the display. Check the table below and try the suggestions.

Code	Action
LC	Leakage check • Close the water supply valve. Go to your home's circuit breaker panel, and set the dishwasher's circuit breaker switch to off. Contact the installer to repair. If the issue continues, contact a local Samsung service centre.
4C	Water supply check • Check if the water supply valve is closed, if the water supply is suspended, or if the water inlet valve or line is frozen or clogged by foreign particles. If the issue continues, contact a local Samsung service centre.
AC	PCB communication check • Abnormal communication between the main PCB and the sub PCB. If the issue continues, contact a local Samsung service centre.
HC	High temperature heating check • Functional check. With the dishwasher empty, add detergent, and then run a cycle. If the issue continues, go to your home's circuit breaker panel, and set the dishwasher's circuit breaker switch to off. Contact a local Samsung service centre.
tC	Thermistor check • Temperature sensor is deformed or broken (short or open circuit). If the problem continues, contact an authorised Samsung service centre.
PC	Distribution motor check • Abnormal working with distribution motor assembly, or main PCB. If the issue continues, contact a local Samsung service centre.

If any information code keeps appearing on the screen, contact a local Samsung service centre.

Spare parts* for end-users are available for a minimum of 10 years**.

* Applicable parts : door hinge and seals, other seals, spray arms, drain filters, interior racks and plastic peripherals such as baskets and lids.

** This means a minimum of 10 years after Samsung places the last unit of the model on the market.

Appendix

Cycle chart

Cycle	AUTO 	ECO	Intensive 	Delicate 
Cycle sequence	Pre wash (45 °C) > Main wash (55-65 °C) > Rinse > Hot Rinse (50-70 °C) > Dry > End	Main wash (46 °C) > Rinse > Hot Rinse (35 °C) > Dry > End	Pre wash (50 °C) > Main wash (65 °C) > Rinse > Hot Rinse (65 °C) > Dry > End	Pre wash (40 °C) > Main wash (50 °C) > Rinse (50 °C) > Hot Rinse (50 °C) > Dry > End
Water consumption (L)	7.8-17.3	11.53	17.3	13.9
Energy consumption (kWh)	0.810-1.500	0.619	1.535	0.950
Cycle time (min.)	129-150	225	205	120

Cycle	Express 	Pre Wash * 	Machine Care 
Cycle sequence	Main wash (60 °C) > Rinse (50 °C) > Hot Rinse (65 °C) > Dry > End	Pre wash > End	Pre wash > Main wash (70 °C) > Rinse > Hot Rinse (70 °C) > Dry > End
Water consumption (L)	12.1	4.1	14.9
Energy consumption (kWh)	1.050	0.02	1.510
Cycle time (min.)	60	15	145

Cycle	Downloaded 		
	Plastic	Pots & Pans	Baby Care
Cycle sequence	Pre wash > Main wash (60 °C) > Rinse > Hot Rinse (60 °C) > Dry > End	Pre wash (50 °C) > Main wash (70 °C) > Rinse > Hot Rinse (70 °C) > Dry > End	Pre wash > Rinse > Hot Rinse (70 °C) > Dry > End
Water consumption (L)	14.1	21.5	10.6
Energy consumption (kWh)	1.080	1.610	0.755
Cycle time (min.)	129	172	79

* Pre Wash  : This cycle does not activate the AutoRelease™ function nor the drying process. Continuous use of the Pre Wash  cycle for an extended time is not recommended. This may reduce the performance of the water softener.

NOTE

- The cycle time depends on the options you have added, and the pressure and temperature of the supplied water.
- The power consumption depends on the water temperature and/or load.
- Energy values for courses were calculated under standardized testing conditions.

Appendix

Transportation/relocation

Make sure the dishwasher is empty with no loose parts. First, drain the dishwasher as follows.

1. When the draining process is complete, open the door.
2. Turn the dishwasher off, and then shut the water valve off.
3. Disconnect the both the water hose and the drain hose.



CAUTION

Do not shake or sway the dishwasher while moving it. Residual water may drip from the dishwasher.

Protection against frost

If you leave the dishwasher in a place with a risk of frost for an extended time, make sure to empty the dishwasher. For details, see the “**Transportation/relocation**” section.

Disposing the dishwasher and helping the environment

Your dishwasher is manufactured from recyclable materials. If you decide to dispose of it, please observe your local waste disposal regulations. Cut off the power cord so that the appliance cannot be connected to a power source.

Remove the door so that animals and children cannot get trapped inside the appliance.

Specifications

Model	DW70H7***F*
Type	Free Standing
Power supply	220-240 V~, 50 Hz
Water pressure	40–1000 kPa
Wash capacity	14 place settings
Rated power	1760-2100 W
Dimension (Width x Depth x Height)	598x600x845 mm
Weight (Unpacked)	45.0 kg

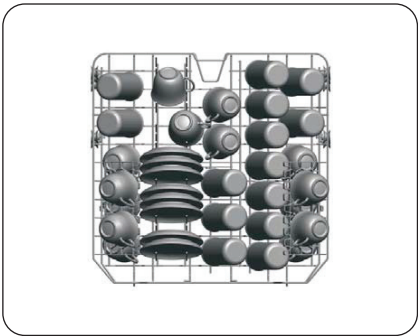
For standard test

NOTE

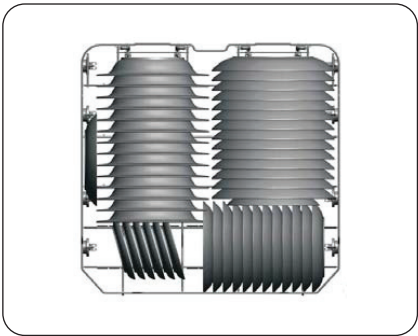
The information for comparability test in accordance with AS/NZS:2007, as follows: The diagrams below show the proper way to load the baskets based on the Australian/ New Zealand Standards (AS/NZS:2007).

DW70H75**** models

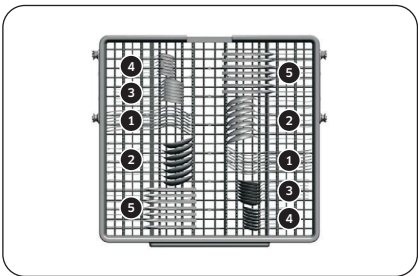
- Washing capacity: 14 place settings
- Test standard: AS/NZS:2007
- Position of upper rack: lower position
- Wash cycle: ECO
- Additional options: None
- Rinse aid level setting: F5
- Dosage of the standard detergent: Main-wash 32.5 g
- For the arrangement of the items, refer to the below figures



Upper rack



Lower rack



Cutlery rack



1. Forks



2. Soup spoons



3. Dessert spoons



4. Tea spoons



5. Knives

Memo

Memo

Memo

SAMSUNG

QUESTIONS OR COMMENTS?

COUNTRY	CALL	OR VISIT US ONLINE AT
AUSTRALIA	1300 362 603 (Other) 1300 425 299 (HHP)	www.samsung.com/support
NEW ZEALAND	0800 726 7864 (All Products) 0800 726 786 (All Products) both numbers are linked with same line	

