

Robot Cleaner

WITH WATER SPRAY



USER MANUAL

Dear customer:

Thank you for purchasing our window cleaning robot.
Please read the manual carefully before operation correctly and safety.
Please keep this manual properly for reference at any time when necessary.

TECHNICAL SUPPORT

Please consult dealer if any problem with the product which could not be solved by this manual.

DISCLAIMER

For all contents of this manual, our company does not make any statement to clarify the applicability of the product for any specific purposes. Our company will have the right to change the product and its related documents without further notice.

SAFETY PRECAUTION

Please read the manual carefully before use.

1. Fasten the safety rope on robot and tie it to furniture before use to avoid fall off danger.
2. Please check whether the safety rope is damaged or loose before use.
3. Set warning sign under windows for people when cleaning windows without balcony.
4. The robot must be connected to the power cord for normal use.
5. Please use the robot when UPS battery is fully charged (green light on).
6. Please turn on the power before placing the robot to the window glass.
7. Make sure the robot is attached to the glass before letting go.
8. Please remove the robot before turning off the power.
9. Please make sure the clean ring installed securely to avoid air leakage before use.

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10. Do not use the robot in rainy or wet weather.
11. Do not spray water directly on the robot.
12. Do not let children use the robot.
13. This product is not a toy. Do not let children operate the robot. Be vigilant when using the robot. Keep children away from the underside of the robot work area.
14. Do not use on cracked glass. Do not use on reflective or coated glass because the cleaning wheel will scratch the glass surface.
15. Do not let hair, clothes, fingers and any part of the body close to the opening of the product or rotate parts.
16. Do not use near flammable liquids or gases.

PRODUCT INTRODUCTION

This is a window glass cleaning robot. It has a vacuum motor to make the robot adhere on the glass surface and walk freely on the vertical glass surface. It provides power in case of power failure and prevent falling.

The window cleaning robot has two clean wheels, which has the function of adsorption, wiping and cleaning. The cleaning wheel can adsorb and walk on the vertical glass surface. The clean pad on the cleaning wheel can be easily removed, replaced, cleaned and reused. The clean pads are made from microfiber cloth, which has a very good cleaning effect.

The robot has critical intelligence. (A) can plan the path and automatically detect the window frame. There are automatic cleaning mode and manual cleaning mode, so that users can control the robot freely.

PRODUCT SPECIFICATIONS

Product size	292mmx145mmx78mm(LWH)
Product weight	1200g
Size for use	292mmx155mmx190mm(LWH)
Packing weight	2.1kg

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PACKAGE CONTENTS

Window Cleaning Robot x1
Remote Control x1
Power Adapter x1
Clean Pad x10
Clean Ring x2
Safety Rope x1
User Manual x1
Water Bottle x1

PRODUCT FEATURE

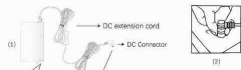
Suitable for any kind of glass
AI Auto Clean
3 Auto Clean Mode
Auto stop when clean completed
Built-in Lithium Battery UPS Anti Fall
Auto Window Frame Detection
Microfiber Clean Pad
High Strength Safety Rope
Infrared Remote Control for Spot Clean

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FUNCTION DESCRIPTION

	LED Red: Robot is abnormal LED Blue: Robot is normal LED Green: Fully charged LED Green: Cleaning
	Power Button: On/Off/Manual/Power
	Power Socket
	Safety Rope Hole
	Water Injection Hole: Inject water or glass cleaning solution in here.

POWER ADAPTER



OPERATION GUIDE

1. Please make sure the robot is fully charged before use (LED green light on). When charging the built-in battery, please turn off the switch and connect the power adapter. When the orange light is on, it represents the charging mode, and when the green light is on, it represents that it is fully charged.
2. Please check that the safety rope and buckle are not damaged. Be sure to fasten the safety rope before use, and tie the safety rope to the fixtures in the house.
3. Before use, please ensure that the clean ring is fixed on the cleaning wheel to ensure good vacuum adsorption of the robot, and spray cleaning water according to the specifications.
4. When the window cleaning robot works, the power adapter must be connected before it can work normally.

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HOW TO USE

1. Plugged in with power adapter, turn on the robot (LED blue) and ensure that the motor works, then attach the robot to the glass at about 10cm away from the frame (for robot self-inspection).
 2. Make sure the robot is firmly attached on the glass, and ensure the safety rope and power cord are not affecting the clean path of the robot.
 3. Press auto clean button on the remote control, the robot will move from bottom to top of the window, and then move in a zigzag shape, from left to right and from top to bottom to clean the window. After cleaning, the robot will return to the starting position at the bottom and make a "drip" sound.
 4. If the robot stops at an inaccessible place accidentally, please gently pull back the robot by safety rope.
 5. To remove the robot, please hold the safety rope with one hand, remove the robot with another hand, then turn off the power.
- Note: the robot must be connected to the power adapter before it can work normally!

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HOW TO CLEAN

STEP 1

If the glass is very dirty or dusty, please clean with dry pads (do not spray any water) for the first round, so to remove the dust on the glass.

If you spray water or detergent on the clean pads on the first clean round, the water or detergent will be mixed with sand and dust, which makes it into mud.



STEP 2

Install clean and dry clean pads on clean ring, and confirm that the clean ring is firmly installed on the clean wheel. Then spray a little water or detergent on the clean pads (2 to 3 spray). It must not be too much wet. The fully wet clean pads will affect the operation of the robot.

If there is sand or dust on the glass, you can spray water or detergent on this area, let the water or detergent soak the area, and wait for 2 to 3 minutes before cleaning.

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STEP 3

Replace the clean and dry cloth, spray the water or detergent at the edge of the clean pad to improve the vacuum suction of the robot, which improves the cleaning performance.

CAUTION!

1. Do not spray water into the robot, or put robot into the water.
2. Do not use the robot in rainy and wet weather.
3. Please use spray bottle with spray water or detergent when cleaning glass.
4. It is normal that the new clean pad will leave a few traces when used for the first time. Clean and dry the dirty clean pad before using it. When spraying detergent, spray it on the clean pad or the glass directly.
5. If on unexpected power failure occurs during the operation of the robot, the built-in UPS battery will start automatically. The battery could support the robot vacuum for about 20 minutes. In case of accidental power failure of the robot, the robot will automatically stop and make a warning sound. At the same time, the red light continues to flash. Please remove the robot as soon as possible to prevent the robot from falling down when the power is exhausted.
6. If the robot stops outside the inaccessible range due to other conditions, please gently pull back the robot with safety rope. When pulling the safety rope, it should be close to the glass as far as possible to prevent the robot from falling.

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REMOTE CONTROL WITHOUT SPRAY WATER



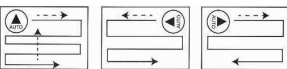
Note: The remote control is for no spray water model

REMOTE CONTROL WITH SPRAY WATER



Note: The remote control is used for spray water model

When the robot works inside or outside the window, the robot can be controlled by remote control.



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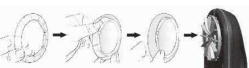
LED INDICATOR

DESCRIPTION	LED STATUS
Changing	Orange light on
Changing finished	Green light on
Power Failure	Red light flashes, "drip, drip, drip" warning sound 4.0m
Vacuum pressure is low	Red light flashes once and "drip" sound
Air leakage during operation	Red light flashes once and "drip" sound
Friction is too strong or too weak	Red light flashes once and "drip" sound

Note: If LED flashes red and the robot continues to sound "drip, drip", please check if power adapter is normal or power cord is loose.

INSTALL CLEAN PAD AND RING

1 Put the clean pad on the clean ring evenly.



2 Put the clean ring on the wheel. Ensure that all 5 clips on the clean ring are installed in place to avoid air leakage.

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CLEAN PAD MAINTENANCE

1. Washing temperature not higher than 40°C
2. Do not bleach
3. Do not tumble dry
4. Do not iron
5. Do not dry clean

TROUBLESHOOTING

Q: When the robot starts, it will run self-inspection first. If it cannot operate normally and the robot sends out an alarm sound, it indicates that the friction is too large or too small.

A: Please check the following problems:

The clean pad is too dirty.

Glass or glass stickers have high friction and they are not suitable for use.

When the glass surface is already very clean, the glass will be too slippery and the friction is too small.

The ambient humidity is too low and the glass will be too slippery.

When pressing the key AUTO to run automatic cleaning mode, the robot cannot detect the top of the window smoothly due to slipping.

A: (1) Please press the key STOP to pause the robot, then press the key LEFT or RIGHT to run the automatic cleaning mode.

(2) If the water or detergent is sprayed too much, the clean pad is too wet or dirty, please replace the clean pad.

Q: The robot cannot finish cleaning the windows, or the window cleaning action is ended in advance.

A: Press the key LEFT or RIGHT to redo the unfinished work.

Q: The robot cannot climb up to the top of window.

- (1) The friction is too small.
- (2) The clean pad is wet.
- (3) When the glass surface is already very clean, the glass will be too slippery.
- (4) The ambient humidity is too high and the glass will be too slippery.

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Q: The robot does not walk smoothly.

- (1) Check if clean pads are dirty and change for clean ones.
- (2) Check if any gaps on the glass.
- (3) Check if any stickers on the glass surface.
- (4) Check if the screw on the clean wheel is loose, then tighten it.
- (5) Check if clean ring is securely installed, then double check after finishing step 1 & 2.

Q: There are marks remain on the glass after cleaning.

A: Check if clean pads are dirty. Then change for clean pads and run clean routine again.

Q: The robot stops running due to power failure, makes a warning sound, and the LED flashes red. How to deal with it?

(1) Gently pull the robot back with the safety rope. When pulling the safety rope, it should be close to the glass as far as possible to avoid falling.

(2) Check whether the plugs of the power supply are plugged in properly, whether there is poor contact or the power cord is disconnected.

(3) Press the power key to restart the robot and double check after finishing step 1 & 2.

Q: The robot stops when hitting unknown obstacles, LED flashes red but no alert sound. How to deal with it?

A: Remote control the robot to a safe position, or gently pull the robot back by safety rope. When pulling the safety rope, it should be close to the glass to avoid falling.

(2) Remove obstacles from window.

(3) Check if any reason for air leakage.

Q: When robot turned on, it does not operate and there is no warning sound?

A:

ITEM	LED STATUS	DESCRIPTION
1	Blue: flashes Orange: on Red: light off No Warning Sound	UPS battery is too low, please charge the robot. All LED is green. If it still could not work when UPS battery fully charged, the UPS battery may be damaged.
2	Blue: flashes Red: flashes No Warning Sound	Robot is abnormal. Please contact dealer.

Q: The glass has scratches after cleaning.

- (1) Please clean the glass with dry clean pads for the 1st round.
- (2) For cleaning 2nd round, replace with new clean pads and keep it dry and clean. Spray a little water or detergent on the clean pads. It cannot be completely wet.

Q: The robot has cleaned all the windows, but it cannot stop automatically.

A: Please press the STOP key to manually stop.

POWER SAFETY INSTRUCTION

Use only the original power adapter included in the package. Use other power cords or adapters may cause failure or danger.

Please use the suitable power outlet and do not place heavy objects on the power cord or adapter.

Please turn off the power before use and the power adapter when not in use.

DO NOT cover the power adapter and keep the normal heat dissipation of the power adapter.

DO NOT use the power adapter in humid environment. DO NOT touch the power adapter with wet hands or feet.

DO NOT use if power cord or adapter damaged.

The power adapter is high voltage. Do not try to repair it. If the adapter or power cord is damaged or exposed to excessive humidity, replace the power adapter.

DO NOT disassemble, short circuit or throw the power adapter into fire. Discard any parts according to the local regulation.

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WARNING INSTRUCTIONS

Please keep the user manual properly.

Be sure to observe the indicative warnings for the product.

DO NOT expose the robot to rain or wet places, keep the robot away from liquids.

DO NOT expose the robot to strong light and keep it away from the heat source.

Please keep the robot out of the reach of children.

Product operating temperature: 0°C ~ 40°C.

Product storage temperature: -10°C ~ 50°C.

WARRANTY

If you find that your window cleaning robot has a functional failure due to electronic components during the warranty period, please contact your local seller or dealer for warranty support or product replacement.

For additional assistance, you may also contact us at support@osmo-official.com

NON-WARRANTY SCOPE

Normal waste materials (clean pad, safety rope, etc.).

The battery is a fragile consumable, which is not covered by the warranty.

Accidental damage caused by improper use, and failure to operate in accordance with the product instructions.

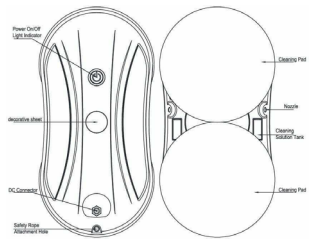
This product is used beyond the scope of household cleaning.

Use non factory configured parts.

Wrong installation.

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PRODUCT COMPONENT NAMES



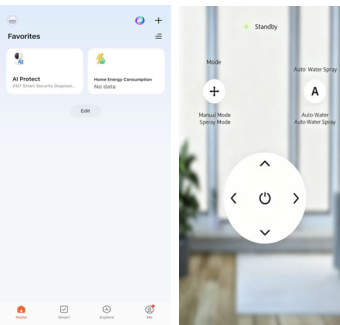
ACCESSORY NAME



Product Main Unit, Cleaning Ring, Cleaning Cloth, Remote Control, Safety Rope, AC Power Plug, Power Adapter, Instruction Manual, Cleaner solution bottle, manual nozzle

Tuya APP Connection Guide

Tuya APP Connection Guide
Open the app store on your mobile phone.
Search for "Tuya" and tap to install the app.
Connect the power cord and power adapter to the unit, fasten the safety rope, then press and hold the power button to turn on the device.
Launch the Tuya APP.
Press the power button four times in a row. You will hear continuous beeps from the buzzer.
Tap the "+" icon, then select Add Device.
Select the window cleaning robot icon to add the device.
Tap Done. The device is now paired, and you will enter the control interface.



APP Interface Function

- Start Button
- Pause Button
- Manual Up
- Manual Down
- Manual Left
- Manual Right
- Manual Mode
- Auto Up
- Auto Left
- Auto Right
- Auto Water Spray
- Manual Water Spray
- Water Spray

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference

(2) This device must accept any interference received, including interference that may cause undue operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

This device meets the FCC requirements for RF exposure. The device is designed for normal indoor use and complies with applicable FCC exposure limits.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.