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› Multilaser Mars HO400 Robotic Vacuum Cleaner User Manual

## Multilaser HO400

# Multilaser Mars HO400 Robotic Vacuum Cleaner User Manual

Model: HO400 | Brand: Multilaser

## 1. INTRODUCTION

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The Multilaser Mars HO400 Robotic Vacuum Cleaner is designed to simplify your daily cleaning routine. This device features a 3-in-1 function: sweeping, vacuuming, and mopping, making it suitable for various floor types including carpets, cold floors, wood, and laminates. It is equipped with an anti-fall system to prevent damage from stairs and edges, and operates on a rechargeable battery with a 2-hour runtime.

## 2. SAFETY INSTRUCTIONS

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- Read all instructions before operating the appliance.
- This appliance is for indoor use only. Do not use outdoors or on wet surfaces.
- Do not allow children or pets to operate the vacuum cleaner. Supervise children when the appliance is in use.
- Do not handle the charger or appliance with wet hands.
- Keep hair, loose clothing, fingers, and all parts of the body away from openings and moving parts.
- Do not pick up large or sharp objects, liquids, burning or smoking materials.
- Ensure the charging adapter is compatible with your local voltage (Bivolt: 110V/220V).
- Do not modify or attempt to repair the appliance yourself. Contact qualified service personnel.
- Remove any obstacles, loose cables, or small items from the floor before operation to prevent entanglement or damage.

## 3. PACKAGE CONTENTS

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Verify that all components are present in the package:

- 1 x Multilaser Mars HO400 Robotic Vacuum Cleaner
- 1 x Rechargeable Battery (pre-installed or separate)
- 1 x Charger

- 1 x Mop Cloth
- 1 x Instruction Guide

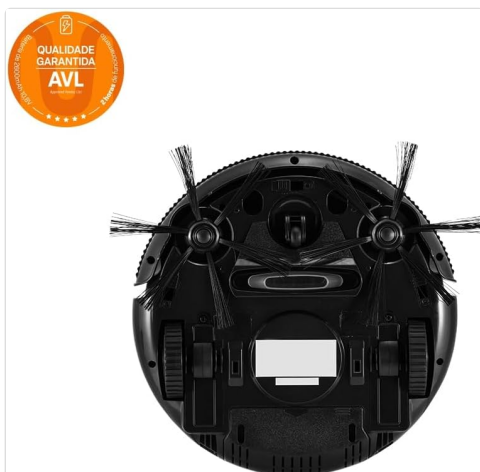
## 4. PRODUCT OVERVIEW

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Familiarize yourself with the main components of your robotic vacuum cleaner.



**Figure 4.1:** Front view of the robotic vacuum cleaner, showing the main body and bumper.



**Figure 4.2:** Bottom view, illustrating the side brushes, drive wheels, suction inlet, and mop attachment area.



**Figure 4.3:** The included mop cloth, used for the mopping function.

## Key Components:

- **Power Button:** Located on the top or side of the unit to turn the vacuum on/off.
- **Indicator Lights:** Display battery status and operational mode.
- **Dustbin:** Collects dirt and debris. Accessible for emptying.
- **Side Brushes:** Two rotating brushes on the bottom that sweep debris into the suction path.
- **Drive Wheels:** Allow the robot to move across various surfaces.
- **Anti-Fall Sensors:** Located on the bottom to detect edges and stairs.
- **Bumper:** Front part of the robot with anti-collision sensors.
- **Mop Attachment Area:** Located on the bottom for attaching the mop cloth.
- **Charging Port:** For connecting the charger.

## 5. SETUP

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### 5.1. Charging the Battery

1. Ensure the robotic vacuum cleaner is turned off.
2. Connect the charger to the charging port on the vacuum cleaner.
3. Plug the charger into a power outlet (110V or 220V).
4. The indicator light will show the charging status. A full charge typically takes approximately 4.5 hours.
5. Once fully charged, disconnect the charger. The vacuum cleaner has an operating autonomy of approximately 2 hours on a full charge.

### 5.2. Installing Side Brushes

1. Turn the robotic vacuum cleaner upside down.
2. Align each side brush with its corresponding post on the bottom of the vacuum.
3. Press down firmly until each brush clicks into place.

### 5.3. Attaching the Mop Cloth

1. Dampen the mop cloth with water and wring out any excess.
2. Attach the mop cloth to the designated area on the bottom of the vacuum cleaner. Ensure it is securely fastened.

### 5.4. Preparing the Cleaning Area

- Remove any large objects, cables, or small items that could obstruct the vacuum cleaner's path or cause entanglement.
- Lift light rugs or carpets that might get caught in the brushes.
- Close doors to rooms you do not wish to clean, or use physical barriers.

## 6. OPERATING INSTRUCTIONS

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### 6.1. Starting and Stopping Cleaning

1. Ensure the vacuum cleaner is fully charged and the cleaning area is prepared.

2. Press the power button on the top of the vacuum cleaner to start cleaning. The robot will begin its cleaning cycle.
3. To stop cleaning, press the power button again. The robot will pause. Press it a third time to turn off the unit.

## 6.2. Cleaning Modes

The Multilaser Mars HO400 operates with automatic cleaning patterns, which may include:

- **Spiral Cleaning:** The robot cleans in an expanding spiral pattern.
- **Zig-Zag Cleaning:** The robot moves back and forth in a straight line, changing direction upon encountering an obstacle.
- **Edge Cleaning:** The robot follows walls and furniture edges to ensure thorough cleaning along boundaries.

## 6.3. Anti-Fall and Anti-Collision Features

- The robot is equipped with sensors to detect drops, preventing it from falling down stairs or off ledges.
- Its bumper and internal sensors help it detect obstacles and change direction to avoid collisions.

# 7. MAINTENANCE

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Regular maintenance ensures optimal performance and extends the lifespan of your robotic vacuum cleaner.

## 7.1. Emptying the Dustbin

1. Turn off the vacuum cleaner.
2. Locate and remove the dustbin from the unit.
3. Empty the collected debris into a trash can.
4. Clean the dustbin and filter with a brush or cloth. Ensure the filter is dry before reinserting.
5. Reinsert the dustbin into the vacuum cleaner.

## 7.2. Cleaning Side Brushes

1. Turn off the vacuum cleaner and turn it upside down.
2. Carefully remove any hair or debris tangled around the side brushes.
3. If brushes are damaged or worn, replace them.

## 7.3. Cleaning the Mop Cloth

1. Remove the mop cloth after each use.
2. Hand wash the mop cloth with mild detergent and water.
3. Allow the mop cloth to air dry completely before reattaching or storing.

## 7.4. Cleaning Sensors

- Periodically wipe the anti-fall sensors (located on the bottom) and anti-collision sensors (behind the bumper) with a clean, dry cloth to ensure proper function.

# 8. TROUBLESHOOTING

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Problem	Possible Cause	Solution
Robot does not turn on.	Battery is low or depleted.	Charge the robot for at least 4.5 hours.
Robot gets stuck frequently.	Obstacles (cables, rugs, furniture) in the cleaning path.	Clear the cleaning area of obstacles. Lift light rugs.
Poor cleaning performance.	Dustbin is full; filter is clogged; side brushes are tangled or worn.	Empty dustbin and clean filter. Clean or replace side brushes.
Robot falls down stairs.	Anti-fall sensors are dirty or obstructed.	Clean the anti-fall sensors on the bottom of the robot.
Robot makes unusual noise.	Debris caught in brushes or wheels.	Turn off the robot and inspect brushes and wheels for obstructions. Remove any tangled hair or debris.

## 9. SPECIFICATIONS

Feature	Specification
Model Number	HO400
Brand	Multilaser
Functions	Sweep, Vacuum, Mop
Power	30 Watts
Voltage	Bivolt (110V/220V)
Battery Type	1 Lithium-ion battery (included)
Battery Autonomy	Approx. 2 hours
Charging Time	Approx. 4.5 hours
Product Dimensions (L x W x H)	38.2 x 30.5 x 11.5 cm
Product Weight	1.95 kg
Material	Plastic
Color	Red
Special Features	Anti-collision, Anti-fall, Simultaneous vacuuming and mopping
Surface Recommendation	All types of surfaces
Certification	Energy Star, Inmetro: UL-BR 20.1733

## 10. WARRANTY AND SUPPORT

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### 10.1. Warranty Information

This Multilaser Mars HO400 Robotic Vacuum Cleaner comes with a **1-year warranty** from the date of purchase. Please retain your proof of purchase for warranty claims. The warranty covers manufacturing defects under normal use conditions.

### 10.2. Customer Support

For technical assistance, warranty claims, or inquiries regarding your product, please contact Multilaser customer support through their official website or the contact information provided in your purchase documentation.