

PRODUCT MANUAL

OPTONICA
Comfort

SKU:758
WINDOW CLEANING ROBOT



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1. Important Safety Instructions and Warning

1.1 Note!--Read all documents before Using

The appliance is not to be used by children. Persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge may only use this appliance if they are supervised or have been given instruction about how to use it safely and understand what risks are involved. Children should be supervised to ensure they do not play with the robot.

!!!The appliance is for window cleaning with Frames(Frameless glass/window cleaning is of applicable). Users should judge and use it safely on proper operation sites, and be responsible for all possible consequences

1.2 Safety Information

Application of Power Adapter and Batterys

- Use only the power adapter supplied with this device. Use of other type of power adapter will result in malfunction and/or danger.
- Please use the proper electric outlet and make sure no heavy objects are placed on the power adapter or power cord.
- Allow adequate ventilation around the adapter when Using it to operate the device. Do not cover the power adapter with objects that will reduce cooling.
- Do not use the adapter in a high moisture environment. Never handle the adapter with wet Hands.
- Connect the adapter to a proper power source. The voltage requirements are found on the adapter.
- Do not use broken adapter, power cord or plug. The plug must be removed from the receptacle before cleaning or maintaining the Appliance. Do not unplug the Power Adapter by pulling on the power cord.
- Do not attempt to service the adapter. There are no service parts inside. Replace the whole Unit if it is damaged or exposed to high moisture. Consult your Mamibot dealer for help and maintenance.
- The battery used in this device may present a risk of fire or chemical burn if mistreated. Do not disassemble, short contact, heat above 60 C(140 R), or incinerate.
- If you have to dispose of this old equipment, please take it to the local recycling center recycling electrical and electronic parts.
- Retain the safety and operating instructions for future reference. Follow all operating and use instructions.
- Do not expose your device to rain or excess humidity, and keep it away from liquids (such as beverages, faucets, and so on).
- Avoid exposing your device to direct sunlight or intense light source, and keep it away from heat source (such as radiators, space heaters, stoves, and so on).
- Do not place the device in the vicinity of strong magnetic fields.
- Keep the device and accessories away from children.
- Product operating temperature: 0C-40C(32 P-104 F).
- Don't use it cracked glass or clean other surface with uneven area as it may fall off due to sufficient suction power.
- The Back-up Battery must be replaced by the manufacturer or its service agent in order to avoid a hazard. The Back-up Battery must be removed and discarded according to local laws and regulations before disposal of the Appliance. Please dispose of used batteries according to.
- The Appliance must be disconnected from the receptacle before removing the battery for local laws and regulations.
- The Appliance must be used in accordance with the directions in this Instruction Manual disposal of the Appliance Product manufacturer cannot be held liable or responsible for any damages or injuries caused by Improper Use.

Attention! Extremely important:

1. Please inspect the safety rope, ensure there is no damage.
2. Please inspect that whether the safety rope is toughly buckled to the machine.
3. Please ensure that safety rope has been firmly fastened on a strong object.
4. If the glass glue of the window falls off in the middle section or has gaps in the corners due to long-term aging, please use it carefully and carefully. Make sure the user is near the machine during operation, in case the machine is damaged or injured.

1.3 Risk of Electric shock!

- Always switch the device off before carrying out any cleaning or maintenance work.
- Never pull the power plug out of the socket by the power cord; instead, pull it out by the power plug itself.
- Never perform repairs on your device yourself. Repairs to electric devices may only be carried out by authorized customer service center.
- Do not insert any pointed objects into the electric contacts.
- Do not continue to operate the robot if the device itself or the power cord is damaged.
- Do not change the contacts.
- Do not clean the robot, the power cable in water or other liquids.
- Do not use the robot on damp ground or in places in which it can get into contact with liquids or be immersed in water.
- Do not use the robot in hazardous areas such as open fireplaces, running showers or swimming pools.
- Make sure that you do not damage, bend or twist the power cord. Do not place any heavy objects on top of the cord. This could damage the power cord and cause a fire or electrical shock.

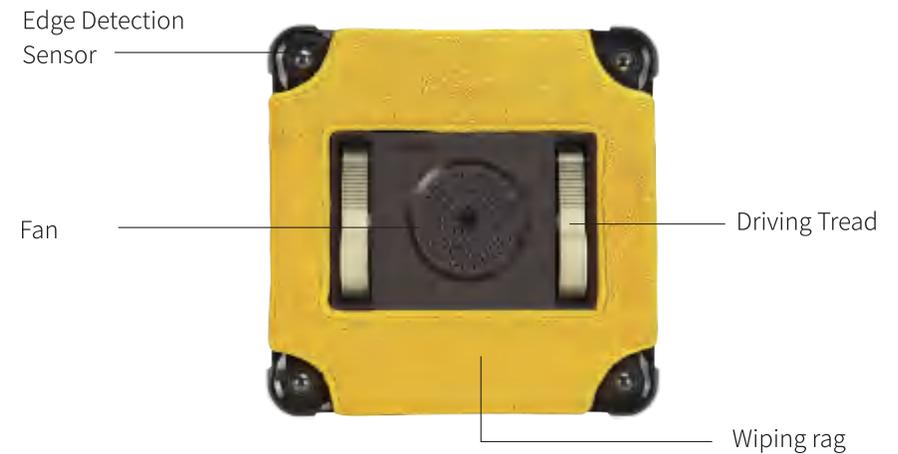
1.4 Warning



1. Fasten the safety rope and tie to indoor fixture before operating the device.
2. Check if the safety rope is broken or the knot is loose before operating the device.
3. Set danger-warning area downstairs for no-balcony window and door.
4. Battery shall be fully-charged (Orange lamp ON) before Using.
5. Do not use it in rainy or moist day.
6. Turn power on before put device onto glass.
7. Make sure the device can stick and stand on glass surface while put onto glass.
8. Before turn power off, please hold the device.
9. Do not use it on frameless glass.
10. Make sure put cleaning pad on the bottom of device correctly for no leakage.
11. Do not spray or pour water onto device.
12. Prohibit children from Using this device.
13. Remove everything on the glass. Do not use on cracked glass. Reflective or coating glass might be slightly scratched due to dirt on the glass while operating.
14. Keep hair, loose clothing, fingers, and all parts of body away from the openings and moving parts.
15. Do not use in areas with existed flammable or combustible liquids, gas.

2. Product Description & Parameters

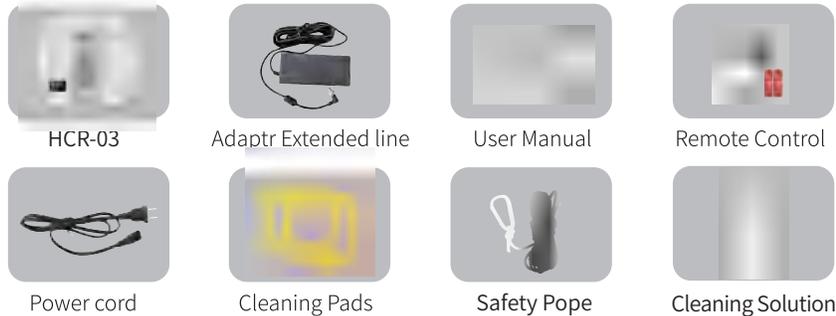
2.1 Product Diagram



2.2 Product Parameters

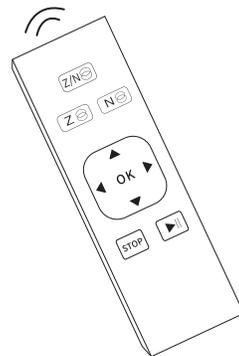
About The Robot			
Model No	758	Rated Voltage	DC24V
Rated Power	80W	Noise Level	About 65dB
Battery Capacity	650mAH	Charging Time	About 2h
Dimension	250*250*95mm	Net Weight	1.4KG
Cleaning Speed	2.5min/sqm		
Adapter			
Input	AC100-240V 50/60Hz 2.0A	Ouput	24V/3.75A

2.3 Packing list



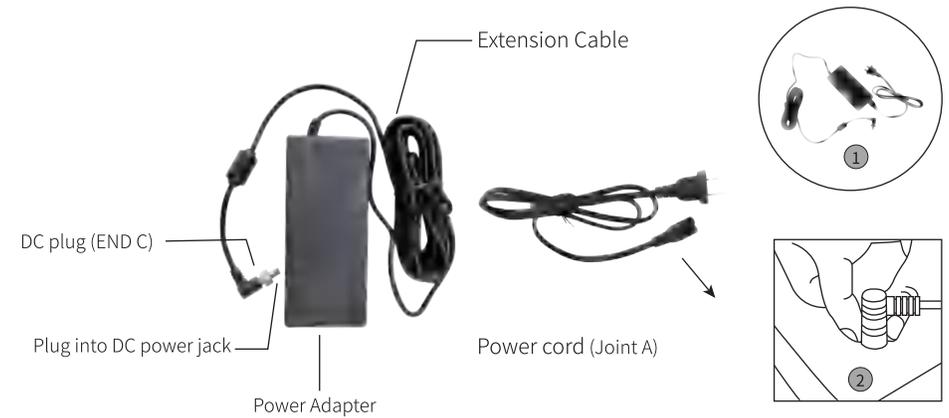
2.4 Remote control

Z/N	From "Z" to "N" Cleaning		Manual Move Up
Z	Automatically "Z" Type Cleaning		Manual Move Down
N	Automatically "N" Type Cleaning		Manual Move Right
OK	Start Cleaning Choose "N" type automacitally		Manual Move Left
STOP	Stop Cleaning		Stop/Restart



3. Installation

3.1 Assemble the Adapter



A. Connect the power adapter to the power cord as shown in Figure ①

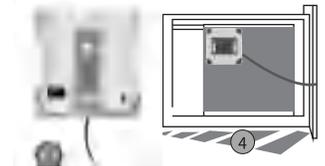
B. Connect **END C** to the robot power socket, screw the connector until it's lightly locked ②

3.2 Fix the Safety Rope

A. Please inspect the safety rope, ensure there is no damage.

B. Please inspect that whether the safety rope is toughly buckled to the machine. ③

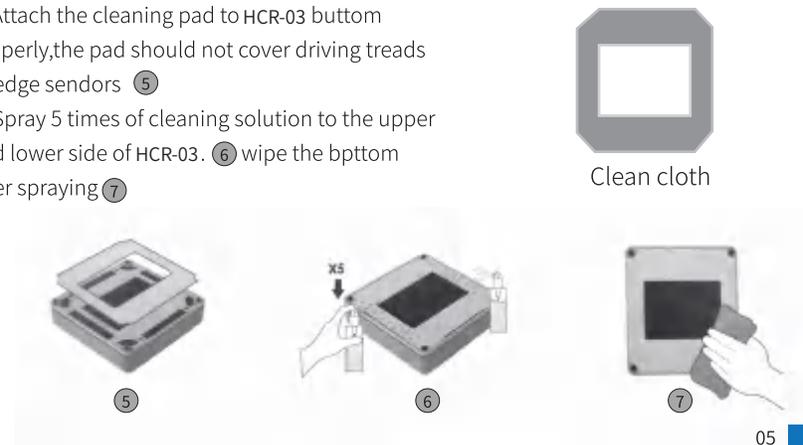
C. Please ensure that safety rope has been firmly fastened on a strong object. ④



3.3 Attach Cleaning pad

A. Attach the cleaning pad to HCR-03 bottom properly, the pad should not cover driving treads or edge sensors ⑤

B. Spray 5 times of cleaning solution to the upper and lower side of HCR-03. ⑥ wipe the bottom after spraying ⑦



3.4 Connect to power supply

Plug in 758 

Important Notes:

Be sure your 758 is always connected to AC power supply while working. Don't use it if the backup battery is lack of power. Use it after full charging. Take off your HCR-03 asap if the power supply is cut or unplugged accidentally.



4. Operate

4.1 On/Off Button

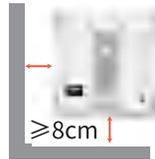
- A. Power on/Off button-press for 2 seconds to turn on/off your 758.
- B. Press the On/OFF button once to start or stop the 758 when it is placed on window.



4.2 Start your WIPPER

- A. Press the On/Off button for 2 seconds to turn on your HCR-03.
- B. Place your 758 on glass, press again the On/Off button to start.
- C. You can also start it from your remote control "OK" button.

Caution: before starting, make sure the edges of 758 is 8cm or more away from windowframes or comers.

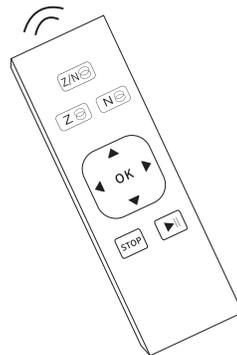


4.3 Stop/pause

- A. When 758 is being cleaned, press the On/Of button or the STOP button On remote control to STOP it.
- B. when 758 is cleaning. press **Pause** button on remole cotrol to pause/restart it.
- C. You can also start it from your remole control Automatic cleaning /manual cleaning button.

4.4 Use of Remote control

 From "Z" to "N" Cleaning	 Manual Move Up
 Automatically "Z" Type Cleaning	 Manual Move Down
 Automatically "N" Type Cleaning	 Manual Move Right
 Start Cleaning Choose "N" type automatically	 Manual Move Left
 Stop Cleaning	 Stop/Restart



4.5 Take off Wipper after cleaning

758 will return to its starting point automatically after cleaning is finished. There is beep warning when cleaning is compleste

- A Use remote control to move your 758 to a reachable location
- B Press On/Off Button for 2 seconds to switch it off
- C. Grasp the handle and take it off from the window
- D Untie the safety rope after finishing cleaning. Put the device and its spare parts in dry condition for future use

5. Maintenance

5.1 Cleaning Pad Maintenance

Put your 758 up-side-down, take off the cleaning pad and put if into cold water, wash the Cleaning pad with detergent and dry it for reuse

Note: wet cleaning pad is not suggested to be Used as it may get your robot stuck when cleaning glass with heavy dirty

5.2 Fan Maintenance

Put your 758 up-side-down, use a clean and dry cloth to wipe out dirt/debris on the fan.

5.3 Edge Sensors Maintenance

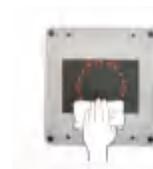
Put your 758 Up-side-down, Use a clean and dry cloth to wipe out dirt/debris on the sensors.

5.4 Driving Treads Maintenance

Put your 758 up-side-down, use a clean and dry cloth to wipe out dirt/debris on it.



Cleaning wipes



Clean the fan



Clean the anti-fall sensor



Cleaning drive wheel

6. Troubleshooting

Malfunction	Possible Causes	Solutions
The device gets slippery or works in irregular pattern.	A.Glass is too dirty or too wet. B.Cleaning pad is too dirty or too wet.	A.Change cleaning pad B.Cleaning the driving treads C.Use remote control to manually restart it.
The device stops with flashing Red indicator light.	Insufficient suction power.	A.Check if the cleaning pad is attached properly,replace it correctly. B.Check if any crack on the glass. C.Check if the glass frames are with uneven area/rubber part.If there is uneven area or uneven rubber part on the glass,use remote control to operate the device manually and keep the W120 away from the uneven area/uneven rubber part when cleaning.
The devices can't be started after switched on,or works in irregular pattern.	Edge detection sensor abnormal.	A.Remove the Cleaning Pad and reattach it making sure it is placed exactly within its Velcro area and does not cover the Edge Detection Sensors. B.Edge detection sensors failure,contact after-sales service.
Red indicator light flashes,buzzer beeps once/second	Improper connection of Power Supply.	Check if the plug is connected well,or the screws of the extension cables are placed tight.
Both Red and Blue indicator lights flash.	Hardware failure.	Contact after-sales service.
Remote control does not work.	A.No battery inside on battery has low power; B.Remote control is broken.	A.Change the battery B.Replace the remote control with new one.
Both Red and Blue Light on,no beeps	Edge-detection misjudgement.	A.Press STOP on remote,move the device to reachable location first B.Pull the robot lightly to reachable location if can't remote control it.
Both Red and Blue Light on,no beeps	The device is not sucking properly on window	Put the device on window surface manually,make sure it sucks on the window properly
Buzzer beeps twice when it's in use	Edge sensor detects frameless glass.	It's normal if it is cleaning frameless glass.
Squeaky sound when it's in use	Glass is too dry or edge detection sensors are too dirty.	A.Spry a little water on the cleaning cloth. B.Clean the edge detection sensors and operate again.
The device doesn't return to Starting Point after cleaning	The glass surface's friction index is different.	Use remote control to direct the device return to reachable location.

7.Disclaimer

The manufacturer makes no representations or warranties,either expressed or implied,with respect to the contents hereof and specifically disclaims any warranties,merchantability,or fitness for any Particular purpose.

Further,the manufacturer reserves the right to revise this publication and to make changes from time to time in the contents hereof without obligation of this company to notify and person of such revision or changes.

The place and safety of this glass cleaning tool usage must be judged and responsible by user.But also need to follow the instructions in this user manual.

8.Product Warranty

If there are defects in your WIPPER glass-cleaning robot due to faulty materials,workmanship or function within warranty period from the date of purchase or delivery,please contact your local retailers or local authorized dealers for repair or replacement.

9.Exclusions

This warranty will automatically become null and void and shall not be applicable to any purchase products if:

- Normal wear and tear (e.g.cleaning cloth,safety rope,etc) .
- Reduction in battery discharge time due to battery age or use.
- Damage caused by assembling or installing that not in accordance with the instructions of manufacturer.
- Damage caused by using the glass-cleaning robot for any other purposes than normal domestic household
- Damage caused by using parts and accessories which are not specified by the manufacturer.
- Damage caused by accident,abuse or misuse

10.The Environment



The symbol on this appliance indicates that this appliance may not be treated as household waste.Instead it must be handed over to the applicable collection point for the recycling of electrical and electronic equipment.Disposal must be carried out in accordance with local environmental regulations for waste disposal.For more detailed information about treatment recovery and recycling of this appliance,please contact your local city office,your household and waste disposal service or the shop where you purchased the appliance.

 This appliance complies with the European Drecives 201 4/30/EU, 201 4/35/EU, and 2014/53/EU Subject to change without notice