

# ROBOTIC VACUUM CLEANER



## BG950 Max

---

# Instruction Manual

---

Please keep this user manual in your sight  
read it thoroughly and carefully before using this product.



# Table of Contents

## 1. Important Safety Instructions

|   |   |
|---|---|
| 1.1 Safety Advice and Warnings.....         | 1 |
| 1.2 Battery and Charging / Information..... | 3 |

## 3. Installation and Operation

|                                   |   |
|-----------------------------------|---|
| 3 Installation and Operation..... | 8 |
|-----------------------------------|---|

## 5. Manually Operating the Robot

|  |    |
|--|----|
| 5.1 Use the Boundary Strip.....                                | 10 |
| 5.2 Use Your Robot with Amazon Alexa/the Google Assistant..... | 11 |

## 7. Troubleshooting

|                                     |    |
|-------------------------------------|----|
| 7.1 Error Tones.....                | 21 |
| 7.2 Frequently asked questions..... | 22 |

## 9. FCC Statement

|                      |    |
|----------------------|----|
| 9 FCC Statement..... | 24 |
|----------------------|----|

## 2. About Your Robot

|                                     |   |
|-------------------------------------|---|
| 2.1 Package contents.....           | 4 |
| 2.2 Main Body Parts.....            | 5 |
| 2.3 Automatic Dirt Disposal.....    | 6 |
| 2.4 Dust Bin and Suction Inlet..... | 7 |

## 4. App Installation, and Operating the Robot

|  |   |
|--|---|
| 4.1 Use Your Robot with the Bagotte App..... | 9 |
|--|---|

## 6. Maintenance and Care

|   |    |
|---|----|
| 6.1 Replace Dust Bag.....                         | 13 |
| 6.2 Clean Dust Channels.....                      | 14 |
| 6.3 Clean Infrared Len/Charging Contact Head..... | 15 |
| 6.4 Clean the Fan's filter.....                   | 15 |
| 6.5 Clean the Main Brush.....                     | 16 |
| 6.6 Clean/Replace Side Brushes.....               | 17 |
| 6.7 Clean Sensors.....                            | 17 |
| 6.8 Battery Maintenance.....                      | 17 |
| 6.9 Clean Dust Bin.....                           | 18 |
| 6.10 Cleaning the 2-in-1 water tank.....          | 19 |
| 6.11 Mop Cloth Mount Maintenance.....             | 20 |

## 8. Specifications

|                        |    |
|------------------------|----|
| 8. Specifications..... | 23 |
|------------------------|----|

## 10. IC Warning

|                     |    |
|---------------------|----|
| 10. IC Warning..... | 25 |
|---------------------|----|





# 1. Important Safety Instructions



## BG950 Max Robot Vacuum Cleaner

Dear customer:

We are deeply honored that you chose our products and would like to thank you for your purchase. Our products includes the latest technology in the market, allowing our products to offer you Efficiency, Easy Operation and Long Lasting Service when you use it. Also we made sure the design of our products is cool and the maintenance easy to make your life way simpler. Read these instructions carefully before using our robot vacuum cleaner and keep this manual for further reference. Failure to follow these instructions could lead to product failure or harm.

### 1.1 Safety Advice and Warnings

- This device is not intended for use by people (including children) with reduced physical, sensory or mental capacities, or people without experience or knowledge, unless they have benefited from surveillance or prior instructions regarding the use of the device by a person responsible for their safety.
- Cleaning and maintenance shall not be performed by children without adult supervision.
- This appliance is not a toy. Children should be supervised to ensure that they do not play with the appliance.
- This appliance contains accessories with rotary parts. Loose clothes, jewellery or long hair can be caught in moving parts. Dress properly. Do not wear baggy or loosehanging clothes or accessories. Keep your hair, clothing and gloves away from moving parts.
- This product is designed to be plugged into a standard outlet only. Product may not be used with any type of power converter. Use of power converters will immediately void the warranty.
- **CAUTION:** Only use Bagotte Max 14.8V Max 3200mAh Ni-MH or Max 3200mAh Li-ion Battery. Other type of batteries might cause bursting and therefore injuries. Always contact Bagotte Customer Service to receive the best advice and the best service event for the replacement of your battery.
- Always charge and remove the battery from your robot and accessories before long-term storage or transportation.
- The battery must be removed from this device before this device is disposed.

-  **WARNING Chemical Exposure:** If the battery pack is leaking, do not let the liquid to come in contact with skin or eyes. If the liquid reached the skin or the eyes, wash the affected area with loads of water and contact your medical adviser. Place the battery (the used battery pack included when the robot will be disposed) in a sealed plastic bag and dispose of safely according to local environmental regulation.
-  **WARNING Fire or Explosion Hazard:** Do not crush or dismantle battery packs. Do not heat or place the battery pack near any heat source or direct sunlight. Do not incinerate or short-circuit the battery pack. Do not subject batteries to mechanical shock.
- Contact your local waste management authority for battery recycling and disposal regulations in your area.
- This device is designed for indoor use only, please do not use it outdoor or under strong light environment.
- Do not use non-rechargeable batteries. Use only the rechargeable battery supplied with the product.
- Store and operate the device in room temperature environments only.
- The external flexible cable or cord of the power supply unit cannot be replaced; if the cord is damaged, the power supply unit shall be disposed of.
- Do not use robot to pick up sharp objects, glass, or anything that is burning or smoking.
- Do not immerse the battery pack in any liquid.
- Do not use this device to pick up spills of water bleach, paint, or other chemicals, or anything wet.
- Before using our robot vacuum cleaner, make sure that the floor is cleared of objects like clothes, papers, curtain strings or power lines. If such objects come in contact with the vacuum cleaner, the central may swallow it and block the robot.
- If the room to be cleaned contains a balcony, a physical barrier should be used to prevent access to the balcony and ensure safe operation.
- Do not place anything on top of this device.
- Be aware that this device moves around on its own. Take care when walking in the area where this device is operating to avoid stepping on it.
- Do not operate this device in areas with exposed electrical outlets on the floor.
- Do not use this device on an unfinished, unsealed, waxed or rough floor. It may result in damage to the floor and this device. Use only on hard floor surfaces or low-pile carpet.
- This device has been designed to be used on floors without scratching them. We still recommend that you test this device on a small area of the room to be cleaned to ensure no scratches are made before cleaning the whole room.

## 1.2 Battery and Charging / Information

### Lithium-ion Battery

Important: Lithium-ion batteries and products that contain Lithium-ion are subject to stringent transportation regulations. If you need to ship this product (with the battery included) for service, travel or any other reason, you **MUST** comply with the following shipping instructions:

- Remove the Lithium-ion battery from the product.
- Place a Piece of tape over the battery 's metal charging contacts.
- Reinstall the battery (with the tape on it) in the product and secure the battery door.
- Package the product in its original packaging or in your own packaging that prevents any movement during transportation.
- Ship via ground transportation only (no air shipping).

### Battery Storage

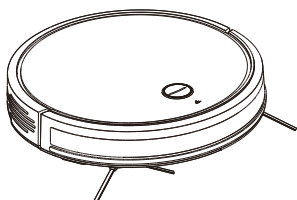
If storing robot off the Charging Base, remove the battery first. Then store the robot and the battery in a cool, dry place.



The symbol on this product or its packaging indicates that this device cannot be disposed as unsorted municipal waste. To dispose of such device, you need to use separate collection facilities. Contact your local authority for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps hazardous substances can leak into the groundwater and get into the food Chain, damaging your health and well-being. Please contact your local or regional waste authority for more information on collection, reuse and recycling programs.

## 2. About Your Robot

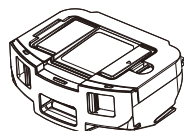
### 2.1 Package contents



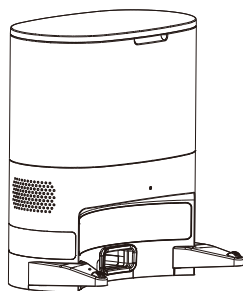
Robot



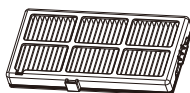
Two-in-one Water Tank



Dust Cabin



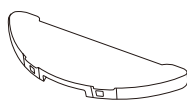
Station



Filter Mount



User Manual



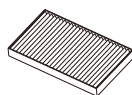
Mop Cloth Mount



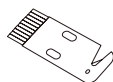
Washable Mop Cloth



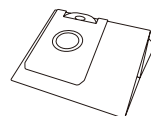
Remote Control  
(AAA Battery x 2)



Filter

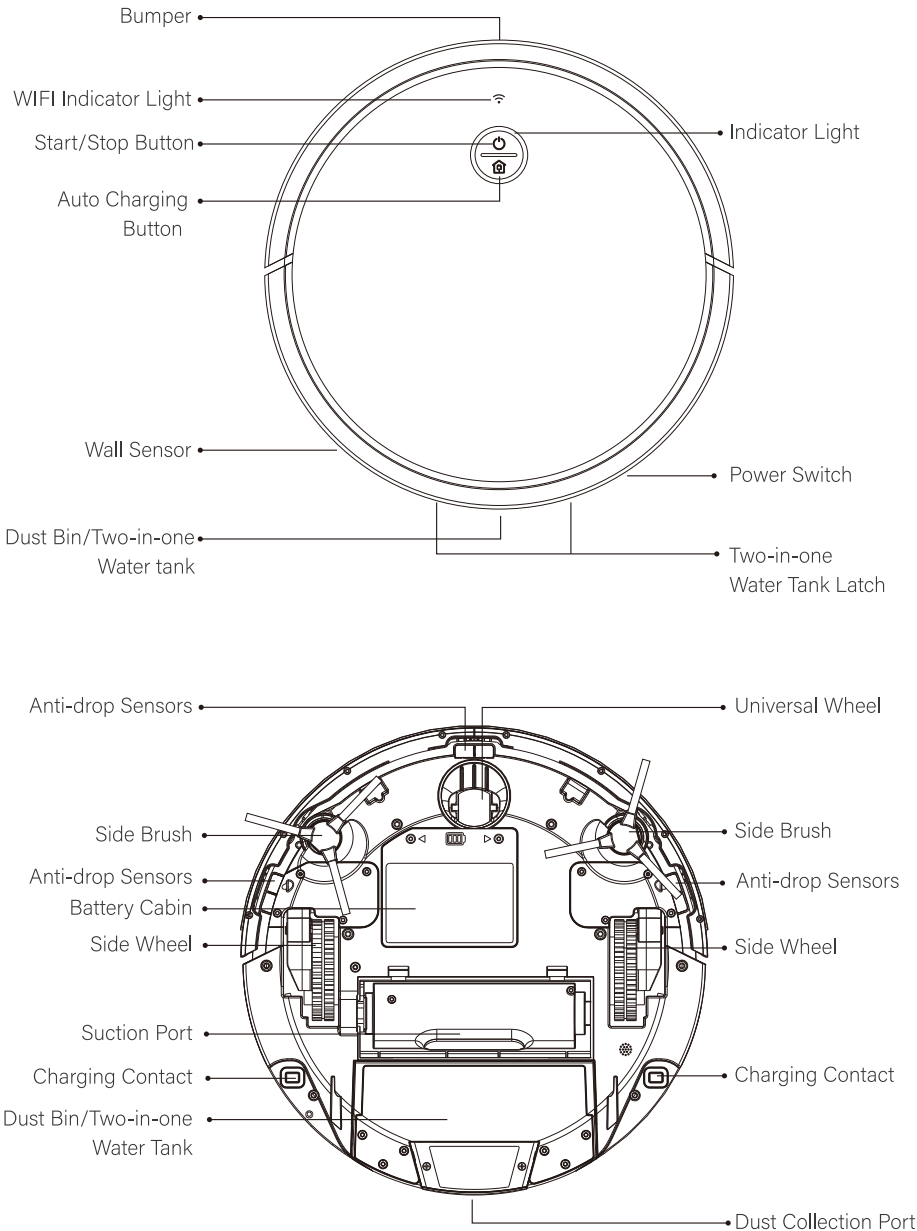


Cleaning Tool




Dust Bag

## 2.2 Main Body Parts



 Short press to start cleaning or pause the robot.

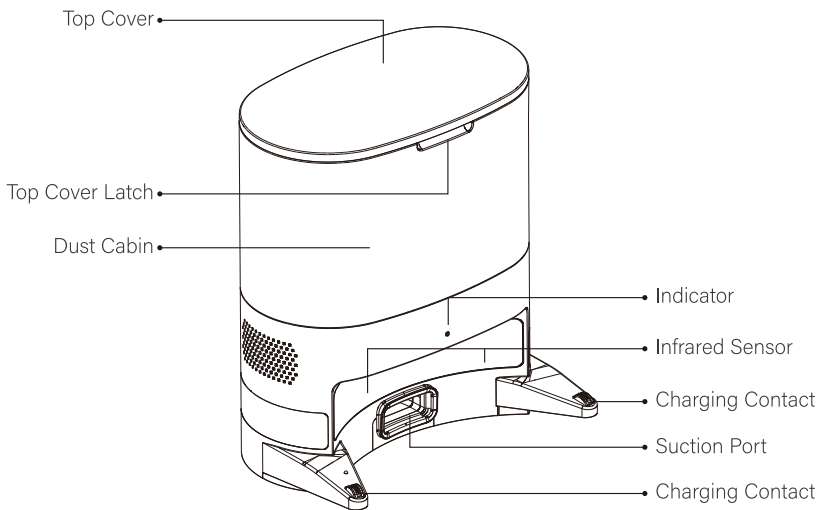
 Short press to return to the station for charging.

### Indicator

| Status    | WIFI Not Connected      | WIFI Connected | Working     | Low Power    | Charging        | Low Battery  | Fully Charge | Error               | Standby |
|-----------|-------------------------|----------------|-------------|--------------|-----------------|--------------|--------------|---------------------|---------|
| Indicator | WIFI indicator blinking | WIFI indicator | Solid Green | Solid Orange | Flashing Orange | Solid Orange | Solid Green  | Red Solid /Flashing | Off     |

## 2.3 Automatic Dirt Disposal

Noth: Station has a dust bag installed already

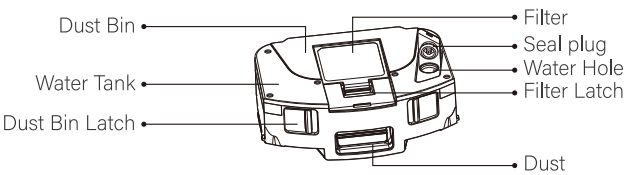


### Station Indicator Status

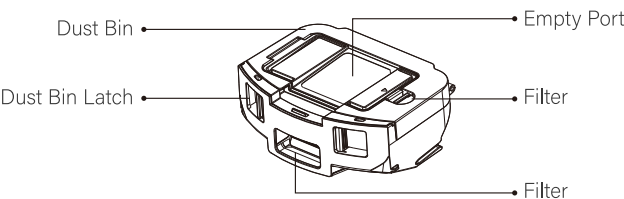
|                 |                 |
|-----------------|-----------------|
| Power On        | Solid White     |
| Dust Collecting | Breathing White |
| Charging        | OFF             |
| Error           | Solid Orange    |

## 2.4 Dust Bin and Suction Inlet

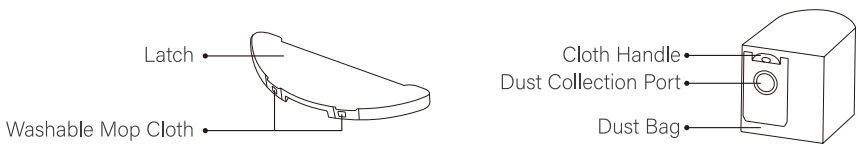
### 1. Two-in-one Water Tank



### 2. Dust Box



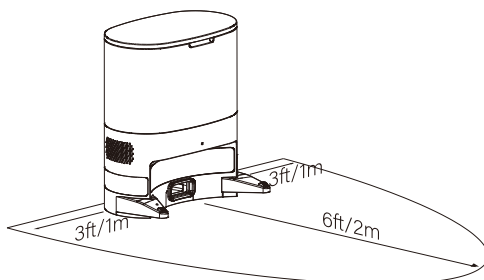
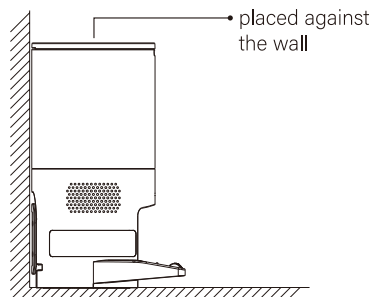
### 3. Mop Cloth Mount



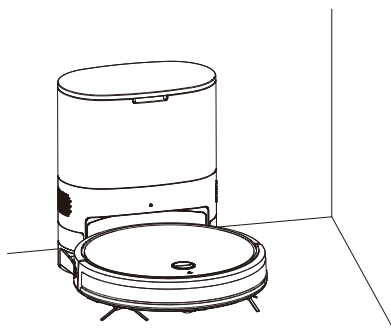
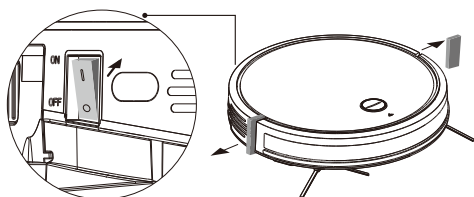
**Note:** Please check the accessories according to your product version. If you need buy other accessories and consumable supplies, please purchase in the official store.

### 3. Installation and Operation

- 1 After taking out the product and accessories from the package, place the station on a level surface against a wall and plug the cord to an electric socket that meet the electric requirements.
- 2 Allow at least 3ft/1m of clearance on each side, and more than 6ft/2m in front of the station.



- 3 Place the robot on a level surface indoor, turn the power switch to "on" , and take off the protection bars on each side of the bumper.
- 4 Charging the robot before it starts working. Press the "ON" button to start the robot, and short press "" button to return the robot for automatically charging. Use the robot for cleaning after fully charged.





## 4. App Installation , and Operating the Robot

### 4.1 Use Your Robot with the Bagotte App

To enjoy all available features, it is recommended to control your robot via the Bagotte App.

**Before you start, make sure that:**

- Your smartphone or tablet is connected to a Wi-Fi network.
- Your smartphone or tablet is running with iOS 11.0 (or above) or Android 6.0 (or above).
- The 2,4 GHz band wireless signal is enabled on your wireless router.
- The Wi-Fi status light on robot is slowly flashing blue.
- The robot is connected to the Charging Base to ensure it has enough power during setup.



1. Download the Bagotte App from the App Store (iOS devices) or Google Play (Android devices).
2. Open the app and create a user account.
3. Tap the "+" icon to add RoboVac to your Bagotte account.
4. Follow the instructions in the app set up the Wi-Fi connection.
  - After connecting successfully, you can control robot via the app.
  - With the app, you can select a cleaning mode, set the time, schedule a cleaning, view the system status, receive notifications and access additional features.

## 5. Manually Operating the Robot

### 1. Start/Pause/Standby

Short press "⏻" button to power on the robot, and the robot will work in the auto mode. Press "⏻" again to pause the robot. Press and hold "⏻" button for 3second to turn the robot to the standby status.

### 2. Return to charge/Dust Collecting

Short press "🏠" button to return the robot to the station for charging. If the robot is charging at the station, short press "🏠" button to conduct dust collection automatically.

### 3. Power ON/OFF

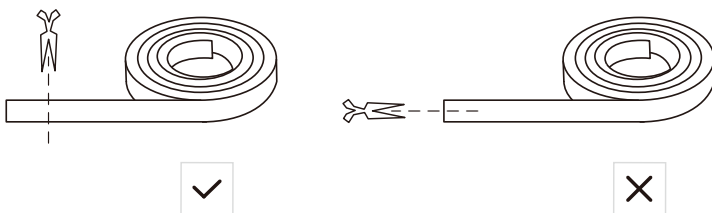
Find power ON/OFF button on the robot according to instructions

## 5.1 Use the Boundary Strip

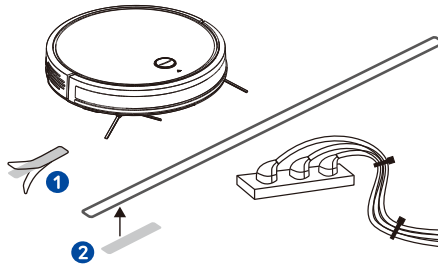
With the Boundary Strip, you can keep robot away from any area or item you do not want robot to clean.

The robot will recognize the boundary strip and will not cross the strip.

1. Identify the area or item you do not want robot to get close to.
2. If necessary, use scissors to cut the Boundary Strip to a shorter length. Make sure to measure correctly the length of the strip you need before cutting.



3. Apply the supplied strips of adhesive tape to lay the Boundary Strip flat on the floor. Make sure the strip is placed FLAT on the floor or under an area rug.



- If the Boundary Strip is rolled up, remove and then re-apply on the floor with adhesive tape. Otherwise the Boundary Strip may not work well.
- Make sure the Boundary Strip is placed on the same surface plane robot is used on.
- Be careful not to damage the floor when using adhesive tape. It is not recommended for use on carpets.
- Keep the Boundary Strip away from objects that emit excessive heat.


## 5.2 Use Your Robot with Amazon Alexa/the Google Assistant

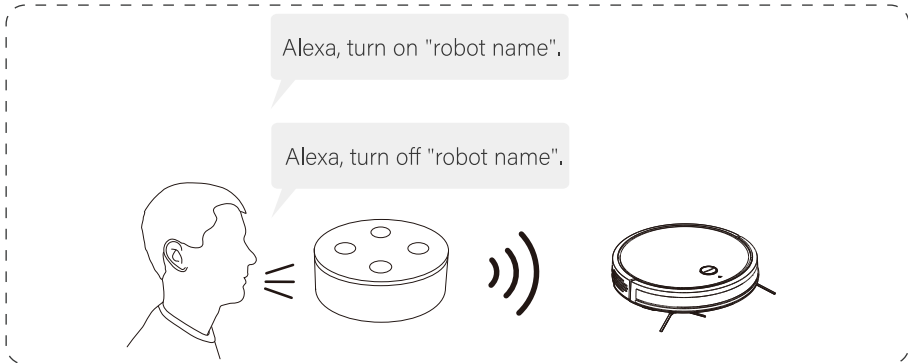
Amazon Alexa or the Google Assistant is a smart voice control device that enables you to control robot with your voice.

**Before you start, make sure that:**

- The robot is connected to the Charging Base to ensure there is enough power.
- The robot is connected with the Bagotte app.
- You have an Alexa-enabled device (i.e. Amazon Echo, Echo Dot and Amazon Tap, Echo Show, Echo Spot) or a device enabled with the Google Assistant (i.e. Google Home, Google Home Mini). These devices are sold separately.
- The Amazon Alexa app or Google Home app is already installed on your smart device, and you have created an account.

## To control Robot with Amazon Alexa

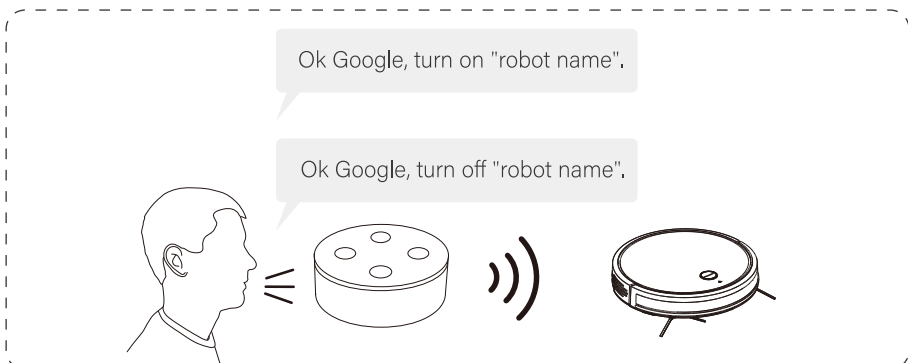
- Open the Amazon Alexa app and select "Skills & Game" from the  menu.
- On the **Skills** screen, search for "Bagotte Home".
- Once you have found the "Bagotte Home" skill, tap **Enable**.
- Login with your Bagotte account so that Alexa can control your robot.
- Say simple commands to Alexa.



## To control the robot with the Google Assistant

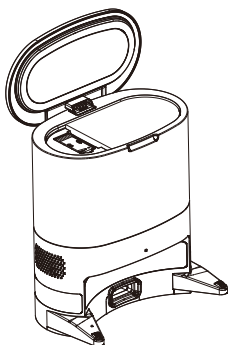
The robot now works with the Google Assistant on devices like the Google Home.

- Open the Google Home app.
- Say "Ok Google, talk to Robot" to the Google Assistant-enabled device to initiate the Google action for Robot.
- Follow the instructions in the Google Home app to authorize the Google Assistant with your Bagotte App account.
- To control Robot with your voice, say simple commands to Google Assistant.

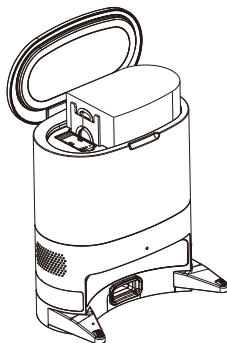


## 6. Maintenance and Care

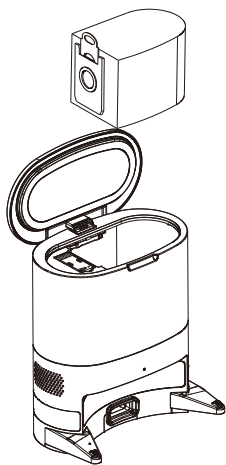
### 6.1 Replace Dust Bag



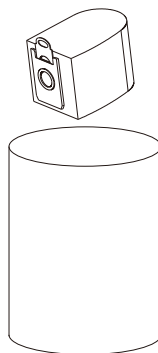
1. Power off the station and open the top cover.



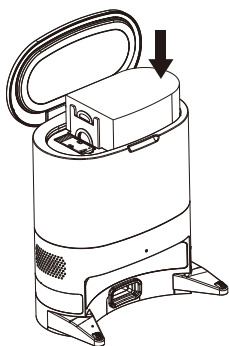
2. Pull the dust bag handle upward.



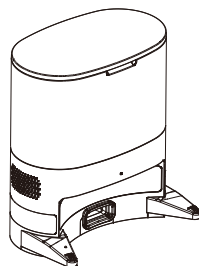
3. Take out the dust bag from the dust collection cabin.



4. Dispose the used dust bag in a trash.



5. Install a new dust bag into the dust collection cabin and guarantee the dust bag handle at the closed status.



6. Close the top cover and power on.

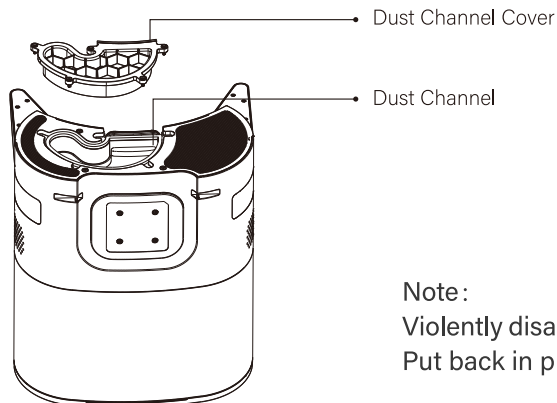
#### Note:

Dust bag is consumable supplies. Replace new dust bag according to actual situation. Purchasing new dust bags from official sale channels before running out is advised.

## 6.2 Clean Dust Channels

If the station's indicator is still solid orange after replacing a new dust bag, It's advised to unplug the cord and reverse the station to check if there are any blocks in the dust channel.

If the dust channels are blocked, see the blow figure for reference, use a screw-driver to unscrew the dust channel cover to clean the blocks.

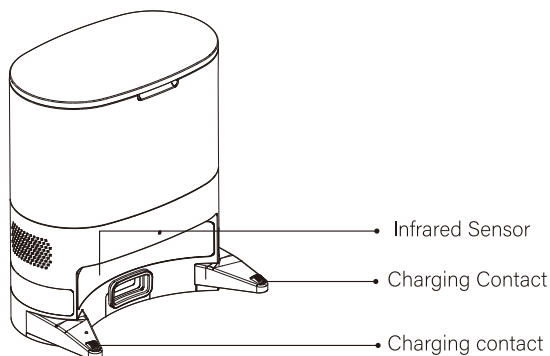


#### Note:

Violently disassemble is prohibited.  
Put back in place after cleaning.

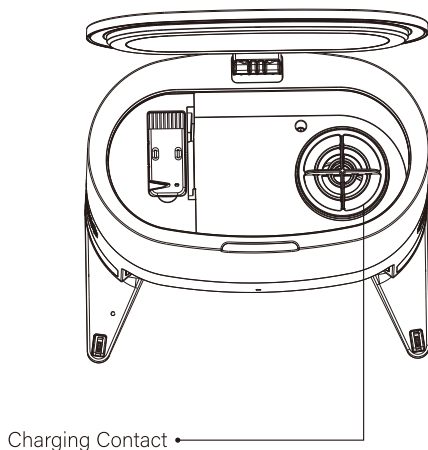
## 6.3 Clean Infrared Len/Charging Contact Head

Clean the infrared lens and charging contact head with soft and cleaning dry cloth regularly. Monthly cleaning is advised.



## 6.4 Clean the Fan's filter

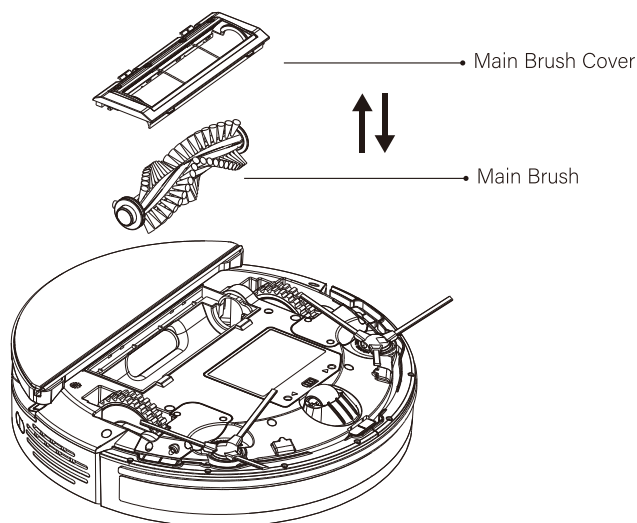
If there are any dust and lint under the dust bag, clean them with soft and cleaning dry cloth. Monthly cleaning is advised.



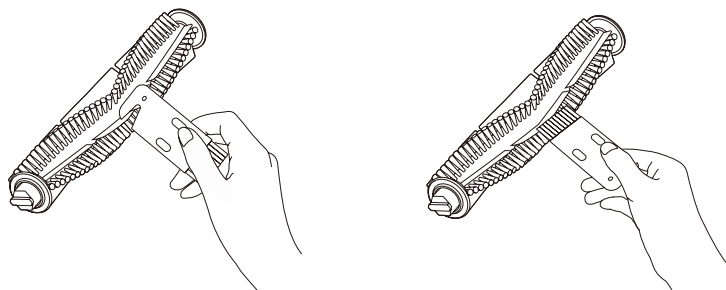
## 6.5 Clean the Main Brush

Main brush is consumable supply that needs cleaning once a week at least. Replacing the main brush every 6-12 months is advised to guarantee the cleaning effect.

Turn over the robot, press the main brush latch to take off the main brush.



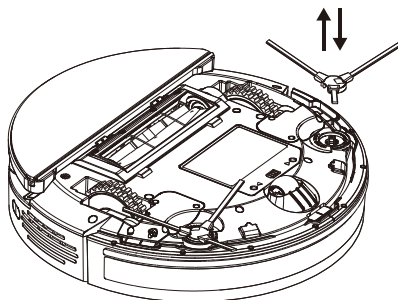
Use the cleaning tool to cut the tangled hair around the main brush, and use the other end of the cleaning tool to clean the trash attached on the main brush. Put the main brush back to the robot after cleaning.





## 6.6 Clean/Replace Side Brushes

Side Brushes are consumable supplies. It's advised to replace them every 3-6 months to guarantee the cleaning effect. Turn over the robot to slightly take off the side brush, and then install the new side brushes.



## 6.7 Clean Sensors

It's advised to clean each sensor with soft and cleaning dry cloth to guarantee the robot working normally.

See the location of each sensor in the Product Introduction part.

## 6.8 Battery Maintenance

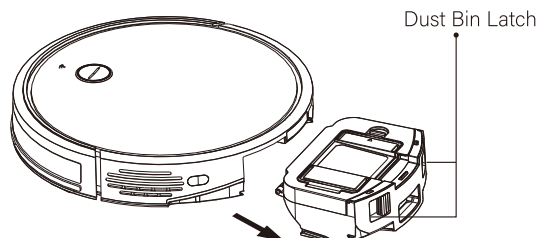
The robot has inserted high-performance lithium battery packs and to maintain the battery's performance, please keep it charged at a daily basis.

If placing the robot into storage, charge it fully and turn it off before placing it in a cool dry place.

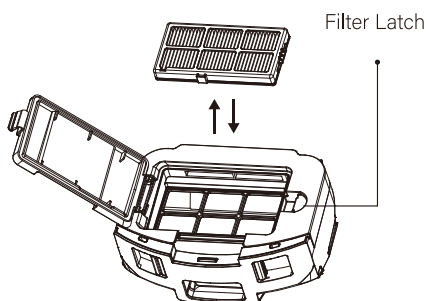
Recharge it at least every three months to prevent the battery over discharging.

## 6.9 Clean Dust Bin

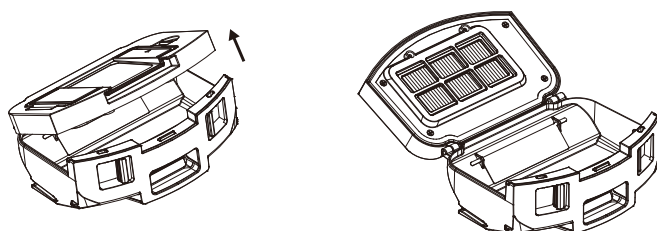
Take off the dust bin from the robot, open the filter latch, clean the dust bin.



Take off the filter to clean the trash and dust. The filter kit is consumable supply and replace it according to actual use. Put it in place after cleaning.

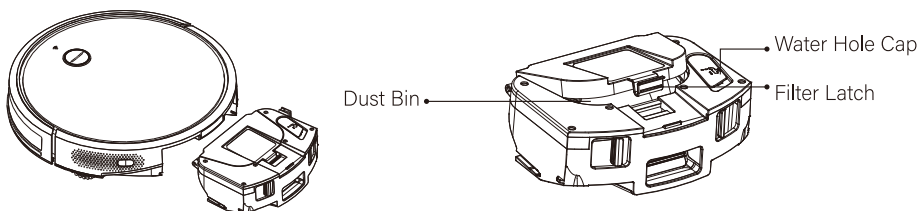


Take off the filter to clean the trash and dust. The filter kit is consumable supply and replace it according to actual use. Put it in place after cleaning.



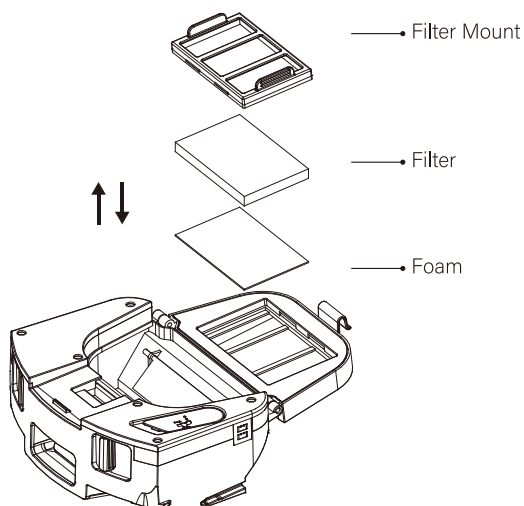
## 6.10 Cleaning the 2-in-1 water tank

Remove the 2-in-1 water tank from the robot, turn on the filter button, clean the dust bin, and throw the trash from the bin into the trash.

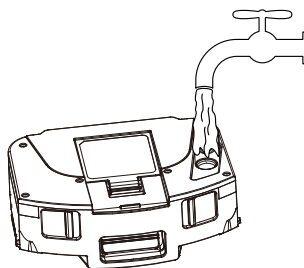


After cleaning the water tank, users can decide to whether to clean the filter&-foam or not. If they need to clean, please see the below figures for reference. Take off the mount, filter, foam, and use the cleaning tool to clean them. Put them in place after cleaning, or replace a new filter and form.

Filter and foam are consumable supplies. Purchasing the supplies from official channels is advised. e dust bin.

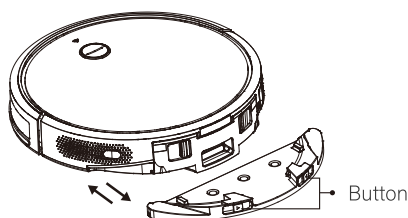


Open the water hole cover when you need to add water, add appropriate amount of water, close the cap. Do not mix any detergents in the water.

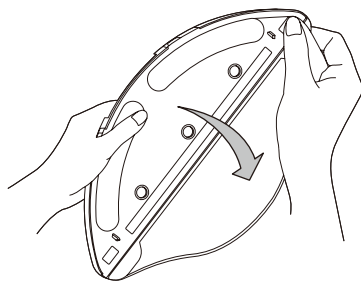


## 6.11 Mop Cloth Mount Maintenance

See the figure below for reference. Take off the mount by press the latch. Put it in place according to the original direction after cleaning or replace mop cloth.



Washable mop cloth and disposable mop cloth are both consumable supplies. It is advised to wash the cloth after every cleaning and replace new a new cloth every 3-6 months. If it is a disposable cloth, it shall be replaced after every use.



Note:

It is necessary to take off the cloth for cleaning.  
It is prohibited to clean the cloth on the mount.

# 7. Troubleshooting

## 7.1 Error Tones

When robot is in trouble, it will emit a series of short or long beeps and the red indicator on robot will be solid or flashing.

### Flashing red indicator light

| Alert                  | Possible Causes           | Triggered Condition                                  |
|------------------------|---------------------------|--|
| Solid Red + 1 Beep     | Side brush error          | The side brush gets stuck                            |
| Solid Red + 2 Beeps    | Side brush error          | The side brush gets stuck                            |
| Solid Red + 3 Beeps    | Fan error                 | Low fan speed in normal operation                    |
| Solid Red + 4 Beeps    | Main brush error          | The main brush gets stuck                            |
| Flashing Red +1 Beep   | Dust bin error            | No dust bin installed                                |
| Flashing Red + 2 Beeps | Collision error           | Front and rear collisions are continuously triggered |
| Flashing Red + 3 Beeps | Ground detection error    | Robot tilted   |
| Flashing Red + 4 Beeps | Battery error             | Low battery, less than 10%                           |
| Flashing Red + 5 Beeps | Geomagnetic sensors error | Geomagnetic sensors are continuously triggered       |

## 7.2 Frequently asked questions

If an error occurs while the robot is cleaning, the indicator is blinking red. See the below table for troubleshooting some errors.

| Malfunction   | Possible Cause   | Solution  |
|---|--|---|
| Main Brush Error  | Main brush stuck   | Clean the main brush, or move the robot to check if there are blocks  |
| Side Brush Error  | Side brush stuck   | Clean the side brush, or move the robot to check if there are blocks  |
| Unable to Power ON  | Low battery level or the surrounding temperature is abnormal   | Low battery level, and please charge first. Use the product in the environment from 0 C ~40 C   |
| Unable to Charge  | The return-to-charge sensor is blurred   | Clean the sensors of the robot and the station and try it again   |
| Fail to Collect Dust                                      | The dust bag is full or blocked  | Replace a dust bag, clean the station's suction port, dust channel, fan, etc. in time   |
| The mop cloth mount emit no water or few amount of water. | Water is not enough, or the mop cloth is too dirty, or the mop cloth mount isn't installed correctly | Check the water tank if it is empty; Wash the mop cloth; Install the mop cloth according to the instruction; Check if there are any blocks at the water outlet hole, and use freshwater |

# 8 Specifications

|                      |                            |                     |
|----------------------|----------------------------|---------------------|
| Robot Vacuum Cleaner | Product Model              | BG950 Max           |
|                      | Input                      | 19 V $\equiv$ 0.6 A |
|                      | Battery Voltage            | 14.8 V              |
|                      | Power Consumption          | 32 W                |
|                      | Battery Capacity           | Li-ion 3200 mAh     |
|                      | Dust Collector Capacity    | 220 mL              |
|                      | Water Box Capacity         | 180 mL              |
|                      | Max Cleaning Time          | 150 mins            |
|                      | Charging Time              | 300-360 mins        |
|                      | Frequency band             | 2400-2483.5MHz      |
|                      | Maximum transmission power | $\leq$ 20dBm        |
|                      |                            |                     |

|                         |                              |                     |
|-------------------------|------------------------------|---------------------|
| Automatic Dirt Disposal | Product Model                | BG950 Max-DC01      |
|                         | Rated Voltage/Frequency (US) | 120V ~ 50/60Hz      |
|                         | Rated Voltage/Frequency (UK) | 220-240V ~ 50/60Hz  |
|                         | Rated Power                  | 700W                |
|                         | Output                       | 19 V $\equiv$ 0.6 A |

## 9 FCC Statement

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

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.

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.



## 10 IC Warning

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

RF warning statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) L'appareil ne doit pas produire de brouillage;
- (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement

Avertissement RF:

Cet appareil est conforme à IC l'exposition aux rayonnements limites fixées pour un environnement non contrôlé. Cet appareil doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps. Cet transmetteur ne doit pas être co-situé ou opérant en liaison avec toute autre antenne ou transmetteur.







CREATE MORE

## CUSTOMER SUPPORT

US/CA Customer Service: +1-(855)-993-9939 | Mon-Fri 9AM-5PM (PST)

EU/UK Customer Service: +44 20 3966 0097 | Mon-Fri 9AM-5PM(GMT)

Email: [support@bagotte.com](mailto:support@bagotte.com)



@BagotteOfficial



@BagotteOfficial

Get more tips: [bagottelife.com/pages/blog](https://bagottelife.com/pages/blog)

## DOC

Learn more about the UK Declaration of Conformity, Please click below link to download:

<https://www.bagotte.com/upload/doc/BG950 Max-DOC-UK.pdf>

Learn more about the EU Declaration of Conformity Please click below link to download:

<https://www.bagotte.com/upload/doc/BG950 Max-DOC-EN.pdf>

Erfahren Sie mehr über die EU-Konformitätserklärung. Klicken Sie zum Herunterladen auf den folgenden Link: <https://www.bagotte.com/upload/doc/BG950 Max-DOC-DE.pdf>



Made in China

**BG950 Max**  
ROBOTIC  
VACUUM  
CLEANER