



GREEN LION



Green Lion

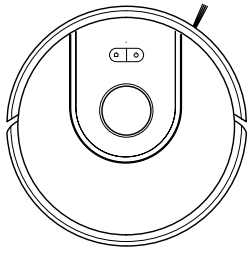
Smart Robot Vacuum

SKU: GNSMRVACMBK

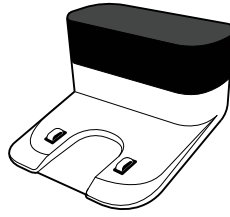
Table of Contents

Package Contents	2
Button Guide	2
Schematic View	3
Installation	4
A. Precautions	4
B. Assembly and Installation	4
C. Initial Charging	5
Instructions for Use	6
App Connectivity	6
Power On/Off	7
Clean / Pause Function	7
Charging	8
Suction Mode Selection	8
Cleaning Mode	8
A. Intelligent Cleaning (Default Mode)	8
B. Cleaning as Required	9
C. Cleaning of Selected Area	9
D. Cleaning of Defined Area	10
E. Restricted Area Setting	11
F. Scheduled Cleaning	11
G. Additional App Functions	11
Cleaning and Maintenance	11
Battery Maintenance	14
Firmware Upgrade	14
Specifications	14
Troubleshooting	15
Safety Precautions	16
Battery Safety Notes	18
FCC Statement	18
Warning	19
Warranty	20
Contact Us	20

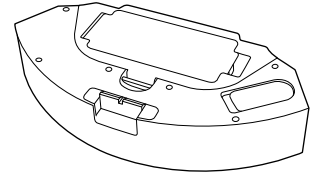
Package Contents



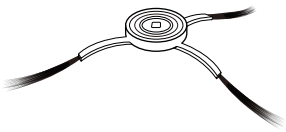
Smart Robot Vacuum



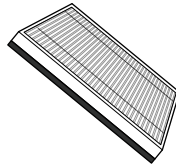
Charging Base



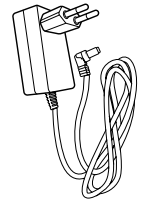
2 In 1 Dustbin Water Tank



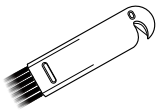
Side Brush



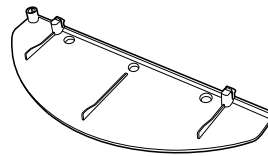
High-Efficiency Filter+Sponge



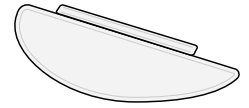
Power Adapter



Cleaning Brush



Mop Holder



Mop

Button Guide



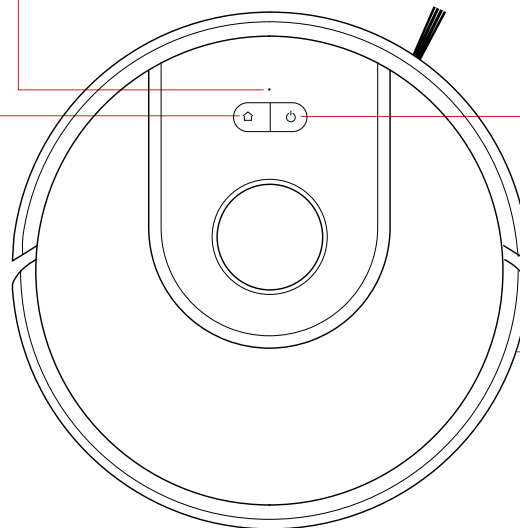
WiFi Status Light:

Off: WiFi is not connected.
Flashing: Connecting to WiFi.
Steady On: WiFi is connected.



Recharge/Pause Button:

Press this button to either recharge or pause the device.



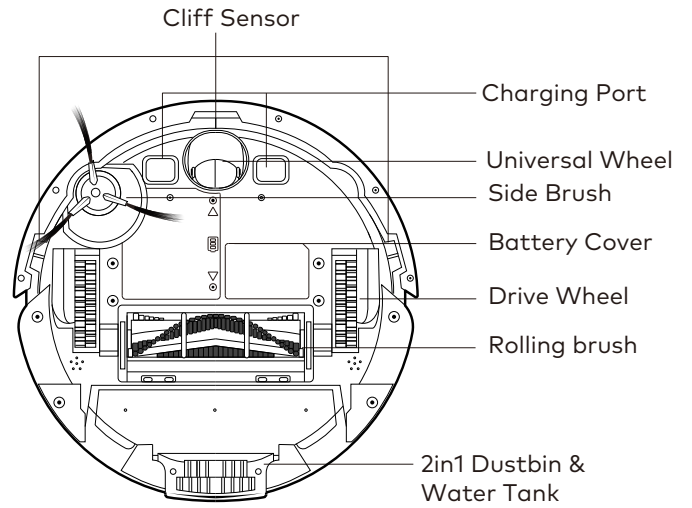
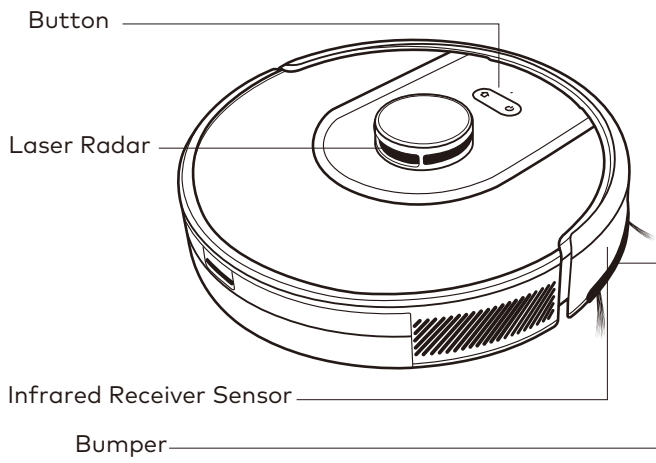
Power/Clean/Pause Button:

Press the button to start cleaning or to pause the operation.
Press and hold the button for 3 seconds to turn the device on or off.

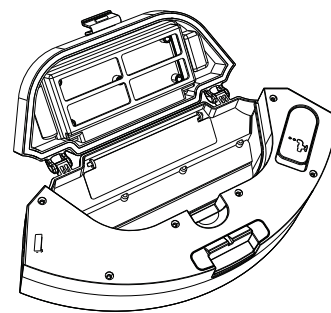
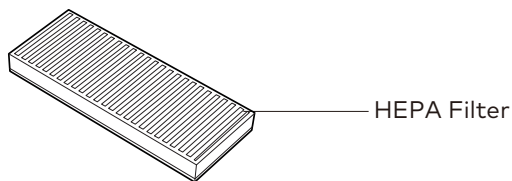
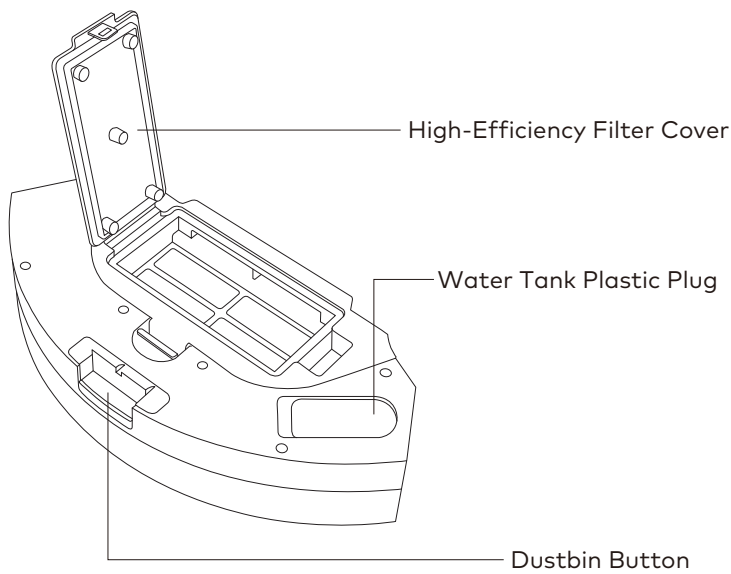
RESET System Reset Button:

Use a needle or a similar object to press this button to reset the device.

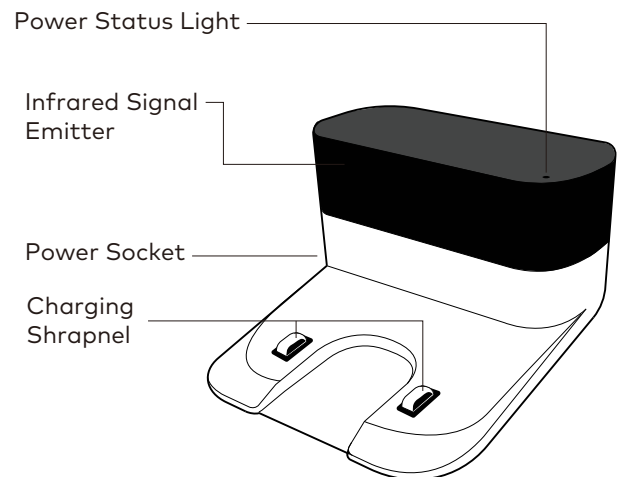
Schematic View



2in1 Dustbin & Water Tank

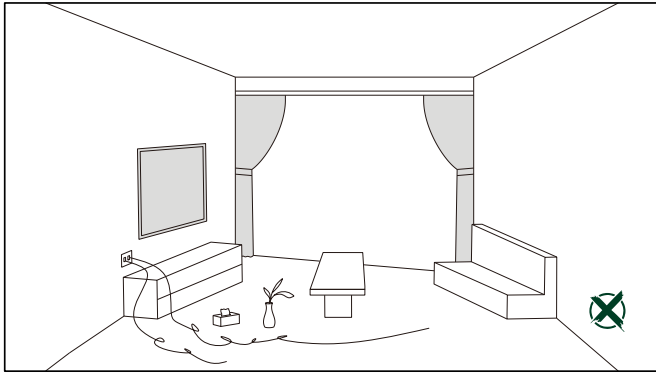


Charging Base

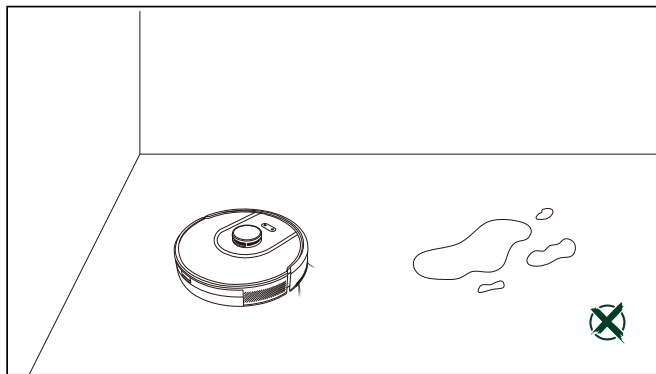
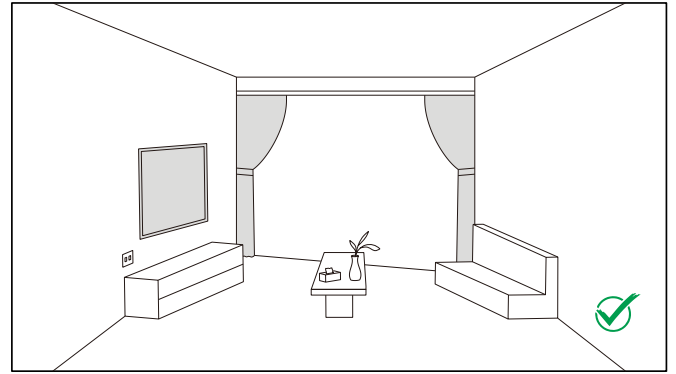


Installation

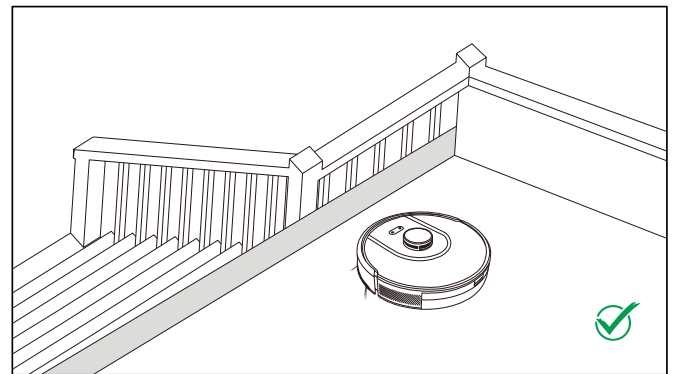
A. Precautions



Before starting the vacuum cleaner, clear any wires and scattered items from the floor and remove any fragile, valuable, or potentially dangerous objects that could fall easily. This will prevent the unit from becoming entangled, stuck, dragged, or knocked over, which could cause personal injury or damage to property.

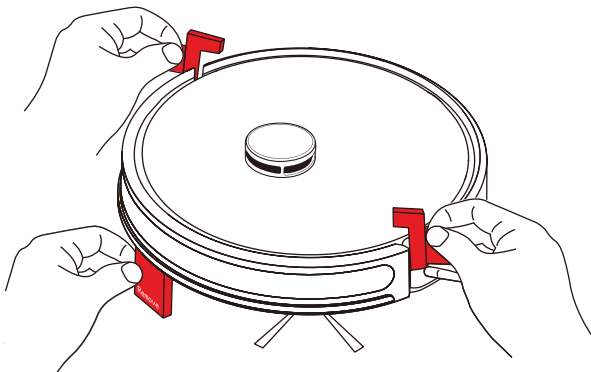


Do not use the vacuum to clean liquid spills.

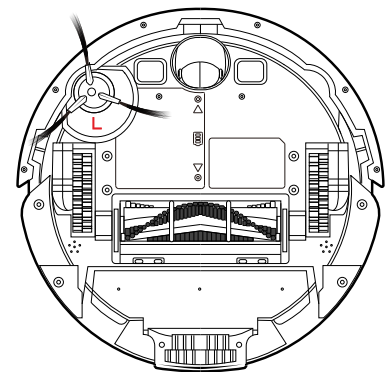


When used in elevated positions, it must be protected by safety rails to prevent accidental falls or knocking down other objects, which could lead to personal injury or property damage.

B. Assembly and Installation



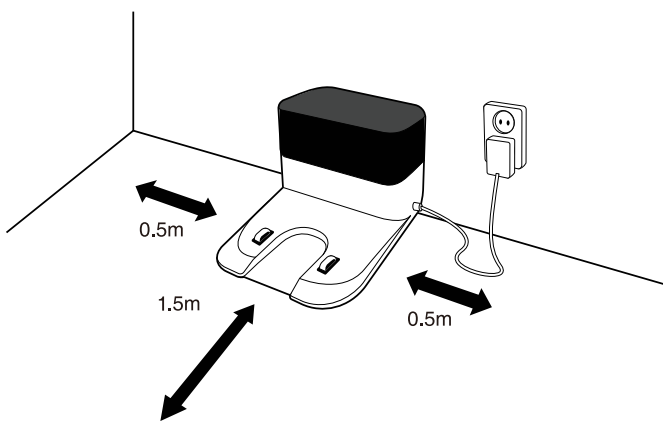
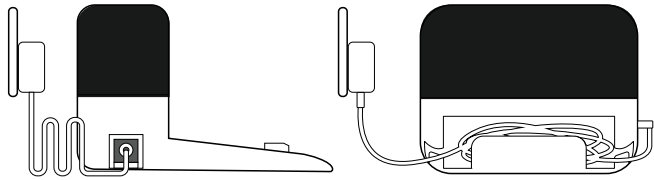
1. Remove the protective material from both sides of the robot. This ensures the robot operates without any hindrances.



2. Install side brushes. Position the left side brush marked 'L' and the right side brush marked 'R' against the corresponding letters on the robot's bottom casing. Press down until you hear a click, which indicates that the brushes are securely attached.

3. Connect the power adapter to the power supply, then attach it to the charging base. Organize any excess cable to keep the area neat.

5. Keep the Charging Base Stationary. Avoid exposure to sunlight.



4. Position the charging base on a flat surface against the wall and plug it into the power supply. Ensure the area around the base is clear to facilitate easy docking of the vacuum cleaner.

Note: Do not relocate the charging base unnecessarily. Keep it out of direct sunlight to prevent interference with the charging signal, which could hinder the vacuum's ability to return to the base.

Note

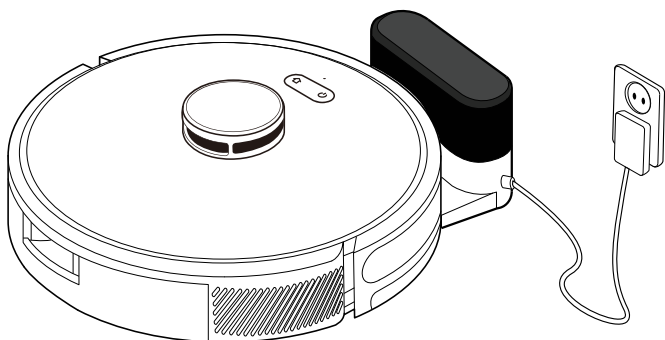
1. Ensure there is at least 0.5 meters of space on each side of the charging base and 1.5 meters in front.

2. Keep the power cord perpendicular to the ground to avoid it being dragged or disconnected by the vacuum.

3. The charging indicator should be illuminated whenever the main unit is powered on.

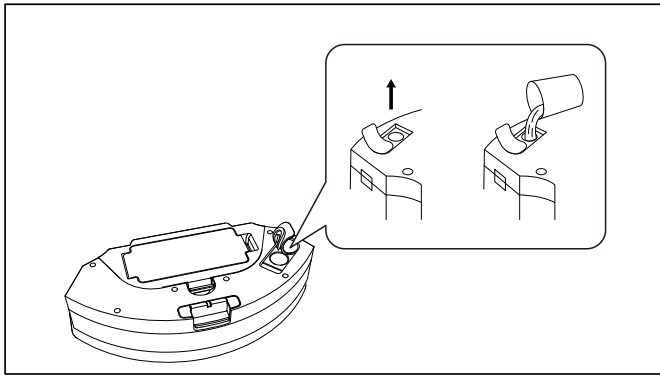
C. Initial Charging

Press and hold the power button to turn the device on. Place the vacuum against the charging base and ensure the indicator light is on. A voice prompt saying "Start charging" confirms that the robot is charging successfully.

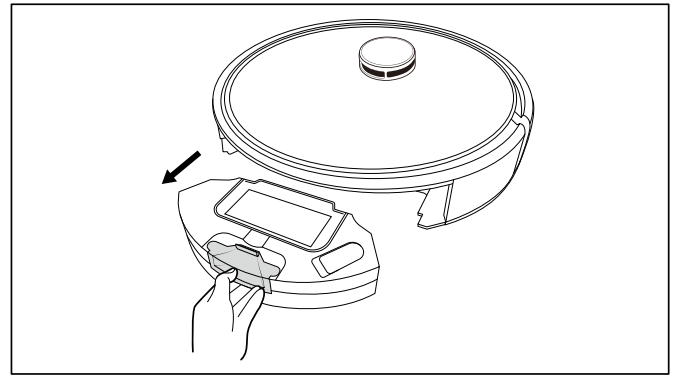


Note: If the battery is depleted, the robot vacuum cannot be powered on. Please place the robot on the charging base, and it will power on automatically once it starts charging.

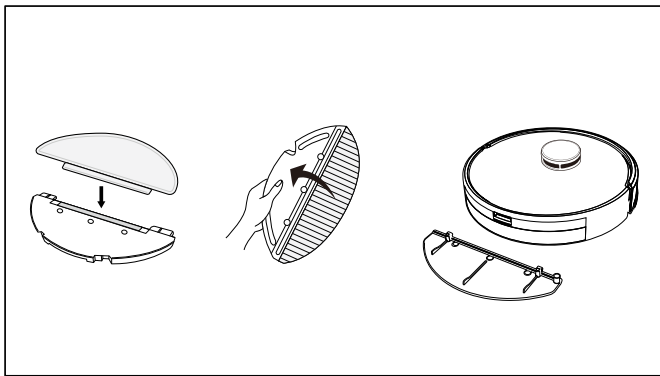
Instructions for Use



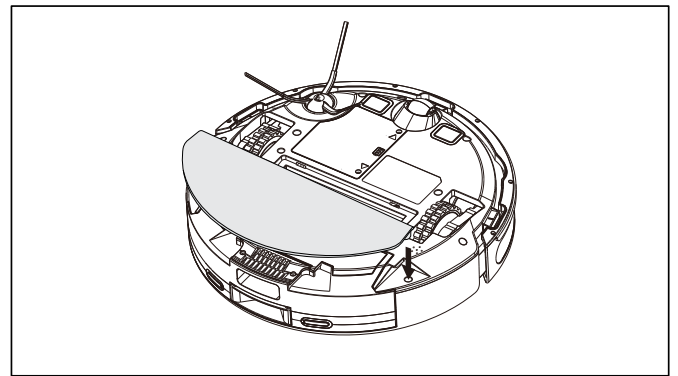
1. Open the water tank cover, fill with an appropriate amount of water, and then securely close the cover. Please refrain from adding any detergent.



2. Reinsert the water tank into the vacuum.



3. Attach the mop to the mop support.



4. Install the mop support onto the device.

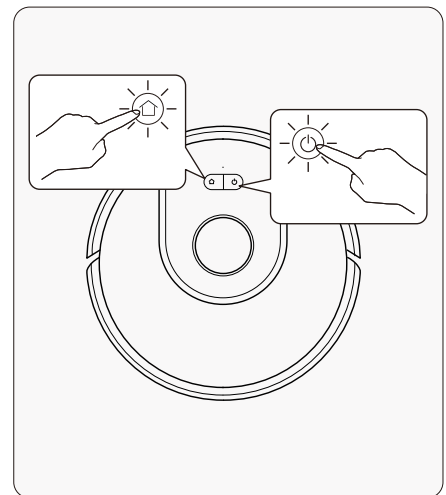
App Connectivity





1. Search for "Smart Life" in the Google Play or App Store and download the application.
2. Register for an account and log into the app.



3. Turn on Bluetooth on your mobile device.



4. To start the robot vacuum cleaner, simultaneously press and hold the Power  and Home  buttons on the main unit for 3 seconds. Upon hearing the voice prompt "AP mode" and observing the Wi-Fi indicator light flash slowly, the device has successfully entered networking mode.



5. Tap "Add a device" or "+" in the top right corner.



6. Select the robot vacuum that appears in the search results.





7. Enable Wi-Fi connection and input the password.



8. Press "DONE" to finalize the connection.

Power On/Off

1. To power on the machine, press and hold the Power button  for 3 seconds. If the indicator light turns on, the machine has successfully started.

2. To power off, while the vacuum cleaner is in standby mode, press and hold the Power button  for 3 seconds. If the indicator light turns off, the machine is successfully shut down.

Note: The robot vacuum cleaner cannot be shut down while it is charging.

Clean / Pause Function

After startup, press the Power button  on the main unit or use the remote controller or mobile app to start cleaning.

Note:

1. The robot vacuum cleaner is not designed to clean liquids.

2. If the battery capacity is below 15 %, the robot cannot operate; please charge the machine before starting a cleaning cycle.

3. If the battery capacity falls below 15 % during cleaning, the vacuum will automatically return to its charging base.

4. Ensure that wires, including the power cord of the charging base, are neatly arranged on the floor before starting the vacuum to prevent them from being caught by the device, which could lead to damage or power failures.

Charging

1. Automatic mode: After finishing cleaning, the robot vacuum cleaner will automatically return to the charging base.

2. Manual mode: In pause state, press the 'Power' button or use the remote controller or mobile app to initiate recharging.

Note: If the robot vacuum cleaner fails to locate the charging base, it will return to the starting point. Please manually place the unit on the charging base.

Suction Mode Selection

Use the mobile app to select from energy-saving, standard, or powerful suction modes (default is standard mode).

Cleaning Mode

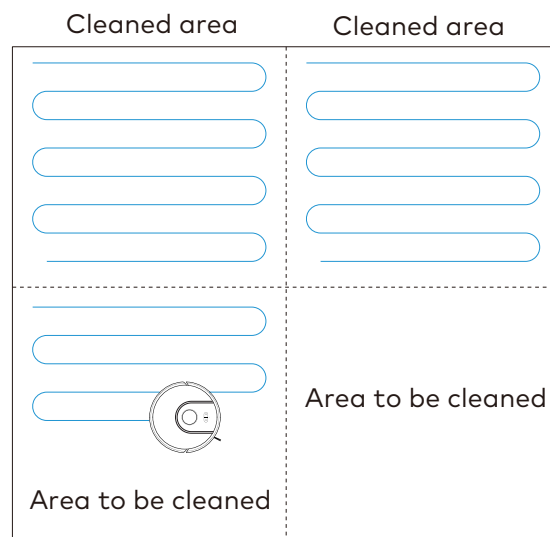
A. Intelligent Cleaning (Default Mode)

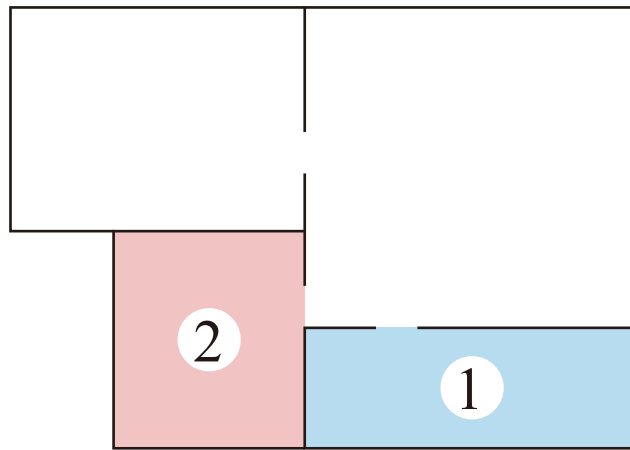
1. The robot vacuum cleaner scans the environment, maps it out, and intelligently segments the areas for cleaning.

2. It completes the cleaning of each area by following a Z-shaped pattern behind obstacles.

3. After cleaning, the robot vacuum will return to the charging base to recharge.

4. To optimize map creation, the robot should start its initial cleaning from the charging base.



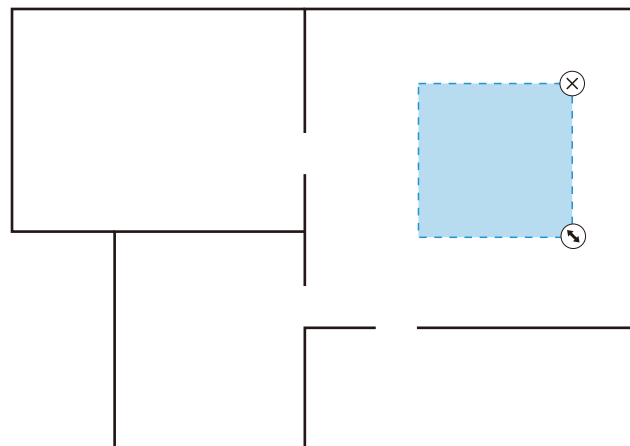


Note

1. Before using this function, ensure you complete the initial mapping in the mobile app.
2. The main unit may enter areas outside the planned cleaning zone.
3. Please remove any obstacles around the designated area for efficient cleaning and to maintain a safe operation zone.

D. Cleaning of Defined Area

Utilize the mobile app to choose the cleaning function for a specific area. Simply select the area on the map you wish to clean, and the robot vacuum will proceed to clean within that defined area.

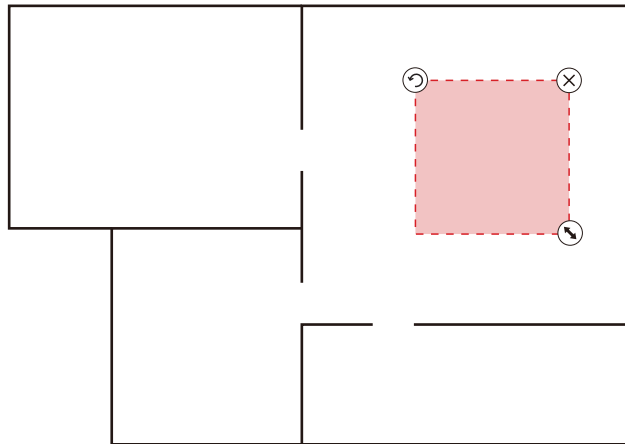


Note

1. Before using this function, ensure that the map is fully created in the mobile app during the initial cleaning.
2. The main unit may enter unintended areas, so please remove any obstacles around the planned area. This area cannot act as a safety barrier.

E. Restricted Area Setting

Use the mobile app to access the restricted area editing feature. Select and designate the restricted cleaning area on the map, and the machine will avoid entering the specified area for cleaning.



F. Scheduled Cleaning

Once scheduled cleaning is set, the machine will automatically begin cleaning at the designated time and return to the charging base upon completion.

G. Additional App Functions

Remote control

Find the vacuum

Map management

Working mode selection

Partition area editing

Area attribute customizing

Real-time map updating

Language selection

Cleaning record viewing

Consumables management

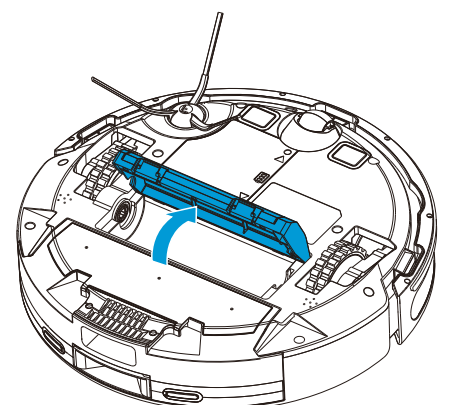
Self-defining of cleaning sequence of areas

Cleaning and Maintenance

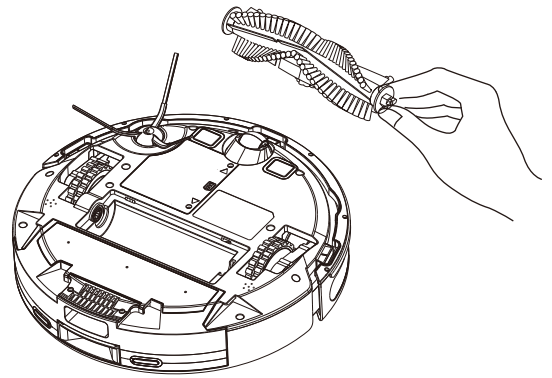
A. Rolling Brush

* Recommended cleaning frequency: once a week

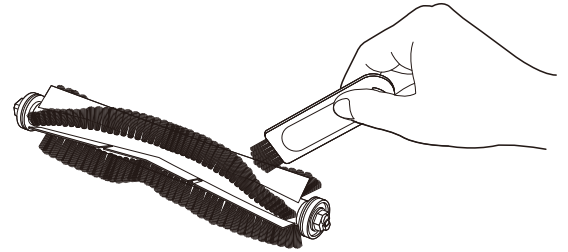
1. Turn over the machine, press the buckle on the rolling brush cover, and remove the cover plate of the rolling brush.



2. Take out the rolling brush.



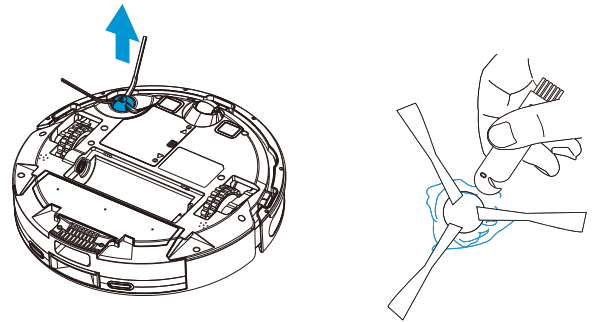
3. Use the cleaning brush to remove dust from the main brush and rolling brush cavity, and clear any tangles from the rolling brush.



B. Side Brush

* Recommended cleaning frequency: once a week

1. Turn the machine over and pull out the side brush vertically.



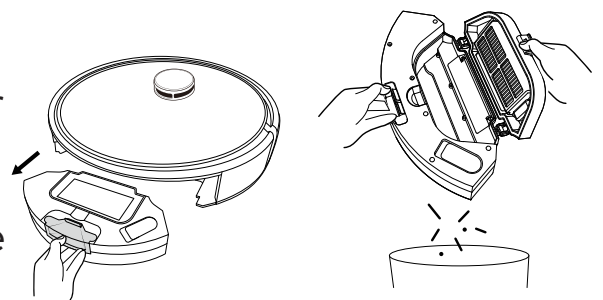
2. Remove any tangled hair and reinstall the side brush.

3. Align the left side brush (L) and right-side brush (R) with the corresponding L and R markings on the bottom shell, and press them down to secure the brushes in place.

C. Dust Bin and Filter

* Recommended cleaning frequency: after each cleaning

1. Press the dust bin button and pull out the dust bin.



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

D. Wash the 2-in-1 Dustbin & Water Tank

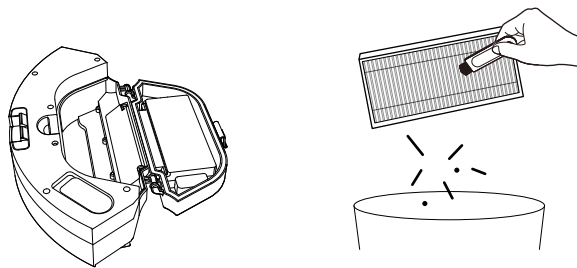
* Recommended cleaning frequency: after each cleaning

1. After extended use, remove the sponge and high-efficiency filter.

2. Rinse the primary filter, dust bin, and sponge under running water. Do not wash the high-efficiency filter with water.

3. After washing, shake off any water droplets and let the filter and dust bin air dry.

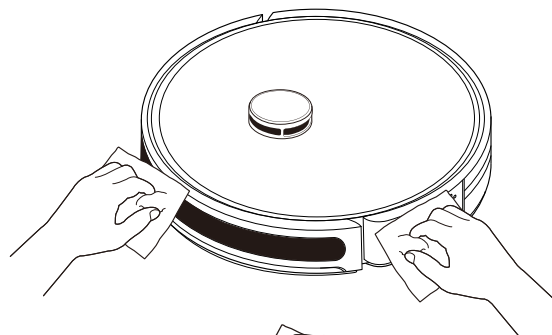
4. Ensure they are completely dry before use.



E. Cleaning the Sensors

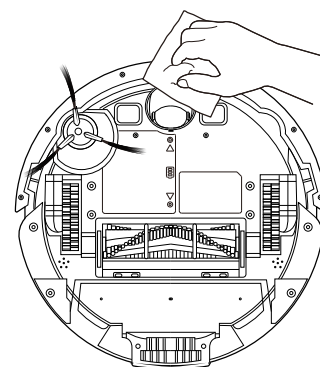
E.1 Clean the infrared obstacle avoidance sensor

* Recommended cleaning frequency: once a month



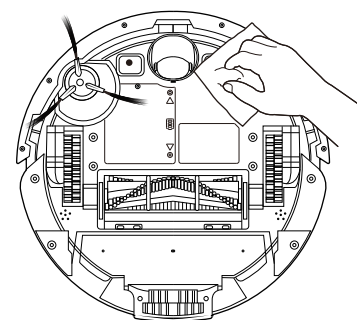
E.2 Clean the cliff sensor

* Recommended cleaning frequency: once a month



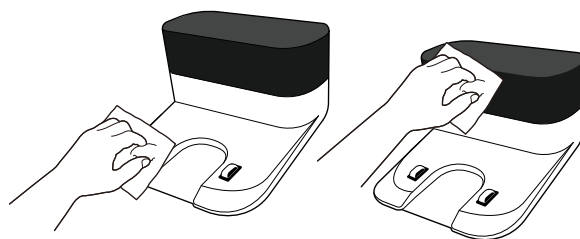
F. Clean the charging contact

* Recommended cleaning frequency: once a month



G. Clean the signal emission region on the charging base

* Recommended cleaning frequency: once a month



Battery Maintenance

This unit features a rechargeable high-performance lithium-ion battery. To preserve battery life, keep the main unit plugged in during regular use. If the vacuum is not going to be used for an extended period, power it down and store it. To prevent battery damage from over-discharge, charge the unit every three months.

Firmware Upgrade

Access the firmware upgrade feature via the mobile APP. Ensure the battery level is above 50 % before proceeding with the upgrade. Follow the on-screen instructions carefully. For best results, place the device on its charging base during the firmware update process.

Specifications

Product Model	GL-SR4K
Battery	2600mAh Li-Battery
Rated Power	42W
Rated Input (Charging Base)	19V/0.6A
Rated Output (Charging Base)	19V/0.6A
Rated Voltage	14.4V
Charging Time	300min
Dustbin Capacity	230ml
Water Tank Capacity	270ml
KPA	3000PA
Working Time	110 Minutes
Overall Dimension	320×320×92.5mm

Troubleshooting

Problem	Solution
Machine Won't Power On	<ol style="list-style-type: none"> 1. Ensure the machine is placed on the docking station and aligned with the charging electrodes. It will power on automatically. 2. Operate the machine within a temperature range of 0°C to 40°C.
Machine Won't Charge	<ol style="list-style-type: none"> 1. Move the machine away from the docking station, check if the power connection indicator illuminates. Ensure both ends of the power adapter are properly connected. 2. Clean any debris from the docking station's contacts and the machine's charging points to ensure a secure connection. Adjust the side brush if necessary.
Fails to return to charging dock	Ensure the machine is close enough to the docking station for effective docking.
Abnormal Operation	If issues persist, power off the machine and then turn it back on.
Noise During Operation	Clear any entanglements involving the roller brush, side brushes, or wheels by stopping the machine and removing foreign objects.
Reduced Cleaning Performance	<ol style="list-style-type: none"> 1. If the dust bin is blocked, clean or replace the filter. 2. Empty the dust box when full. 3. Remove any foreign objects entangled in the filter or brush.
Wi-Fi Connection Issues	<ol style="list-style-type: none"> 1. Position the machine in an area with strong Wi-Fi connectivity. 2. Reset your Wi-Fi settings, update to the latest version of the mobile app, and attempt to reconnect. 3. Verify the accuracy of the Wi-Fi password entered. 4. This device supports only the 2.4GHz Wi-Fi band.
Scheduled Cleaning Issues	Scheduled cleaning is activated only when the battery level is at 15 % or higher.
Docking Station Power Consumption	The power consumption is minimal when the machine remains docked, aiding in maintaining optimal battery performance.
Initial Battery Charging	The lithium-ion battery can be used immediately after a full charge without any memory effect. No waiting is necessary.

Error Prompt	Solution
Error 1: Insert the dustbin.	Reinstall the dust bin after removal to trigger cleaning.
Error 2: Place the machine on the floor before starting.	If the machine is lifted or suspended, place it on a flat surface and restart.
Error 3: Ensure the machine is flat on the ground before starting.	If the machine tilts, reposition it on a flat surface before starting.
Error 4: Check if the front bumper is stuck.	If the edge or collision sensor is stuck, gently push the bumper to the left to ensure it is free.
Error 5: Low battery; please charge.	Place the main unit on the charging base for recharging.
Error 6: The machine is trapped.	Move the machine to an open area and then start it.
Error 7: Check if the wheel is stuck.	If the main wheel is stuck or entangled, inspect and remove any obstructions.
Error 8: Check if the rolling brush is stuck.	If the rolling brush is entangled or stuck, check and clear away any debris.
Error 9: Check if the side brush is stuck.	If the side brush is entangled or stuck, examine and remove any foreign materials.

Safety Precautions

1. This product is designed solely for cleaning floors within residential settings. It should not be used outdoors or in any commercial or industrial environments.
2. Avoid using this machine in environments without safety barriers, such as multi-level residences, open balconies, or atop furniture.

3. Do not operate the machine in extreme temperatures above 40°C or below 0°C or in areas with wet or sticky surfaces.
4. Secure all loose cables at home prior to use to prevent tripping or pulling.
5. Store fragile items and small objects safely off the floor to prevent damage or interference with the machine's operation.
6. This machine is not suitable for use by individuals with physical, sensory, or mental disabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning safe appliance use.
7. Children should not use this machine as a toy, and must be supervised to ensure they do not interact with the device while it is operating.
8. Store all machine accessories and cleaning tools out of children's reach.
9. Ensure no pets or children are near the machine while it is in operation to avoid injury.
10. Avoid using the machine to pick up burning or smoldering objects like cigarette butts.
11. This vacuum is not suitable for long-haired carpets as it may not effectively clean them.
12. Avoid vacuuming over hard or sharp objects that could cause damage, such as glass or large debris.
13. Do not use any part of the machine, including the laser ranging sensor or bumper, as a handle.
14. Always turn off and unplug the machine before cleaning or performing maintenance on it.
15. Never clean the machine with wet cloths or immerse any parts in liquids.
16. Always follow the operating instructions provided in the manual to avoid damage or injury.
17. Do not use the mopping function on carpets or over cords and ensure to remove the water tank when the machine is charging or not in use.

Battery Safety Notes

1. Do not use any third-party batteries, charging bases, or chargers.
2. Do not disassemble, repair, or modify the battery or charging base without permission.
3. Keep the charging base away from heat sources such as radiators.
4. Avoid using a damp cloth or wet hands to clean the charging base's metal contacts.
5. Properly dispose of used batteries by sending them to professional recycling centers.
6. If the power line is damaged or broken, stop using it immediately and replace it through official channels.
7. When transporting the product, ensure that it is turned off. It is recommended to use the original packaging for transport.
8. If the vacuum will not be used for an extended period, fully charge the battery, turn off the machine, and store it in a cool, dry place. Charge the battery at least once every three months to prevent damage from over-discharging.

FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device must not cause harmful interference.
2. This device must accept any interference it receives, including interference that may cause undesired operation.

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

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, in accordance with Part 15 of the FCC Rules. These limits are intended to provide reasonable protection against

harmful interference in a residential setting. This equipment generates, uses, and can emit radio frequency energy and, if not installed and used as instructed, may cause harmful interference to radio communications. There is no guarantee, however, 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 on and off, the user is encouraged to try to correct the interference by one or more of the following measures:

- * Reorient or move the receiving antenna.
 - * Increase the distance between the equipment and the receiver.
 - * Plug the equipment into an outlet on a circuit different from the one the receiver is connected to.
 - * Consult the dealer or an experienced radio/TV technician for assistance.
- This device contains license-exempt transmitters and receivers that comply with Innovation, Science, and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:
- * This device must not cause interference.
 - * This device must accept any interference it receives, 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.

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, if they are supervised or instructed on how to use the appliance safely and understand the hazards involved.
2. Children should not play with the appliance.

3. Cleaning and user maintenance should not be performed by children without supervision.
4. When recharging the battery, use only the detachable supply unit provided with this appliance.
5. This appliance contains batteries that should only be replaced by qualified personnel.

Warranty

Products that you buy directly from our **Green Lion** website or shop come with a 24-month warranty.

When you buy **Green Lion** products from any of our approved sellers, you only get a 12-month warranty. If you want to extend this warranty, go to our website at <https://www.greenlion.net/warranty> and fill out the form with your information. Don't forget to upload a picture of the product too. After we've checked and accepted your request, we'll send you an email to confirm 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

Service Support: Support@greenlion.net

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