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Fagor FGL4755

Fagor FGL4755 Connected Laser 3-in-1 Robot Vacuum User Manual

Model: FGL4755

1. Introduction

Thank you for choosing the Fagor FGL4755 Connected Laser 3-in-1 Robot Vacuum. This advanced robotic cleaner is designed to provide efficient and convenient cleaning for your home, featuring vacuuming, sweeping, and mopping capabilities, along with intelligent laser navigation and an auto-empty station. This manual provides essential information for safe operation, setup, maintenance, and troubleshooting to ensure optimal performance of your device.

2. Important Safety Information

Please read all safety instructions carefully before using the appliance. Keep this manual for future reference.

- 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.
- Cleaning and user maintenance shall not be made by children without supervision.
- Do not use the robot vacuum in wet environments or near water.
- Ensure the charging station is placed on a flat, stable surface against a wall, with sufficient clear space around it.
- Do not allow the robot to pick up large objects, liquids, or burning/smoking materials.
- Regularly clean the brushes and sensors to maintain optimal performance.
- Only use the original power adapter and charging station provided with the appliance.

3. Package Contents

Carefully unpack the box and ensure all items are present and in good condition.

- Fagor FGL4755 Robot Vacuum
- Auto-Empty Charging Station
- Remote Control
- Side Brushes (2x)
- Water Tank

- Mop Cloth
- Cleaning Brush
- Power Adapter
- User Manual (this document)

4. Product Overview

Familiarize yourself with the components of your Fagor FGL4755 robot vacuum and its auto-empty station.



Figure 4.1: The Fagor FGL4755 robot vacuum, its auto-empty station, and a smartphone displaying the mapping interface. This image illustrates the complete system and its smart control capabilities.



Figure 4.2: The Fagor FGL4755 robot vacuum docked with its auto-empty station, showing the compact design and how the robot connects for charging and dust collection.



Figure 4.3: Top-down view of the Fagor FGL4755 robot vacuum, highlighting its clean design and control buttons.

Robot Vacuum Components:

- **LDS Laser Navigation Sensor:** For precise mapping and navigation.
- **Control Buttons:** Power/Clean, Home/Recharge.
- **Dustbin:** 230 ml capacity.
- **Water Tank:** 300 ml capacity, for mopping function.
- **Main Brush:** For deep cleaning carpets and hard floors.
- **Side Brushes:** To sweep debris from edges and corners.
- **Cliff Sensors (3x):** Prevents falling down stairs.
- **Anti-Collision Sensors (5x):** Detects obstacles to avoid collisions.
- **Charging Contacts:** For connecting to the charging station.
- **Wheels:** Capable of climbing obstacles up to 15 mm.

Auto-Empty Station Components:

- **Dust Collection Port:** Connects to the robot's dustbin for automatic emptying.
- **Dust Bag Compartment:** Houses the disposable dust bag (emptying required approximately once a month).
- **Charging Contacts:** For recharging the robot vacuum.
- **Power Indicator Light:** Shows charging status.

5. Setup

5.1. Charging Station Placement

Place the auto-empty charging station on a hard, level surface against a wall. Ensure there is at least 0.5 meters (1.6 feet) of clear space on both sides and 1.5 meters (4.9 feet) in front of the station for the robot to easily dock. Connect the power adapter to the station and plug it into a wall outlet.

5.2. Initial Charging

Place the robot vacuum onto the charging station. Ensure the charging contacts on the robot align with those on the station. The robot will automatically begin charging. A full charge takes approximately 4-6 hours. It is recommended to fully charge the robot before its first use.

5.3. App Installation and Connection (TUYA Smart)

1. Download the "TUYA Smart" app from the App Store (iOS) or Google Play Store (Android).
2. Register or log in to your TUYA Smart account.
3. Ensure your smartphone is connected to a 2.4GHz Wi-Fi network.
4. Open the app, tap "+" to add a device, and select "Robot Vacuum" or search for "Fagor FGL4755".
5. Follow the in-app instructions to connect your robot vacuum to the Wi-Fi network. This typically involves pressing and holding specific buttons on the robot to enter pairing mode.
6. Once connected, you can control the robot, view maps, set schedules, and customize cleaning preferences via the app.

5.4. Initial Mapping

For the best cleaning experience, allow the robot to complete a full mapping run of your home. Clear any obstacles, loose cables, or small items from the floor. The robot will use its laser navigation to create a precise map, which can then be segmented by room in the app for customized cleaning.

6. Operating Instructions

6.1. Cleaning Modes

The Fagor FGL4755 offers multiple cleaning modes to suit your needs:

- **Automatic Cleaning:** The robot intelligently navigates and cleans the entire mapped area.
- **Spot Cleaning:** Directs the robot to intensively clean a specific small area.
- **Edge Cleaning:** The robot cleans along walls and furniture edges.
- **Zigzag Cleaning:** The robot cleans in a systematic zigzag pattern.

You can select these modes via the TUYA Smart app or the remote control.

6.2. Vacuuming and Mopping (3-in-1 Function)

The robot can vacuum, sweep, and mop simultaneously.

- **For Vacuuming:** Ensure the dustbin is properly installed.
- **For Mopping:** Fill the 300 ml water tank with clean water and attach the mop cloth. Insert the water tank into the robot. You can adjust the water flow level (3 levels) via the app to suit different floor types and cleaning needs.

6.3. Scheduling

Use the TUYA Smart app to set daily cleaning schedules. You can specify cleaning times and modes for different rooms or the entire house.

6.4. Voice Control (Alexa & Google Home)

The Fagor FGL4755 supports voice control via Amazon Alexa and Google Home.

1. Ensure your robot vacuum is connected to the TUYA Smart app.
2. Open the Alexa or Google Home app.
3. Enable the "TUYA Smart" skill/service and link your TUYA Smart account.
4. Discover devices. You can now use voice commands such as:
    - "Alexa, start cleaning with [Robot Name]."
    - "Hey Google, tell [Robot Name] to go home."

7. Maintenance

Regular maintenance is crucial for the longevity and optimal performance of your robot vacuum.

7.1. Emptying the Robot Dustbin

Although the auto-empty station handles most dust, it's good practice to periodically check and manually empty the robot's 230 ml dustbin, especially if you are not using the auto-empty station frequently or if the robot is cleaning very dusty areas. The dustbin is washable.

7.2. Cleaning the Water Tank and Mop Cloth

After each mopping session, remove the water tank, empty any remaining water, and allow it to air dry. Remove the mop cloth, rinse it thoroughly with clean water, and let it air dry before reattaching.

7.3. Cleaning Brushes

- **Main Brush:** Remove the main brush cover and lift out the brush. Use the provided cleaning tool or scissors to cut and remove any tangled hair or debris. Reinstall the brush.
- **Side Brushes:** Check the side brushes for tangled hair or debris. If damaged, replace them.

7.4. Cleaning Sensors

Wipe the cliff sensors (located on the bottom of the robot) and anti-collision sensors (on the bumper) with a clean, dry cloth to ensure they function correctly.

7.5. Auto-Empty Station Maintenance

The auto-empty station's dust bag only needs to be emptied approximately once a month, depending on usage and household dust levels. Refer to the station's indicator or the app for prompts to replace the dust bag.

8. Troubleshooting

If you encounter issues with your robot vacuum, refer to the following table for common problems and solutions.

Problem	Possible Cause	Solution
Robot does not turn on.	Low battery; Power switch off.	Place robot on charging station; Ensure power switch is ON.
Robot cannot find charging station.	Station obstructed; Too far from station.	Clear obstacles around station; Manually place robot closer to station.
Poor cleaning performance.	Full dustbin; Clogged brushes; Dirty filters.	Empty dustbin; Clean main and side brushes; Clean or replace filters.
Robot gets stuck frequently.	Obstacles; Dirty sensors.	Clear floor of cables/small items; Clean cliff and anti-collision sensors.
Mopping function not working.	Empty water tank; Clogged water nozzle; Dry mop cloth.	Fill water tank; Clean water nozzle; Wet mop cloth before use.
App connection issues.	Incorrect Wi-Fi password; Robot not in pairing mode; 5GHz Wi-Fi.	Verify Wi-Fi password; Re-enter pairing mode; Ensure 2.4GHz Wi-Fi.

If the problem persists, please contact Fagor customer support.

9. Specifications

Feature	Detail
Model	FGL4755
Brand	Fagor
Functions	Vacuum, Sweep, Mop (3-in-1)
Power	30W
Battery	Lithium-ion 2600mAh
Charging Time	4-6 hours
Max Runtime	120 minutes (up to 140m²)
Noise Level	65dB
Dustbin Capacity	230 ml
Water Tank Capacity	300 ml
Filtration	Double HEPA filter
Navigation	Laser Mapping, Smart Mapping, Room Segmentation
Obstacle Climbing Ability	15 mm

Feature	Detail
Height	8.3 cm (Ultra-thin)
Sensors	3 Anti-drop, 5 Anti-collision
Control Methods	TUYA Smart App, Remote Control, Alexa, Google Home
Auto-Empty Station	Yes (emptying once per month)
Recommended Surface	Hardwood, Tile, Low-pile Carpet
Product Dimensions (L x W x H)	38 x 20 x 45 cm
Item Weight	10.1 Kilograms

10. Warranty and Support

Fagor products are designed and manufactured to the highest quality standards. For information regarding warranty coverage, please refer to the warranty card included with your purchase or visit the official Fagor website.
For technical support, troubleshooting assistance, or spare parts, please contact Fagor Customer Service.
Website: www.fagor.com (*Note: This is a placeholder URL, please refer to your product documentation for the correct support contact.*)

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

How can I resolve collision problems with my Fagor FGL4755 robot vacuum?

If your Fagor FGL4755 is experiencing collision problems or getting stuck frequently, follow these troubleshooting steps based on the user manual: Clean the Sensors: The robot uses 5 anti-collision sensors located on the front...

Read full answer

How do I reset the Fagor FGL4755 robot vacuum?

To reset or reinitialize your Fagor FGL4755 robot vacuum, particularly for Wi-Fi pairing or troubleshooting, follow these steps based on the manual: Wi-Fi Reset/Pairing Mode: Press and hold the specific control buttons (typically the...

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