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› FMART W7 Window Cleaning Robot User Manual

## FMART W7

# FMART W7 Window Cleaning Robot User Manual

Model: W7-white

## 1. INTRODUCTION

Thank you for choosing the FMART W7 Window Cleaning Robot. This intelligent device is designed to provide efficient and effortless cleaning for various glass surfaces, including high-rise windows. Equipped with advanced features such as powerful suction, dual water spray, and smart navigation, the W7 ensures a spotless finish while prioritizing safety. Please read this manual thoroughly before operation to ensure proper use and maintenance of your robot.

## 2. PACKAGE CONTENTS

Carefully unpack the box and ensure all items listed below are present and in good condition. If any items are missing or damaged, please contact customer support.

- FMART W7 Robot
- Power Cord
- Adapter
- Power Cable
- Cleaning Cloths (multiple)
- Ultrasonic Water Spray Nozzle (pre-installed)
- Safety Climbing Rope
- Water Tank (pre-installed)
- Remote Control
- User Manual



Figure 2.1: Included Package Contents

### 3. PRODUCT OVERVIEW AND FEATURES

The FMART W7 is engineered with advanced technology to deliver superior window cleaning performance.

#### Key Features:

- **Powerful Suction:** Ensures the robot remains securely attached to glass surfaces, facilitating smooth movement and effective dirt removal.
- **Dual Water Tanks & Dual Sprayers:** Features a 60ml dual water tank design to minimize refills. Fine 12µm mist evenly dissolves dirt for streak-free cleaning.
- **High Safety Standards:** Equipped with a built-in drive system that maintains suction for up to 30 minutes during power loss. Includes a 16 ft rock-climbing-grade safety rope supporting up to 314 lbs.
- **Smart Return to Start:** Automatically returns to its initial position upon completion of the cleaning cycle, ideal for large or hard-to-reach windows.
- **AI Navigation:** Utilizes an intelligent Z-N cleaning path (combining Z-shaped and N-shaped routes). Four precision pressure sensors and AI algorithms detect window edges in real time, making it suitable for frameless glass.
- **One-Touch Operation & Voice Prompts:** Initiate cleaning with a single button press. Voice prompts provide guidance during operation.



Figure 3.1: FMART W7 Window Cleaning Robot



Figure 3.2: Efficient Cleaning Capabilities

## 4. SETUP

Follow these steps to prepare your FMART W7 for its first use.

### 4.1 Initial Charging

Although the robot has a built-in battery for safety, it operates primarily via direct power. Ensure the robot is fully charged or connected to power before use.

1. Connect the power adapter to the robot and plug it into a power outlet.
2. The indicator light will show charging status (refer to Section 5.3 for light descriptions).

### 4.2 Attaching the Safety Rope

The safety rope is a critical safety feature. Always attach it before operating the robot, especially on high or outdoor windows.

1. Locate the safety rope attachment point on the robot.
2. Securely fasten one end of the safety rope to the robot.
3. Secure the other end of the safety rope to a sturdy indoor fixture, such as a heavy piece of furniture or a window frame anchor point. Ensure the fixture can support the robot's weight.

## 4.3 Filling the Water Tanks

The FMART W7 features dual water tanks for efficient spraying.

1. Locate the water tank caps on the robot.
2. Open the caps and carefully fill the tanks with clean water or a recommended window cleaning solution. Do not overfill.
3. Close the caps securely to prevent leakage.

## 4.4 Attaching Cleaning Cloths

Ensure clean cloths are attached for optimal cleaning performance.

1. Attach the provided cleaning cloths to the designated areas on the bottom of the robot. Ensure they are securely fastened and cover the cleaning pads.
2. For best results, slightly dampen the cloths before the first use, especially for dry wiping.

# 5. OPERATING INSTRUCTIONS

Learn how to operate your FMART W7 for effective window cleaning.

## 5.1 Powering On/Off

The main power button is located on the top of the robot.

- **Long Press:** Press and hold the power button for a few seconds to turn the device on or off.
- **Short Press:** A short press will start or stop the cleaning operation once the robot is powered on and placed on the window.

## 5.2 Starting a Cleaning Cycle

1. Ensure the robot is connected to power and the safety rope is secured.
2. Place the robot firmly on the glass surface. The robot will automatically adhere to the glass.
3. Press the power button briefly on the robot, or use the remote control/APP to start cleaning.
4. The robot will automatically detect the window size and plan its cleaning path (Z-N route).
5. Upon completion, the robot will return to its starting position.

## 5.3 Indicator Lights Description

The LED indicator provides important status information:



Figure 5.1: Description of Flashing Lights

- **Blue light always on:** Working.
- **Green light always on:** Charging Complete.
- **Green light flashing:** Charging.
- **Red light always on:** Low Battery. Please connect the adapter for charging before use.
- **Red light flashing:** Abnormal in the machine. Please check the machine or restart it.
- **Yellow light flashing:** Low Battery. The machine can be normally turned on only after its indicator light turns green by charging.

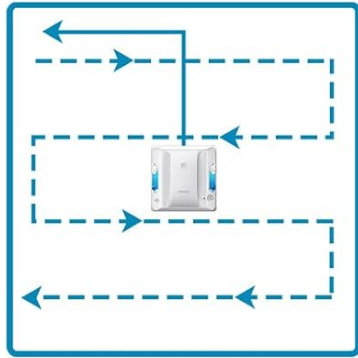
## 5.4 Cleaning Modes

The FMART W7 offers different cleaning modes for various needs:

- **Quick Clean:** Efficiently cleans and restores glass.
- **Deep Clean:** Provides intensive coverage to remove stubborn dirt.

For tough stains, it is recommended to use dry wipe mode first, then switch to wet wiping with a clean cloth.

# Effortless Cleaning Mode Switch



## Quick Clean

Efficiently cleans, effortlessly restores glass

## Deep Clean

Intensive coverage, removes stubborn dirt

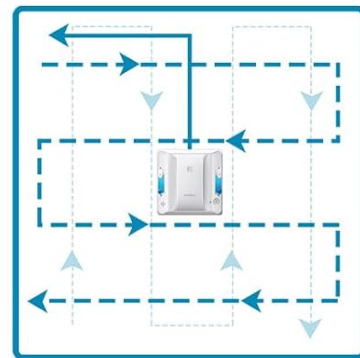


Figure 5.2: Cleaning Mode Switch

## Description of Flashing Lights

### Long Press:

Turn on the device (power)  
Turn off the device (power off)

### Short Press:

Start Operation  
Stop Operation

### Press Three Times Quickly:

Enter Network Pairing Mode



 **Green light always on**  
Charging Complete

**Green light flashing**  
Charging

 **Red light always on**  
Low Battery

Please connect the adapter for charging before use

**Red light flashing**  
Abnormal in the machine

Please check the machine or restart it

 **Yellow light flashing**  
Low Battery

The machine can be normally turned only after its indicator light turns green by charging

## 6. SAFETY PRECAUTIONS

Your safety is paramount. Adhere to the following precautions to prevent accidents and ensure safe operation.

- **Always use the safety rope:** Before placing the robot on any window, ensure the safety rope is securely attached to both the robot and a sturdy anchor point indoors.
- **Power Connection:** Always operate the robot with the power cord connected. The built-in battery is for emergency power loss only (up to 30 minutes of suction).
- **Surface Suitability:** Use the robot only on glass surfaces. Do not use on cracked, uneven, or excessively dirty surfaces that may impede suction or damage the robot.
- **Weather Conditions:** Avoid using the robot in rainy or extremely windy conditions, especially outdoors.
- **Supervision:** While the robot operates autonomously, it is recommended to supervise its operation, especially during the first few uses or on new surfaces.
- **Children and Pets:** Keep children and pets away from the operating robot.
- **Cleaning Solution:** Use only water or recommended window cleaning solutions. Do not use corrosive or flammable liquids.

# Safety Protection

Four Layers of Safety, Fearless High-Altitude Cleaning



Figure 6.1: Four Layers of Safety Protection

## 7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your FMART W7.

### 7.1 Cleaning Cloths

- After each use, remove the cleaning cloths from the robot.
- Wash the cloths with mild detergent and water. Allow them to air dry completely before reattaching or storing.
- Replace cloths if they become worn or no longer clean effectively.

### 7.2 Water Tanks

- Empty any remaining water from the tanks after each use.
- Rinse the tanks with clean water periodically to prevent residue buildup.

## 7.3 Robot Body

- Wipe the exterior of the robot with a soft, dry cloth.
- Do not use abrasive cleaners or solvents.

## 8. TROUBLESHOOTING

If you encounter issues with your FMART W7, refer to the following common problems and solutions.

| Problem                            | Possible Cause                                                    | Solution                                                                                                                                                                  |
|------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Robot does not power on.           | No power connection; Low battery.                                 | Ensure power cord is securely connected. Charge the robot until the indicator light turns green.                                                                          |
| Robot loses suction or falls.      | Insufficient suction; Dirty cleaning pads; Uneven surface.        | Ensure the robot is placed firmly on the glass. Clean or replace cleaning cloths. Ensure glass surface is relatively smooth.                                              |
| Robot does not spray water.        | Water tanks empty; Nozzle clogged.                                | Refill water tanks. Check if nozzles are clear of debris.                                                                                                                 |
| Cleaning leaves streaks.           | Dirty cleaning cloths; Incorrect cleaning solution; Excess water. | Replace or wash cleaning cloths. Use clean water or a suitable window cleaning solution. Ensure cloths are not oversaturated. For tough stains, perform a dry wipe first. |
| Robot does not move or gets stuck. | Obstruction; Edge detection issue; Software glitch.               | Remove any obstructions. Ensure the window edges are clear. Restart the robot.                                                                                            |

If the problem persists after trying these solutions, please contact FMART customer support.

## 9. SPECIFICATIONS

| Feature             | Detail                                                                                |
|---------------------|---------------------------------------------------------------------------------------|
| Brand               | FMART                                                                                 |
| Model Name          | W7                                                                                    |
| Color               | W7-white                                                                              |
| Product Dimensions  | 9.65"L x 9.65"W x 3.4"H                                                               |
| Item Weight         | 5.64 pounds                                                                           |
| Special Feature     | 2.4G remote control & APP control, 3.94 in/s cleaning speed, Edge Cleaning, Anti-Fall |
| Included Components | Cleaning cloths                                                                       |
| Battery Life        | 5 years (internal UPS battery)                                                        |
| Batteries Required  | No (for main operation, internal battery for safety)                                  |

## 10. WARRANTY AND SUPPORT

FMART is committed to providing high-quality products and excellent customer service.

- **Warranty:** The FMART W7 Window Cleaning Robot comes with a 365-day warranty from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use.
- **Customer Support:** For any questions, technical assistance, or warranty claims, please refer to this user manual or contact us via email. Our team is ready to provide hassle-free support.

### ASK A QUESTION ABOUT THIS MANUAL

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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

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