

Mamibot

iGLASSBOT W120-P

EN

Robot Window Cleaner

Dual Self-Water-Spraying Type

USER MANUAL

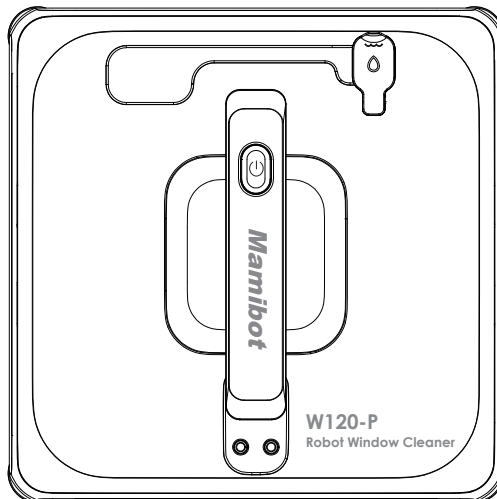
V.20231229.

Thanks for purchasing Mamibot Robot Window cleaner W120-P featured with dual self-water-spraying type.

We hope W120-P will bring you a smarter and more convenient lifestyle.

If you encounter any problem not mentioned herein, please contact info@mamibot.com.

For more details, please visit our official website:
<http://www.mamibot.com>.



Please read all instructions before using this product, and keep it properly for future reference.

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Safety Instructions and Warning

Please read all instructions carefully, and keep it at hand for setting up, using and maintaining W120-P. Any operation that against the following instruction may damage the device or cause injury.

W120-P 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 device if they are supervised or have been given instruction about how to use it safely and understand what risks are involved.

Notes for Main Unit and Components

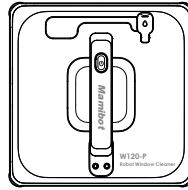
- ▲ Use only the original adapter, plug and battery. Use of other types will result in malfunction and / or danger.
- ▲ Use the proper electric outlet and make sure no heavy objects are placed on the adapter or power cord.
- ▲ Allow adequate ventilation around the adapter when using it to operate the device. Do not cover the adapter with objects that will reduce cooling.
- ▲ Always switch W120-P off before carrying out any cleaning or maintenance work.
- ▲ Do not use W120-P 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 device before cleaning or remaining the device. Do not unplug the plug by pulling the power cord.
- ▲ Do not attempt to service the adapter and battery. Replace the whole unit if it is damaged or exposed to high moisture. Contact 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 circuit, heat above 40°C (104°F), or incinerate.
- ▲ Do not expose your W120-P, adapter and battery to rain or excess humidity, and keep it away from liquids(such as beverages, faucets, and so on).
- ▲ Avoid exposing your W120-P, adapter to direct sunlight or intense light source, and keep it away from heat source(such as radiators, space heater, stoves and so on).
- ▲ Do not place your W120-P in the vicinity of strong magnetic fields.
- ▲ Do not use it on cracked glass or to clean other surface with uneven area as it may fall off due to insufficient suction power.
- ▲ Operating W120-P at temperature: 0°C-40°C (32°F -104°F)
- ▲ W120-P must be used in accordance with the instruction manual.

▲ Manufacturer can not take any responsibilities for any damages or injuries caused by improper use.

Warning

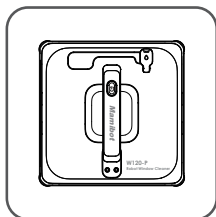
- ▲ Check if the safety rope and extension cable are broken or not before use.
- ▲ Fasten the safety rope and tie it to indoor fixtures before using W120-P.
- ▲ Set danger warning area downstairs for no-balcony window and door.
- ▲ Battery shall be charged (Blue light is on on the robot) before use.
- ▲ Do not use it on rainy or moist days.
- ▲ Switch power on before you put device onto glass.
- ▲ Make sure W120-P can stick and stand on glass surface while put onto glass.
- ▲ Make sure to put the cleaning pad on the bottom of W120-P correctly to avoid water leakage.
- ▲ Do not spray or pour water onto W120-P and adapter.
- ▲ Keep hair, loose clothing, fingers and all parts of body away from the openings and moving parts.
- ▲ Do not use in areas with existed flammable or combustible liquids, gas.
- ▲ Please fully charge(About 1-2 hrs) and turn off W120-P 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.
- ▲ Please turn the switch on when you are going to W120-P, so that you can check the status of indicator.

Specification

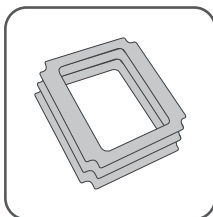


Product Model	W120-P
Size of Main Unit	245*245*78 mm
Net Weight	About 1.53KG
Adapter Input	100-240VAC ~ 50/60Hz
Adapter Output	24.0V $\equiv$ 3.75A
Rated Wattage	80W
Battery Type	Rechargeable Li-ion Battery
Battery Capacity	600mAh
Battery Rated Voltage	14.8V $\equiv$
Charging Time	About 1-2 hours
The Min. workable Surface	60 x 50 cm
Water Tank Capacity	100 ml $\pm$ 10 ml
Working Noise	<75dB
Spraying Drive Type	Motor Drive
※ The datas come from the lab of Mamibot Manufacturing USA Inc. It may be slightly different from the users' data, please subject to the actual products. For continous products improvment, we reserve the right to any technical and design change without prior notice.	

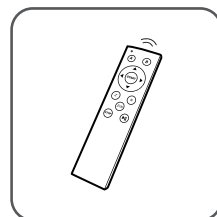
What's in the package



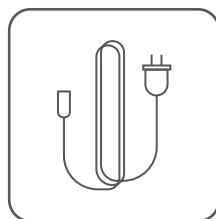
W120-P x 1pc
with Safety Rope



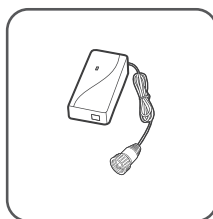
Cleaning Pads x 2pcs



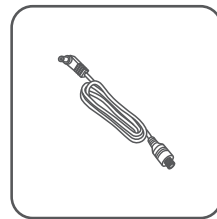
Remote x 1pc



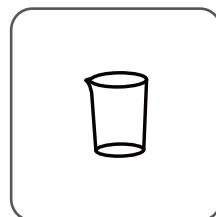
AC Plug x 1pc
(with power cord)



Adapter x 1pc



Extension Cable x 1pc



Measuring Cup x 1pc



User Manual x 1pc

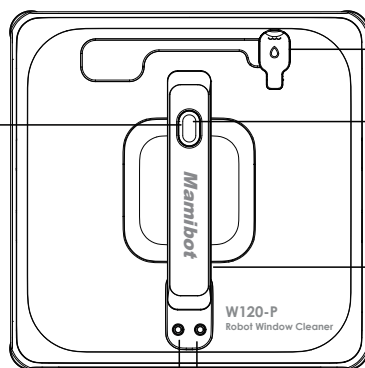
Accessories of some models may be slightly different and they are subject to the actual received products.

Product Description

Main Unit

Switch

Short Press:
- to start/resume
Long Press:
- to switch W120-P
on / off



Water Tank Lid

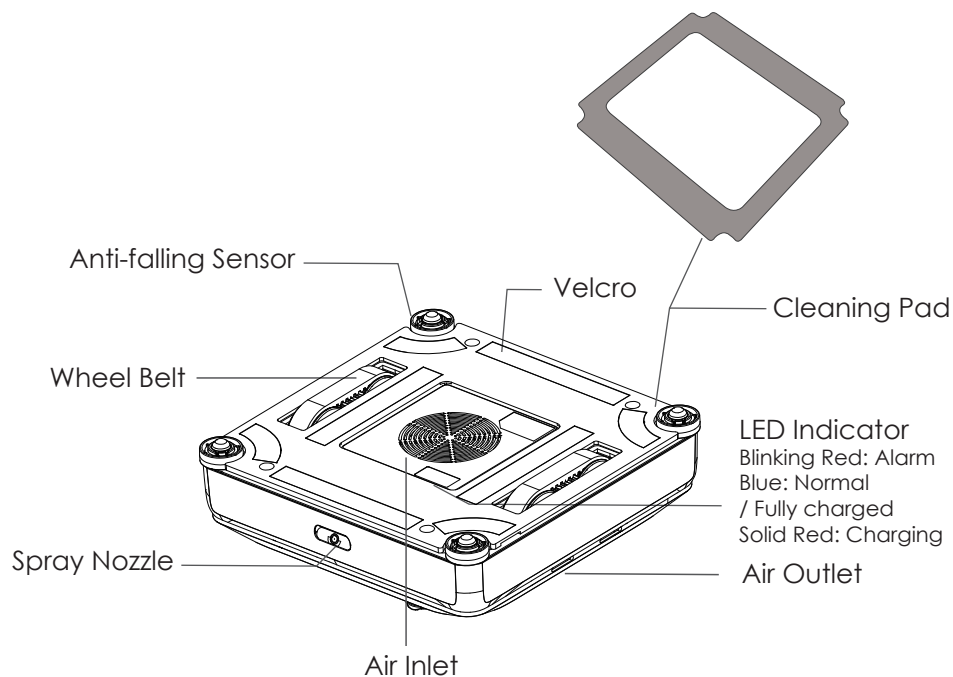
LED Indicator
Blinking Red: Alarm
Blue: Normal/
Fully Charged
Solid Red: Charging

Hand Grip

Power Cord Hole

Safety Rope Hole

Top View



Anti-falling Sensor

Velcro

Cleaning Pad

Wheel Belt

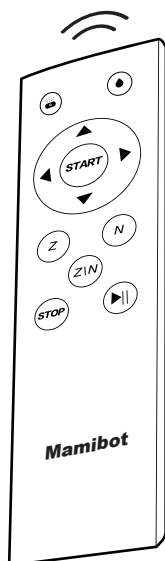
LED Indicator
Blinking Red: Alarm
Blue: Normal
/ Fully charged
Solid Red: Charging

Spray Nozzle

Air Outlet

Air Inlet

Bottom View



	Auto/Manual Water Spraying Switch
	Manual Spraying Button
	Manual Move Up
	Manual Move Left
	Manual Move Right
	Manual Move Down
	Start Cleaning Button
	Auto "Z" Cleaning Type
	Auto "N" Cleaning Type
	Auto "Z" and "N" Cleaning Type
	Stop Cleaning
	Pause/Resume

Remote Control

Self-Water-Spraying System

Auto Mode	Hold and press the switch on W120-P to turn W120-P on, press the start button, it will enter Auto water-spraying mode by default , and the indicator is blinking blue. Users can select the spray interval with 5s, 10s, 15s and 20s mode via App("s" is a time coefficient, not exactly equal to seconds).
Manual Mode	Press the Auto/Manual Water Spraying Switch at auto-mode, W120-P will enter the manual water-spraying mode, and the indicator is solid blue. Users can press the manual spraying button on remote or App to spray the water manually.

Attention:

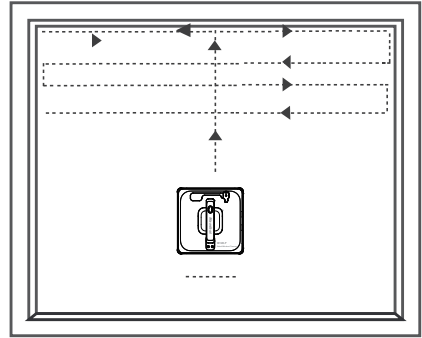
1. The above setting and operating is for reference, we reserve the right to changes in settings and operations which are subject to change without prior notice.
2. When you use W120-P for the first time or after refill the water tank, if the robot doesn't spray water under Auto-mode at initial, please start W120-P and **enter the manual water spray mode**, then **Hold and Press** the manual spraying button continuously on REMOTE to fill the water pipe until the nozzle sprays water, then you can enter the auto-mode again.

Cleaning Modes

※ Please make sure the edge of W120-P is 8cm or more away from window frames or corners before cleaning (as in fig. Page 11).

(Z) "Z" Cleaning Mode:

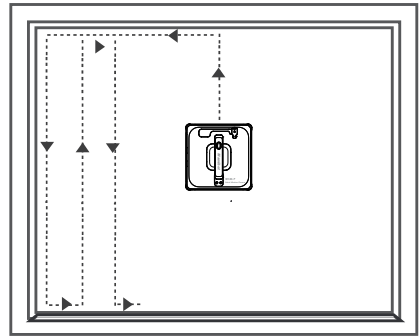
Start W120-P in the center of the glass. It will detect the frame upwards first, and the frame left second, after that, it will start cleaning with "Z" shaped path.



"Z" Shaped Path

(N) "N" Cleaning Mode:

Start W120-P in the center of the glass. It will detect the frame upwards first, and the frame left second, after that, it start cleaning with "N" shaped path.



"N" Shaped Path

(Z|N) "Z|N" Cleaning Mode

Press the button on remote or App, W120-P will clean the glass with "N" & "Z" shaped path. It is recommended to use this mode on large working surfaces.

(Start) : press the button to start cleaning.

(STOP) : press the button to stop cleaning.

(▶||) : press the button to pause/resume cleaning.

Notice:

- W120-P will return to the start position after automatical cleaning is finished, it is normal that some times the start position and return position are slightly different.
- The cleaning path is for reference, please subject to the actual products.

Installation

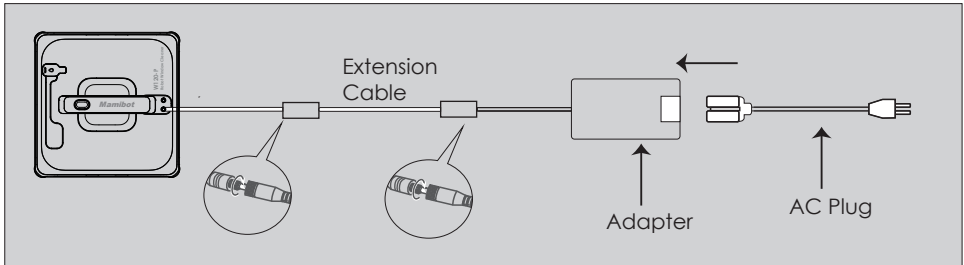
Charging

Plug in the adapter to W120-P as below, connect the adapter, AC plug and extension cable properly as in below image:

Charging Indicator:

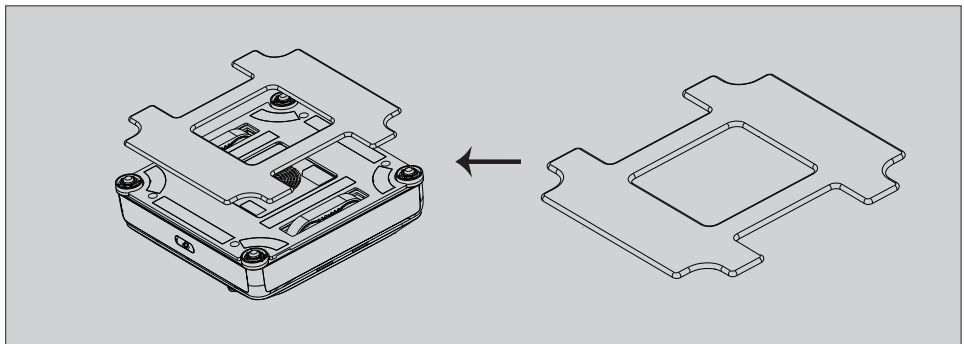
Solid Red: Charging

Blue: Fully charged after 1-2 hrs charging.



Cleaning pad attaching

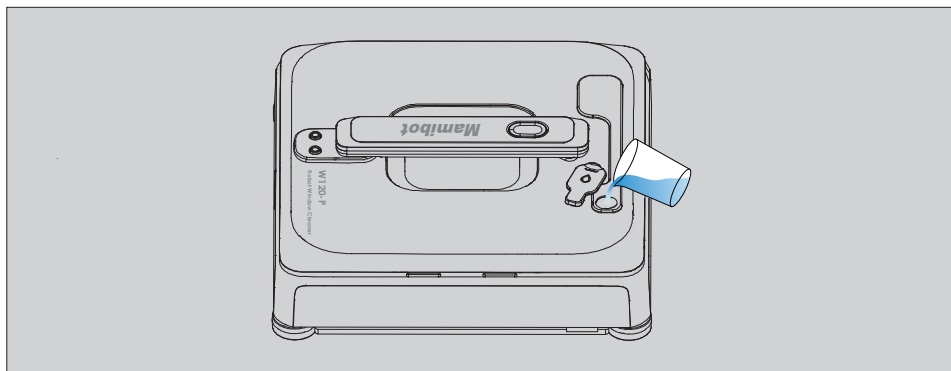
- Use the original cleaning pads, attach it to W120-P bottom properly, the cleaning pad should not cover wheel belts or anti-falling sensors.
- Please do not spray too much water on the cleaning pads when use to avoid slippery.



Fill up the water tank

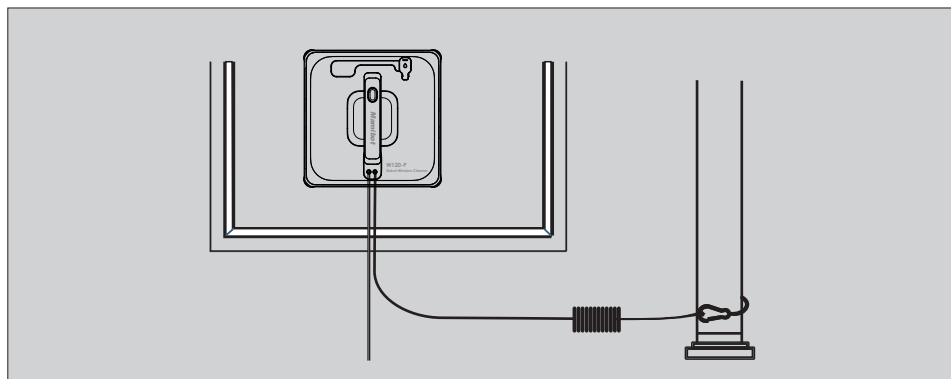
Open the water tank lid, fill up the water tank with clean water before starting it, then seal the lid.

- Do not add dirty water or thick liquids into the water tank.
- Do not add corrosive or flammable liquids into the water tank.



Safety rope fixing

The safety rope must be tied on the indoor fixtures tightly before use. Make sure the length of the safety rope is appropriate for cleaning.



Note:

- 1). Please check the safety rope, make sure the rope is not damaged and the knot is not loose.
- 2). Set danger-warning area downstairs for no-balcony window and door before use.

To use W120-P

* Please charge the W120-P fully before use.

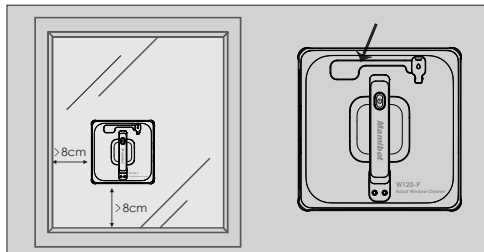
Switch on/off

Plug W120-P in power supply, hold and press the switch  on W120-P for about 2 seconds to turn W120-P on, then put W120-P on the window glass.

Note: Hold and press the switch  for about 2 seconds again to turn it off.

Start W120-P

- 1). Make sure the edge of W120-P is 8cm or further away from window frames or corners before cleaning.
- 2). Press the "Start"/"N"/"Z"/"Z|N" button on remote or App to start clean.



Stop/Pause/Resume

- 1). When W120-P is cleaning, press STOP button  on remote to stop it.
- 2). When W120-P is cleaning, press Pause button  on the remote to pause it, and press it again to resume cleaning.

※ Users can also operate W120-P via App.

Take W120-P back after cleaning

W120-P will return to its starting point automatically after cleaning is finished. There is a beep remind when cleaning finished.

- 1). Use remote to move W120-P to a reachable location;
- 2). Hold the hand grip and the safety rope, press switch button on W120-P for 2 seconds, then take it off from the window;
- 3). Clean the pads in time and dry it for future use;
- 4). Empty the water tank if you are not going to use it in a long time.

APP Use

Scan QR Code or searching "iGLASSBOT" from Apple store or Google play to download the App.

iOS System:

Requires iOS 7.0 or later. Compatible with iPhone, iPad, and iPod touch.

Android System



iGLASSBOT

iOS System



iGLASSBOT

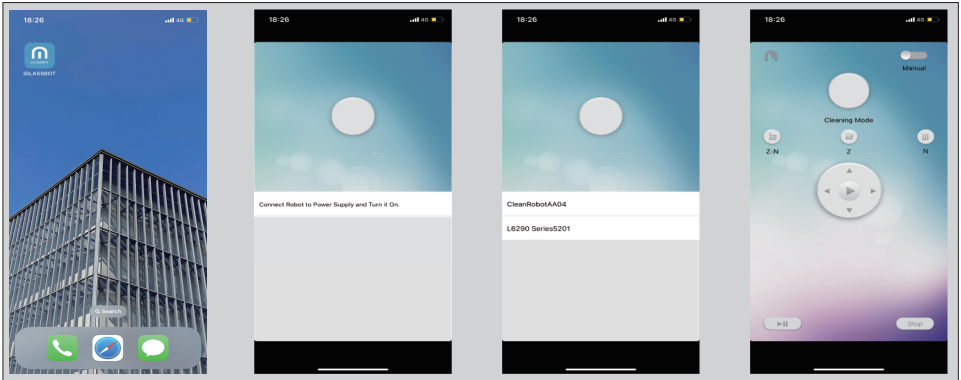


Fig. 1

Fig. 2

Fig. 3

Fig. 4

Android System:

Requires Android 4.3 or later.

1. Open the App "iGLASSBOT" as Fig. 1.
2. Turn the switch on of W120-P and put it onto glass.
3. Use the App to search W120-P, it will get the hotspot of W120-P.
4. Tap the hotspot(CleanRobot XXXX, the App will be paired with W120-P, then enter into the control panel of App as Fig. 4.
5. Use App to control the robot.

*** The interface may be different from the actual interface due to improvement, please subject to the actual products.**

Please exit the App first if you are going to connect the robot with other devices.

Maintenance

1. After each cleaning, wash the cleaning pads and dry them for future use.
2. Clean the belt with soft and damp cloth, then dry it.
3. Wipe the air inlet regularly.

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.

Product Warranty

- The W120-P 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.

Note:

Please replace the battery pack after 1 year of purchase.

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

Exclusions

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

Normal wear and gear(e.g.: cleaning cloth, safety rope, etc).

Reduction in battery discharge time due to battery age or use.

Expiration of the warranty.

Damage caused by accident, abuse or misuse.

Damage caused by force majeure.

No purchase record.

Other conditions that are not covered by the warranty.

Troubleshooting

Malfunction	Possible Causes	Solutions
W120-P gets slippery or works in irregular pattern.	1. Glass is too dirty or too wet. 2. Cleaning pad is too dirty or too wet.	1. Change cleaning pad. 2. Cleaning the driving wheels. 3. Use remote to restart it manually.
W120-P stops with blinking red indicator light.	Insufficient suction power.	1. Check if the cleaning pad is attached properly, replace it correctly. 2. Check if any crack on the glass, avoid the crack when use. 3. Check if the frames are with uneven area/rubber part, use remote or App to operate W120-P manually and keep it away from the uneven area/rubber part when cleaning.
W120-P can't be started after switched on, or works in irregular pattern.	Edge detection sensor abnormal.	1. Remove the cleaning pad and re-attach it, making sure it is placed exactly within its velcro area and does not cover the edge detection sensors. 2. Open App on your phone, connect it with the robot and find out if any RED indications on the corners of App interface (Red indications on the App interface means the edge sensor is malfunctioned). 3. Edge detection sensors failure, contact after-sales service.
Red indicator light blinks, buzzer beeps once per second.	Improper connection of power supply.	Check if the plug is connected well, or the screws of the extension cables are screwed tightly.
Both red and blue indicator blinks.	Hardware failure.	Contact after-sales service.
Remote does not work.	1. No battery inside or battery has low power in remote. 2. Remote is broken.	1. Replace the battery. 2. Replace the remote with new one.
W120-P got stuck on glass frames.	Edge detection misjudgement.	Stop W120-P first, pull the robot lightly to reachable location.
Both red and blue light on, no beeps.	W120-P is not stucked properly on glass.	Put W120-P onto glass manually, make sure it sticks properly.

The red indicators blink twice when use.	Edge sensor detects frameless glass.	It's normal if it is cleaning frameless glass. Not recommend for use on frameless glass.
Squeaky sound when use.	Glass is too dry or edge detection sensors are too dirty.	1.Spray a little water on the cleaning pads before use. 2. Clean the edge detection sensors and use again.
W120-P does not return to the starting point after cleaning.	The friction index of glass is different.	Use remote control to operate the device so as to return to reachable location.
W120-P is spinning.	The glass is clean. The window frame has cracks.	1. Please do not clean the cleaned glass. 2. W120-P is not suitable for cleaning the window glass that the frame has cracks.
W120-P does not spray when use at first time or after refill the water tank.	The water pipe is short of water at initial use.	Enter manual mode,hold and press the manual spraying button  on REMOTE to fill the water pipe until the nozzle sprays water, then use it normally.

If there is still problem with W120-P after taking the referred measures, please contact the service center for help.

Recycling of W120-P



The symbol on the product or on its package 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.

Manufacturer:

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