

Samsung WW90CGC04D

Samsung WW90CGC04DTH Front Load Washing Machine User Manual

Model: WW90CGC04D

1. INTRODUCTION

Thank you for purchasing the Samsung WW90CGC04DTH Front Load Washing Machine. This appliance is designed to provide efficient and effective laundry care with advanced features. Please read this manual thoroughly before operating your washing machine to ensure safe and optimal performance. Keep this manual for future reference.

Key features of your washing machine include:

- **EcoBubble™ Technology:** Transforms detergent into active foam for powerful cleaning even at low temperatures.
- **AI Energy Mode:** Helps monitor and reduce energy consumption.
- **Less Microfiber Cycle:** Reduces microplastic dispersion during washing.
- **Digital Inverter Motor:** Ensures quiet operation and energy efficiency, backed by a 20-year warranty.
- **Sanitizing Steam:** For enhanced hygiene.



Figure 1.1: Front view of the Samsung WW90CGC04DTH washing machine, showcasing the control panel, detergent drawer, and front-loading door.

2. IMPORTANT SAFETY INFORMATION

Always follow basic safety precautions when using any electrical appliance to reduce the risk of fire, electric shock, or injury. This section outlines critical safety guidelines.

2.1 General Safety

- Do not allow children or persons with reduced physical, sensory, or mental capabilities to operate the appliance without supervision.
- Ensure the appliance is properly grounded.
- Do not install the washing machine in areas where it may be exposed to water or extreme temperatures.
- Unplug the appliance before cleaning or performing any maintenance.

2.2 Electrical Safety

- Use only a dedicated, grounded electrical outlet.
- Do not use extension cords or adapters.
- If the power cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons to avoid a hazard.

3. SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your washing machine. Follow these steps carefully.

3.1 Unpacking

1. Remove all packaging materials, including the polystyrene base and any protective film.
2. Locate and remove the transit bolts from the rear of the machine. These bolts secure the drum during transport and must be removed before use. Keep them for future transport.



Figure 3.1: Rear view of the washing machine, highlighting the water inlet and drain hose connections, and the locations for transit bolt removal.

3.2 Location and Leveling

- Place the washing machine on a firm, level surface. Avoid carpets or soft flooring that could obstruct

ventilation.

- Ensure there is adequate space around the machine for air circulation and maintenance.
- Adjust the leveling feet at the bottom of the machine until it is perfectly stable and level. Use a spirit level to verify.



Figure 3.2: Side view of the washing machine, illustrating its compact design and the adjustable leveling feet at the base.

3.3 Water and Drain Connections

- Connect the cold water inlet hose to the cold water tap and the corresponding inlet on the back of the machine. Ensure connections are tight to prevent leaks.
- Position the drain hose into a standpipe or over the edge of a sink, ensuring it is securely fastened to prevent dislodging during operation.

3.4 Power Connection

- Plug the power cord into a grounded 220V electrical outlet.
- Do not overload the circuit or use extension cords.

4. OPERATING INSTRUCTIONS

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

4.1 Control Panel Overview

The control panel features a program selection dial, an LED display, and touch-sensitive buttons for various functions and settings.

4.2 Loading Laundry

1. Open the washing machine door.
2. Load laundry loosely into the drum, ensuring not to overfill. The maximum capacity is 9 kg.
3. Close the door firmly until it clicks.



Figure 4.1: Front view of the washing machine with the door open, showing the drum ready for laundry loading.

4.3 Adding Detergent and Softener

Pull out the detergent drawer located on the top left of the control panel. Add appropriate amounts of detergent to the main wash compartment and fabric softener to its designated compartment.

4.4 Selecting a Wash Program

Turn the program selection dial to choose from available cycles:

- **Cotton:** For cotton items.
- **Eco 40-60:** Energy-efficient cycle for normally soiled cotton laundry.
- **Mixed:** For mixed fabric loads.
- **Delicates/Silk:** Gentle wash for delicate items.
- **Quick Wash:** For lightly soiled items needing a fast wash.
- **Hygiene Steam:** For deep cleaning and sanitization.
- **Less Microfiber:** Reduces microplastic release.
- **Rinse + Spin:** For rinsing and spinning only.
- **Spin:** For spinning only.

Additional options like temperature, spin speed, and delayed start can be adjusted using the touch buttons on the display.

4.5 Starting a Cycle

Press the Start/Pause button to begin the selected wash cycle. The display will show the remaining time.

4.6 AI Energy Mode

Activate AI Energy Mode via the SmartThings app (if connected) or the control panel to optimize energy consumption based on your usage patterns.

5. MAINTENANCE AND CLEANING

Regular maintenance ensures your washing machine operates efficiently and extends its lifespan.

5.1 Cleaning the Detergent Drawer

Periodically remove the detergent drawer and rinse it under running water to remove any detergent residue. Use a brush if necessary.

5.2 Cleaning the Drum

Run a 'Drum Clean' or 'Eco Drum Clean' cycle (if available) regularly to remove detergent buildup and bacteria from the drum. Refer to your control panel for this specific program.

5.3 Cleaning the Drain Filter

The drain filter, located at the bottom front of the machine (behind a small access panel), should be cleaned every few months to prevent blockages. Place a shallow tray underneath to catch any residual water before unscrewing the filter.

5.4 Cleaning the Exterior

Wipe the exterior surfaces with a soft, damp cloth. Do not use abrasive cleaners or solvents.

6. TROUBLESHOOTING

Before contacting service, refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Washing machine does not start	Power cord unplugged; Door not closed properly; Delayed start activated.	Check power connection; Ensure door is latched; Cancel or wait for delayed start.
No water supply	Water tap closed; Water inlet hose kinked; Water pressure too low.	Open water tap; Straighten hose; Check household water pressure.
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 filter clogged; Detergent drawer overflowing.	Tighten hose connections; Clean drain filter; Do not overfill detergent drawer.
Error code displayed	Specific issue indicated by code.	Refer to the full user manual for a list of error codes and their solutions.

7. SPECIFICATIONS

Detailed technical specifications for the Samsung WW90CGC04DTH washing machine.

Feature	Specification
Model Name	Crystal Clean
Model Number	WW90CGC04D
Installation Type	Free-standing
Load Type	Front-loading
Capacity	9 kg
Maximum Spin Speed	1400 rpm
Energy Efficiency Class	A
Spin-drying Efficiency Class	B
Noise Class (Spin)	A (72 dB)
Dimensions (W x D x H)	60 cm x 55 cm x 85 cm (approximate, based on 55 x 67 x 89 cm product dimensions)
Weight	69.41 kg
Voltage	220 Volts
Control Type	Knob, Touch
Display Type	LED
Door Hinge	Left
Drum Type	Diamond Drum

8. WARRANTY INFORMATION

Your Samsung WW90CGC04DTH washing machine comes with a standard manufacturer's warranty. The Digital Inverter Motor is specifically guaranteed for 20 years. For detailed terms and conditions, including warranty period and coverage, please refer to the warranty card included with your product or visit the official Samsung website for your region. Keep your proof of purchase for warranty claims.

9. CUSTOMER SUPPORT

If you encounter any issues that cannot be resolved using the troubleshooting guide, or if you require technical assistance, please contact Samsung Customer Service.

- Visit the official Samsung website for your region for support contact details, FAQs, and additional resources.
- Have your model number (WW90CGC04D) and serial number ready when contacting support.

