

Robot Window Cleaner

Featured Dual Self-Spraying Type



iGlassbot W100

User Manual

* The picture may be slightly different from the actual product, please subject to the actual product.

Note

Please read all instructions carefully, and keep it at hand for setting up, using and maintaining W100.

The appliance should not 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 not recommended). Users should judge and use it safely on proper operation sites, and be responsible for all possible consequences.

Safety instructions and warning

For Main Unit and Components

- 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.
- 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 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 circuit, heat above 40 °C (104 °F), or incinerate.
- If you have to dispose of this old equipment, please take it to the local recycling center for recycling battery pack, electrical and electronics 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: 0~40 °C (32 °F -104 °F).

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.
- 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 to the electric contacts.
- Do not change the contacts.
- Do not continue to operate the robot if the device itself or the power cord is damaged.
- Contact your local customer service in the event of damage.
- 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 may get into contact with liquids or be immersed in water.
- Do not use the robot in hazardous areas such 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 electric shock.
- Drooping or bare cables, curtains, table cloths or cords in the working area of the robot are to be secured in order to avoid damage to it or cause an electric shock.

Warning

1. Fasten the safety rope and tie to indoor fixture before operating the device.
2. Check if the safety rop 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 full-charged(Green lamp on) before using.
5. Do not use it in rainy or moist day.
6. Turn power switch on before put device on the glass.
7. Make sure robot can stick and stand on glass surface while put on the glass.
8. Before turn power switch off, please hold device.
9. Do not use it on frameless glass.
10. Make sure put cleaning ring onto cleaning wheel correctly to avoid air leakage.
11. Do not spray or pour water onto the robot.
12. Prohibit children from using this device.
13. Remove anything 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 opening and moving parts.
15. Do not use in areas with existed flammable or combustible liquids, gas.
16. Please use pure water. Do not use other detergent or corrosive liquid in the water tank.
17. Please dry off the water tank after cleaning.

18. It is recommended to use the device on the dirt surface. The device may be slippery on the clean surface.

19. Please fully charge(About 1-2 hrs) and turn off the robot and place it in a cool and dry place if you do not use it for a long time. Charge it every 3 months at least to avoid battery dead.

About W100

W100 is a robot window cleaner that works on multiple surfaces of glasses, tiles, smooth, walls and tables. It works with a built-in vacuum motor that helps it suck air and stand on the glass surface. An embedded UPS(Un-interrupted Power System) prevents the robot falling from the window even when no electrical power supply.

With two wheels that freely traverse on the window surface or on wall surface, W100 cleans glass surface efficiently by the intelligent AI-technology path calculation. As well, it can be manually operated to clean under different modes from the remote control.

- App control(Optional) through IOS/Android system
- Cleaning with manual / Automatical water spraying system
- For glasses thicker than 6mm
- AI Technology
- 4 kinds of automatic operation modes for cleaning
- Auto-finish
- Embedded UPS
- Anti-dropping control algorithm
- Auto detect edges of window
- Micro-fiber cloth
- High strength safety rope
- Remote control

Specifications:

Adapter Input: 100-240VAC, 50/60Hz
Adapter Output: 24VDC
Rated Power: 65W
Dimension: 29.0cm*14.5cm*9.5cm
N.W.: About 1.12 KG
Battery Capacity: 600mAh, 14.8V, 8.88Wh
Charging Time: 1-2 hours
UPS: 20-30minutes
Water Tank Capacity: About 50ml

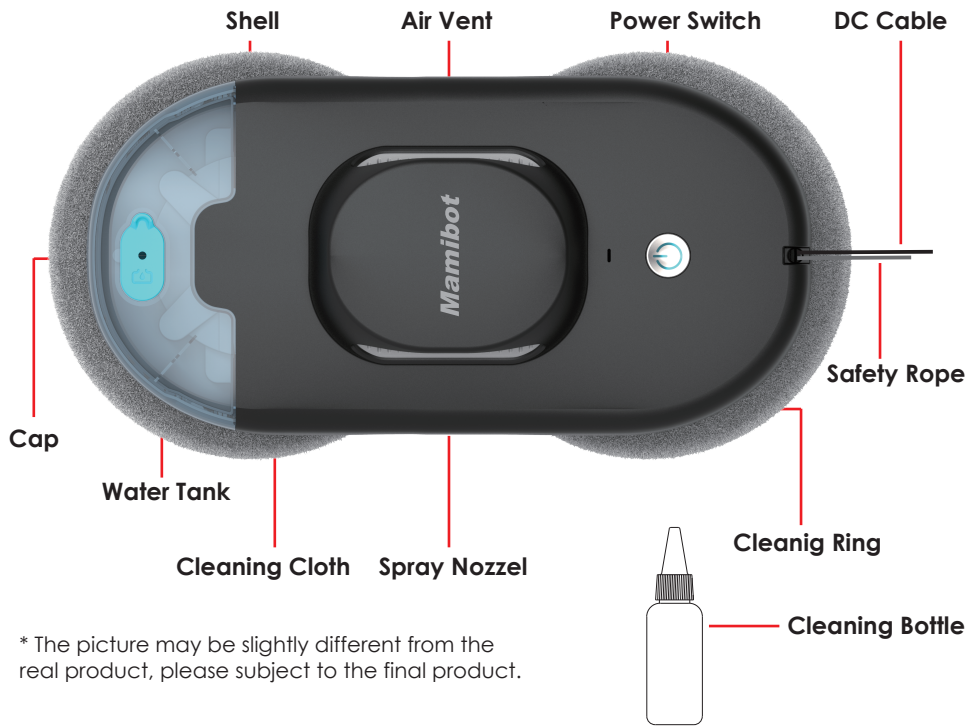
What is in the package:

W100 x 1pc
Cleaning Cloth x 6pcs
Cleaning Ring x 2pcs
Remote Control x 1pc
AC Power Cord x 1pc
DC Extension Cable x 1pc
Adapter x 1pc
Safety Rope (About 4m)x 1pc
Cleaning Bottle x 1pc
User Manual x 1pc

The datas come from the lab, it might slightly be different from the users data due to different usage and home environments, please subject to the final products.

To know your W100

Top View

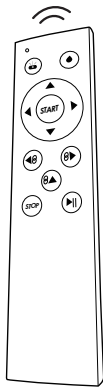


Water Self-Spraying System

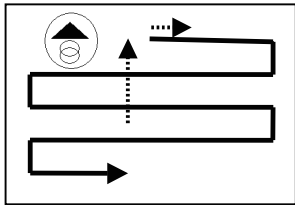
Auto-water-spraying Mode	The Indicator is blinking Blue. W100 will spray water automatically under Auto spray mode. Users can select the spray frequency via App if W100 is App version.
Manual-water-spraying-Mode	The Indicator is solid Blue. Users can press the water spray button on remote control or App to spray the water manually.
Attention: 1. Default mode: Auto-water-spraying mode. Note: Hold and press the power switch button for 2 seconds, W100 will enter Auto-water-spraying mode by default. 2. Users can switch the spray mode via the remote control or the App. 3. App function is optional, please subject to the final device.	

Remote Control

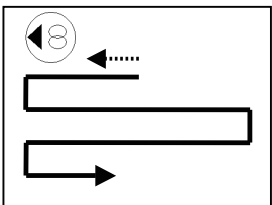
Users can use W100 via remote control.



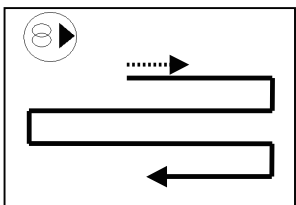
	Manual / Auto Spraying Switch Button		Manual Spraying Button
	Automatically move up then down		Manually move up
	Automatically left then down		Manually move down
	Automatically right then down		Manually move right
	Stop cleaning		Manually move left
	Pause		Start cleaning



Auto Up then Down



Auto Left then Down



Auto Right then Down

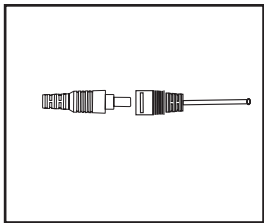
Please remove the insulation spacer which fixed on the battery in the back of remote control before use. Pulling down the battery cover to replace new one, if battery power is low.

Before Use

1. W100 should always connect to power cable for normal use.

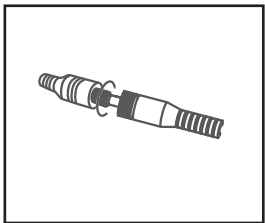
①

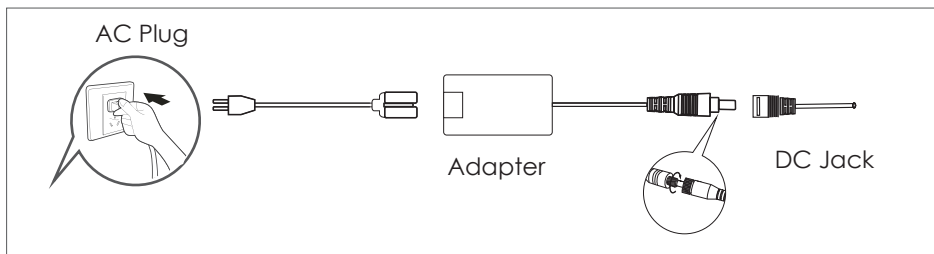
Plug in



②

Tighten the Screw





2. Safety rope and buckle

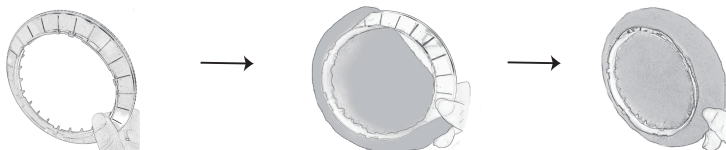
1). Before use, check if the safety rope is broken or the knot is loose.

2). Fasten the safety rope and tie to indoor fixture before next step.



Safety Rope

3. Cleaning cloth setup



1). Hold the cleaning ring, place the cleaning cloth over the cleaning ring properly.

2). Put the cleaning ring onto the clean wheel and ensure the 6 slots on the ring are well fixed with the cleaner wheel to avoid air leakage.

4. How to put W100 onto glass to start using?

1). Connecting the W100 with the power supply, then turn the switch on, make sure the fan is running.

2). Put W100 onto the glass, make sure it keeps 10cm away from the window frame.

3). Make sure W100 can stick on the glass before releasing it.

5. How to take W100 down from glass?

1). While W100 is running, please hold safety rope with one hand and take W100 down from glass with the other hand.

2). Hold W100 and turn off power switch in safe area.

6. UPS(Un-interrupted Power System) function

- 1). The UPS function will be enabled automatically when no electric power supplied. The backup time of this UPS is 20-30 minutes.
- 2). If no electric power is supplied, W100 will stop automatically. There will be alert and red flashing. User must take W100 down from the glass as soon as possible.
- 3). User can pull W100 back by pulling safety rope. Slightly pull the safety rope at an angle close to the glass to prevent dropping.

7. Please make sure the battery was full-charged (Green Indicator On) before use.

- 1). Turn off the power switch on W100, plug in the power supply. If the indicator is orange, it means charging.
- 2). If the indicator is green, it means fully charged.

※Notice

- 1). Do not use it on frameless glass.
- 2). Make sure put cleaning ring onto cleaning wheel correctly for no leakage.
- 3). Do not use it in rainy or moist day.
- 4). Set danger-warning area downstairs for no-balcony window and door.
- 5). Do not add dirty water and corrosive liquids into the water tank.

Switch on/off



- ① Hold and press the switch button for 2 seconds to turn on W100, and put it onto working surface.
- ② Press again to start/pause when it's on the working surface.
- ③ Hold and press the switch button for 2 seconds to turn off W100 when working finished, then take it down from the working surface.

How to Clean the Glass

Step 1: Add clean water/glass water into the water tank.

Step 2: Use only the original clean and dry cleaning cloth to clean dust and sand on the glass.

Step 3: Hold and press the power switch button for 2 seconds to turn on the robot, then press the start button, W100 will enter Auto-water-spraying mode. Users can switch to manual model via remote or App.

Step 4: Change the cleaning cloth according to the usage. Spray some water or glass water to make cloth wet via remote control or App.

※Notice

- 1). Please choose the suitable spray mode according to the usage, if the glass is too wet or too dry, W100 can not move well or be slippery.
- 2). It is prohibited to add solid cleaner into the water tank.

FAQ

Q1: if W100 can not start up and alerts at the beginning of use.

Ans: It means that the friction factor is not properly used, please check:

- 1). Whether the cleaning cloth is too dirty or not.
- 2). Whether the glass stickers, window films on the glass affect the friction or not.
- 3). Whether the glass surface become slippery or not after several times cleaning.
- 4). Whether the humidity of working environment is low or not, the lower humidity such as in air-conditioned rooms will affect the friction.

Q2: W100 slips and can not detect the upper frame of window in “Auto up then Down” mode

Ans: Press  key and switch to  or  mode to continue cleaning.

Q3: W100 can not finish whole window and stop at middle area.

Ans: Press  or  mode to continue cleaning.

Q4: W100 slips and can not get higher to the window frame.

Ans:

- 1). Friction is too low that might be caused by glass stickers, window frame on the glass.
- 2). Cleaning cloth might be too wet.
- 3). Make sure W100 did not clean window many times, or the glass surface will become slippery.
- 4). If W100 clean several times in low humidity environment, the glass surface will become slippery.
- 5). Please keep W100 10cm away from the window frame when start up.

Q5: W100 does not move smoothly or moves irregularly.

Ans:

- 1). Cleaning cloth is too dirty, please change the clear cleaning cloth.
- 2). Glass surface has different friction factor areas due to stickers, window film, please use it in single area.
- 3). The screw of cleaning wheel might be loose, please tighten it.

Q6: After cleaning, remained circle mark on the glass surface.

Ans: Cleaning cloth is too dirty, please change the cleaning cloth and clean for the glass second time.

Q7: What to do if W100 stopped at higher area while no electric power supplied, it alerts and flash red?

Ans:

- 1). Users can pull W100 back with safety rope, slightly pull the safety rope at an angle close to prevent dropping.
- 2). Switch the power switch to off status.
- 3). Check whether electric poor-contact, or cable broken.

Q8: What to do if W100 abnormally stopped and flash red without alarm?

Ans:

- 1). Slightly pull the safety rope at an angle close to the glass to prevent dropping.
- 2). Check if any obstacle on the glass and move the obstacle.
- 3). Check whether there is air-leakage caused by gap, or even window frames.

Q9: When turn on the power switch, the fan does not work, and without alarms.

Ans: If the blue indicator keeps flashing without alarm, it means battery voltage is too low, please charge the robot for 1-2 hours. If the robot can not be used after charging, please contact the local distributor for inspection.

Q10. When turn on the power switch, the fan does not work, with alarm.

Ans:

If the red indicator keeps flashing, the hardware of the robot may failure, please contact the local distributor for inspection.

Q11. W100 does not stop automatically after fully cleaned.

Ans:

Please press the stop key on App or remote control to stop the robot, then take it from the glass carefully.


Q12. When turn on the power switch, the fan works well, the blue indicators on start button and at the bottom of robot flash first, then the red indicators flash, with alarm.

Ans:

- 1). Please check the connection of the power supply, make sure the cables connect well.
- 2). Please check if W100 stands on the working surface well.

Q13. The robot does not spray water when cleaning.

Ans:

- 1). Please make sure the water tank is filled up with clear water.
- 2). Please don't add any detergent into the tank to prevent the tank from blocking.
- 3). If W100 didn't spray water when start up at Auto spray mode, please switch to manual spray mode by remote or App, then hold and press the manual spray button "  " on **REMOTE** to fill the water pipe until the nozzle sprays water, then use it per user manual.

*** There is no water in the water pipe when you use W100 for the first time or after refill the water tank, hold and press the manual spray button can fill the water pipe quickly.**

- 4). Please check the spray mode, if the mode is Auto mode, it will spray water as per spray mode, if the mode is Manual mode, please press the spray button on remote or App to spray the water.

Q14. Status of LED indicator?

Ans:

Indicator	Status
Solid Orange	Charging
Solid Green	Fully Charged
Blinking Blue	Auto-water-spraying
Solid Blue	Manual water spraying

App Connection(Optional Version)

Users can control W100 through Bluetooth matching to your smart phone, it is easy and convenient for cleaning.

Requirments:

IOS system requires iOS 7.0 or later, compatible with iPhone, iPad and iPod touch.

Android system requires 4.3 or later, bluetooth 4.0 or later.

How to control it through App?

- 1). Connect the W100 to power supply and press "power switch" to turn it on. The robot must be turned on so the bluetooth can be found and matched to your smart devices.
- 2). Turn on the bluetooth of your smart devices(Fig 1).
- 3). Open the Glassbot2 App on your smart devices(Fig 2).
- 4). Check the status of your App, make sure it is available(Fig 3).
- 5). Click "Bluththoos search" on your smart devices, match it to the robot(Fig 4).
- 6). Bluetooth connected, choose the cleaning mode, spray mode through your smart device(Fig 5,6).

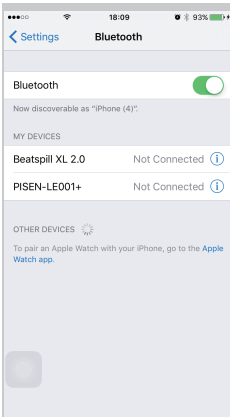


Fig.1

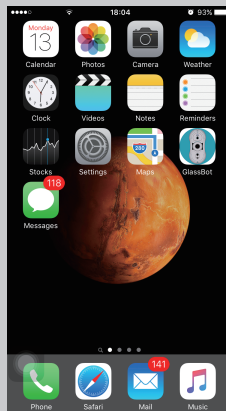


Fig.2



Fig.3

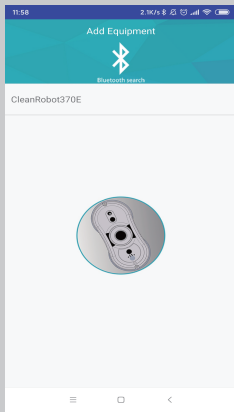


Fig.4

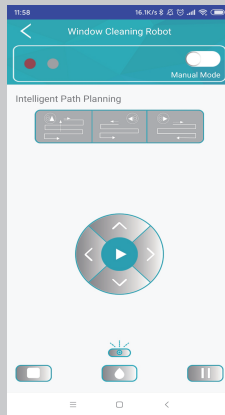


Fig.5

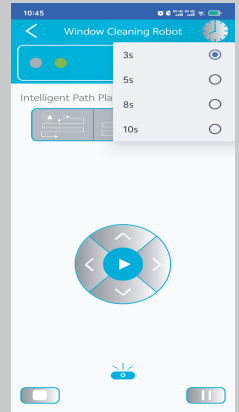


Fig.6

Scan the QR code to download the App.



IOS System



Android System

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 more, 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 W100 usage must be judged and responsible by users. Please also follow the instructions in this user manual.

Product Warranty

- The W100 has a 1 year limited warranty against original defects in workmanship or material.
- The warranty only applies to the authorized distributors of Mamibot.
- Improper usage or not in accordance with the user manual will void the warranty.
- The application of force majeure will be invalid.
- Normal reductions, such as battery aging, mopping cloth aging are not guaranteed.

If there are defects in W100 due to faulty materials, workmanship or function within warranty period from the date of purchase or delivery, please contact your local retailers or authorized dealers for repairing or replacement.

Note:

Please keep and provide your proof of purchase, S/N when make a claim.

Exclusions

This warranty will automatically become null and void and shall not be applicable to 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 accident, abuse or misuse.
- Damage caused due to use the corrosive liquids or dirty water.

Compliance Standards



The symbol on the product or on its packaging indicates that this product may not be treated as household waste. Instead it should be taken to the appropriate collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local council, your household waste disposal service or the shop where you purchased the product.



The product was tested and found to be in compliance with:
Directive 2014/53/EU,
RoHS 2.0 Directive (EU) 2015/863.

We reserve the right to changes in text, design, and technical specifications which are subject to change without prior notice.

Supervised by

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