



**Green Lion**  
**SMART ROBOT  
VACUUM PRO**

SKU: GNRBVACP50BK

Model No: GL-SR50

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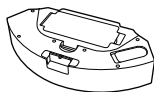
## Package Contents



Robot Vacuum Cleaner



Auto-empty dock



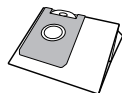
2in1 Dustbin & water tank



Side Brush



High-efficiency filter + sponge



Dust bag



Cleaning Brush

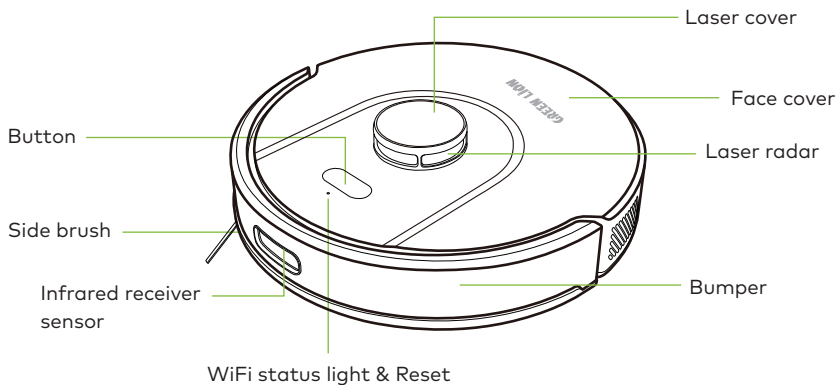


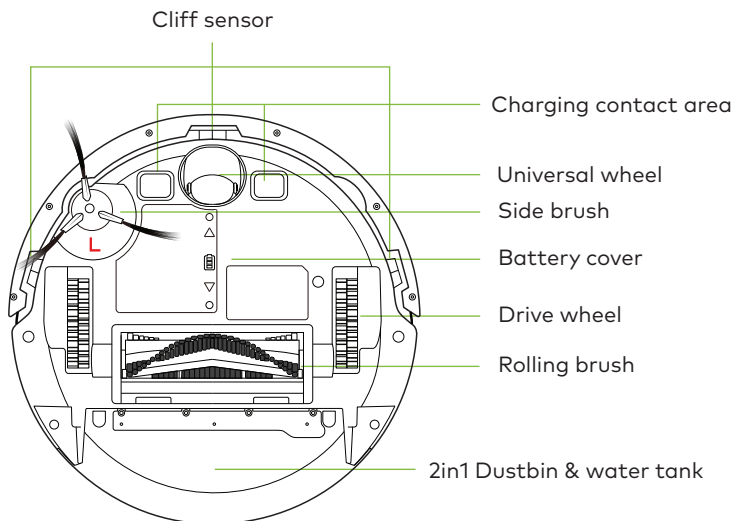
Mop holder






Mop

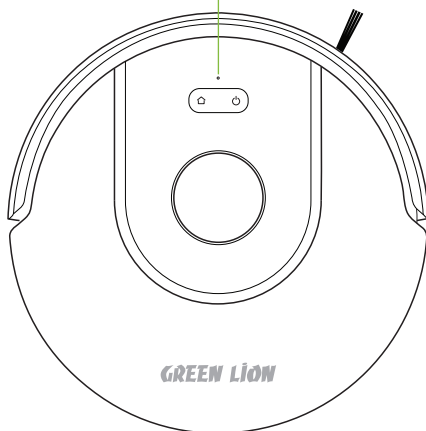
## Schematic View



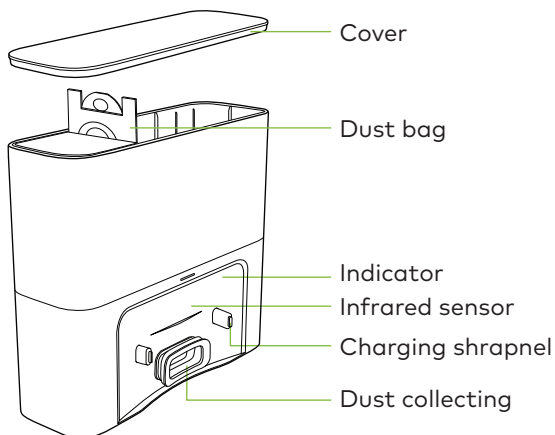
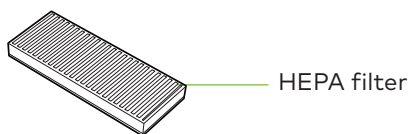
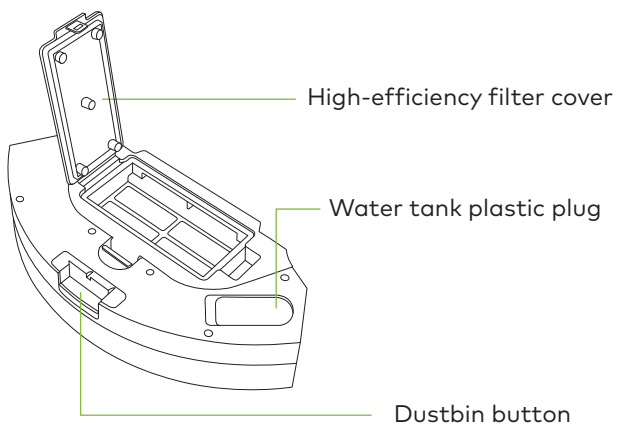


## Indicator Button Guide

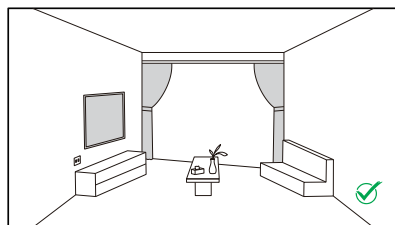
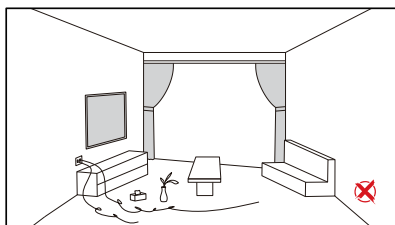
-  **WiFi Status Light**
  - Off: WiFi is not connected.
  - Flashing Light: WiFi is connecting.
  - Solid Light: WiFi is connected.
-  **Recharge/Pause**
  - Press to recharge or pause.
-  **Power/Clean/Pause**
  - 1. Press to start cleaning or pause.
  - 2. Press and hold for 3 seconds to power on or off.



## Dustbin and Auto Empty Dock Overview

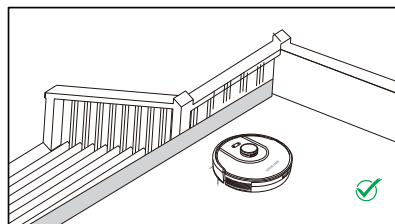
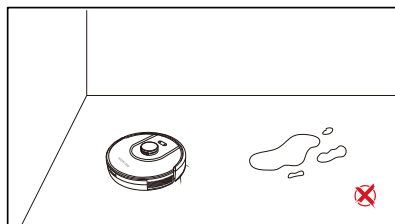


## Precautions for Use



Before starting the vacuum cleaner, clear any wires and objects from the floor. Remove fragile, valuable, or potentially dangerous items to prevent accidents.

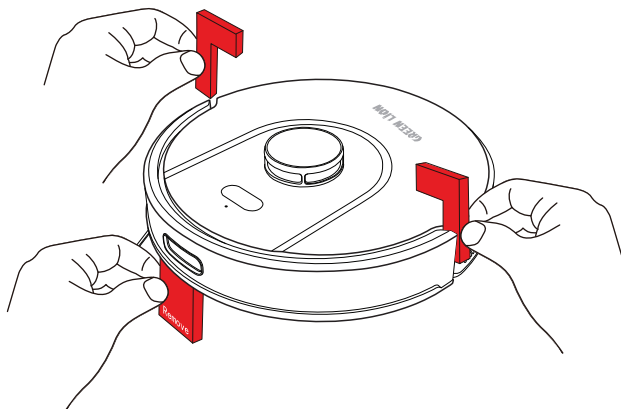
Avoid letting the vacuum become entangled, stuck, or knocked over, as this may cause personal injury or property damage.



Do not use the robotic vacuum to clean liquids.

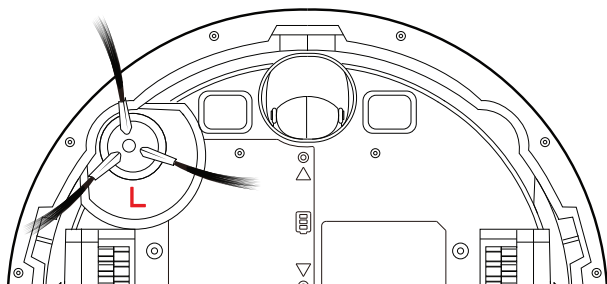
When used in a suspended setting, the robotic vacuum should be protected by rails to prevent accidental falls or the pushing of other items. Failure to do so may result in personal injury or property damage.

1. Remove the protective material from both sides of the robotic vacuum.

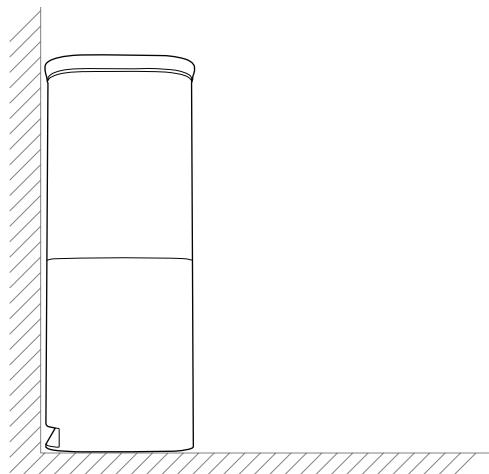


### 2. Install the side brushes

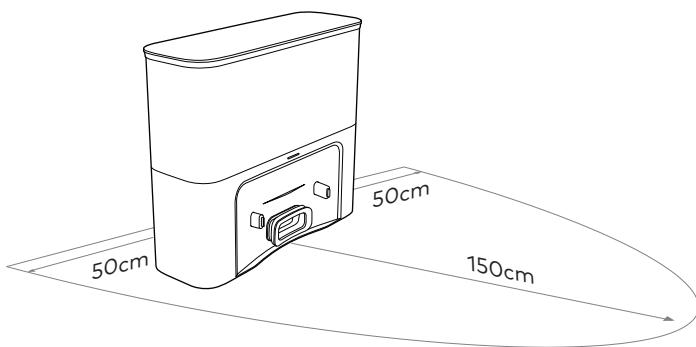
Align the left side brush (L) and the right side brush (R) with the corresponding letters (L and R) on the bottom shell. Press down until you hear a "click," indicating that the side brushes are securely installed.



3. Place the auto-empty dock on a flat surface against the wall and organize any excess wires.



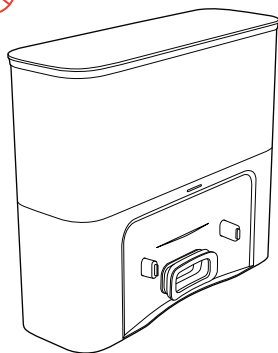
4. Clean up the area around the dock and connect the power supply that meets the required electrical specifications.



**Note:** Ensure there is at least 0.5m of space on both sides and 1.5m in front of the charging base.



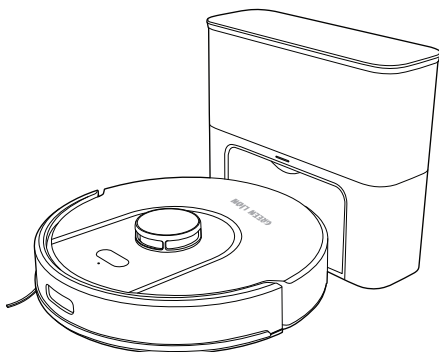
**5.** Do not move the charging base randomly; avoid placing it under direct sunlight.



**Note:** Direct sunlight may interfere with the recharging signal, causing the robotic vacuum cleaner to fail in returning to the charging base.

## **6. Power on and charge**

Press and hold the power button to turn on the unit. When the indicator light is solid, place the main unit against the charging base. When you hear the "Start charging" prompt, it means the robotic vacuum is charging successfully.

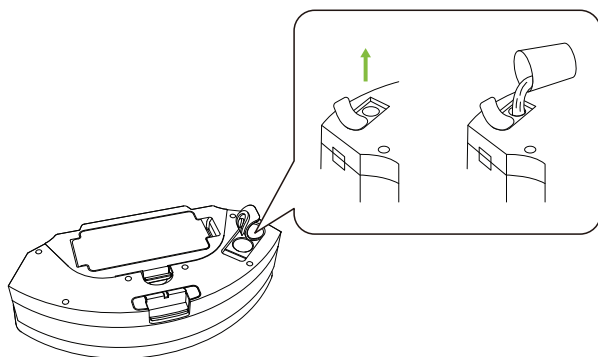


**Note:**

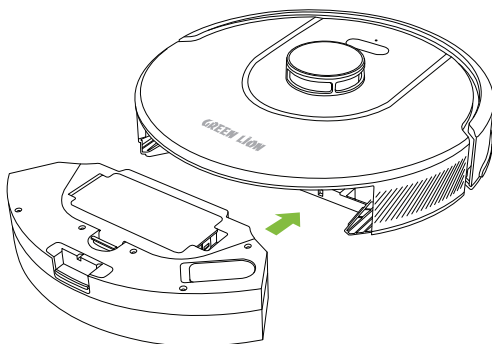
If the battery is low, the robotic vacuum cleaner cannot be powered on. Place the vacuum on the charging base, and the device will power on automatically.

## Installation for Mopping Function

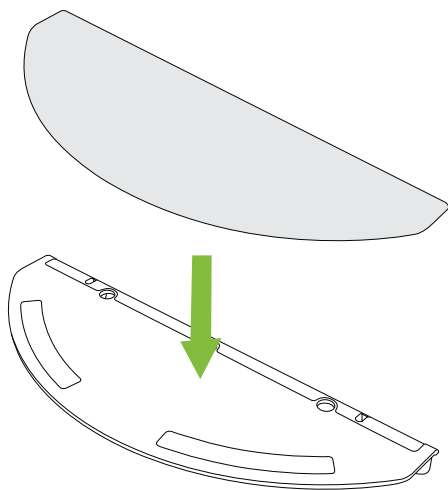
1. Open the water injection cover, add the appropriate amount of water, and close it tightly. Please do not add any detergent.



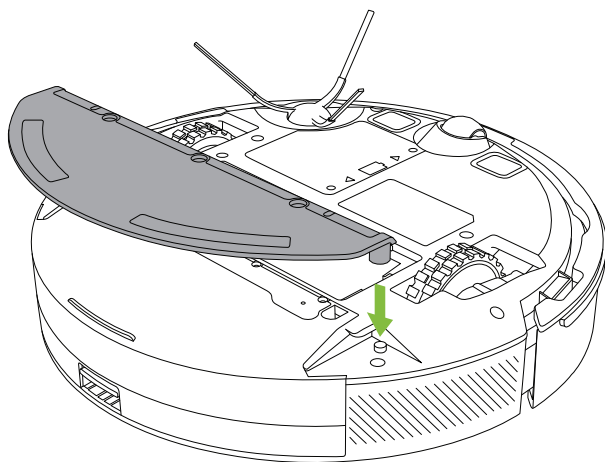
2. Place the water tank back into the robotic vacuum.



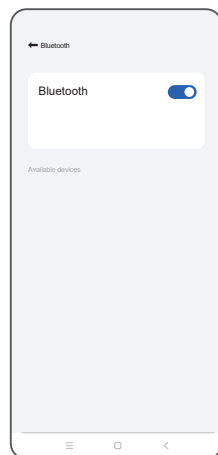
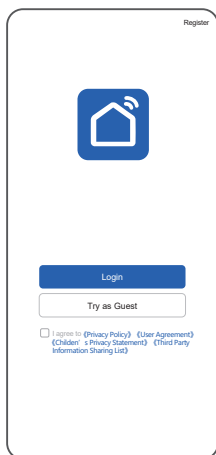
3. Attach the mop to the mop support.



4. Install the mop support.

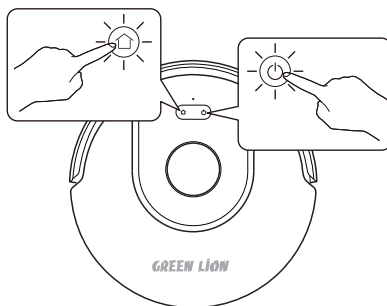


## App Installation

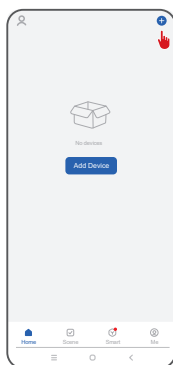


1. Search for "Smart Life" in the mobile app store and download it.
2. Register and log into the app.

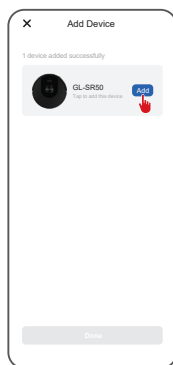
3. Enable Bluetooth on your mobile device.



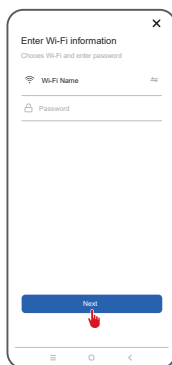
4. Power on the robotic vacuum cleaner. Press and hold the (🔌) and (🏠) keys on the main unit simultaneously for 3 seconds. When you hear the "AP mode" prompt and the WiFi indicator light flashes slowly, it means the machine has entered networking mode.



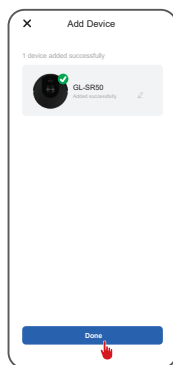
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
8

5. Click "Add a device" or the "+" icon in the top right corner.
6. Select the already discovered robotic vacuum.
7. Choose a 2.4GHz Wi-Fi network and enter the password.
8. Click "DONE" to complete the connection.


## Instructions for Use

### 1. Power On/Power Off

Press and hold the (  ) button for 3 seconds. If the indicator light turns on, the machine has powered on successfully.

When the robotic vacuum cleaner is in standby mode, press and hold the (  ) button for 3 seconds. If the indicator light turns off, the machine is powered off.

### 2. Clean / Pause

After powering on, press the (  ) key on the main unit, or use the remote controller or mobile app to start cleaning.

#### Note:

- a. The robotic vacuum cleaner is not designed to clean liquids.

- b.** If the battery capacity is below %15, the robot cannot operate. Please charge the vacuum before cleaning.
- c.** If the battery drops below 15% during cleaning, the device will automatically return to the charging base to recharge.
- d.** Before cleaning, please tidy up any wires (including the charging base power cord) on the ground to prevent the robot from dragging them, which could cause power failure or damage to items and wires.

### **3. Charge**

**Automatic Mode:** After finishing cleaning, the robotic vacuum cleaner will automatically return to the charging base to recharge.

**Manual Mode:** In pause mode, press the (🏠) button to start recharging, or use the remote controller or mobile app to begin recharging.

**Note:** If the robotic vacuum cleaner cannot find the charging base, it will automatically return to the starting point. Please manually place the main unit on the charging base for recharging.

### **4. Suction Selection**

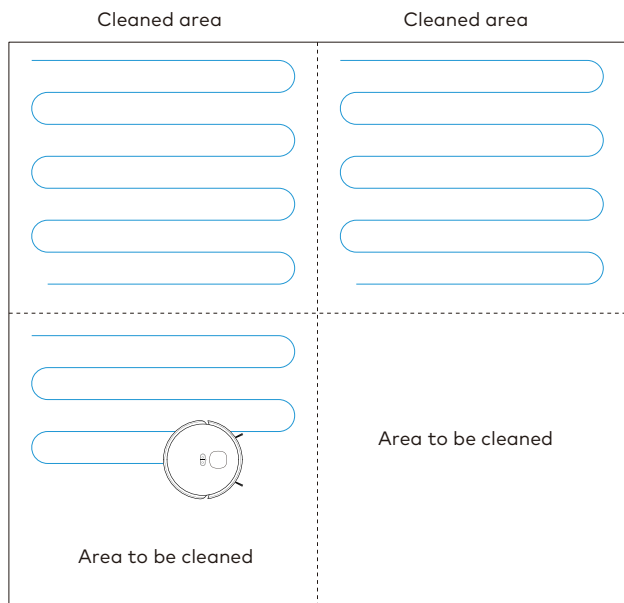
Use the mobile app to choose between energy-saving, standard, and powerful modes (the default is standard mode).

## **Cleaning Modes**

### **Intelligent Cleaning (Default Mode)**

The robotic vacuum cleaner scans the environment, generates a map, and intelligently divides the areas. It will clean each area sequentially, following a Z-shaped path along the walls. Once cleaning is complete, the robot will return to the charging base to recharge.

For optimal map building, the robot should start from the charging base during its first cleaning.

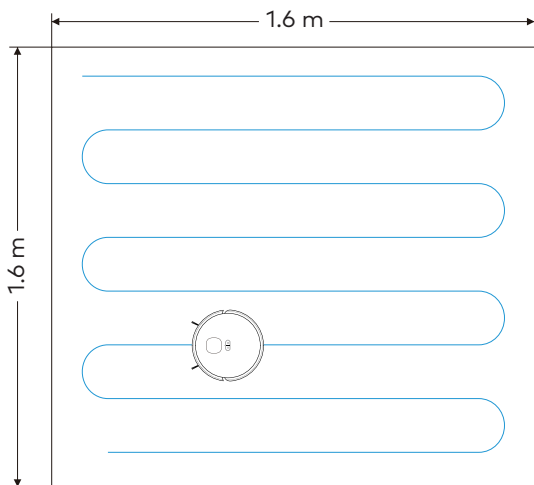


### Note:

Avoid moving the main unit randomly or frequently during operation. After moving, place the main unit near its original location. When restarting, the device will attempt to reposition its coordinates. If positioning is successful, it will resume cleaning along the planned path. If positioning fails, the device will abandon the previous task and create a new map for cleaning, but it may not be able to recharge properly.

### Cleaning as Required (customized cleaning)

Use the mobile app to select the cleaning function you need. Select a point on the map, and the robotic vacuum cleaner will move to the designated location and clean a 1.6m x 1.6m square area with itself as the center.

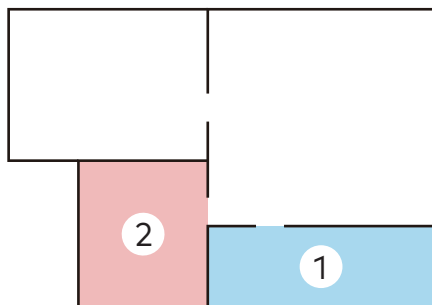


### Note:

Before using this function, ensure the map is fully built during the first cleaning via the mobile app.

### Cleaning of Selected Area

Use the mobile app to select the cleaning function for a specific area. Choose the area to be cleaned on the map, and the robotic vacuum cleaner will clean within the selected area.



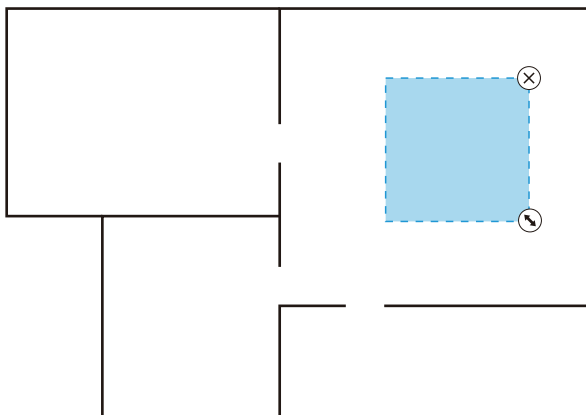


**Note:**

1. Before using this function, ensure the map is fully built during the first cleaning via the mobile app.
2. The main unit may enter unplanned areas, so please remove any obstacles around the planned area. This area cannot serve as a safety barrier.

**Cleaning of Defined Area**

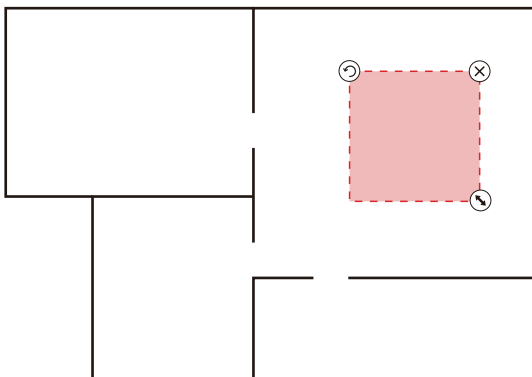
Use the mobile app to select the cleaning function for a defined area. Choose the area to be cleaned on the map, and the robotic vacuum cleaner will clean within the selected area.

**Note:**

1. Before using this function, ensure the map is fully built during the first cleaning via the mobile app.
2. The main unit may enter unplanned areas, so please remove any obstacles around the planned area. This area cannot serve as a safety barrier.

## Restricted Area Setting

Use the mobile app to select the restricted area editing function. Choose and set the restricted area on the map, and the robotic vacuum cleaner will avoid entering the designated area while cleaning.



### Note:

1. Before using this function, ensure the map is fully built during the first cleaning via the mobile app.
2. This function is meant only for defining cleaning areas and cannot be used to block dangerous zones.
3. If the robotic vacuum cleaner is moved or there are significant changes in your home environment, the map may become ineffective, and the restricted area may be lost.

## Scheduled Cleaning

Once the scheduled cleaning is set, the machine will automatically start cleaning at the designated time and will return to the charging base after completing the cleaning.

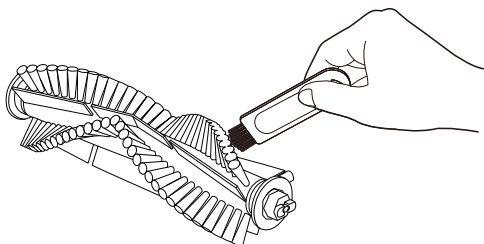
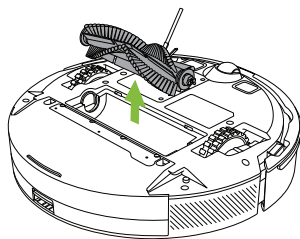
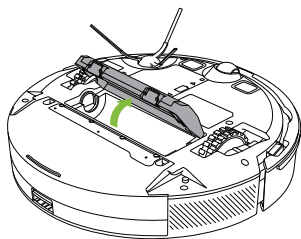
## Other App Functions

Remote control	Real-time map updating
Look for robot	Language selection
Map management	Cleaning record viewing
Working mode selection	Consumables management
Partition area editing	Self-defining of cleaning sequence of areas

## Routine Maintenance

**Note:** Rolling Brush recommended cleaning frequency is once a week.

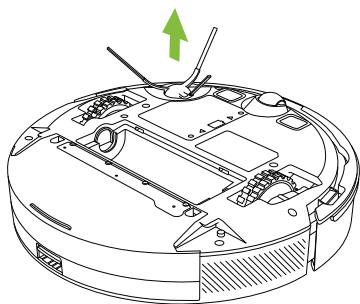
1. Turn over the machine, press the buckle on the rolling brush cover, and remove the cover plate.
2. Take out the rolling brush.
3. Use a clean brush to remove dust from the cavity of the main brush and rolling brush, and clear any entanglements on the rolling brush.



## Side Brush (Recommended cleaning frequency: once a week)

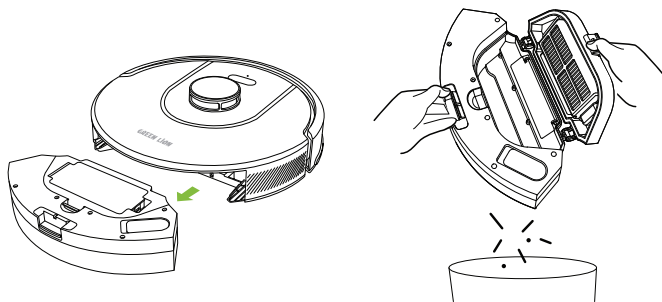
1. Turn the machine upside down and pull out the side brush vertically.
2. Clear any entangled hairs and reinstall the side brush.
3. Align the left side brush (L) and right side brush (R) with the corresponding letters on the bottom shell. Press them down to securely reinstall the side brushes.

**Note:** It is recommended to replace the side brush every three months to maintain optimal cleaning performance.



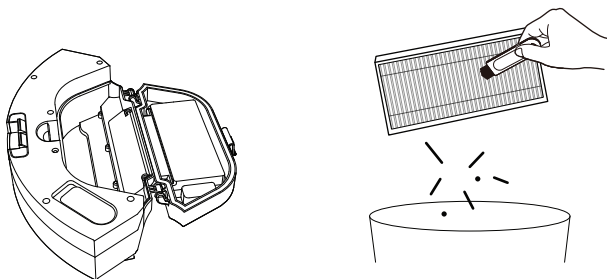
## Dust Bin and Filter (Recommended cleaning frequency: after cleaning)

1. Press the dust bin button and remove the dust bin.
2. Press the dust bin switch to open it and empty the contents.



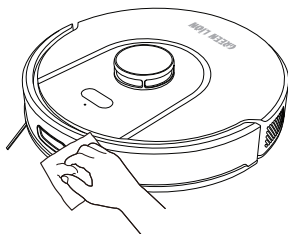
## Wash the 2-in-1 Dustbin & Water Tank (Recommended cleaning frequency: after cleaning)

1. After prolonged use, remove the sponge and high-efficiency filter.
2. Rinse the primary filter, dust bin, and sponge under running water. The high-efficiency filter should not be washed with water.
3. After washing, shake off excess water and let the filter and dust bin air dry completely before reuse.

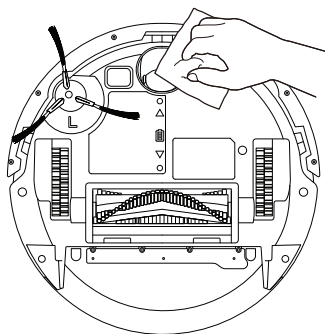


### Note:

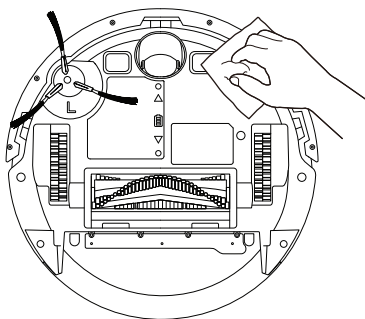
- a. Wash with clean water only, and do not use any detergent.
- b. Avoid using a brush; clean the filter with your fingers.
- c. Allow the filter to air dry for at least 24 hours to ensure it is completely dry.
- d. It is recommended to replace the filter every three months.



Clean the infrared obstacle avoidance sensor.  
It is recommended to clean it once a month.



Clean the cliff sensor.  
It is recommended to  
clean it once a month.



Clean the charging contacts.  
It is recommended to clean  
them once a month.

## Battery

The main unit is equipped with a high-performance rechargeable lithium-ion battery. To ensure optimal battery life, keep the device charged during regular use.

If the vacuum is not going to be used for an extended period, power it off and store it. Remember to charge it every three months to prevent battery damage caused by over-discharge.

## Specifications

1. Robotic Vacuum	
Material	ABS
Battery	3200mAh
Rated Voltage	14.4V

Rated Power	42W
Suction Power	4000Pa
Suction Levels	4 Levels
Cleaning Modes	6 Modes
Dust Bin Capacity	270 ml
Water Tank Capacity	204 ml
Mopping Area	140 m <sup>2</sup>
Brush Speed	160 RPM
Max Climbing	Up to 18 mm
Obstacle Detection	Above 11 cm
Water Flow	3 Levels
Application	Smart Life
Wi-Fi	2.4G/5G
Noise Level	≤63 dB
Charging Type	Contact Pin
Charging Time	300 min
Working Time	140 min
Product Weight	3 kg
Product Dimensions	92.5*320*320 mm

## 2. Docking Station

Material	ABS
Rated Power	650W
Rated Voltage	200-240V
Rated Frequency	50/60Hz
Dust Bag Capacity	2.5L
Dust Collection Time	20 sec
Charging Output	19V/0.6A
Power Plug	UK Plug
Cord Length	1.5 m
Product Weight	1.9 kg
Product Dimensions	270*103*303 mm

## Troubleshooting

Problem	Solutions
The machine fails to power on.	<p>The battery power is insufficient. Place the machine on the docking station and align with the charging electrodes.</p> <p>The machine will automatically power on.</p> <p>The ambient temperature is below 0°C or above 40°C. Use the machine within a temperature range of 0°C to 40°C.</p>
The machine is not charging properly.	<p>Move the machine away from the docking station and check if the indicator on the docking station is on. Ensure both ends of the power adapter are properly connected.</p> <p>The docking station is not making proper contact with the machine. Clean the docking station shrapnel and the charging contact on the machine, or push the side brush to one side.</p>



The machine fails to return to the docking station.	The machine is too far from the docking station. Place the machine closer to the docking station.
There is abnormal behavior during cleaning.	Power off the machine and turn it back on.
There is unusual noise during cleaning.	The roller brush, side brushes, or wheels may be entangled with foreign objects. Clean them after stopping the machine.
The cleaning performance is degraded, or dust is left behind.	The dustbin is blocked or full. Clean the dustbin. Clean or replace the filter. The roller brush is entangled with foreign objects. Clean the roller brush.
The Wi-Fi network cannot be connected.	The Wi-Fi signal is weak. Ensure the machine is located in an area with a strong Wi-Fi signal. The Wi-Fi connection is abnormal. Reset the Wi-Fi settings, download the latest version of the app, and try connecting to the Wi-Fi network again. The password is incorrect. This machine supports only the 2.4 GHz band.
Scheduled cleaning cannot be carried out.	The power is insufficient. Scheduled cleaning will only start when the remaining power is 15% or higher.
The machine consumes power if it remains at the docking station.	The power consumption is very low when the machine stays at the docking station. This helps maintain the battery's optimal performance.
Is it not necessary to charge the battery for 16 hours during the first three uses?	The lithium battery does not have a memory effect. It can be used immediately after being fully charged, with no need to wait.

## Error Prompts

Error	Solution
Error 1: Insert the dustbin.	Cleaning is triggered when the dustbin is removed. Please reinstall the dustbin.
Error 2: Place the machine on the floor before starting.	The machine may be lifted or suspended. Please move the machine to a flat surface and restart it.
Error 3: Lay the machine flat on the ground and then start it.	The machine is tilting. Please place the machine on a flat surface and then restart it.
Error 4: Check if the front bumper is stuck.	The edge or collision sensor is stuck. Please push the bumper to the left to ensure it is not stuck.
Error 5: Low battery; please charge the machine.	Place the main unit on the charging base to charge.
Error 6: The machine is trapped.	Please move the machine to an open space and then restart it.
Error 7: Check if the wheel is stuck.	The main wheel is stuck or entangled. Please check the main wheel and remove any foreign objects.
Error 8: Check if the rolling brush is stuck.	The rolling brush is entangled or stuck. Please check the rolling brush and remove any foreign objects.
Error 9: Check if the side brush is stuck.	The side brush is entangled or stuck. Please check the side brush and remove any foreign objects.

## Safety Information and Use Restrictions

- 1.** This product is designed for floor cleaning in a home environment only. It should not be used outdoors (e.g., on an open balcony), on non-ground surfaces (e.g., sofas), or in commercial or industrial settings.
- 2.** Do not use the machine in suspended environments without protective barriers (e.g., duplex floors, open balconies, or the tops of furniture).
- 3.** Do not use the machine in environments where the temperature exceeds 40°C or falls below 0°C, or where liquids and viscous substances are present on the floor.
- 4.** Ensure that household wires are secured before use to avoid them being dragged by the machine during operation.
- 5.** Remove fragile items and debris (e.g., vases, bags) from the floor, as they may block the machine or cause damage due to slight collisions.
- 6.** Do not allow individuals (including children) with physical, mental, or sensory disabilities to use or operate the product.
- 7.** Children should not be allowed to use the machine as a toy. Keep children and pets away from the machine while it is operating.
- 8.** Keep the cleaning brush out of reach of children.
- 9.** Do not place any objects (including children or pets) on the stationary or moving machine.
- 10.** When the machine is operating, keep hair, fingers, and other body parts, as well as pets, away from the dust suction inlet.
- 11.** Do not use the machine to clean burning objects, such as cigarette butts.
- 12.** Do not use the machine to clean long-haired carpets. Some dark carpets may not be cleaned properly.
- 13.** Do not use the machine to vacuum hard or sharp objects, such as construction debris, glass, nails, etc.
- 14.** Do not use the protective cover of the laser range sensor or the

bumper as a handle to carry the machine.

**15.** Clean or maintain the machine and charging base only when the machine is powered off.

**16.** Do not use a damp cloth or any liquid to wipe any part of the machine.

**17.** Follow the instructions in the manual when using the machine. The user is responsible for any damage or injury caused by improper use of the product.

**18.** Do not use the mopping function on carpets or furniture.

**19.** Remove the water tank when charging the machine.

## **Battery and Charging Safety Notes**

**1.** Do not use third-party batteries, charging bases, or chargers.

**2.** Do not disassemble, repair, or modify the battery or charging base without permission.

**3.** Do not place the charging base near heat sources, such as heating radiators.

**4.** Do not use a damp cloth or wet hands to clean the charging base components.

**5.** Dispose of used batteries properly by sending them to certified recycling agencies.

**6.** If the power cord is damaged or broken, stop using it immediately and purchase a replacement through official channels.

**7.** When transporting the product, ensure the machine is powered off. It is recommended to use the original packaging box for transport.

**8.** If you do not plan to use the machine for an extended period, fully charge it, power it off, and store it in a cool, dry place. The machine should be charged at least once every three months to prevent damage to the battery due to over-discharge.

## FCC Statement

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.

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

**Note:** 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. If not installed and used in accordance with the instructions, it 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 one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

## IC Warning

### English:

This device contains license-exempt transmitter(s)/receiver(s) that comply

with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

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

### **FCC / IC Radiation Exposure Statement**

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

#### **French:**

Cet appareil contient des émetteurs/récepteurs exemptés de licence conformes aux RSS (RSS) d'Innovation, Sciences et Développement économique Canada. L'exploitation est autorisée aux deux conditions suivantes :

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

### **FCC / IC Déclaration d'exposition aux rayonnements**

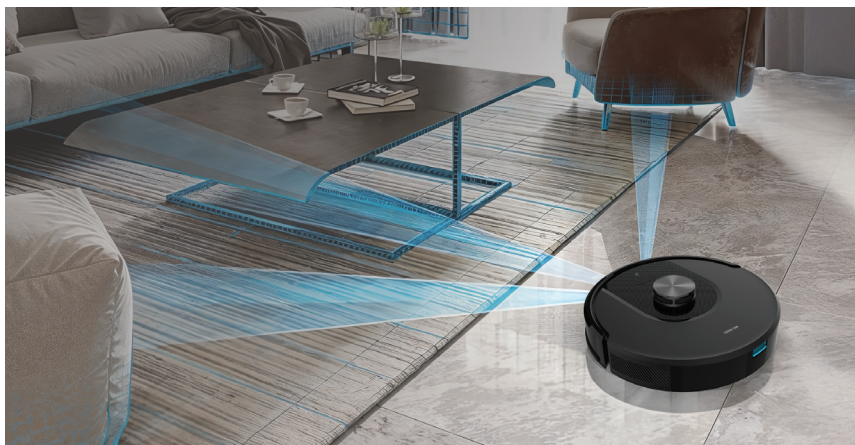
Cet appareil est conforme aux limites d'exposition aux rayonnements FCC et IC fixées pour un environnement non contrôlé. Cet appareil doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps. Cet émetteur ne doit pas être co-situé ni utilisé en liaison avec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

## **Warning**

1. This appliance can be used by children aged 8 years and above, and by persons with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, provided they have been given supervision or instruction on the safe use of the appliance and understand the potential hazards. Children should not play with the appliance. Cleaning and maintenance should not be done by children without supervision.
2. For recharging the battery, only use the detachable power supply unit provided with this appliance.
3. This appliance contains batteries that should only be replaced by skilled persons.

## **Disposal**

This product must not be disposed of as unsorted household waste. It is important to separate such waste for proper treatment and recycling, in compliance with local waste management regulations.



## Warranty

This **Green Lion** product comes with a 12-month warranty when purchased from our website, official store, or approved sellers.

To extend the warranty, please visit **<https://www.greenlion.net/warranty>** and fill out the form with your product details. Make sure to upload a clear picture of the product.

After we review and approve your request, you will receive a confirmation email stating that your product's warranty has been extended.

For more info, please check:

**<https://www.greenlion.net/warranty>**

## Contact Us

If you have any questions about this Privacy Policy, please contact us at:

Website: **<https://www.greenlion.net/>**

Sales: **[sales@greenlion.net](mailto:sales@greenlion.net)**

Service Support: **[Support@greenlion.net](mailto:Support@greenlion.net)**

Telegram: **[@greenlion\\_global](https://t.me/greenlion_global)**

Instagram: **[@greenlion\\_global](https://www.instagram.com/greenlion_global)**