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Powerology

Smart Station Robot Vacuum and Mop

SKU: PPBCHA59

Table of Contents

Before installing and using the product, please carefully read this User Manual to guarantee correct usage and keep it secure for future reference.

Safety Precautions

A. Usage Restrictions

1. To prevent suffocation, keep all plastic bags away from children.

2. This appliance is designed exclusively for residential use, not for outdoor areas such as balconies or non-floor surfaces like couches.

3. Avoid using this product on surfaces without guardrail protection, such as in open or multi-level buildings.

4. Do not operate in environments where the temperature exceeds 40°C or drops below 0°C, or where there are liquid spills or sticky substances on the floor.

5. Before operation, remove any small objects like vases or plastic bags from the floor to prevent accidents and avoid damage to the unit or household items.

6. Individuals lacking the physical, sensory, or mental capabilities, or experience and knowledge, should not use this product without supervision or instruction.

7. Children must not use this device as a toy.

8. Avoid placing the cleaning head where children can access it.

9. Keep hair, fingers, and other body parts away from the vacuum's suction area during operation.

10. Never vacuum sharp or burning objects, such as cigarette butts.

11. Avoid picking up items like shattered glass, nails, or other debris that could damage the machine.

12. Do not use the laser sensor cover or any non-designated handles to carry the unit.

13. When cleaning the vacuum, turn off the device before disconnecting the main unit from the charging base. Do not wash the main

unit or dustbin under water.

14. Never clean any part of the vacuum with wet cloth or immerse it in liquids.

15. Follow all operating instructions as per this manual. Any damage resulting from misuse or non-compliance with these instructions will be the user's responsibility.

B. Battery and Charging

1. Do not incinerate the product, even if severely damaged, as the battery may explode.

2. Only use batteries, chargers, and charging docks specified by the manufacturer to ensure safety and compliance.

3. Disassembling, repairing, or modifying the battery or charging dock without authorization is strictly prohibited.

4. Avoid placing the charging dock near heat sources, such as radiators, to prevent damage.

5. Do not clean the charging dock's electrodes with wet fabric or while your hands are wet to avoid electric shock.

6. Dispose of batteries responsibly. Contact professional recycling services to handle discarded batteries.

7. If the power cord is damaged, have it replaced by authorized service personnel from the manufacturer's maintenance department to ensure safety and proper functionality.

8. When transporting the vacuum, ensure it is turned off and use the original packaging for safe transport.

**9.** Avoid pouring water into or submerging the device to prevent damage.

10. If the vacuum will not be used for an extended period, turn off the device after fully charging it, and store it in a cool, dry place. Recharge the battery at least once every three months to prevent over-discharge.

11. To remove the battery, use the appropriate tool to unscrew the bottom battery cover, disconnect the battery terminal, and then remove the battery from its compartment.

12. Always remove the battery from the vacuum before disposing of the appliance.

**13.** Ensure the appliance is switched off before removing the battery.

Note: Please prepare the cleaning area by following the guidelines provided in this manual before operating the device.
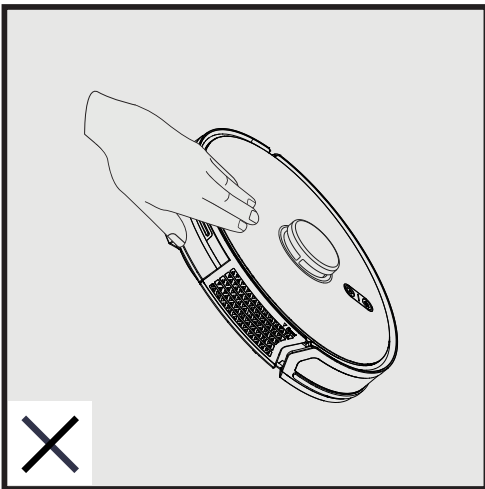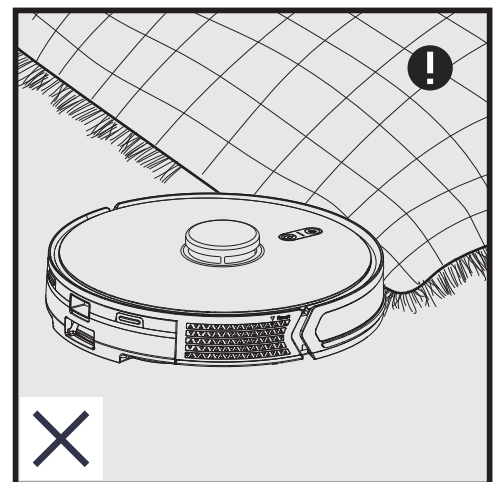

Caution: Avoid lifting the machine from the end by one hand to prevent spilling from the water tank, which can cause damage.
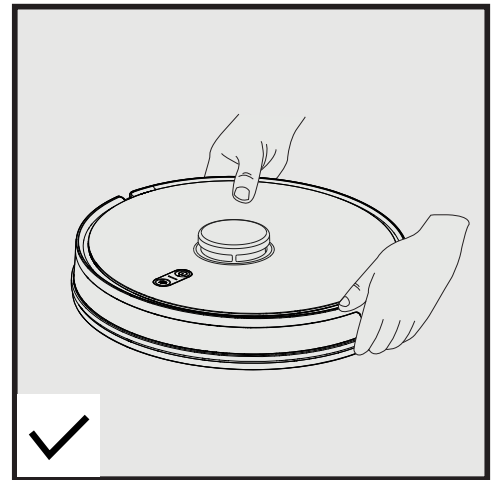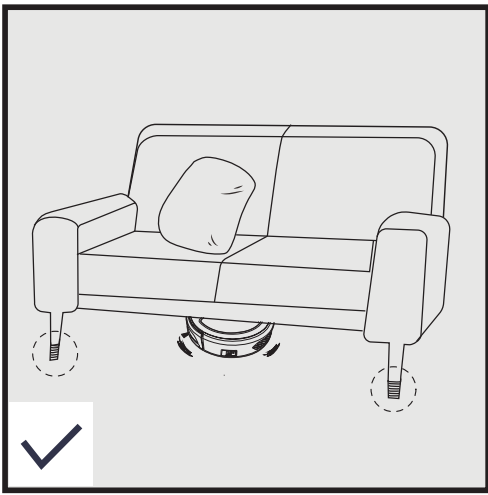

Always hold the machine horizontally using both hands, as depicted in the illustration.
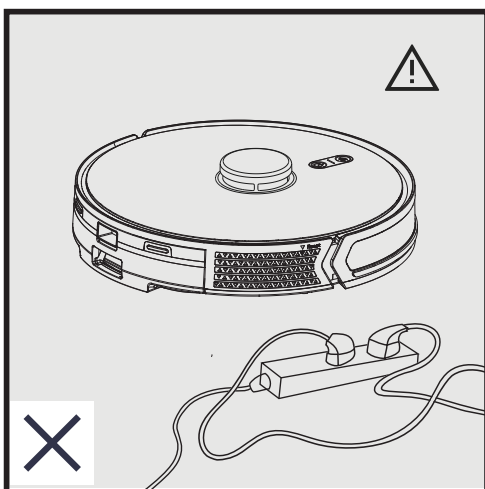
Clear the floor of power cords and other small items to prevent them from tangling with or wrapping aro- und the product before starting.

Please tuck the fringe of the carpet under or use the product on short -wool carpets to ensure optimal performance.
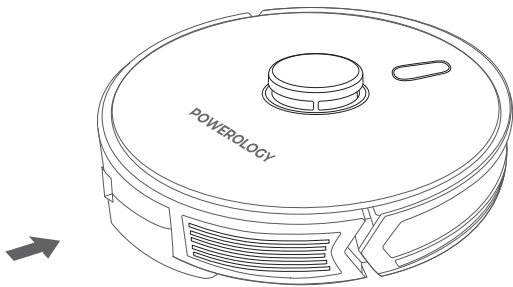
If the clearance under household furniture is less than 10 cm, it may obstruct the product. Please elevate the furniture if cleaning underneath is required.
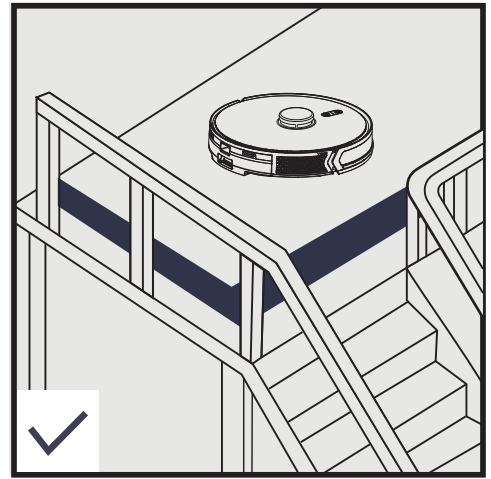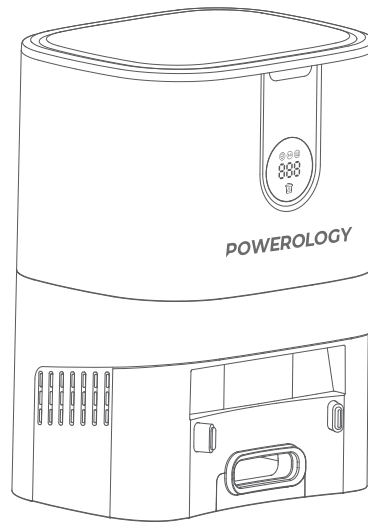
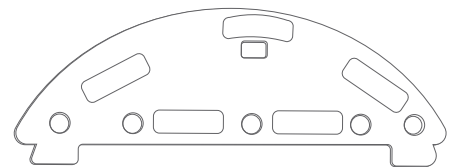Install guardrails at the edges of multi-level surfaces to ensure the product operates safely.
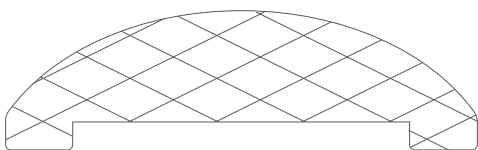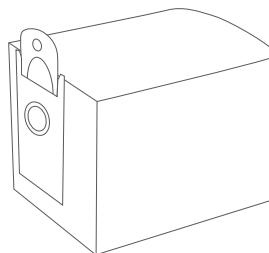
Package Contents

Smart Station Robot Vacuum

Charging Dock with Dust Box
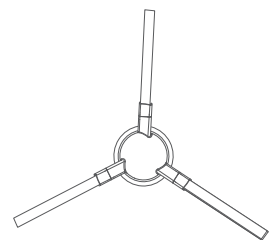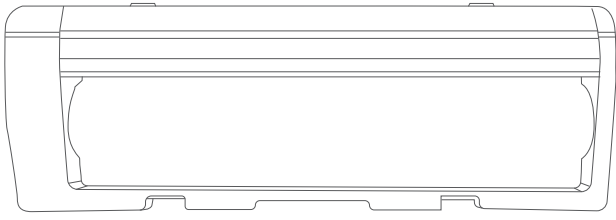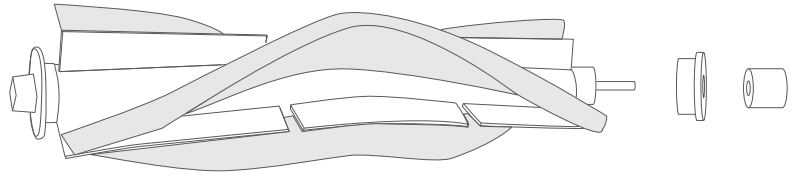

Mop Holder

Mop

Dust Bag

Side Brushes

Installed Components

Main Brush Cover

Main Brush
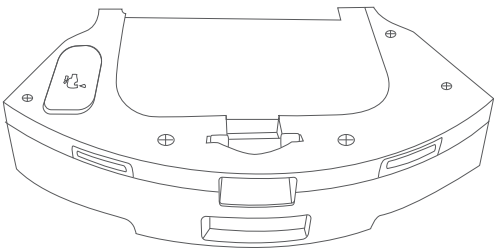
Water Tank 1-in-2
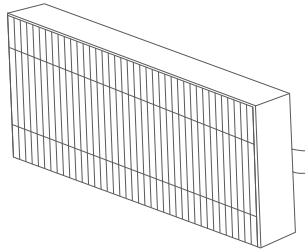
HEPA
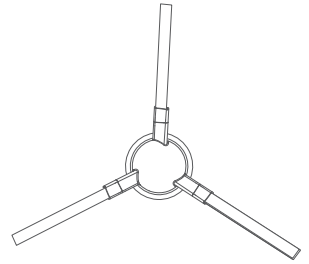
Side Brushes

Note: Dust bags cannot be recycled, please replace them regularly.

Dust Bag Handle

Dust Bag

Cleaning Tool
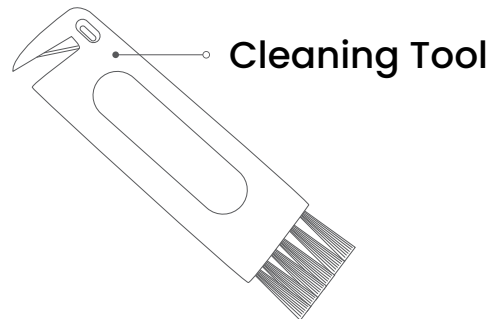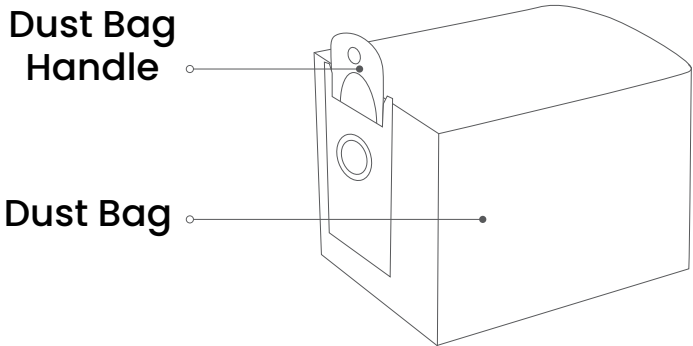
Specifications

Product Name	Smart Station Robot Vacuum and Mop
SKU	PPBCHA59
Rated Voltage	100-240V
Battery capacity	5200mAh, 14.8V Li-ion
Vacuum Rated Power	50W
Power Plug	UK 3pin
Motor	Brushless Motor
Recharge Time	5H
Working Time	3H
Dust Bag Lifespan	up to 60 Days
Dust Bin Capacity	380ML
Water Tank Capacity	250ML
Charging Dock Output	DC 24V/2A
Charging Dock Rated Power	950W
Noise Level	≤65dB
Climbing Angle	15°
Net Weight	4.2kg
Dimension	345×345×97mm

Function Introductions

[A] Power On/Off

1. To power on or off the robot vacuum, press and hold the power button ⏻ for more than 3 seconds.

2. To start or pause cleaning, briefly press the power button ⏻ .

3. LED Indicator:

3.1 Green: Indicates normal operation, standby, or fully charged.

3.2 Red: Indicates low battery, fault alarm, or currently charging.
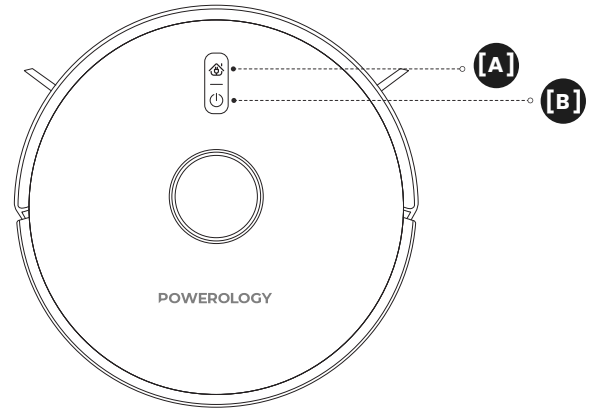
[B] Automatic Recharge/APP Network Configuration

1. To start or stop automatic charging: Briefly press the auto charging button 🏠 .

2. For App hotspot network configuration: Power on the robot and press and hold the auto charging button 🏠 for more than 3 seconds until the robot announces "Start network connection mode". The power button indicator ⏻ will turn green and start to flash, indicating that the device is initiating network connection mode.

Recharge Button

Power Button

Laser Obstacle Sensor

Laser Range Sensor

Laser Collision Avoidance Sensor

Dust Collector Cover

Dust Collector Button

System Reset Button

Schematic View

Charging terminal

Cliff Sensor
(Cliff detection at 9 cm)

Cliff Sensor
(Cliff detection at 9 cm)

Side Brushes

Battery Cover

Driving Caster

Driving Caster

Main Brush

Universal Caster

OPEN

Main Brush Cover
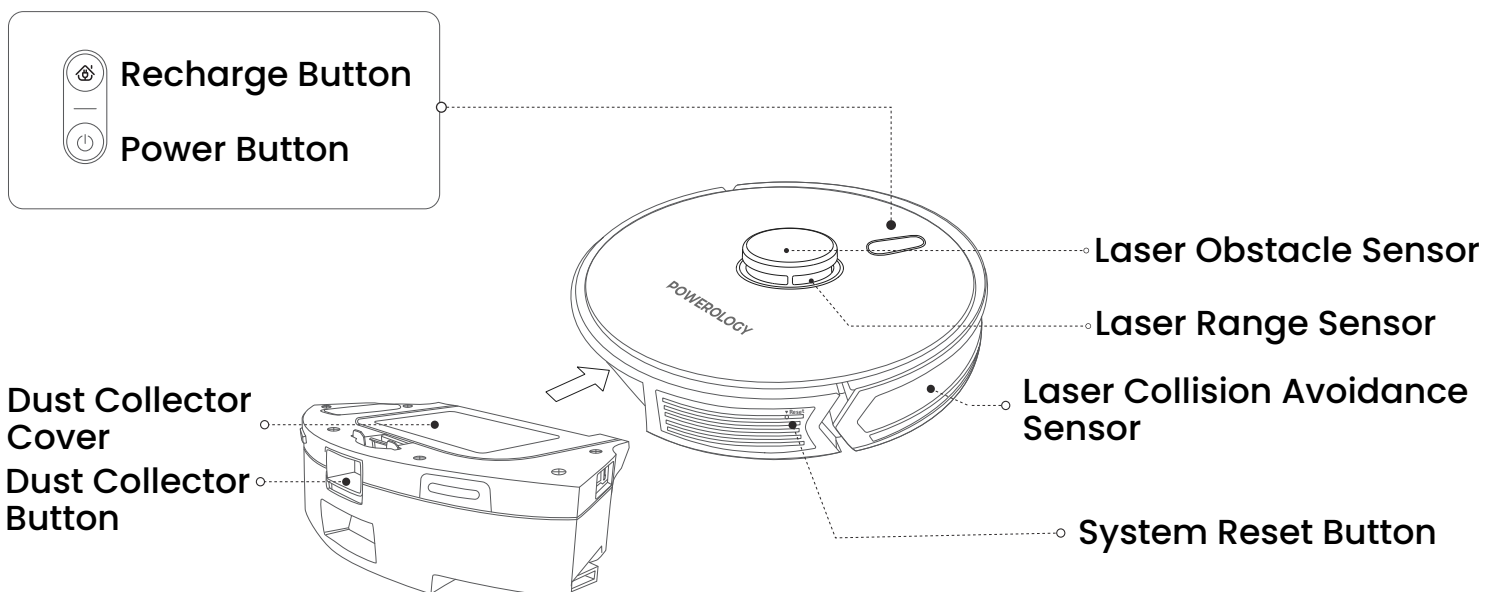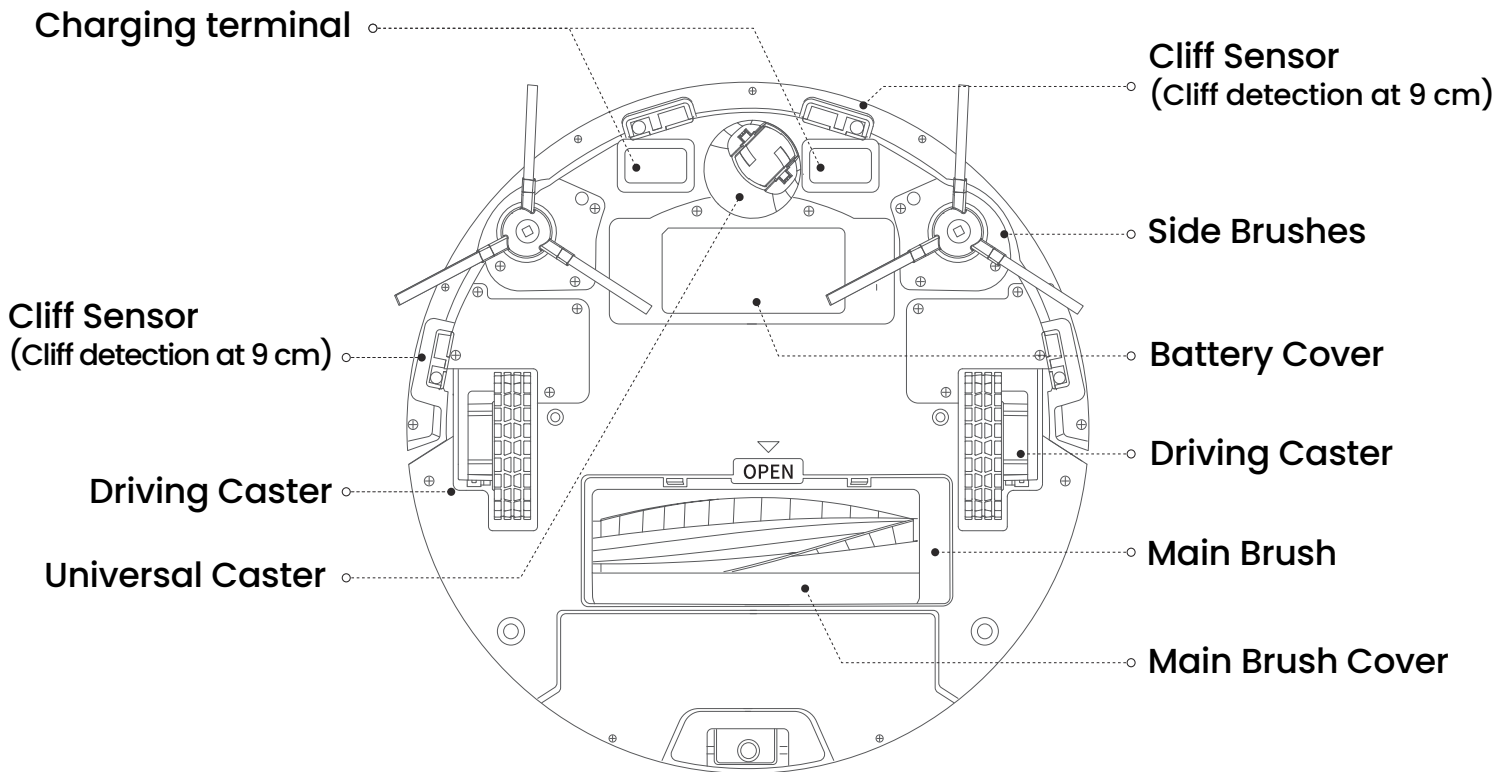
Indicator Light Guide

Machine Status	Power Button Indicator Light ⏻	Recharge Button Indicator
Standby	Solid Green Light	OFF
Charging	OFF	Flashing Red Light
Pause	Solid Green Light	OFF
Working	Solid Green Light	OFF
Recharging	OFF	Solid Red Light
Abnormal Operation	Flashing Red Light	OFF
Turning on	Flashing Green Light	OFF
Turning off	OFF	OFF
Wi-Fi disconnected	Flashing Green Light	OFF
Wi-Fi connected	Solid Green Light	OFF
Connect to a Wi-Fi	Flashing Green Light	OFF

Charging Dock Guide

A. Structure

Cover

Top Cover
(Open the top cover and put in/remove the dust bag.)

Dust Bag Storage Box

Display

Infrared Lens

Rechargeable Dust Collection Connector

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Vacuum port
(The garbage in the main machine will be sent to the dust bag through the vacuum port.)

B. Display Guide

Deodorizing Function Indicator

Connection Indicator with Vacuum

Dust Box Full Indicator

LED Display

Headlight Ring

Enable Garbage Collection

C. Installation

To set up the charging dock, position it against a wall on level ground. Then, plug the power cord into an appropriate electrical outlet and switch on the power.
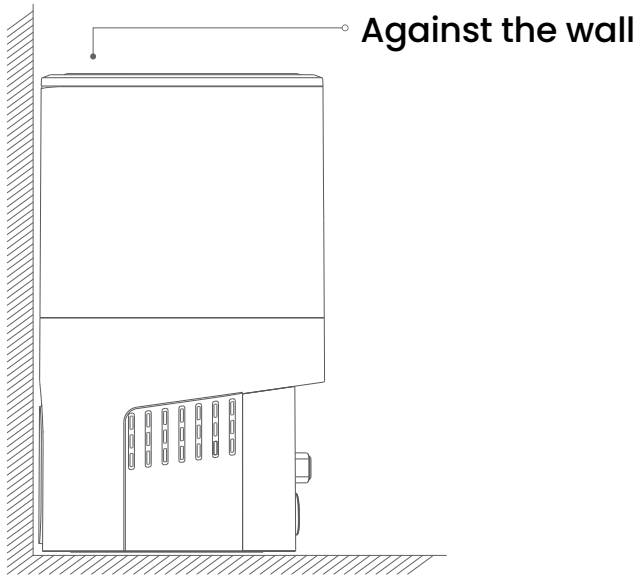
Ensure there are no obstructions within 1.2 meters in front of the charging dock and 0.5 meters on both sides to facilitate clear access.

Against the wall

0.5m   0.5m

1.2m
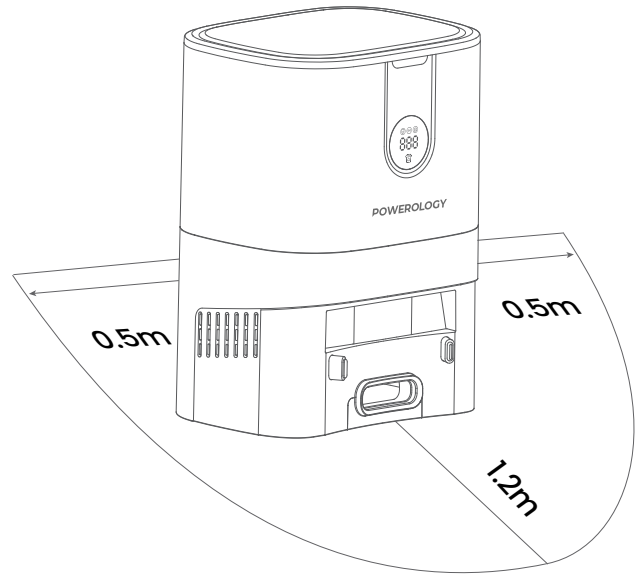
Instruction for Use

A. Charging

1. Charge the robot by pressing and holding the ⏻ button for 3 seconds to turn on the robot.

2. Press the button to enable automatic recharging. The robot will transition to a ready-to-work state once fully charged.

0.5m   0.5m

1.2m
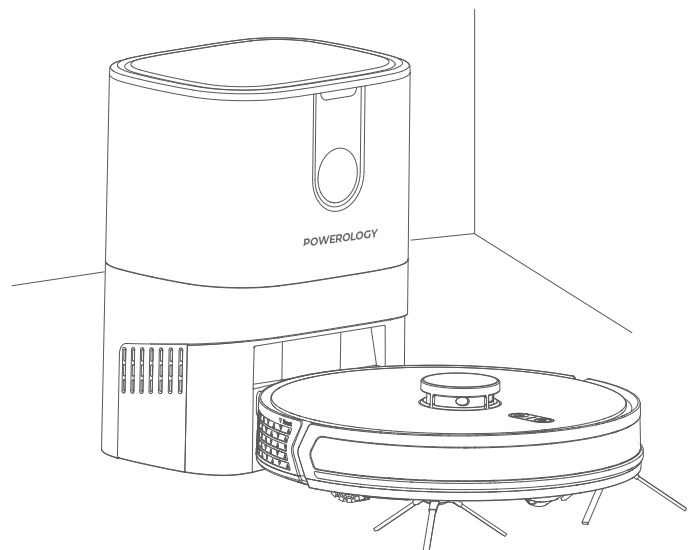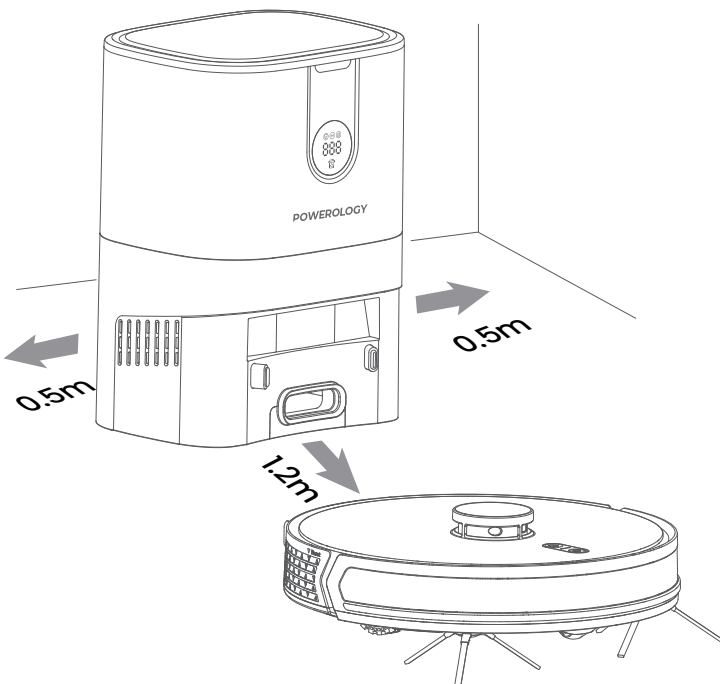
Note

1. Ensure the robot is fully charged before beginning the initial cleaning task.

2. Clear the floor of wires and other objects to prevent entanglements and collisions during cleaning.

3. Start the cleaning task from the charging dock equipped with a dust box for best results.

4. If the robot's battery runs low during cleaning, it will automatically return to the charging dock.

5. Once recharged, the robot will resume cleaning from where it left off.

B. Power On/Off

To use your robot vacuum, follow these instructions:

1. To power on the vacuum, press and hold the ⏻ button for 3 seconds. Upon activation, the power indicator's green light will flash for 5 seconds and the device will voice a greeting. The robot then enters standby mode.

2. To start a global cleaning, briefly press the ⏻ button or hold it for 3 seconds to activate the Wi-Fi network.

3. If the robot is idle, press and hold the 🔋 button for 3 seconds to power it off. During cleaning, press the ⏻ button to pause the task.

4. The robot enters sleep mode after 10 minutes of inactivity. To wake it, press any button.

Note: The robot cannot be turned off nor will it enter sleep mode while charging.

C. Automatic Recharge/Manual Recharge

1. When the battery is low during the cleaning process, the robot will automatically start recharging. Similarly, it will automatically recharge after completing its cleaning cycle.

2. To pause the robot during cleaning, briefly press the ⏻ button.

To send the robot back to its charging dock with the dust box for collecting dust and recharging, briefly press the ⌂ button.

D. Set the Cleaning Mode

The default cleaning mode is set for cleaning the entire house. After pairing with the mobile app, you have the option to select from various cleaning modes available within the app.

E. Filling the Water Tank

To pause the robot, briefly press the ⏻ button, then remove the mopping module to add water or clean the mop. Once done, reattach the mopping module and press the ⏻ button briefly to resume cleaning.

Notice

1. If the robot malfunctions, it will issue a voice alert and the power indicator will flash red.

2. If the robot remains inactive for 10 minutes while in a fault state, it will automatically enter sleep mode.

To resolve the issues, please refer to the Troubleshooting section.

App Connectivity

1. Scan the QR code to download the "Powerology" app.

2. You can also find and download the "Powerology" app in the App Store and Google Play store.

3. Before using this app, make sure your phone is connected to a 2.4GHz WiFi network and Bluetooth is enabled.

Reset Function

1. Press and hold the automatic recharge button for more than 3 seconds. You will hear a "ding dong" sound indicating the start of fast network distribution.

The voice prompt will announce "start fast network distribution". The power button will flash quickly, signaling that the device has entered the fast network configuration mode.

2. If the Wi-Fi quick connection fails, select "hotspot network". To activate the hotspot distribution network, press and hold the automatic recharge button for more than 6 seconds. The device will emit a "ding dong" sound followed by the voice prompt "Start AP distribution network". The green light on the host power button will flash quickly, indicating the device has entered the AP hotspot distribution network mode.
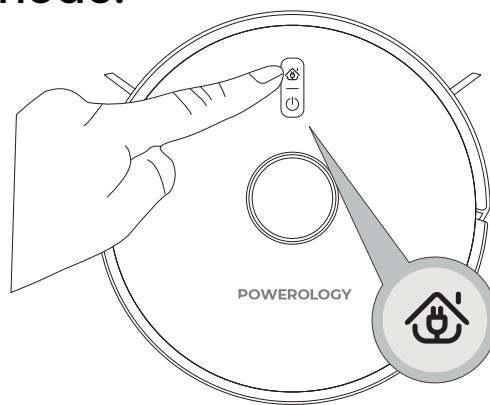
Charging Dock Maintenance

A. Replace the Dust Bag

When the dust bag is full, the indicator light will be continuously white and always on. The app will notify you to replace the dust bag promptly.
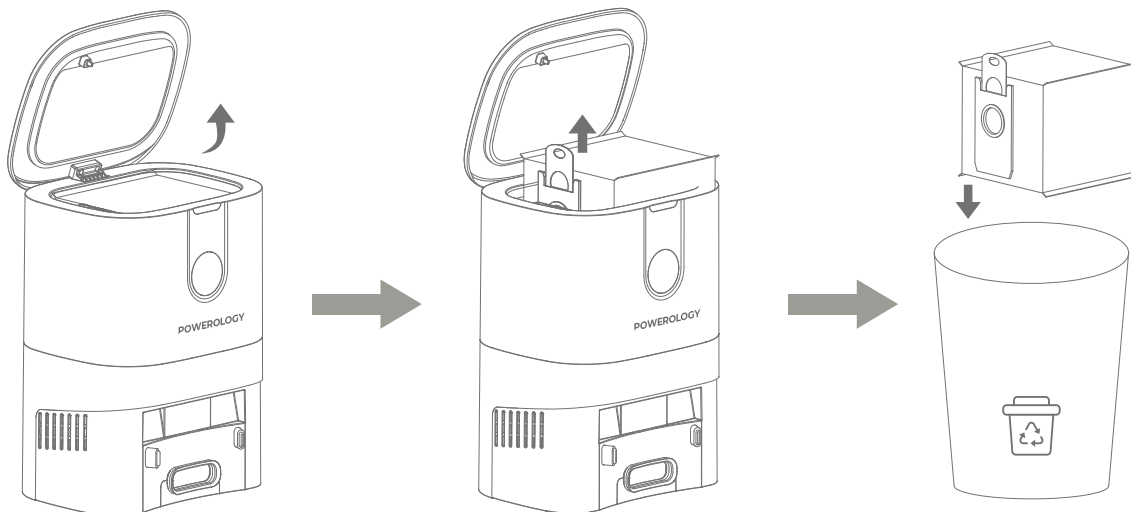
| Open the Top Cover | Pull the dust bag handle upwards and carefully remove the dust bag. | Properly discard the used dust bag. |
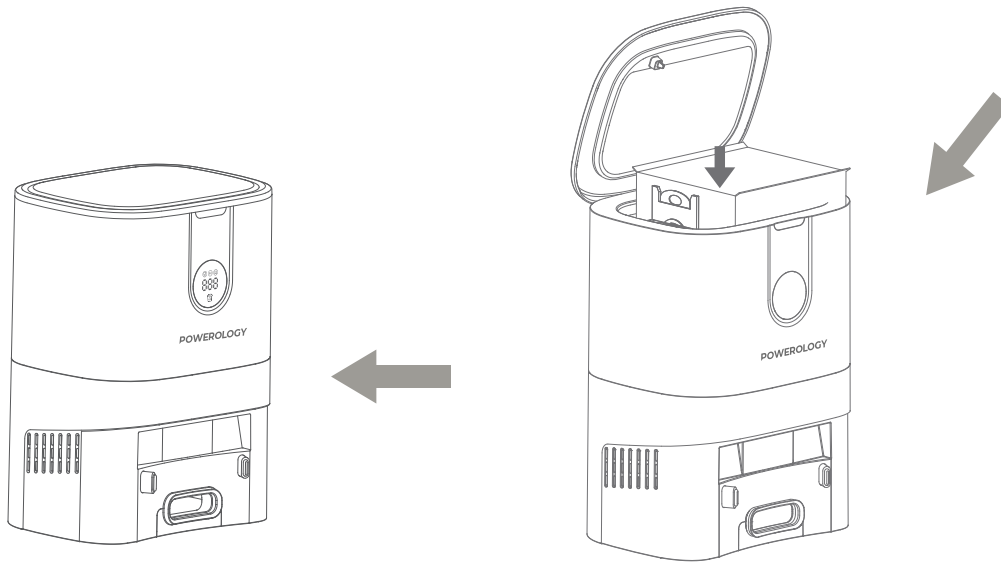
Securely close the top cover
after replacing the dust bag.

Place a new dust bag into
the vacuum.

B. Clear Dust Tube

1. If the indicator light on the charging dock with the dust box remains red, unplug the power, remove the dust box, and inspect the dust channel for blockages. If blocked, clear the obstruction.

2. Use a screwdriver to remove the transparent cover of the dust tube and clean out any foreign objects.

3. After cleaning, reassemble the dust tube and ensure it is properly secured.

Note: Do not forcefully disassemble the unit.

Transparent Cover

Dust Tube
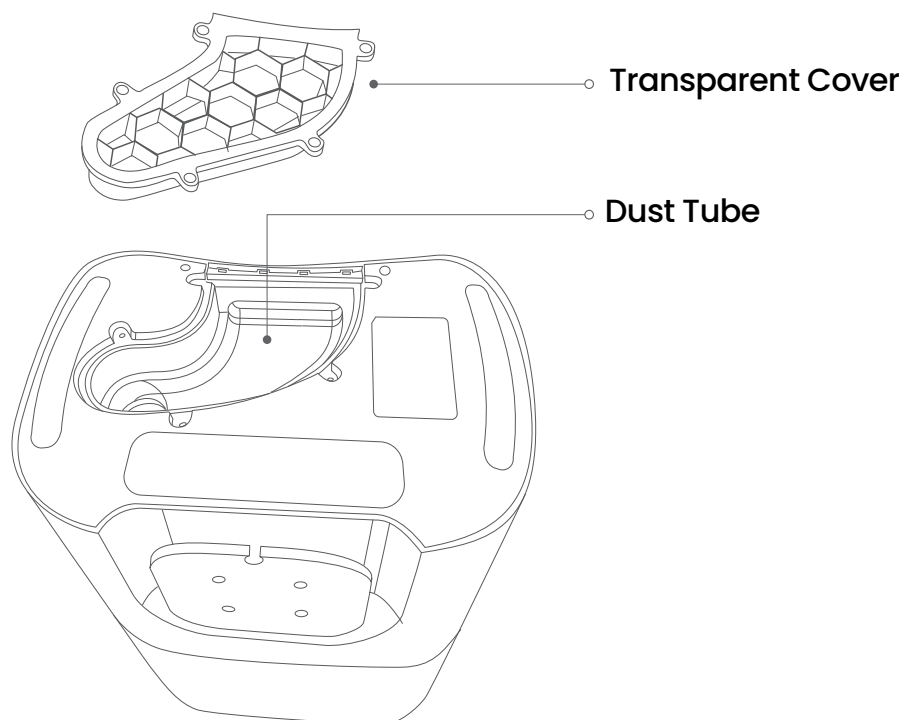
C. Clean the Infrared Lens/Sensor

Gently wipe the infrared lens or sensor head with a clean, soft, dry cloth. It is recommended to perform this cleaning once a month to ensure optimal performance.

Infrared Lens

Sensor Head
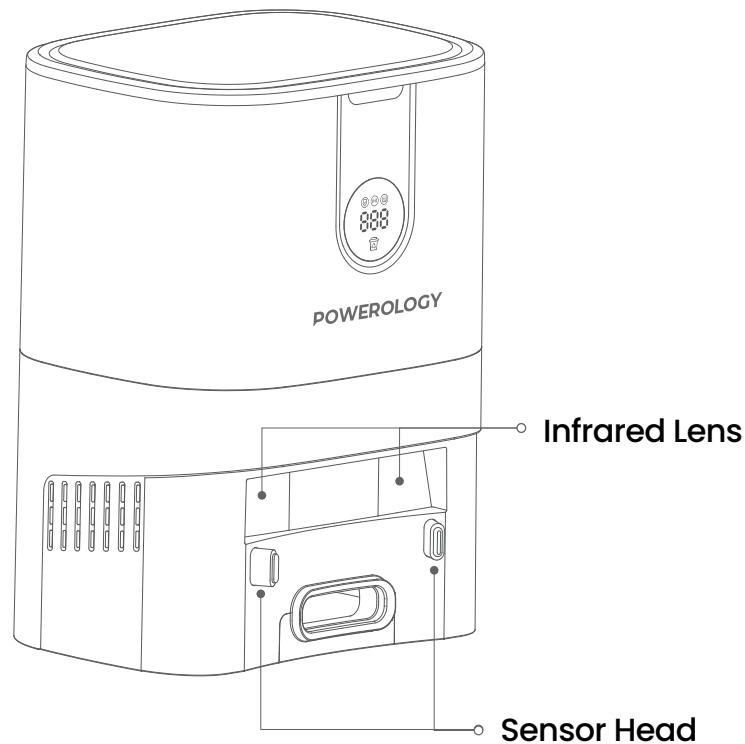
D. Clean the Fan Filter

The fan filter is located beneath the dust bag. When dust accumulates, wipe the filter with a clean, soft, dry cloth. It is recommended to clean the fan filter once a month to maintain optimal performance.

Fan Filter
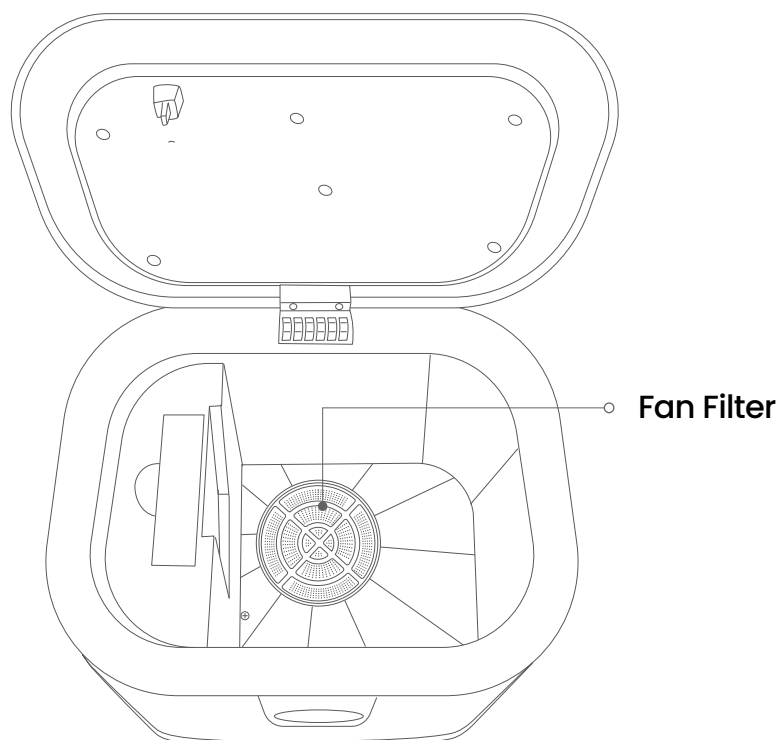
Clean the Main Brush

1. The main brush should be cleaned at least once a week. To maintain cleaning efficiency, it is recommended to replace the main brush every 6 to 12 months.

2. Turn the sweeping and mopping robot over, press the buckle to remove the main brush cover and the main brush.

3. Use the provided cleaning tool to cut away any tangled hair or debris on the main brush.

4. Use the cleaning brush on the opposite end of the tool to thoroughly clean the main brush.

Note: When flipping the robot, take care to avoid collisions that may damage the lidar.

Main Brush Cover

Main Brush
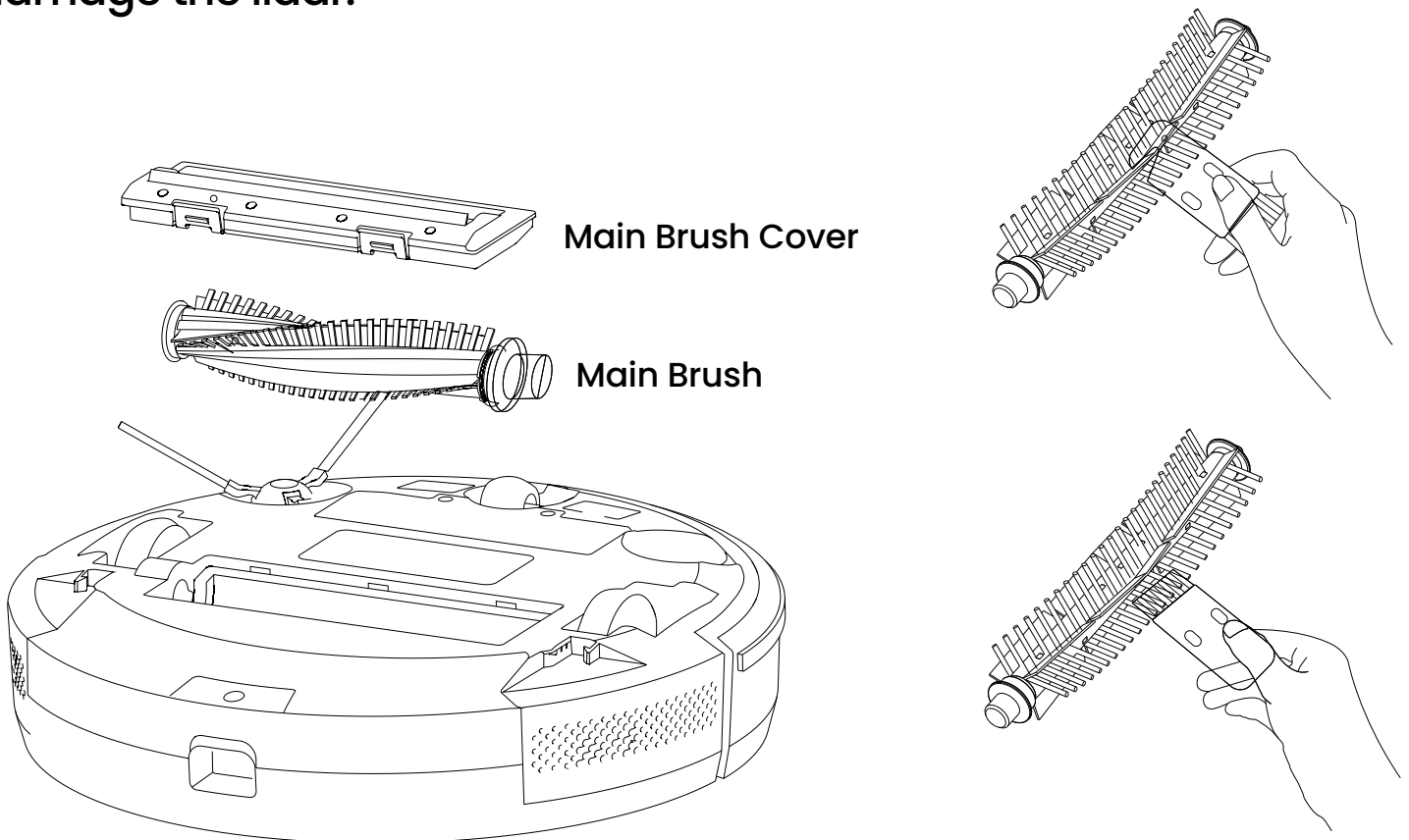
Clean or Replace the Side Brush

1. First remove the side brush
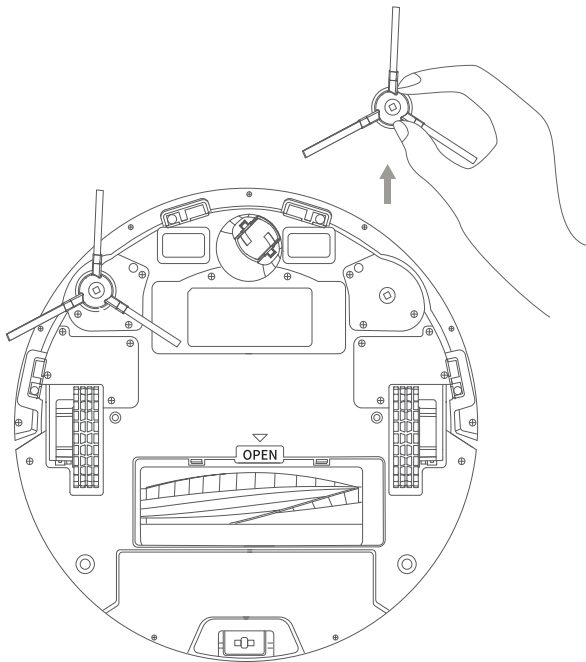
2. After cleaning the side brush, reinstall it into the robot. If necessary, install a new side brush following the same procedure.

Remove the side brush
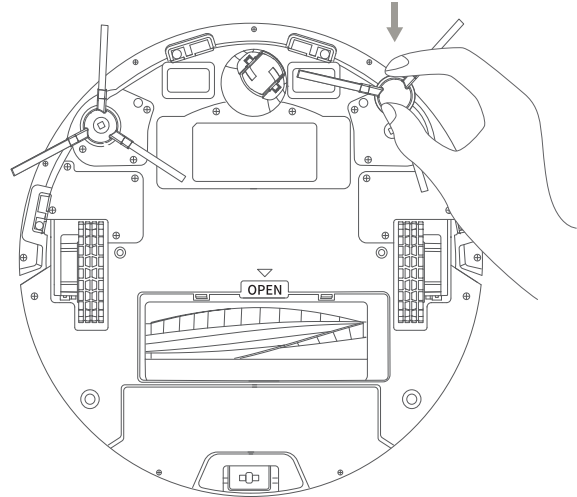
Install the side brush

Note: The side brush is a consumable part. For optimal cleaning performance, it should be replaced every 3 to 6 months.

Cleaning Vacuum Sensor

It is recommended to gently clean each sensor weekly with a soft, dry cloth to ensure the optimal performance of the machine.

Robot Vacuum Cleaner Sensors	
Cliff sensor ×4	Infrared sensor ×3
Electrode ×2	Wall sensor ×1

Charging terminal

Laser range sensor

Cliff sensor

Laser obstacle sensor

Cliff sensor

Laser obstacle sensor

OPEN
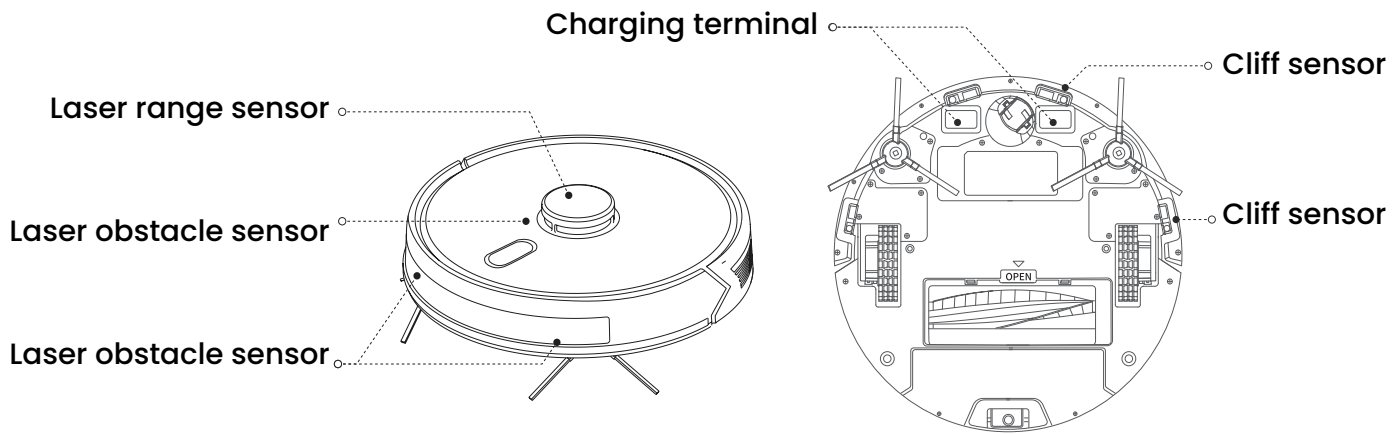
Charging Dock Sensors	
Infrared lens ×2	Sensor head ×2

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Infrared lens

Rechargeable dust collection connector
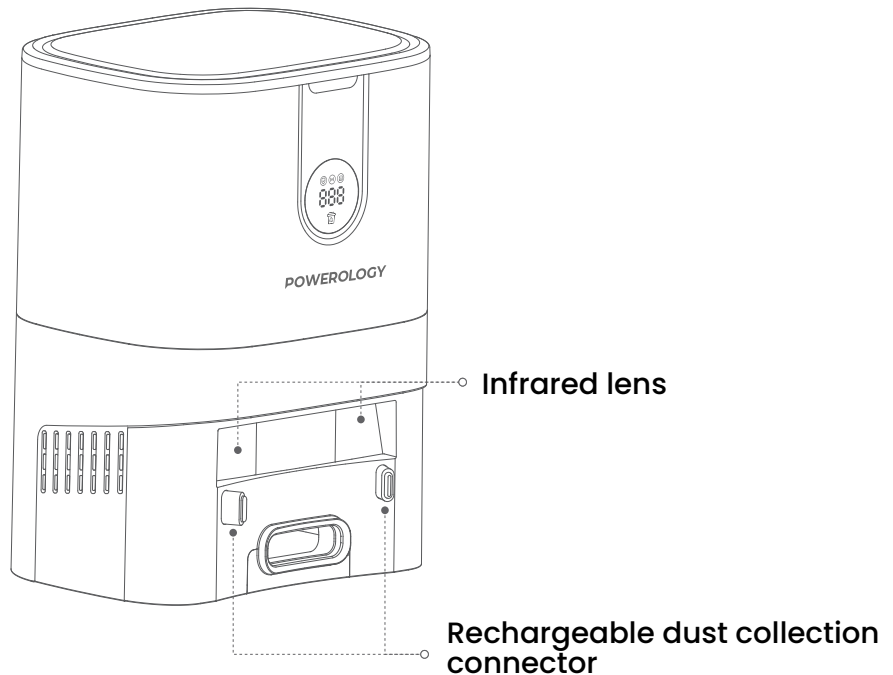
Battery Maintenance

1. The robot is equipped with a high-performance rechargeable lithium-ion battery pack. To maintain optimal battery performance, keep the battery charged at all times.

2. If the robot is not in use for an extended period, turn it off, store it in a safe place, and charge the battery at least once every three months to prevent damage from over-discharge.

Cleaning Vacuum's Water Tank

Press and hold the release button of the 2-in-1 water tank, and gently pull it out.

Buckle of the Dust Box
(Release Button of the 2-in-1 Water Tank.)

1

Dust Box
(Cover of Water Tank/Water Inlet)
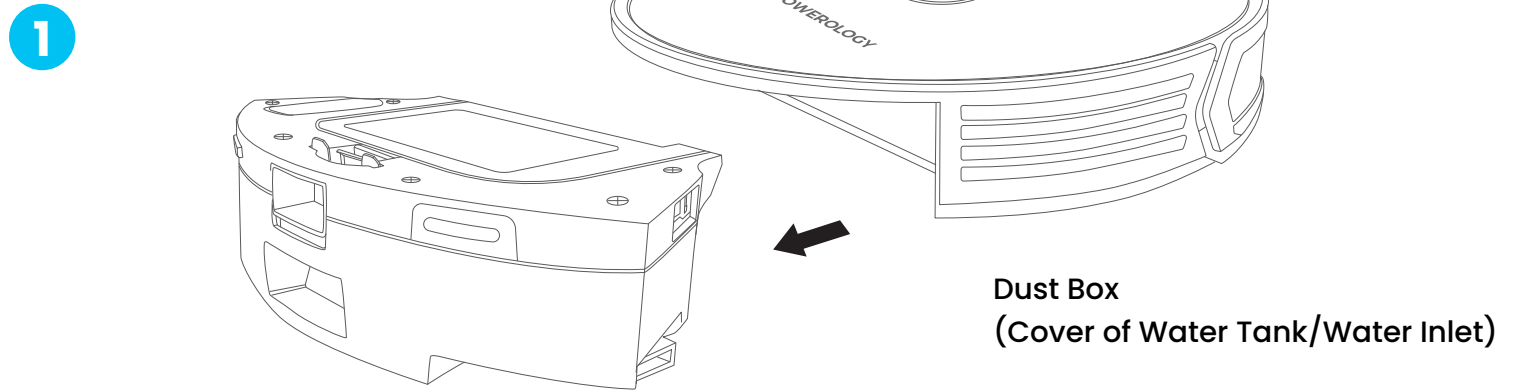
Press the buckle of the dust box to open it.

2
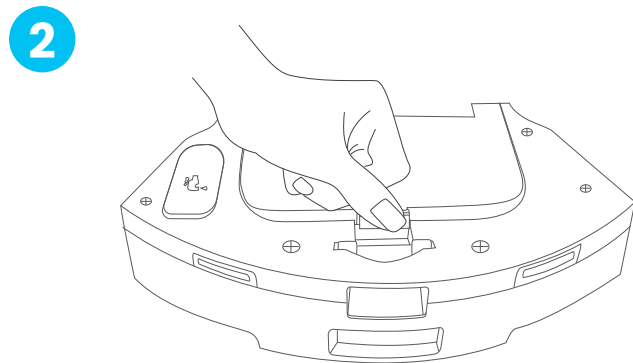
Remove the filter holder.

3

Remove the filter.

4
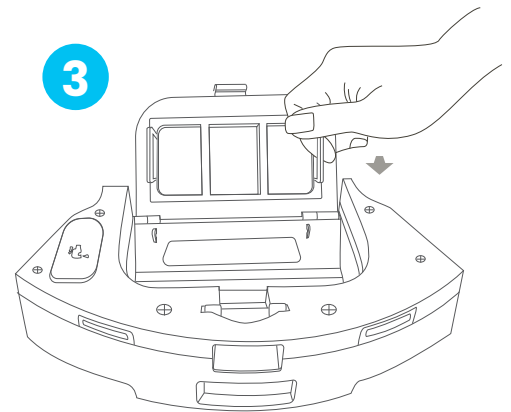
○ Filter holder
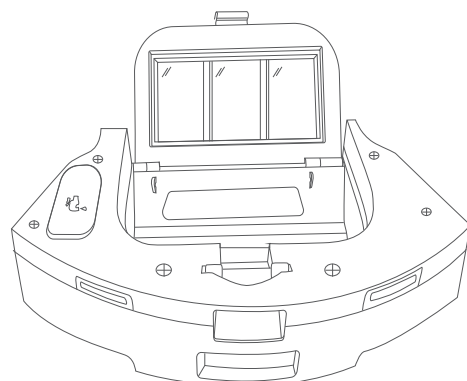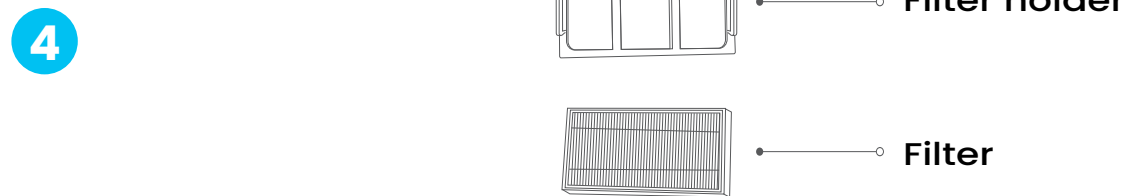
○ Filter

Use a cleaning brush to remove debris from the filter and filter holder.

5

Note: The filter is a consumable item. We recommend replacing it every 3-6 months.

Clean the dust box with running water.

6

Open the water tank cover and fill it with water.

7
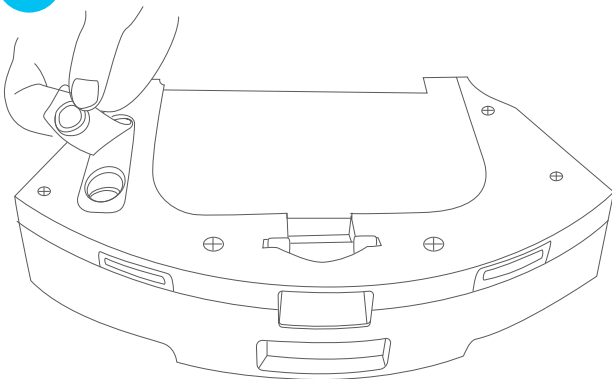
Note: Please use purified water.

Flip over the 2-in-1 water tank and remove the mop for replacement or cleaning.

8
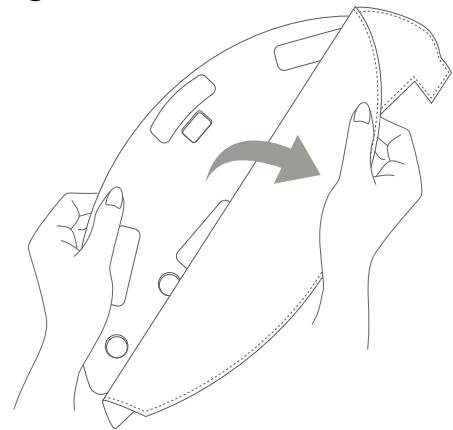
Notes:
1. Ensure to clean the mop promptly if it is overly dirty, as this can impact the quality of mopping.
2. Always remove the mop to clean it and only reinstall it once it is completely dry.
3. Avoid cleaning the mop while it is still attached to the water tank, as dirty water can clog the filter element.
4. Since the mop is a consumable item, replace it every three to six weeks to maintain optimal performance.

Troubleshooting

When an operational issue occurs, the power indicator will quickly flash red and the robot will provide a voice alert for certain problems. Refer to the table below for troubleshooting.

Voice Prompts/Problem	Possible Cause	Solution
Check if the radar is stuck.	Lidar is blocked or stuck.	Remove any obstructions or move the robot to an open area and restart.
Verify whether the bumper is jammed.	Bumper sensor is stuck.	Clear foreign objects around the bumper, or remove the main unit to check if the radar is stuck.
Clean the cliff sensors and ensure the robot starts in a safe area.	The cliff sensor is triggered after starting the robot.	Wipe the cliff sensor and place the robot on a flat, open surface before starting.
Inspect the main brush for obstructions.	Main brush is stuck.	Clean the main brush or remove the main unit for inspection.
Check if the side brush is obstructed.	Side brush is stuck.	Clean the side brush, or remove the main unit for further checking.
Ensure the main wheel is not stuck.	Main wheel is stuck.	Inspect and clean the main wheel or remove the main unit for troubleshooting.
Reinstall the water tank and restart the device.	The 2-in-1 water tank is removed.	Reinstall the 2-in-1 water tank and filter properly.
Battery level is low. Start recharging the battery.	Low battery during cleaning process.	Low battery detected, please recharge before use.
Check for abnormalities in the fan function.	Fan abnormal.	Turn off the robot and restart it to resolve the issue.
Clean the wall sensor on the right side.	Wall sensor error.	Clean the wall sensor thoroughly.
Ensure the radar cover is not squeezed.	Radar cover is stuck.	If the Lidar is pressed or stuck, move the robot to a different location and try again.
Check if the battery is damaged or not properly installed.	Battery error during charging.	The battery temperature is either too high or too low. Please wait until the battery returns to a normal temperature before using.

The machine cannot turn on.	Low battery or abnormal temperature.	The battery is low. Please charge it before use. If the temperature is too low (below 0°C) or too high (above 50°C), adjust the temperature accordingly.
The device is unable to charge.	1. The charging dock is not powered. 2. The charging sensor head is dirty. 3. The charging sensor head has poor contact.	1. Ensure that the charging dock is properly connected to the power supply. 2. Regularly clean the robot's charging electrode and the sensor on the charging dock. 3. Remove any obstructions, such as side brushes or foreign objects, causing poor contact. You may also try relocating the robot manually.
Recharging failed, unable to locate the charging dock.	The charging dock is blocked or too far away.	Place the charging dock in an open area. Move the robot closer to the dock and attempt to charge again.
Identify and troubleshoot any irregular operations.	Main brush/side brush is entangled by clogging objects.	Turn off the machine and remove any obstructions or clogged objects before restarting.
Reduced cleaning efficiency or dust leakage	The dust box is full, the filter is clogged, or the main brush is tangled.	Please clean the dust box, filter, and main brush promptly.
Scheduled cleaning fails to activate	Low battery.	Ensure the battery level is above 15 % before initiating scheduled cleaning, and keep the battery consistently charged.
Unable to connect to the app	Wi-Fi network error, incorrect Wi-Fi password, or app malfunction.	Make sure the robot is within a strong Wi-Fi signal area; re-enter the Wi-Fi password, reset the robot, or update the app and try again.
Mopping module does not release water, or water output is insufficient	The water tank is low on water, the mop is too dirty, or the mop holder is not properly secured.	Check if the water tank has sufficient water, clean the mop, and properly reinstall it according to the instructions. Also, ensure the water outlet is not blocked and use clean water without impurities.
Excessive water output from the mopping module	The water tank cover is not closed properly, or the water output is set to the maximum level.	Ensure the water tank cover is securely in place. Adjust the water level using the app, fill the tank, and check for any signs of leakage.
Insufficient battery during cleaning, and the robot does not resume from the last cleaning point after recharging	The robot is in Do Not Disturb mode or needs manual recharging after cleaning.	Verify in the app that the robot is not in Do Not Disturb mode, as it will not resume cleaning in this mode. Manually recharge or return the robot to the charging dock if needed. The robot will not continue its task unless the app's breakpoint resume function is enabled.
Unable to return to the charging dock in fixed-point cleaning mode or after the robot has been relocated	The robot is recreating the map or has moved too far from its designated area.	After fixed-point cleaning or long-distance movement, the robot may need to recreate its map. If the charging dock is too far away, the robot may not automatically return for charging. Please manually place the robot on the charging dock.

When an issue occurs during the operation of the dust collection and charging station, the corresponding icon on the display will light up, and the app will notify you. Please refer to the following table to help resolve the issue.

Problem	Possible Cause	Solution
Dust collection failed	Dust bag is not properly installed	Please ensure the dust bag is properly installed.
Dust bag is full or clogged	Fan overheating protection triggered or failure. Dust bag is full or blocked.	Replace the dust bag, and promptly clean the charging dock, including the suction port, dust tube, fan filter, etc.

Material Content Chart

Component Name	Hazardous Substance					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Chromium VI (Cr(VI))	Polybrominated Biphenyls (PBB)	Polybrominated Diphenyl Ethers (PBDE)
Outer Covering	◯	◯	◯	◯	◯	◯
Circuit Block	X	◯	◯	◯	◯	◯
Motor	X	◯	◯	◯	◯	◯
Battery	◯	◯	◯	◯	◯	◯
Accessory	X	◯	◯	◯	◯	◯

Warranty

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

The 24-month warranty applies to products purchased directly from our **Powerology** website or store. If **Powerology** products are bought from any of our verified retailers, then the product is eligible for only a 12-month warranty. To extend your product's warranty, visit our website **powerology.me/warranty** and fill in your details in the provided form along with an uploaded picture of the product to process your request. Once approved, you will receive a confirmation email of the extended product warranty. Upload the required information within 48 hours of purchase to be eligible for a 24-month warranty period.

For more info, please check:
powerology.me/warranty

Contact Us

If you have any questions about this Privacy Policy, please contact us at: **hey@powerology.me**
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