

Mamibot

iGLASSBOT W120-F

EN

Robot Window Cleaner

Featured Self-Water-Spraying Type

USER MANUAL

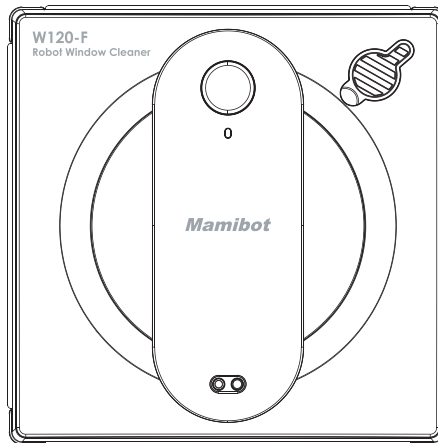
V.20210909.

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

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

If you encounter any problem not mentioned herein, please contact sales@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-F. Any operation that against the following instruction may damage the device or cause injury.

W120-F 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

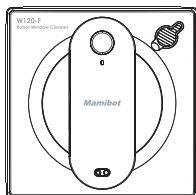
- ▲ Use only the original adapter, plug and battery. Use of other types will result in malfunction and / or danger.
- ▲ Use the proper electric outlet and make sure no heavy objects are placed on the adapter or power cord.
- ▲ Allow adequate ventilation around the adapter when using it to operate the device. Do not cover the adapter with objects that will reduce cooling.
- ▲ Always switch W120-F off before carrying out any cleaning or maintenance work.
- ▲ Do not use W120-F 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 remaining the device. Do not un-plug 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-F, 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-F, 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-F 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-F at temperature: 0 °C -40 °C (32 °F -104 °F)
- ▲ W120-F 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

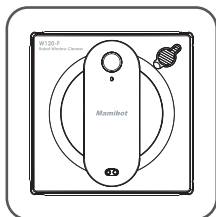
- ▲ Fasten the safety rope and tie it to indoor fixtures before using W120-F.
- ▲ Check if the safety rope and extension cable are broken or not before use.
- ▲ Set-danger warning area downstairs for no-balcony window and door.
- ▲ Battery shall be charged (Blue light is on on the robot) before use.
- ▲ Do not use it on rainy or moist days.
- ▲ Switch power on before you put device onto glass.
- ▲ Make sure W120-F can stick and stand on glass surface while put onto glass.
- ▲ Make sure to put the cleaning pad on the bottom of W120-F correctly for no leakage.
- ▲ Do not spray or pour water onto W120-F 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 2-2.5 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.
- ▲ Please turn the switch on when you are going to use the robot, so that you can check the status of indicator.

Specification

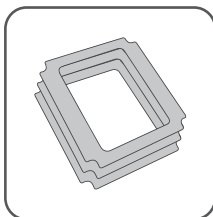


Product Model	W120-F
Size of Main Unit	232*232*81 mm
Net Weight	1.60 KG
Charger Input	100-240VAC ~ 2.5A 50/60Hz
Charger Output	24.0V  3.75A
Rated Wattage	90W
Battery Type	Rechargeable Li-ion Battery
Battery Capacity	650mAh
Rated Voltage	24V
Size of Cleaning Pads	233*233*6 mm
The Min. workable Surface	60 x 40 cm
Volume of Water Tank	150 ml
Spray Hole	8
Control	Remote Control & Physical Press
<p>※ The data 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 improvement, we reserve the right to any technical and design change without prior notice.</p>	

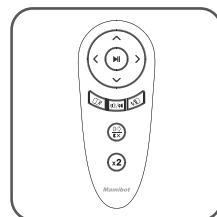
What's in the package



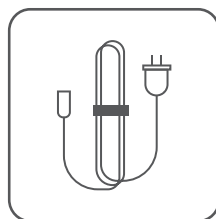
W120-F x 1pc
with Safety Rope
& extension cable



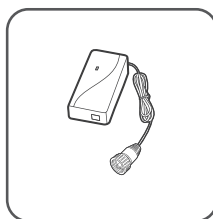
Cleaning Pads x 4pcs



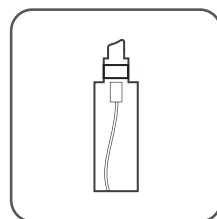
Remote Control x 1pc



AC Plug x 1pc
(with power cord)



Adapter x 1pc



Sprayer 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

Start/Pause/Continue

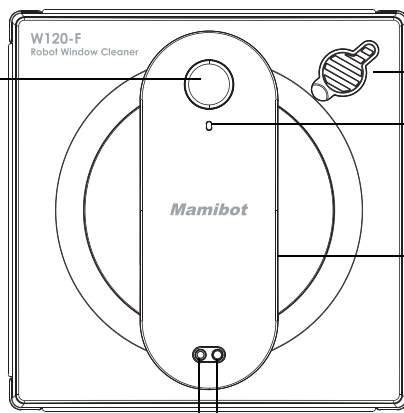
Short Press:

-start/stop/Resume

Long Press:

-to clean the wheel belt at standby (W120-F is not working on glass)

-to take the robot off from glass (W120-F is working on glass)



Water Tank Lid

LED Indicator

Red: Alarm

(See the Page14)

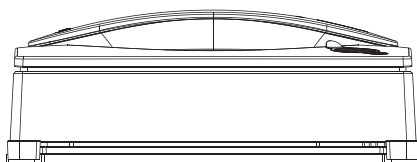
Blue: Normal

Hand Grip

Power Cord Hole

Safety Lock Hole

Top View



Side View

Anti-falling Sensor

Spray Nozzle

Velcro

Cleaning Pad

Wheel Belt

Air Inlet

Air Pressure Hole

Power Switch

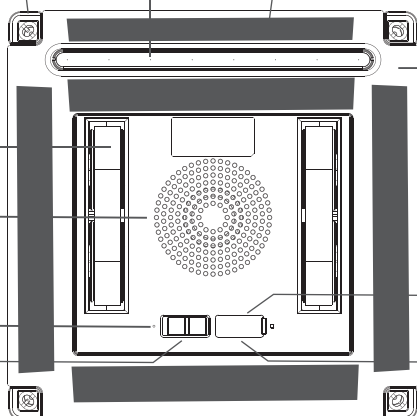
USB Port

LED Indicator

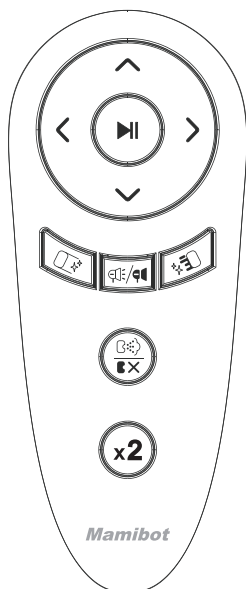
Red: Alarm

(See the Page14)

Blue: Normal



Bottom View



	Manual Move Up
	Manual Move Down
	Manual Move Left
	Manual Move Right
	Pause/Resume
	Dry Wiping Mode
	Wet Wiping Mode
	Voice On/Off
	Water Spray On/Off
	Powerful Wiping

Remote Control

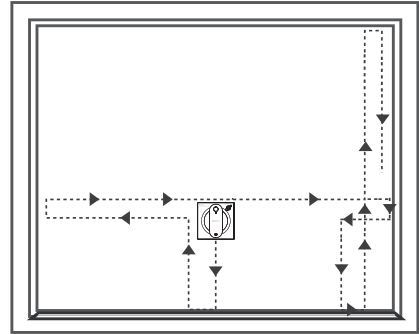
Cleaning Modes

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



Dry Wiping Mode:

Start W120-F in the center of the glass. It will detect the frame downwards first, to the left second, then to the right, after that, it will go downward, then to the upper right corner and start cleaning with "N" shaped path.



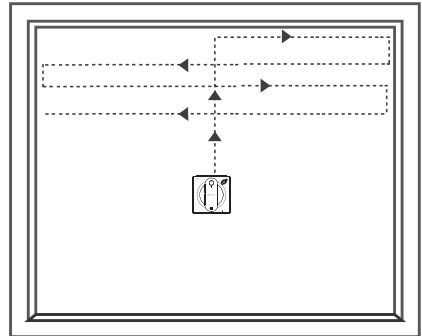
"N" Shaped Path



Wet Wiping Mode:


Start W120-F in the center of the glass. It will detect the frame downwards first, to the left second, then to the right, after that, it will go downward, then to the upper right corner and start cleaning with "N" shaped path.

W120-F will spray water (with a "Beep" sound) automatically every 10 seconds when it's cleaning on glass.




"Z" Shaped Path

Water Spray On/Off

Press the " Water Spray On/Off " button  , W120-F will enter the wet wiping mode when it is in dry wiping mode; Or W120-F will enter the dry wiping mode when it is in wet wiping mode.

Powerful Wiping

Press the button  on remote, W120-F will clean the glass surface in "N" shaped mode one time + "Z" Shaped mode one time.

Notice:

- W120-F 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

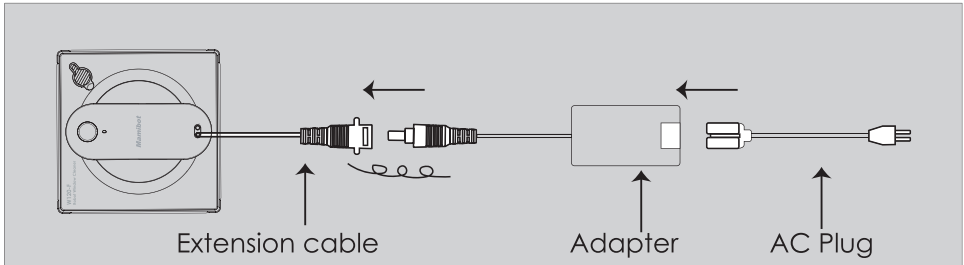
Charging

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

Charging Indicator:

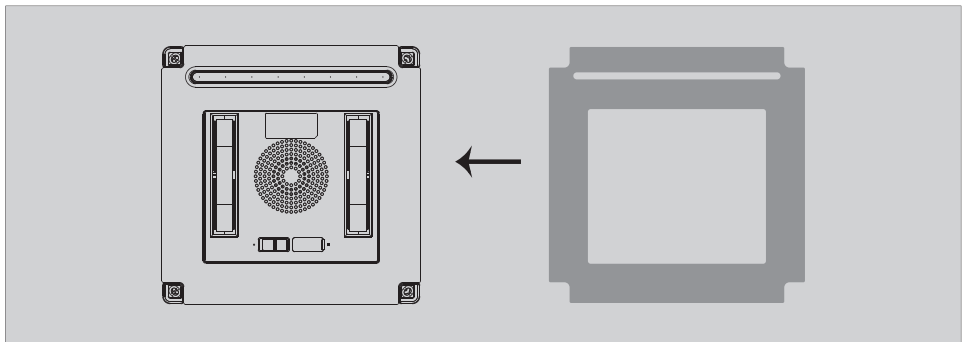
Red: Charging

Blue: Fully charged after 2-2.5hrs charging



Cleaning pad attaching

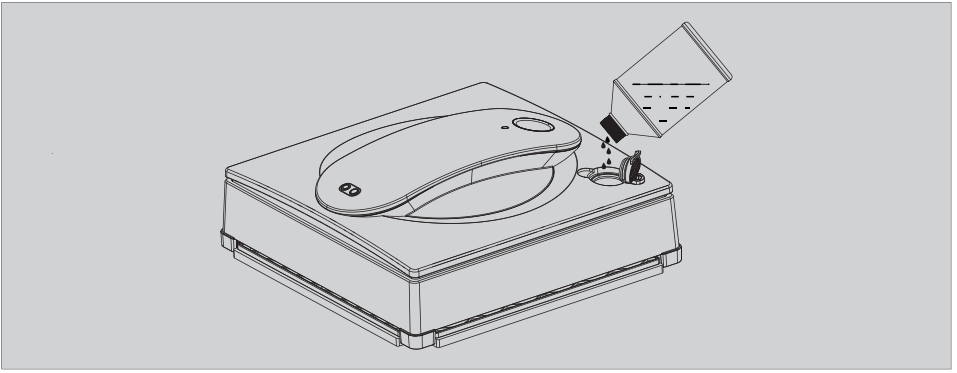
- Use the original cleaning pads, attach it to W120-F bottom properly, the cleaning pad should not cover wheel belts or anti-falling sensors.
- Please do not spray too much water on the cleaning pads when use to avoid skidding.



Fill up the water tank

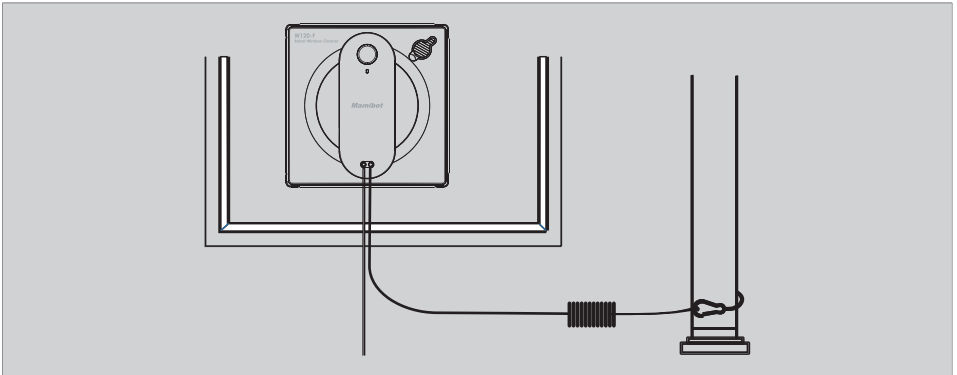
Open the water tank lid, fill up the water tank with clean water before starting it, then seal the lid.

- 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.



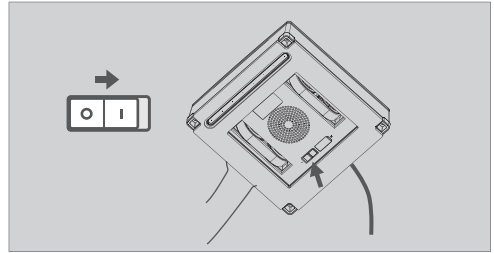
Note:

- 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-F

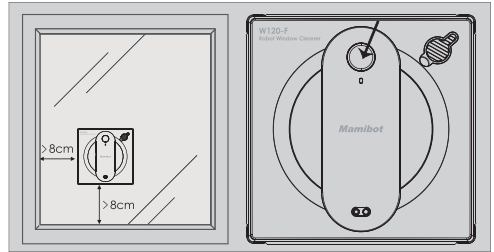
Switch on/off

Turn on the power switch on W120-F, then put it on the window glass.



Start W120-F

- 1). Make sure the edge of W120-F is 8cm or further away from window frames or corners before cleaning.
- 2). Press the Start/Pause/Resume button to start clean.



Stop/Pause/Continue

- 1). When W120-F is cleaning, press Start/Pause/Resume button on the robot to stop it.
- 2). When W120-F is cleaning, press Start/Stop/Pause button to pause it.

※ Users can also operate W120-F via remote control.

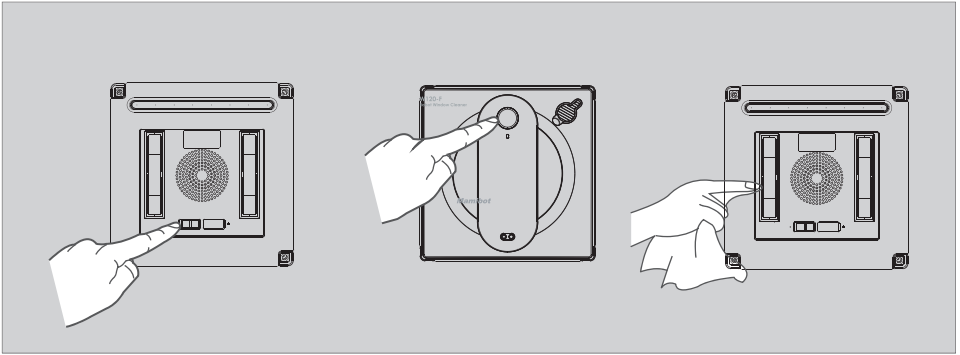
Take W120-F back after cleaning

W120-F will return to its starting point automatically after cleaning is finished. There is a voice prompt when cleaning finished.

- 1). Use remote control to move W120-F to a reachable location;
- 2). Press Start/Pause button on W120-F for 2 seconds, the robot will remind you to take it off;
- 3). Hold the hand grip, the safety rope and take it off from the window;
- 4). Clean the pads and dry it for future use.

Maintenance

1. After each cleaning, wash the cleaning pads and dry them for future use.
2. Turn on the power switch of W120-F, press and hold the start/pause/resume button on the robot, the wheel belts will rotate automatically, clean them with soft and damp cloth, then dry it(See below picture).



3. Wipe the air inlet regularly.
4. Lift the W120-F up, press the voice on/off button on the remote, W120-F will spray water automatically to clear the spray nozzle.

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

If there are defects in W120-F due to faulty material, workmanship or function within warranty period from the date of purchase or delivery, please contact local retailers or authorized dealers for repairing or replacement.

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

Indicator LED	Voice/Action	Solution
Constantly Red	Air Pressure is too low	Check if the cleaning pad attaches the robot well or not; Check if the frame and glass are normal and smooth or not.
	Please connect the adapter	Check if the adapter connected well or not; Make sure W120-F charges enough.
	N/A	Replace the cleaning pad if it can not work normally.
Red/Blue flashes cyclically	The wheels are stuck, please clean the wheels. The wheel is abnormal, please check the wheel.	Check if anything stuck on the wheels, clear it if any.
	Too little friction on the glass. Too much friction on the glass.	Check if there are any stickers or some similar attachments on the working surface. Clear the water on the glass or wheel belts. Clean the wheel belts. Do not clean the glass in rainy days.
	The gyroscope is abnormal, please restart the device. The barometer is abnormal, please restart the device. The fan motor is abnormal, please check the fan motor. The wireless module is abnormal, please restart the device(For Wireless Version). The system is abnormal, please restart the device.	Turn off the power switch and restart it. If the problem can not be solved, please contact the local customer service.
	Running against the edge.	Check and clean the infrared sensors.
	If there is still problem with W120-F after taking the referred measures, please contact the service center for help.	

Name and Content of Hazardous Substances

Component	Content of Hazardous Substances						
	Plastic Shell	PCB	Cables	Metal Parts	Adapter	Electronic Components	Rubber Components
Cadmium(Cd)	○	○	○	○	○	○	○
Lead(Pb)	○	○	○	X	○	○	○
Mercury(Hg)	○	○	○	○	○	○	○
Hexavalent Chromium (CrVI)	○	○	○	○	○	○	○
Polybrominated Biphenyls(PBB)	○	○	○	○	○	○	○
Polybrominated Diphenyl Ethers (PBDE)	○	○	○	○	○	○	○
Bis(2-ethylhexyl) Phthalate(DEHP)	○	○	○	○	○	○	○
Butyl Benzyl Phthalate (BBP)	○	○	○	○	○	○	○
Dibutyl Phthalate (DBP)	○	○	○	○	○	○	○
Diisobutyl Phthalate (DIBP)	○	○	○	○	○	○	○

The time of the components for environment protection concern is 10 years.
The time is valid under the use conditions of this manual.

○: It indicates that the content of the hazardous substances in all homogeneous materials of the components is in compliance with the council RoHS 2 Directive (EU) 2015/863 and (EU) 2017/2102 amending Annex II to Directive 2011/65/EU.

X: It indicates that the content of the hazardous substances in all homogeneous materials of the components is the exempt item according to the council RoHS 2 Directive (EU) 2015/863 and (EU) 2017/2102 amending Annex II to Directive 2011/65/EU.

Recycling of W120-F



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 meets the stand of the Council Directive 2014/30/EU, 2014/35/EU.

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

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