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› Tosima W2 Window Cleaner Robot: User Instruction Manual

## Tosima W2

# Tosima W2 Window Cleaner Robot: User Instruction Manual

Model: W2

## INTRODUCTION

The Tosima W2 Window Cleaner Robot is designed to automate the process of cleaning windows and other smooth surfaces. Featuring intelligent path planning, powerful suction, and multiple safety mechanisms, this device provides an efficient and convenient cleaning solution. Please read this manual thoroughly before operating the robot to ensure safe and optimal performance.



Image: The Tosima W2 Window Cleaner Robot, its remote control, and a stack of cleaning pads.

## SAFETY INFORMATION

To prevent injury or damage, always adhere to the following safety guidelines:

- Ensure the safety rope is securely attached to a fixed object before operation, especially when cleaning high windows.
- Always connect the power adapter to the robot during operation. The internal battery is for backup power in case of a power outage.
- Do not use the robot on cracked or damaged glass surfaces.
- Keep hands, hair, and loose clothing away from moving parts.
- Do not operate the robot in rainy or extremely humid conditions.
- Supervise the robot during its first few uses to ensure proper adhesion and movement.
- Keep the robot out of reach of children and pets.

# TOSIMA SAFETY PROTECTION SYSTEM

Thanks to high-quality materials and the Tosima safety protection system,  
which can't be safer



Image: Illustration of the Tosima Safety Protection System, highlighting edge detection, blackout protection (built-in battery), and the safety rope with a carabiner hook.

## PACKAGE CONTENTS

Verify that all items are present in the package:

- Tosima W2 Window Cleaner Robot
- Remote Control
- Cleaning Pads (multiple pairs)
- Power Adapter
- AC Power Cord
- Safety Rope with Carabiner
- Cleaning Solution Spray Bottle (empty)

# TOSIMA

Image: A visual representation of the Tosima W2 Window Cleaner Robot and its included accessories.

## PRODUCT COMPONENTS

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Familiarize yourself with the robot's parts and the remote control functions:

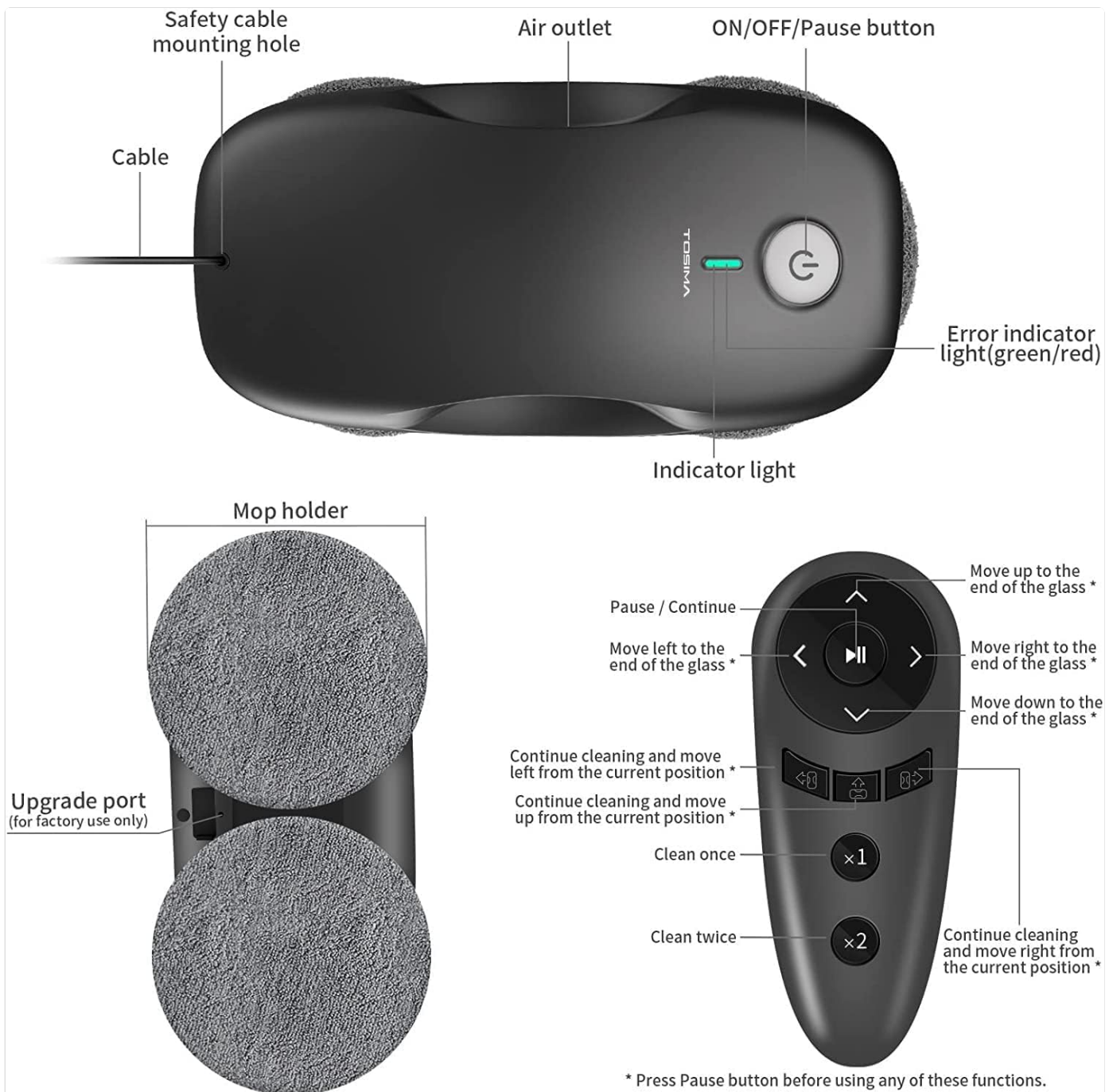


Image: Detailed diagram showing the robot's safety cable mounting hole, cable, air outlet, ON/OFF/Pause button, error indicator light, indicator light, mop holders, and upgrade port. The remote control buttons for movement, pause/continue, clean once (x1), and clean twice (x2) are also labeled.

## Robot Features:

- **ON/OFF/Pause Button:** Powers the unit on/off and pauses cleaning.
- **Indicator Light:** Shows operational status (e.g., green for ready, red for error).
- **Error Indicator Light:** Illuminates to signal a problem.
- **Mop Holders:** Where the cleaning pads are attached.
- **Safety Cable Mounting Hole:** Point for attaching the safety rope.
- **Air Outlet:** For suction and motor cooling.

## Remote Control Functions:

- **Directional Arrows:** Manually move the robot up, down, left, or right.
- **Pause/Continue Button:** Stops or resumes the cleaning cycle.

- **X1 Button:** Initiates a single cleaning pass.
- **X2 Button:** Initiates two thorough cleaning passes for thorough cleaning.

## SETUP

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1. **Attach Cleaning Pads:** Securely attach clean microfiber cleaning pads to the mop holders on the underside of the robot. Ensure they are flat and cover the entire surface of the holders.
2. **Connect Power:** Connect the power adapter to the robot's power input, then plug the AC power cord into the adapter and a power outlet. Ensure the connection is firm.
3. **Attach Safety Rope:** Fasten the safety rope to the designated mounting hole on the robot. Secure the other end of the safety rope to a sturdy, fixed object (e.g., a heavy piece of furniture, a window frame anchor) to prevent the robot from falling.
4. **Prepare Surface:** For optimal cleaning, lightly spray the cleaning pads with a suitable glass cleaning solution. Avoid saturating the pads. For very dirty windows, it is recommended to pre-clean or hose down the window first to remove loose debris.
5. **Place Robot:** Place the robot on the window surface. Press and hold the ON/OFF button on the robot for approximately 3 seconds until the suction motor engages and the robot adheres firmly to the glass. The indicator light should turn green.

## OPERATING INSTRUCTIONS

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Once the robot is securely attached and powered on, you can begin the cleaning process.

1. **Start Cleaning:**
  - Press the ON/OFF button on the robot briefly to start a single cleaning cycle.
  - Alternatively, use the remote control:
    - Press the **X1** button for a single cleaning pass.
    - Press the **X2** button for two thorough cleaning passes. This is recommended for best results.
2. **Path Planning:** The robot will automatically detect the window edges and plan an efficient cleaning path (Z/N pattern) using its AI 3.0 intelligent technology.

## AI 3.0 INTELLIGENT PATH PLANNING

The robot moves in an efficient Z/N pattern, covering all areas of the surface that need to be cleaned.

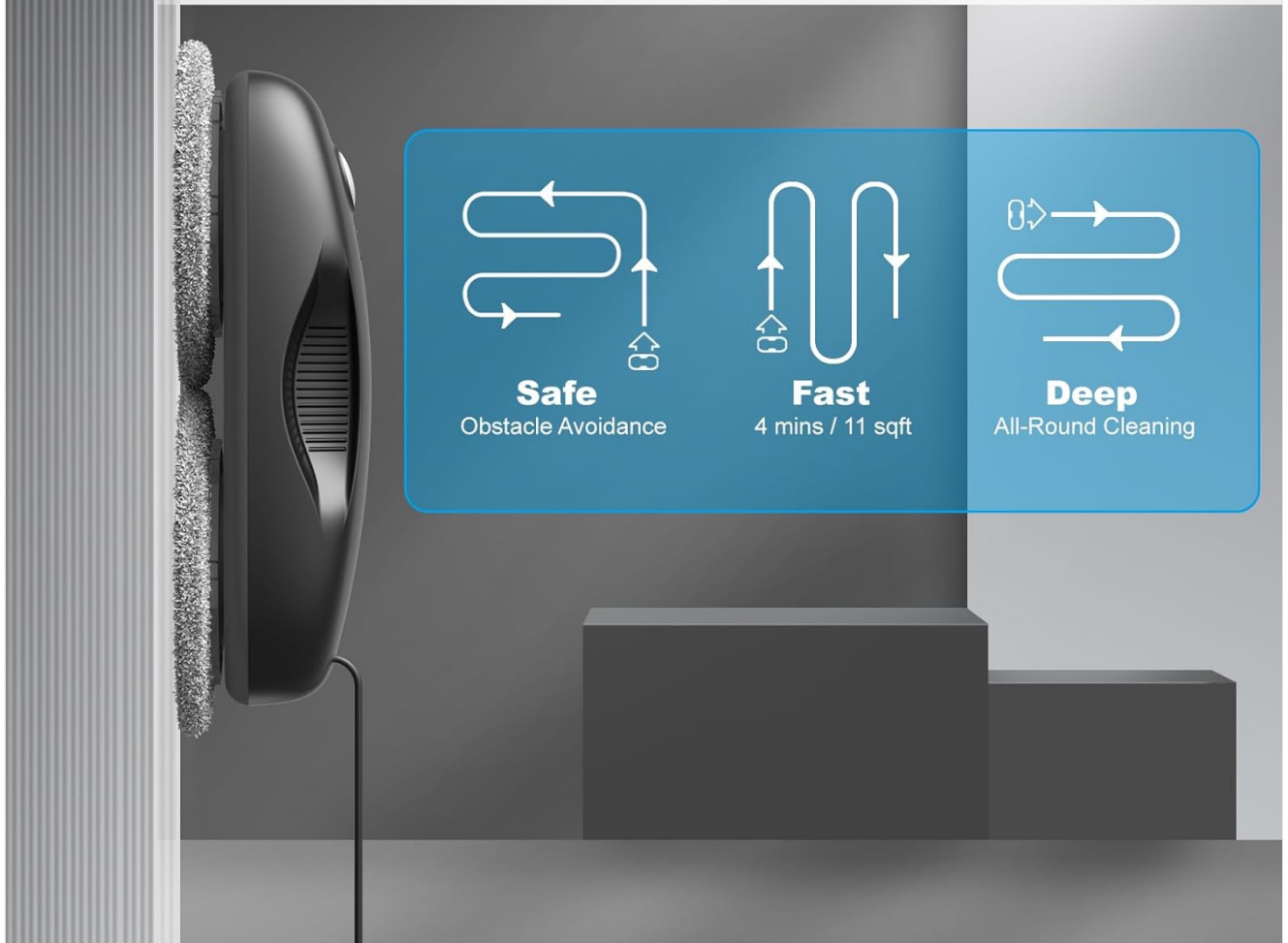


Image: The Tosima W2 robot demonstrating its AI 3.0 Intelligent Path Planning, showing safe obstacle avoidance, fast cleaning (4 mins/11 sqft), and deep all-round cleaning patterns.

- Manual Control:** During operation, you can use the directional arrows on the remote control to guide the robot manually if needed. Press the Pause/Continue button on the remote before using directional controls.



Image: A hand using the remote control to direct the Tosima W2 window cleaning robot on a glass surface.

4. **Completion:** The robot will beep continuously when it has finished its cleaning cycle.

#### 5. Removing the Robot:

- Once cleaning is complete and the robot is beeping, carefully grasp the robot by its handle.
- Press and hold the ON/OFF button on the robot for 3 seconds to disengage the suction.
- Gently pull the robot off the glass.
- Immediately wipe any residual moisture or marks from the glass where the robot was removed.

## MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Tosima W2.

- **Cleaning Pads:** After each use, remove the microfiber cleaning pads. They are washable and reusable. Hand wash or machine wash them with mild detergent and air dry. Ensure they are completely dry before reattaching.
- **Robot Body:** Wipe the robot's exterior with a soft, dry cloth. Do not use abrasive cleaners or immerse the robot in water.
- **Sensors:** Periodically clean the edge detection sensors with a soft, dry cloth to ensure accurate operation.
- **Storage:** Store the robot and its accessories in a cool, dry place away from direct sunlight and extreme temperatures.

## TROUBLESHOOTING

If you encounter issues with your Tosima W2, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Robot does not adhere to the glass.	Insufficient suction power; dirty pads; power issue.	Ensure power cord is securely connected. Check if pads are clean and properly attached. Ensure the surface is not excessively wet or oily.
Robot falls during operation.	Power disconnection; safety rope not secured; surface too dirty/wet.	Always ensure the safety rope is firmly attached. Verify continuous power supply. Clean the window surface if it's excessively dirty before use.
Robot leaves streaks or marks.	Dirty cleaning pads; incorrect cleaning solution; excessively dirty window.	Replace or clean the microfiber pads. Use a suitable glass cleaning solution. For very dirty windows, perform a preliminary cleaning or use the X2 mode.
Robot does not clean corners effectively.	Design limitation due to circular pads.	This is a common characteristic of robots with circular cleaning pads. Manual touch-up of corners may be required.
Robot stops unexpectedly.	Power interruption; internal battery low; sensor obstruction.	Check power connection. The internal battery provides backup for a short period. Clean sensors. If the issue persists, contact customer support.

## SPECIFICATIONS

Feature	Detail
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Feature	Detail
Brand	Tosima
Model Name	Window Cleaner Robot W2
Suction Power	3800Pa (Variable Frequency Adjustment)
Control Method	Remote Control
Path Planning	AI 3.0 Intelligent Path Planning (Z/N pattern)
Safety Features	Edge Detection, Blackout Protection (Built-in Battery), Safety Rope
Power Source	Corded Electric, Battery Powered (backup)
Battery Type	Lithium Polymer (included)
Battery Life (backup)	Approximately 20 minutes
Product Dimensions	4.26"L x 2.14"W x 1.24"H
Item Weight	4 pounds
Voltage	24 Volts (DC)

## WARRANTY AND SUPPORT

Tosima is committed to providing quality products and customer satisfaction.

- **Warranty:** The Tosima W2 Window Cleaner Robot comes with up to a 24-month warranty. Please refer to your purchase documentation for specific terms and conditions.
- **Money Back Guarantee:** A 30-day money-back guarantee is typically offered.
- **Customer Support:** For any questions, technical assistance, or warranty claims, please contact Tosima customer support. Prompt 24-hour email support is available.

### Customer Service

- 🌐 **Prompt 24-hour email support**
- 🕒 **30-day money back**
- ✅ **Up to 24 months warranty**
- 🚚 **1~3 Days Fast Shipping**



Image: Customer service representatives ready to assist, symbolizing Tosima's commitment to support.



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