



**Powerology**

**Smart ROBOVAC  
Vacuum and Mop**

SKU: PPBCHA58

# Table of Contents

Safety Regulations	2
Package Contents	4
Schematic View	5
Instruction for Use	6
A. Usage Precautions	6
B. First Use	7
C. Charging Guide	7
D. Installing the Water Tank	9
E. Installing the Mop Board	9
Power On/Off	10
Cleaning Mode Settings	11
Maintenance	13
A. Dust Box and Filter	13
B. Water Tank Filter	15
C. Charging Electrodes, Wheels, Sensor	15
Indicator Light Guide	17
Troubleshooting	18
Specifications	19
Material Contents	20
Warranty	21
Contact Us	21

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**

### **Note**

- 1.** Ensure all potential obstructions like power cords and small objects are cleared from the floor to prevent the unit from being stuck during cleaning. Tuck carpet fringes and other drapery away from the floor.
- 2.** Before using near stairs or elevated platforms, test the unit to ensure it detects edges without risk of falling. Employ protective barriers as necessary to enhance safety.
- 3.** Always adhere to the instructions provided in the user manual and use only accessories recommended by the manufacturer.
- 4.** Verify that the power supply voltage matches the voltage specified on the charging stand.
- 5.** Ensure that the dust box and filter materials are properly installed before use.
- 6.** If the power cord is damaged, replace it immediately to prevent any risk, contacting the manufacturer or maintenance department for assistance.
- 7.** Always turn off the unit before cleaning or performing maintenance.
- 8.** Disconnect the unit from the power socket prior to cleaning or maintenance tasks.
- 9.** Before disposing of the unit, remove it from the charging stand, turn off the power, and remove the battery.
- 10.** If not in use for an extended period, power off the device to preserve battery life.
- 11.** This product is not suitable for children under 12 or individuals with cognitive impairments without adult supervision. Ensure the device is not treated as a toy.

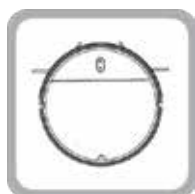
- 12.** Operate this product only in an indoor environment. It is not designed for outdoor, commercial, or industrial use.
- 13.** Avoid using the product in rooms where babies sleep to maintain a quiet environment.
- 14.** Do not use the product if it has a damaged power cord or socket, if it is damaged, or if it does not operate properly.
- 15.** In case of damage, contact the manufacturer or an authorized service center for repair to prevent injury.
- 16.** Follow all instructions in the manual to avoid liability for damage caused by improper use.
- 17.** Keep the device away from cigarette butts, lighters, and other sources of open flame.
- 18.** Avoid using the product in wet areas, such as bathrooms, to prevent water damage.
- 19.** Inform others in the household when the device is operating to prevent tripping or interference.
- 20.** Use this product within a temperature range of 0 to 40 degrees Celsius. Avoid using it in high temperature environments to prevent overheating.

### **Warning**

- 1.** Only use the original battery and charging base supplied by the manufacturer. Do not modify or replace these components yourself. If there is any suspicion of damage, immediately contact the authorized service professionals.
- 2.** Avoid using the product near open flames or in environments where fragile objects may be damaged.
- 3.** Do not operate the product in extremely hot (above 40°C) or extremely cold (below 0°C) conditions.
- 4.** Keep hair, clothing, and body parts away from any moving parts of the product.
- 5.** Do not operate on wet or stagnant surfaces, which may impair functionality.

6. Ensure the product is not obstructed by items like stones or paper, which can hinder performance.
7. Avoid using the vacuum to absorb flammable substances such as gasoline, toner, or items typically found in clean environments that are highly flammable.
8. Never allow the vacuum to ingest burning objects like cigarettes or matches.
9. Do not place objects within the cleaning path that could block the suction area. Keep the suction inlet clear to ensure efficient airflow.
10. Handle the power cord with care. Avoid using the power cord as a handle, clamping it in doors, pulling it around sharp corners, or operating the vacuum over it. Keep the cord away from heat sources.
11. Do not use a damaged charging base. Always ensure it is in good working order before use.
12. If the product is severely damaged, avoid any actions that might lead to further damage or risk, such as attempting to burn it, as this could result in a battery explosion.

## Package Contents



Robot Vacuum



Charging Base



2 AAA batteries for Remote Control



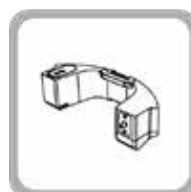
Remote Control



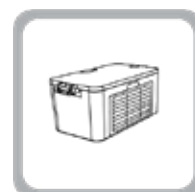
Adapter



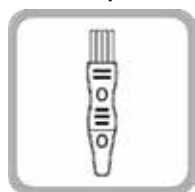
Mop Accessories



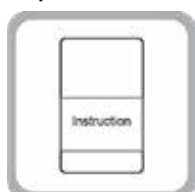
Water tank



Dust Box & Filter



Cleaning Brush



Instruction Manual



2 Side Brushes

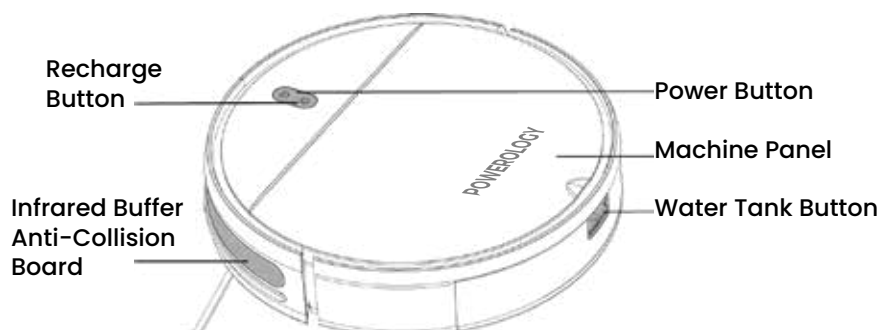


4 Water Tank Filter Cottons

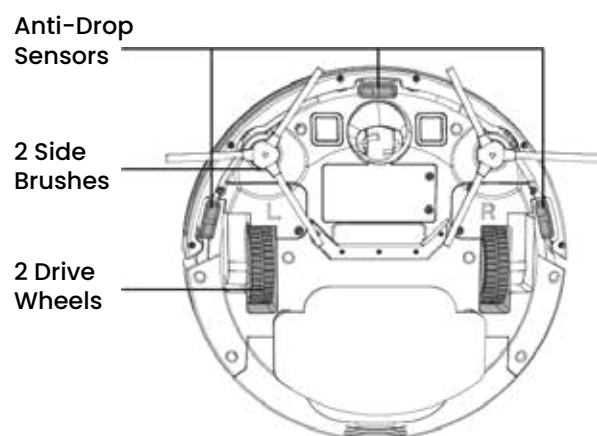
# Schematic View

## [A] Vacuum Cleaner

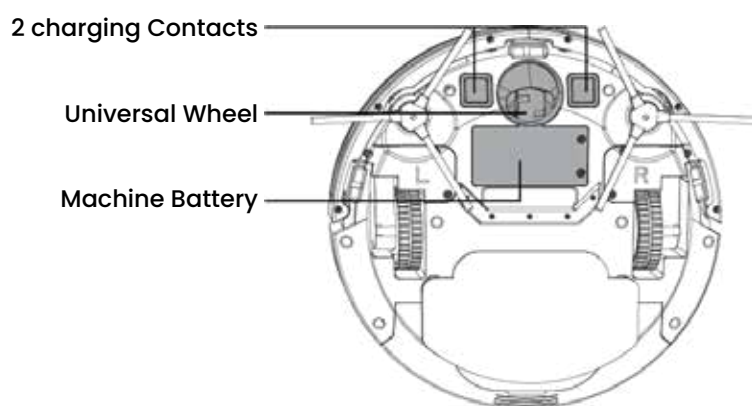
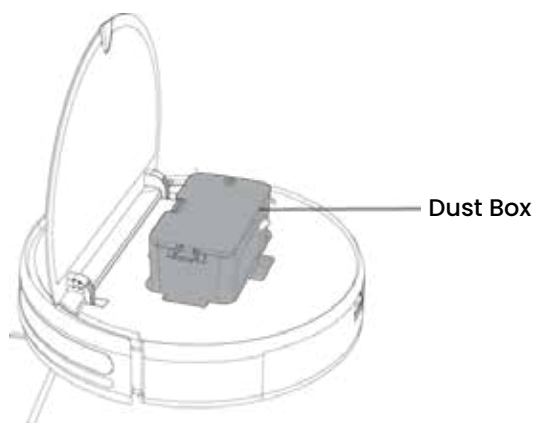
### a. Front View



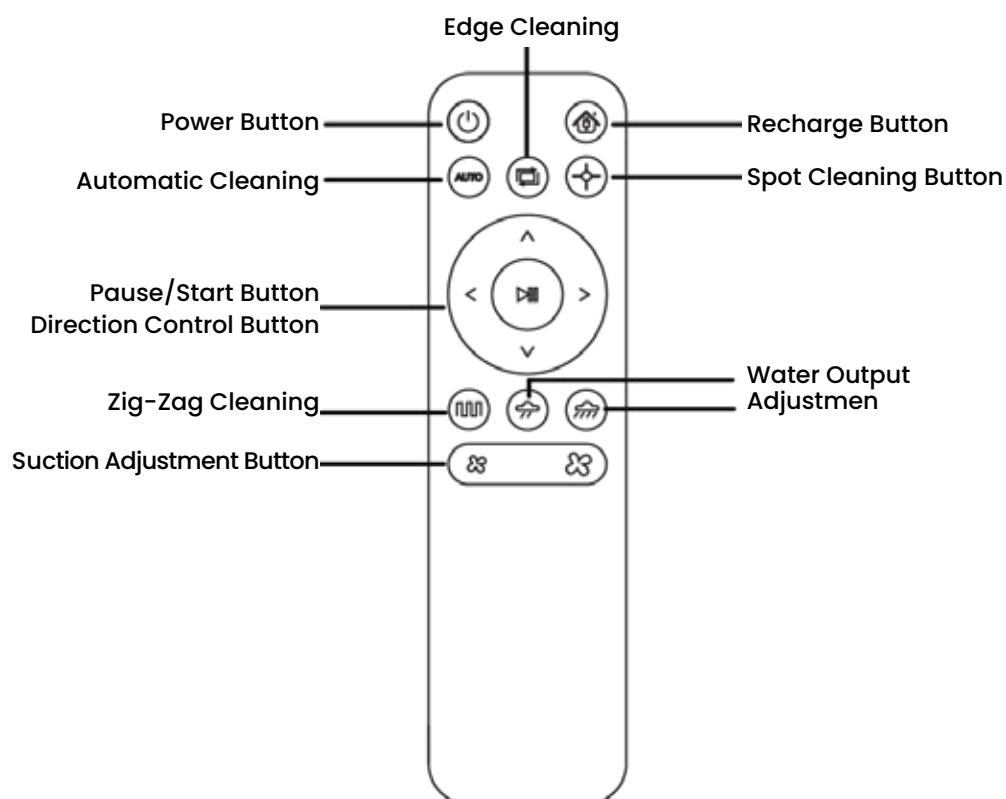
### b. Back View



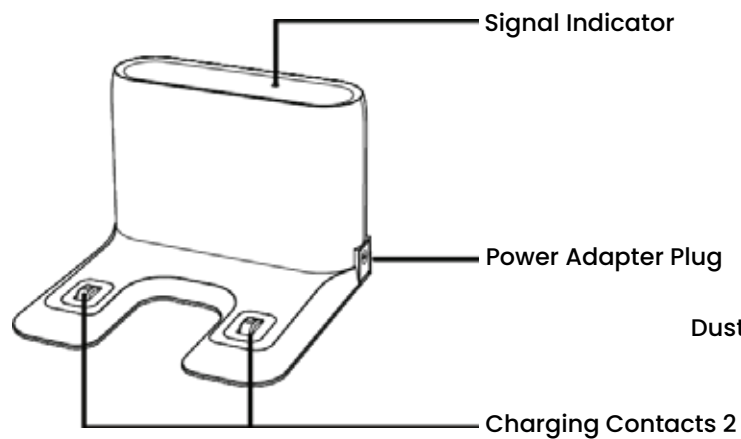
### c. Opened Panel



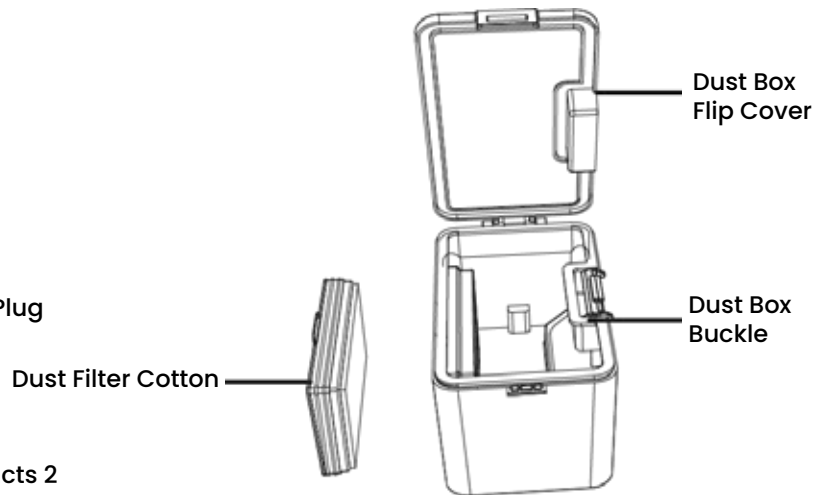
## [B] Remote Control



## [c] Charging Dock

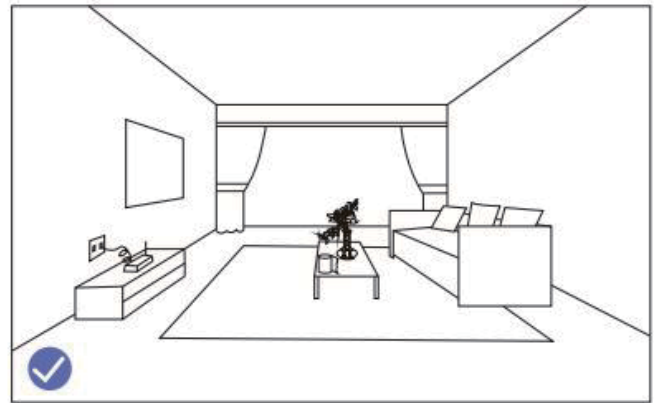
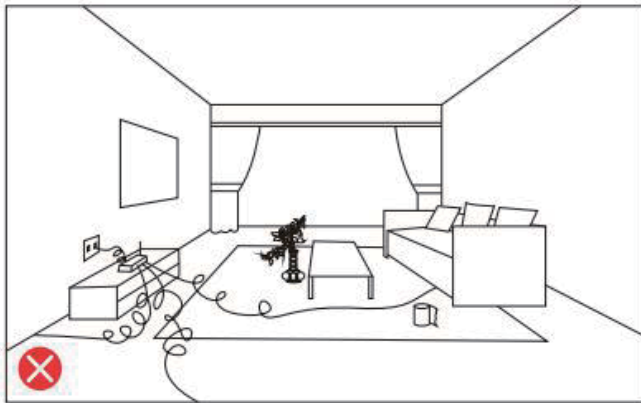


## [D] Dust Box

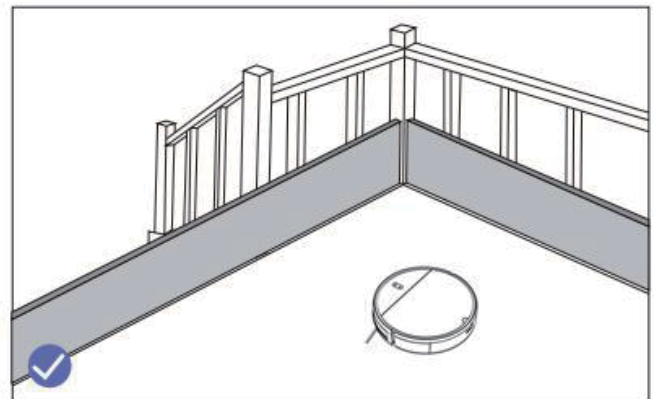
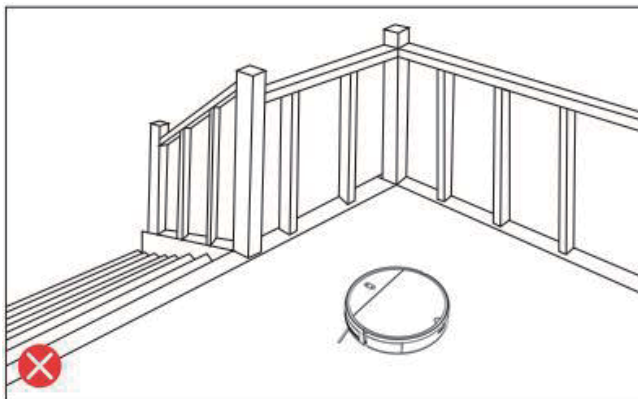


## Instruction for Use

### A. Usage Precautions



Before activating the robot vacuum, ensure all loose items such as clothing, papers, pull cords for blinds or curtains, and power cords are cleared from the floor. This prevents any items from being inadvertently dragged or pulled off furniture.

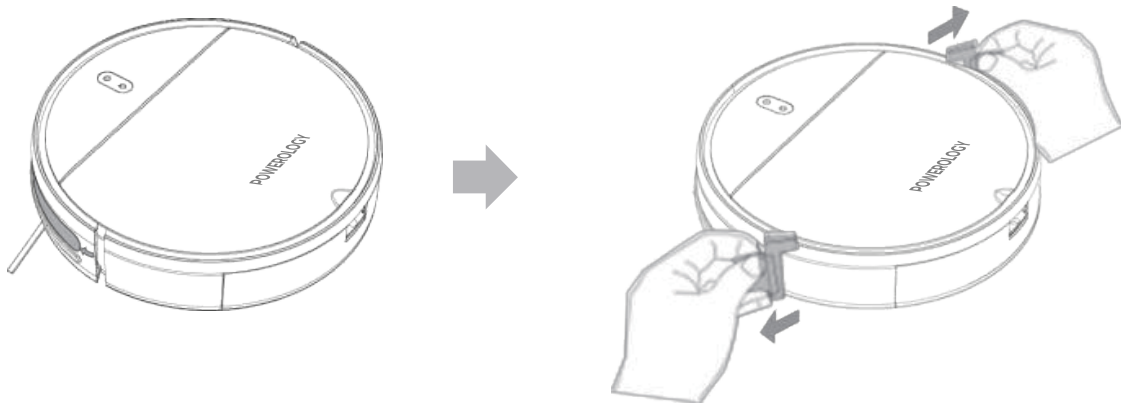


If the cleaning area includes a balcony or an elevated platform, it's crucial to set up a physical barrier to prevent the robot from accessing these areas, ensuring safe operation and avoiding potential falls.

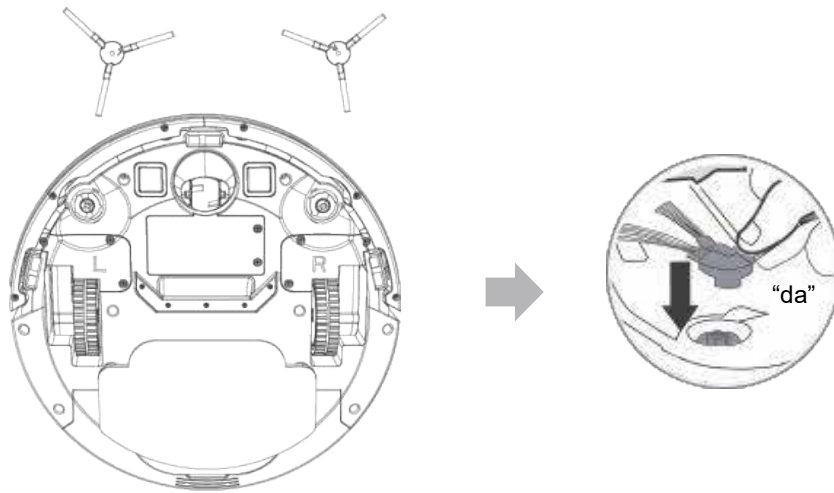


## B. First Use

**1.** Before the first use, carefully remove all protective materials from the main unit and the charging base.

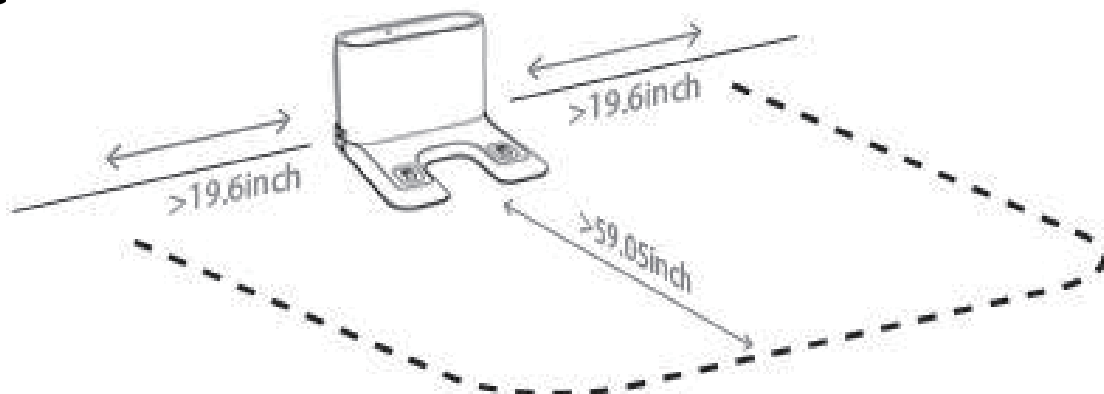


Ensure the side brush is attached correctly to the robot vacuum.



## C. Charging Guide

**1.** Choose an appropriate location to position the charging base. Ensure the base is placed on a flat surface against a wall. Once the charger is connected, the indicator light on the charging stand will remain on. Keep the area clear of any objects within 20 inches to the left and 60 inches in front of the base to ensure optimal operation.





**Note:** If there are mirrors or other reflective objects near the charging base, cover the bottom 3 inches of these objects to ensure optimal functionality of the vacuum's sensors.

## 2. Preparing the Vacuum for Charging:

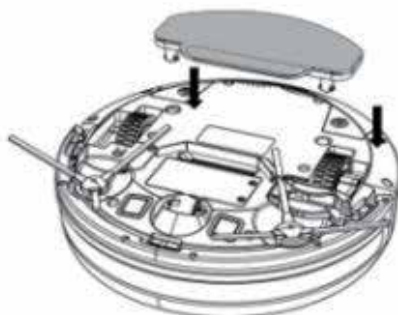
**2.1** Gently detach the water tank from the main unit.

**2.2** Lift off the mop board to expose the internal components.

**2.3** Power on the main unit to begin charging. Ensure the unit is correctly aligned with the charging base.



a. Remove the Water Tank

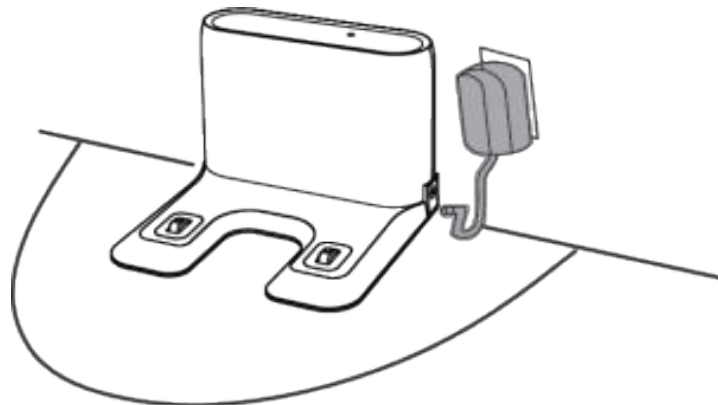


b. Remove the Mop Board



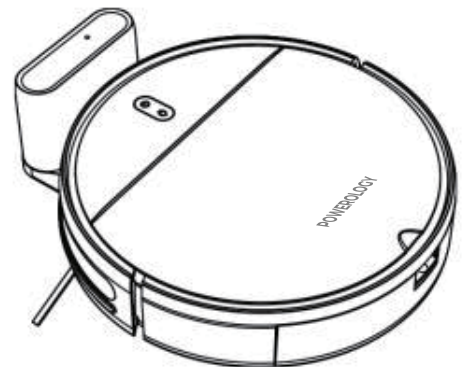
c. Initiate Charging

## 3. Connect to the power supply.



## 4. Placing the Vacuum on the Charging Stand:

**4.1** Position the vacuum on the charging stand. The indicator light will flash during charging and remain lit when fully charged. Charging typically takes about 5 hours.



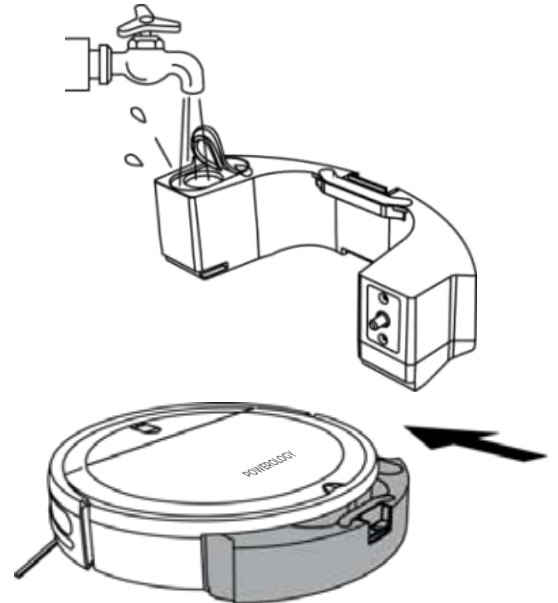
**4.2** During cleaning operations, if the vacuum detects low power, it will automatically return to the charging stand. You can also manually instruct the vacuum to return to charge using the remote control.

**Note:** If there are mirrors or other reflective objects near the charging base, cover the bottom 3 inches of these objects to ensure optimal functionality of the vacuum's sensors.

## **D. Installing the Water Tank**

**1.** Open the plug on the water tank and fill it with clean water.

**2.** Secure the water tank plug and attach the water tank back onto the main unit of the vacuum.

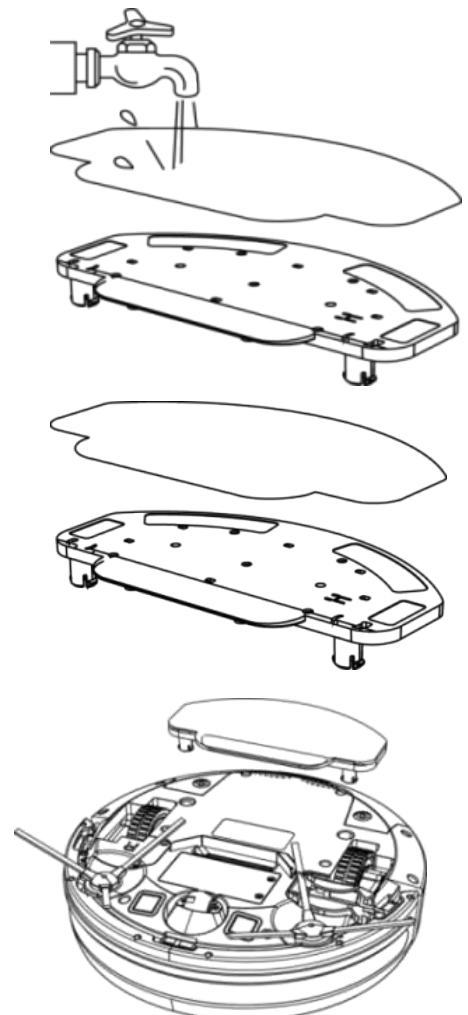


## **E. Installing the Mop Board**

**1.** Fully saturate the mop cloth and affix it to the mop board.

**2.** Align the white edge of the mop with the designated area on the mop board.

**3.** Securely attach the mop board to the main unit of the robot.

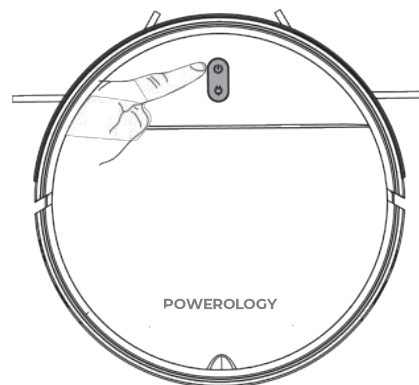


## Tips

1. Always ensure the mop board is securely fitted in its designated position before activating the mopping function.
2. Avoid using the mopping function on carpets as it may impede the mop's effectiveness.
3. Remember to remove all mopping attachments when switching to the vacuum function for optimal performance.

## Power On/Off

**[1] Turning On:** Press and hold the start/pause button for 2-3 seconds when the device is off. A successful power on will be indicated.



**[2] Pause:** To pause during operation, briefly press the start /pause button on the device or the pause button (⏸) on the remote control.

**[3] Wake-up:** If the robot is not used for less than 10 minutes, briefly press the start/pause button or the remote control start /pause button (⏻) to resume cleaning.

**[4] Sleep Mode:** If the robot remains idle for more than 10 minutes, it enters sleep mode, indicated by all lights turning off. Press the start/pause button or the remote control power button (⏻) to wake it up.


**[5] Shutdown:** To turn off the robot, first pause it by pressing the start/pause button, then hold the button until the indicator light goes off, signaling that the robot has shut down successfully.

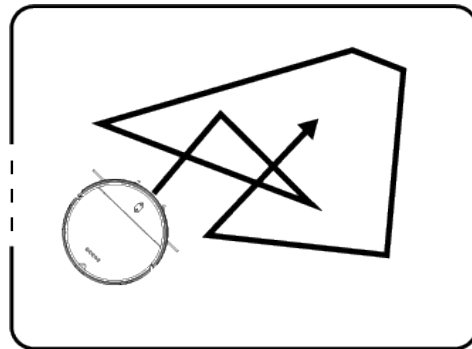
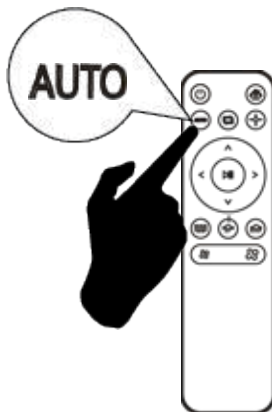
## Tips

1. Ensure the product is fully charged before starting the cleaning process for the first time.
2. After completing a cleaning cycle, it is recommended to keep the robot vacuum on the charging dock. This helps maintain optimal performance for future use.


## Cleaning Mode Settings

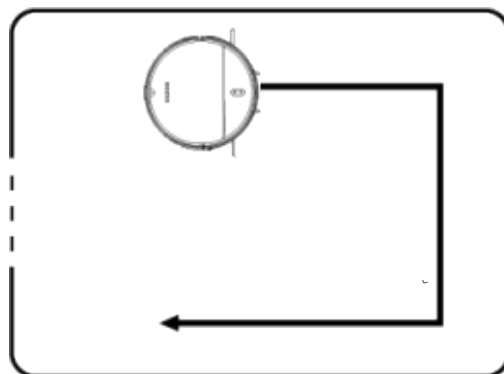
### [A] Automatic Cleaning

1. The Robot Vacuum conducts random cleaning for a duration of 90 minutes and automatically recharges upon completion of the cleaning cycle.
2. To initiate Automatic Cleaning mode, briefly press the start/pause button, or the "AUTO" button  on the remote control while the robot is in standby mode.




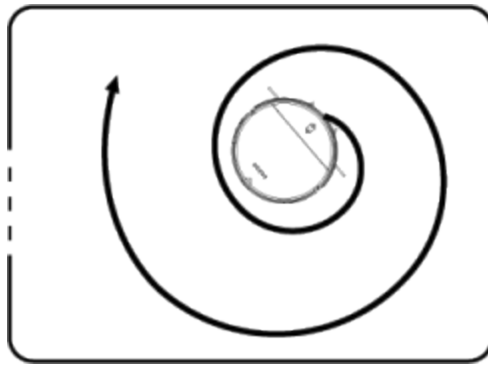
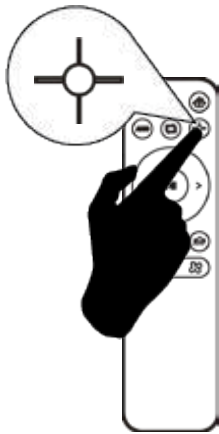
### [B] Spot Cleaning

1. Begin by cleaning in a clockwise spiral from the center outwards. Once reaching a maximum radius of 24 inches, reverse the spiral from the outside to the inside, and then return to the starting position to complete the cleaning.
2. This mode is ideal for areas where debris is heavily concentrated.
3. In standby mode, press the "SPOT" button  on the remote control to activate the Spot Cleaning mode.




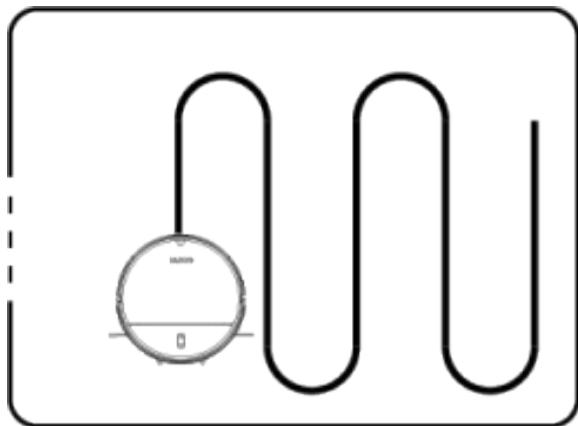
## [C] Edge Cleaning

1. The Robot Vacuum will clean along the wall, maintaining a distance of less than 0.8 inches.
2. This mode is used to clean along the edges of fixed indoor objects, such as walls or table corners. After completing the edge cleaning, the robot will return to the charging dock.
3. In standby mode, press the "EDGE" button  on the remote control to activate the Edge Cleaning mode.




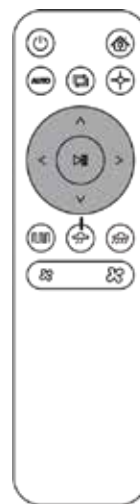
## [D] Zig-zag Cleaning

1. The Robot Vacuum follows a bow-shaped cleaning pattern, with the longest straight-line path being 197 inches.
2. In standby mode, press the "ZIG-ZAG" button  on the remote control to activate the Zig-zag Cleaning mode.



## [E] Manual Control Cleaning

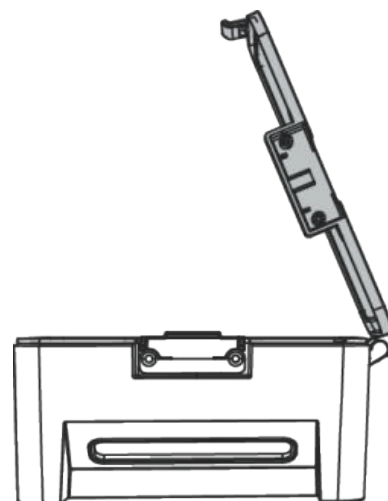
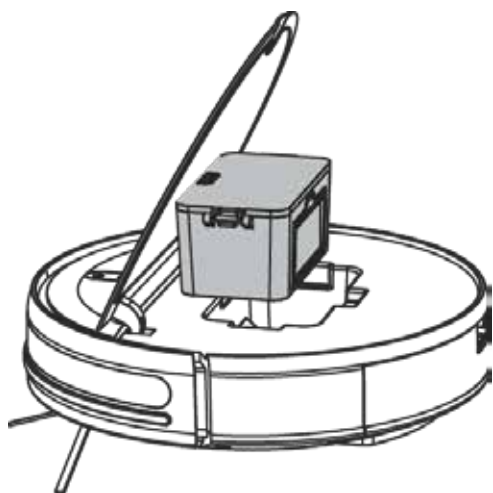
1. Suitable for situations where manual control of the vacuum is preferred.
2. In standby mode, press the directional button  on the remote control to move the robot vacuum forward or make turns.



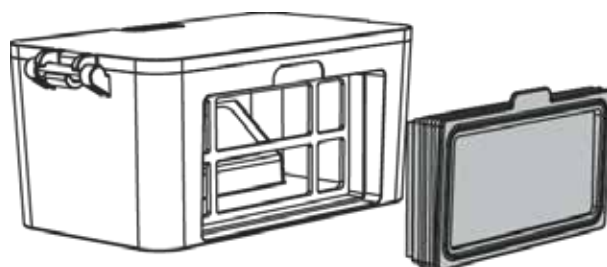
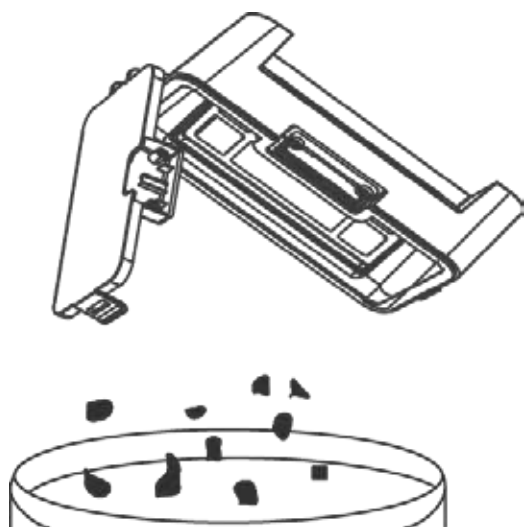
## Maintenance

### A. Dust Box and Filter

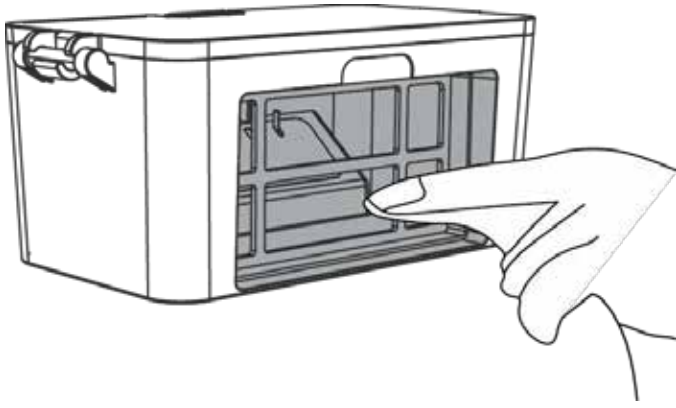
1. Remove the Dust Box.
2. Open the Dust Box Lid.



3. Properly dispose of all debris from the dust box.
4. Carefully take out the filter.



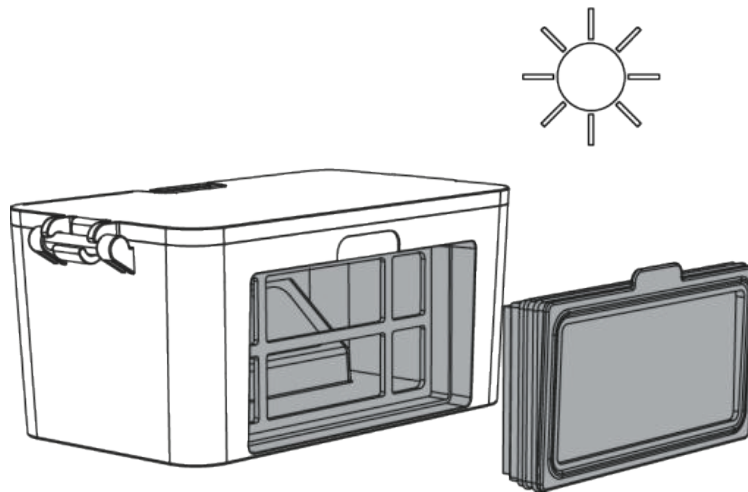
**5.** Wipe the dust box thoroughly.



**6.** Rinse the filter under clean water.



**7.** Allow both the dust box and filter to air dry completely.



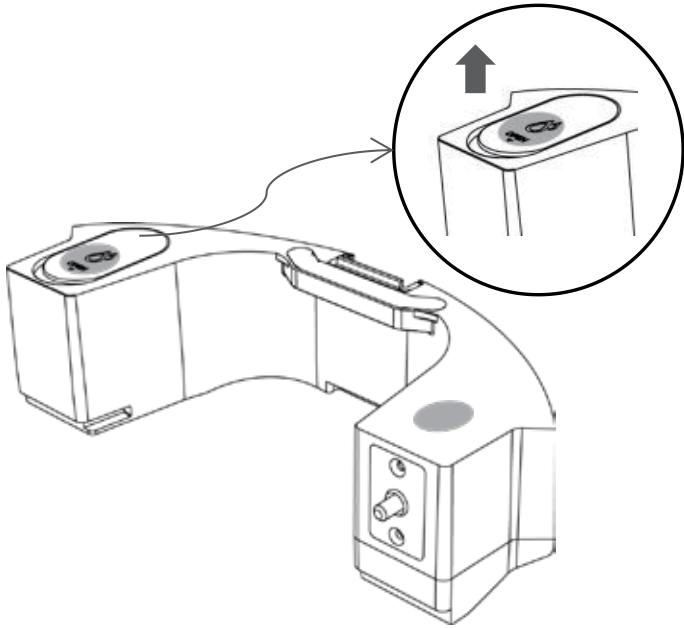
### Tip

- 1.** It is recommended to wash the filter after 15–30 days of use. The maximum lifespan of the high-efficiency filter is three months.
- 2.** Do not expose the filter material to direct sunlight or high temperatures to prevent damage to adhesive components.
- 3.** Always ensure the dust box and filter are completely dry before using them again.

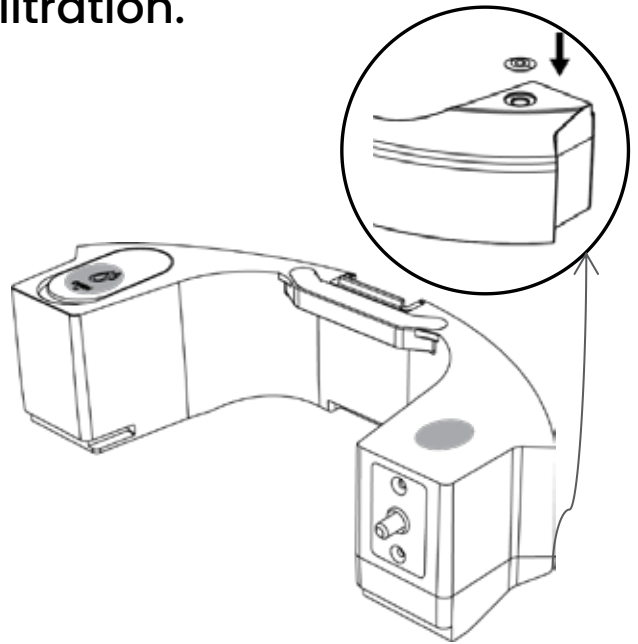


## B. Water Tank Filter

1. Pull upwards to remove the water tank filter cotton manually.



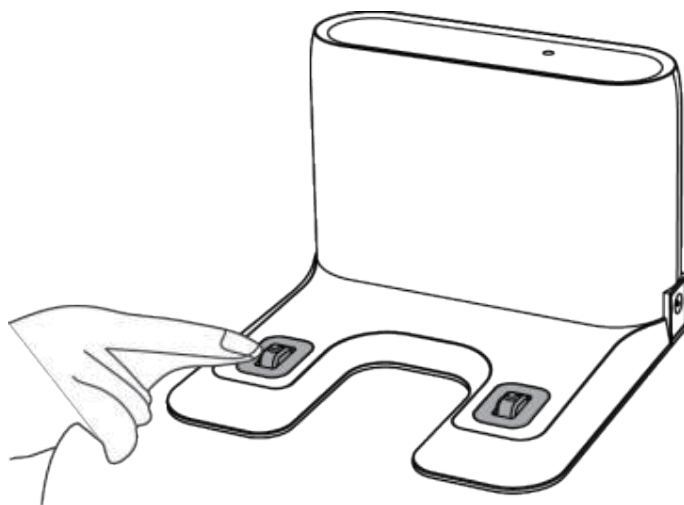
2. Replace with two new filter cotton pieces to ensure proper filtration.



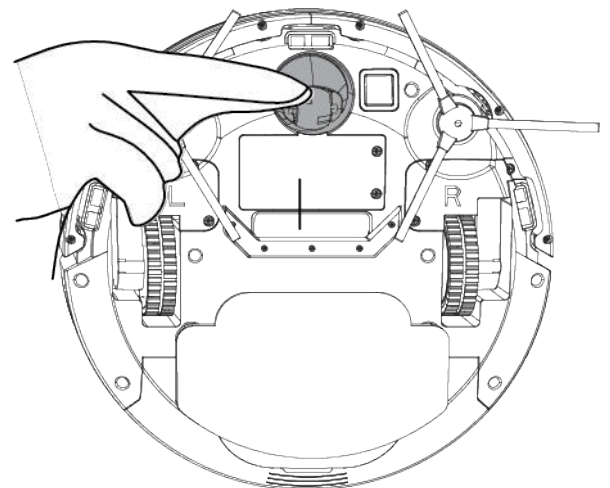
## C. Charging Electrodes, Wheels, Sensor

**Note:** The charging electrode, anti-drop sensors, and bumper contain delicate electronic components. Use a dry cloth to carefully clean these components to avoid any damage. Do not use a wet cloth, as moisture can enter these parts and cause damage.

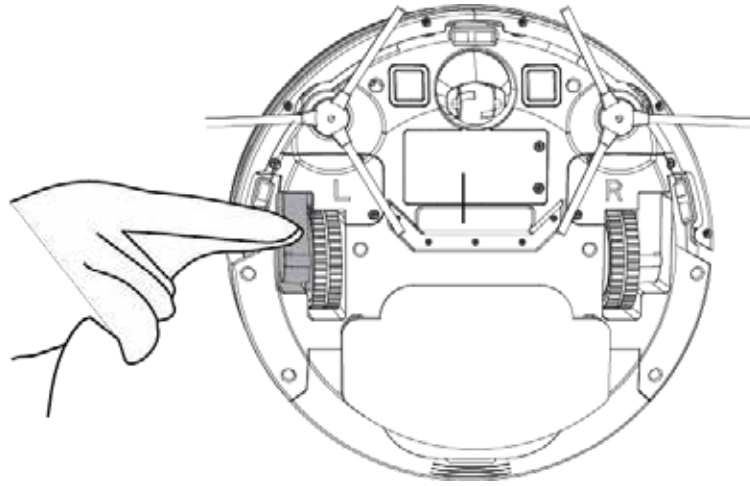
1. Cleaning the Charging Electrode



2. Cleaning the Driving Wheel and Universal Wheel



### 3. Cleaning the Lower Sensor



#### Tip

1. If you do not plan to use the product for an extended period, fully charge it before powering it off and storing it. To prevent battery discharge, recharge the product every three months.
2. If the battery becomes over-discharged or remains unused for a long time, it may become non-rechargeable. Contact the service professionals for maintenance. Do not attempt to disassemble the product yourself.



# Indicator Light Guide

The vacuum has two light indicators: the upper one shows the power status, and the lower one indicates the charging status. The lights have three colors: red, green, and yellow. Light statuses include lights off, lights always on, quick flash, and slow flash.

Item	Contents	Indicator Light Status			
		Power Indicator		Recharging Indicator	
		Color	Status	Three Colors	Status
1	Power on	Green	Solid Light On	-	Off
2	Power off	-	Off	-	Off
3	Cleaning	Green	Solid Light On	-	Off
4	Recharging	Green	Solid Light On	Yellow	Solid Light On
5	Low Battery	Green	Solid Light On	Red	Solid Light On
6	During Charging	Green	Solid Light On	Green	Flashing Slowly
7	Charging Completed	Green	Solid Light On	Green	Solid Light On
8	Abnormal Operation	Red	Flashing	-	Off
9	Standby Mode	Green	Solid Light On	-	Off
10	Sleeping Mode	-	Off	-	Off
11	Low Battery	Red	Flashing	-	Off
12	Not Calibrated	Red	Flashing	Red	Flashing Quickly
13	Calibrated	Green	Solid Light On	-	Off

# Troubleshooting

Problem	Emitted Tone		Solution
	Bass (Beep)	Treble (Beep)	
Bumper Malfunction	0	1	Check if the bumper rebounds normally.
Anti-Drop Sensor Malfunction	0	2	Clean the anti-drop sensor or change its position, then restart the machine.
Abnormal Charging / Poor Battery Life	0	3	Use the original adapter to charge the machine for 5 hours. Ensure proper contact with the charging dock.
Low Battery	1	1	Place the machine back on the charging dock to recharge.
Robot vacuum is stuck	1	2	Operate the machine in an open space.
Side brush is stuck	2	1	Check for any foreign objects tangled in the side brush and remove them before restarting.
Wheels are stuck	2	2	Inspect the wheel for any entangled debris and clean it before restarting.
Fan Malfunction	2	3	Check if the fan port is blocked or if the dust box is full.
Encoder Malfunction	2	4	Try restarting the machine.

## Specifications

Rated Voltage	100-240V
Rated Power	28W
Power Plug	UK 3pin
Battery capacity	2600mAh, 14.5V Li-ion
Motor	Brushless Motor
Recharge Time	4.5H
Working Time	1.5H
Noise Level	≤65dB
Climbing Angle	15°
Weight	2.5kg
Dimension	Φ30×7.4cm

# Material Content

Component	Hazardous Substance					
	Lead (Pb) and its compounds	Mercury (Hg) and its compounds	Cadmium (Cd) and its compounds	Hexavalent chromium (Cr(VI)) and its compounds	Polybrominated biphenyls (PBB)	Polybrominated diphenylether (PBDE)
Plastic parts	○	○	○	○	○	○
Metal parts	X	○	○	○	○	○
Circuit module of the main unit	X	○	○	○	○	○
Electronic component	○	○	X	○	○	○
Battery	○	○	○	○	○	○
Power cord (Metal part)	X	○	○	○	○	○

○ : It indicates that the content of hazardous substances in all homogeneous materials of the part is below the limit requirement specified in the current edition of the EU RoHS Directive.

X : It indicates that the content of hazardous substances in at least one of the homogeneous materials of the component exceeds the limit requirement specified in the current edition of the EU RoHS Directive. However, the component is included in the RoHS exemption list and meets the environmental protection requirements of the EU RoHS Directive.

## **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**

Website: **powerology.me**

Instagram: **powerology\_official**

Facebook: **powerology.ME**