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› Samsung Series 6 AI Energy Washing Machine User Manual

Samsung WW90DG6U25LBU1

Samsung Series 6 AI Energy Washing Machine

MODEL: WW90DG6U25LBU1

User Instruction Manual

1. Introduction

Thank you for purchasing the Samsung Series 6 AI Energy Washing Machine. This appliance is designed to provide efficient and effective laundry care with advanced features such as ecobubble technology, SmartThings connectivity, and AI Energy Mode for optimized energy consumption. Please read this manual carefully before using the appliance to ensure safe and proper operation.



Figure 1.1: Front view of the Samsung Series 6 AI Energy Washing Machine.

2. Safety Information

Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, or injury to persons.

- Ensure the appliance is properly grounded.
- Do not allow children to play on or in the appliance.
- Keep flammable materials away from the appliance.
- Do not operate the machine if it is damaged or malfunctioning.
- Unplug the appliance before cleaning or performing any maintenance.
- Do not wash items that are soiled with oil, gasoline, or other flammable substances.

3. What's in the Box

Upon unpacking your Samsung Series 6 AI Energy Washing Machine, please verify that all components are present:

- Samsung Series 6 AI Energy Washing Machine
- Printed User Manual (short version)
- Energy Label
- Warranty Card
- Spanner
- Bolt Caps
- Hose Guide
- Cold Water Hose

4. Setup

Proper installation is crucial for the performance and longevity of your washing machine.

4.1 Unpacking and Positioning

Carefully remove all packaging materials. Position the washing machine on a firm, level surface. Ensure there is adequate space around the appliance for ventilation and access.

4.2 Removing Transit Bolts

Before operation, remove the transit bolts located at the rear of the machine. These bolts secure the drum during transport and must be removed to prevent damage during operation. Use the provided spanner to loosen and remove them, then insert the bolt caps into the holes.

4.3 Water Supply Connection

Connect the cold water hose to the cold water tap and the corresponding inlet on the back of the washing machine. Ensure all connections are tight to prevent leaks.

4.4 Drain Hose Connection

Securely place the drain hose into a standpipe or over the edge of a sink, ensuring it is properly secured with the hose guide to prevent it from dislodging during the drain cycle.

4.5 Leveling the Appliance

Adjust the leveling feet at the bottom of the machine until the appliance is perfectly level. This will minimize vibration and noise during operation.

5. Operating Instructions

This section guides you through the daily operation of your washing machine.

5.1 Control Panel Overview



Figure 5.1: Control Panel.

The control panel features a central program dial, touch-sensitive buttons for various functions, and a digital display for cycle information. Turn the dial to select a wash program, and use the touch buttons to adjust options like temperature, spin speed, and delay end.

5.2 Loading Laundry

Open the washing machine door and load your laundry. Do not overload the machine; ensure there is enough space for clothes to tumble freely. The machine has a 9kg load capacity.



Figure 5.2: Loading the drum.

5.3 Adding Detergent and Softener

Add the appropriate amount of detergent and fabric softener to the designated compartments in the detergent drawer. For models with Auto Dose, the machine will automatically dispense the correct amount.



Figure 5.3: Stay Clean Drawer. Targeted jets of water rinse away build-up in the drawer.

5.4 Selecting a Wash Program

Turn the program dial to select the desired wash program (e.g., Cotton, Synthetics, Delicates, Eco 40-60). The display will show the default settings for the selected program.

5.5 Special Features

- **ecobubble™ Technology:** This feature mixes air, water, and detergent to create bubbles that penetrate fabrics faster, allowing for effective cleaning at cooler temperatures, saving energy.



ecobubble™

ecobubble™ technology mixes air, water and detergent to create bubbles that wash at cooler temperatures.

Figure 5.4: ecobubble™ Technology.

- **SmartThings Integration:** Connect your washing machine to the SmartThings app on your smartphone for remote control, cycle recommendations, energy monitoring, and diagnostic assistance.

A helpful connected family member

Self-check complete,
I'm 100% ready to go



Remote engineer
assistance can
offer a solution
over the phone



Help to prolong
the life of your
appliance with
notifications and
diagnostics

 **SmartThings**

SmartThings requires a Wi-Fi connection and a Samsung account

Figure 5.5: SmartThings Connectivity. Receive helpful notifications, recommended cleaning cycles, remote engineer assistance, and monitor your energy usage.

- **AI Energy Mode:** Utilize the AI Energy Mode via the SmartThings app to optimize energy consumption, potentially reducing it by up to 70%.

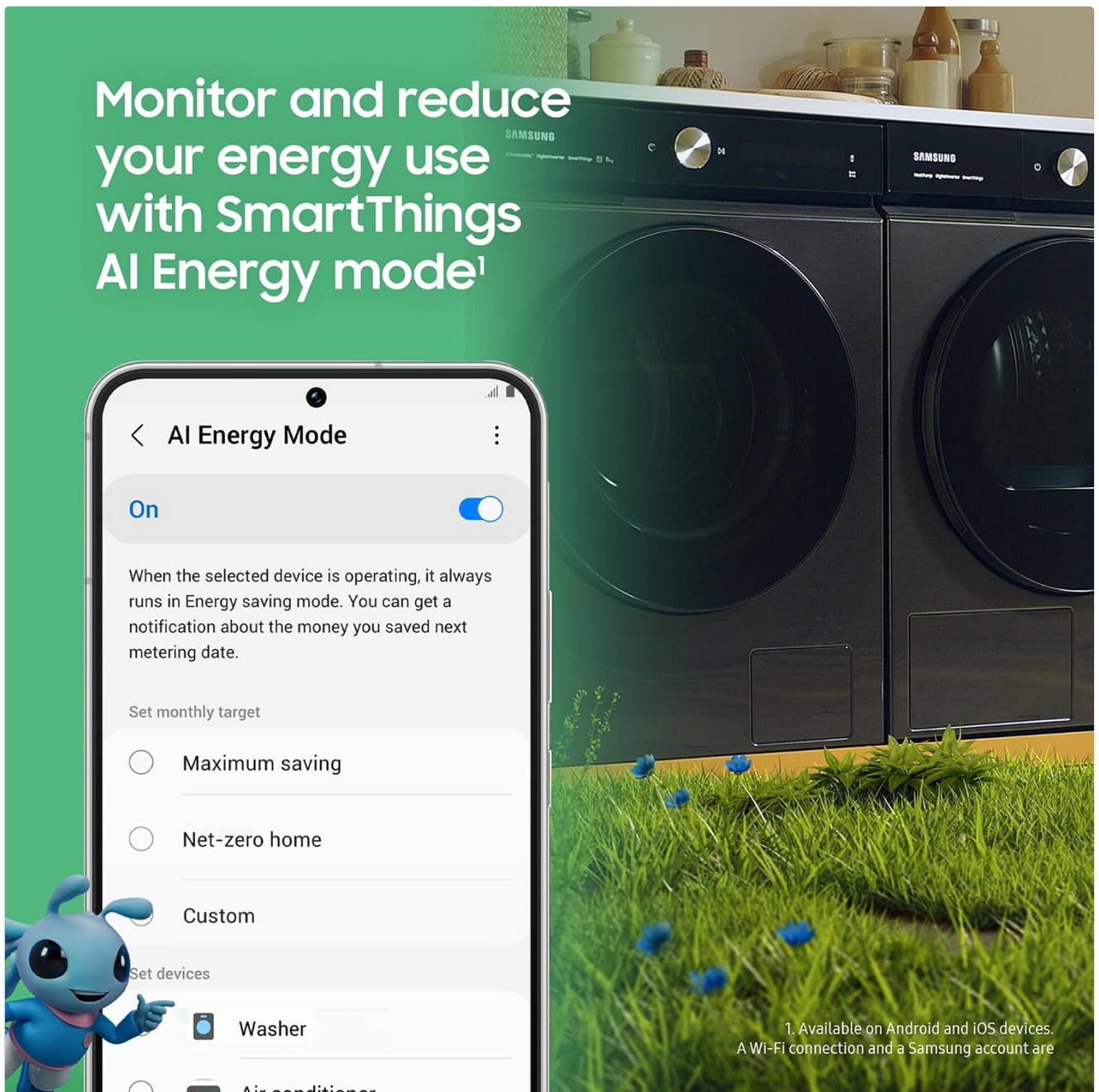


Figure 5.6: SmartThings AI Energy Mode. Monitor and reduce your energy use.

- **Hygiene Steam:** This cycle releases steam from the bottom of the drum, providing a deep and hygienic clean that removes 99.9% of certain bacteria.



Hygiene Steam

Give clothes a deep and hygienic clean with **99.9% sanitisation***.

*Based on the Intertek test report for the Hygiene steam course. Removes 99.9% of the Staphylococcus aureus and Escherichia coli. Individual results may vary.

Figure 5.7: Hygiene Steam. Give clothes a deep and hygienic clean with 99.9% sanitisation.

- **Super Speed Cycle:** For smaller loads (up to 5kg), this cycle can complete a wash in just 39 minutes.



Figure 5.8: Super Speed Cycle. Wash in 39 minutes for loads up to 5kg.

- **Digital Inverter Motor:** The machine is equipped with a durable and quiet Digital Inverter Motor, designed for long-lasting performance.



Figure 5.9: Digital Inverter Motor. Enjoy long-lasting peace of mind with a 20 year warranty on the Digital Inverter Motor.

5.6 Starting a Wash Cycle

Press the Start/Pause button to begin the selected wash cycle. The machine will automatically proceed through the wash, rinse, and spin phases.

6. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your washing machine.

6.1 Cleaning the Detergent Drawer

Periodically remove the detergent drawer and rinse it under running water to remove any detergent or softener residue. This prevents blockages and ensures proper dispensing.

6.2 Cleaning the Drum

Run a 'Drum Clean' or 'Eco Drum Clean' cycle (if available on your model) regularly to remove detergent buildup and bacteria from the drum. This helps prevent odors.



Figure 6.1: Washing machine drum interior.

6.3 Cleaning the Debris Filter

Locate the debris filter at the bottom front of the machine. Open the cover, place a shallow container underneath to catch any water, and carefully unscrew the filter. Remove any lint, coins, or foreign objects, then clean the filter under running water before reinserting it.

6.4 Exterior Cleaning

Wipe the exterior of the washing machine with a soft, damp cloth. Avoid using abrasive cleaners or solvents.

7. Troubleshooting

This section provides solutions to common issues you might encounter.

Problem	Possible Cause	Solution
Machine does not start	Power cord unplugged; Door not closed properly; Child lock activated.	Check power connection; Ensure door is latched; Deactivate child lock (refer to manual for specific button combination).
Excessive vibration/noise	Transit bolts not removed; Machine not level; Uneven load.	Remove transit bolts; Adjust leveling feet; Redistribute laundry inside the drum.
Water leakage	Hose connections loose; Drain hose improperly positioned; Detergent drawer overflow.	Tighten hose connections; Secure drain hose; Clean detergent drawer.
Clothes not clean	Overloading; Insufficient detergent; Incorrect program selection.	Reduce load size; Use appropriate amount of detergent; Select suitable wash program.
Child Lock Issue	Child lock engaged, but power button still active.	The child lock feature on this model is designed to prevent changes to the cycle once started, but the power button may still be active. To prevent interruption, ensure children cannot access the machine during operation. If a cycle is interrupted, it may need to be restarted from the beginning.

If the problem persists after attempting these solutions, please contact Samsung customer support.

8. Specifications

Detailed technical specifications for your Samsung Series 6 AI Energy Washing Machine.

Parameter	Value
Brand	Samsung
Model	WW90DG6U25LBU1
Product Dimensions (D x W x H)	55 x 60 x 85 cm
Item Weight	67 kg
Capacity	9 Kilograms
Maximum Rotational Speed	1400 RPM
Noise Level (Spin)	72 dB
Installation Type	Freestanding
Colour	Black
Access Location	Front Load

Parameter	Value
Voltage	220 Volts
Material Type	ABS
Energy Efficiency Class	A
Spin-drying efficiency class	B
Programme duration (Eco 40-60)	3:48 (h:min)



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44 kWh /

44 kWh /



2019/2014

2019/2014

Figure 8.1: Energy Label. For more details, visit eprel.ec.europa.eu/qr/1947634.

Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2014 with regard to energy labelling of household washing machines and household washer-dryers

Supplier's name or trade mark: Samsung					
Supplier's address: (EU) PO Box 12987, Blackrock Co.Dublin, IE / (UK) Saxony Way, Yateley, GU46 6GG, UK					
Model identifier: WW90DG6U25LB					
General product parameters:					
Parameter	Value		Parameter	Value	
Rated capacity ^(a) (kg)	9,0		Dimensions in cm	Height	85
				Width	60
				Depth	55
Energy Efficiency Index ^(a) (EEL _w)	46,7		Energy efficiency class ^(a)	A	
Washing efficiency index ^(a)	1,031		Rinsing effectiveness (g/kg) ^(a)	5,0	
Energy consumption in kWh per cycle, based on the eco 40-60 programme at a combination of full and partial loads. Actual energy consumption will depend on how the appliance is used.	0,444		Water consumption in litre per cycle, based on the eco 40-60 programme at a combination of full and partial loads. Actual water consumption will depend on how the appliance is used and on the hardness of the water.	50	
Maximum temperature inside the treated textile ^(a) (°C)	Rated capacity	28	Weighted remaining moisture content ^(a) (%)	53,9	
	Half	28			
	Quarter	23			
Spin speed ^(a) (rpm)	Rated capacity	1 400	Spin-drying efficiency class ^(a)	B	
	Half	1 400			
	Quarter	1 400			
Programme duration ^(a) (h:min)	Rated capacity	3:48	Type	Free-standing	
	Half	2:54			
	Quarter	2:44			
Airborne acoustical noise emissions in the spinning phase ^(a) (dB(A) re 1 pW)	72		Airborne acoustical noise emission class ^(a) (spinning phase)	A	
Off-mode (W) (if applicable)	0,50		Standby mode (W) (if applicable)	-	
Delay start (W) (if applicable)	4,00		Networked standby (W) (if applicable)	2,00	
Minimum duration of the guarantee offered by the supplier: 24 months					
This product has been designed to release silver ions during the washing cycle			NO		
Additional information:					

Weblink to the supplier's website, where the information in point 9 of Annex II to Commission Regulation (EU) 2019/2023 is found: <https://www.samsung.com/support>

Figure 8.2: Product Information Sheet. Further details available at www.samsung.com/support.

9. Warranty and Support

Your Samsung Series 6 AI Energy Washing Machine comes with a comprehensive warranty to ensure peace of mind.

- **Appliance Warranty:** 5-year warranty on parts and labour.
- **Digital Inverter Motor Warranty:** 20-year warranty specifically for the Digital Inverter Motor.

For technical support, service requests, or warranty claims, please visit the official Samsung support website or contact their customer service line. Details can be found on the warranty card included with your product or at www.samsung.com/support.