



User manual

Lefant M350 Series Robotic Vacuum Cleaner



Scan the QR code for the English version of the online user manual.

Scannen Sie den QR-Code, um das Online-Handbuch auf Deutsch zu erhalten.

Scannez le QR code pour obtenir le manuel en ligne en français.

Scansiona il codice QR per ottenere il manuale online in italiano.

Escanee el código QR para obtener el manual en línea en español.

コードをスキャンして、日本語のオンライン マニュアルを取得します。

Please read this instruction manual carefully before using the product and keep it in a safe place for future reference.

Thank you for choosing Lefant.

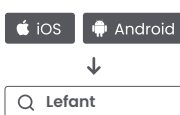
This manual will guide you to fully understand and quickly install the robotic vacuum cleaner (hereinafter referred to as "the robot"). It will also provide detailed information on usage and maintenance to help you have the best product experience.

If you encounter situations not properly addressed in this user manual, please contact our after-sales service. We'll solve your specific problems. For more information, please visit the official website of Lefant ROBOTICS: www.lefant.com, or send an email to the following email address:

✉ NA: support.us@lefant.com
EU: support.eu@lefant.com
SG: support.sg@lefant.com
MY: support.my@lefant.com
JP: support.jp@lefant.com
Other countries: support@lefant.com

Facebook: @LEFANTOFFICIAL

You can scan the QR code or download the "Lefant" app from the app store to connect to the robot and unlock more features.



Kind Reminder:

- After the installation of the robot, please follow the instructions on the mobile app to complete registration, logging in, and network configuration.
- Before configuring the network, please ensure that your phone and home network are connected.

The product shown in the illustrations may differ from the actual appearance. Please refer to the physical product for details.

Safety Information

Precautions

- This product is only used for floor cleaning in home environments. Do not use it outdoors (such as on an open balcony), on non-floor surfaces (such as sofas), or in commercial or industrial environments.
- Please clean or maintain the self-empty charging base station (hereinafter referred to as the "base station") and the robot when the base station is powered off and the robot is turned off.
- Do not use the robot and the base station as toys, or ride or stand on them. When the robot or the base station is in operation, please supervise children and pets and keep them as far away as possible.
- Do not use this product in a room where infants or young children are sleeping.
- Do not allow children, or people with physical, mental or sensory impairments to use or operate this product.
- If using it in a suspended environment (such as a duplex floor), be sure to use a sturdy physical barrier to prevent personal injury or property damage caused by the accidental fall of the robot.
- Do not let the limbs or other body parts of people or pets get close to the rotating position of the robot's brush head or put them into the gaps of the machine to avoid injury.
- Before use, please clean up scattered wires and other sundries on the floor, and move away objects that are easy to tip over, fragile, valuable, and potentially dangerous to avoid being entangled, stuck, dragged, or knocked over by the robot, which may cause personal injury or property damage.
- Please ensure that there is no standing water on the floor where the robot operates, otherwise it may cause the robot to get water damaged.
- Do not use it to clean any burning objects (such as unextinguished cigarette butts, matches, ashes, etc.) or any flammable and explosive items (such as lighters, gasoline, toner and powder used in printers or copiers, etc.).
- Before use, please ensure that components such as the dust bin, filter, dust bag, side brush, mop, main brush, and main brush cover are installed in place.
- Do not use the product without a dust bag.
- Be careful of scalding by hot water. Do not touch the water outlet of the base station.
- Do not use any liquid to douse the robot and the base station.
- Do not use it to clean long-haired carpets (some dark-colored carpets may not be cleaned properly).
- If the product is damaged in any way, do not use it and contact the official after-sales service in a timely manner for a solution.

- Do not store or use it in an environment with a temperature higher than 40°C, lower than 0°C, or where there is any liquid or viscous substance on the floor.
- Do not use any disinfectant other than the official cleaning solution, otherwise it may cause serious damage to the robot and the base station.
- Do not place any objects on the robot, the base station, or at the dust collection port of the base station, and do not cover or block them with any items (including dust covers).
- Please avoid having hard or sharp objects (such as renovation waste, glass, nails, etc.) on the floor where the robot operates, otherwise it may scratch the robot and the floor.
- Be sure to place the base station on a horizontal hard floor indoors, and keep the robot, the base station, and the power cord away from open flames, heat sources (such as radiators), and areas that are wet, have water, are narrow, or may leave the robot suspended.
- Please put away fragile items and sundries placed on the floor (such as vases, mirrors, plastic bags, etc.) to avoid damage to valuable items in the home when the robot is blocked during operation or slightly touched.
- Do not place low objects such as floor mats and shoes at positions like the stairway that may cause the robot to fall, otherwise it may interfere with the normal operation of the robot's anti-fall sensor and cause the robot to fall.
- Please use this product in accordance with the instructions in the manual. Any losses and damages caused by improper use, or any indirect losses caused by the use, misuse, or inability to use this product shall be borne by the user.

SAVE THESE INSTRUCTIONS

To satisfy RF exposure requirements, a separation distance of 20 cm or more should be maintained between this device and persons during device operation.

To ensure compliance, operations at closer than this distance is not recommended. The antenna used for this transmitter must not be co-located in conjunction with any other antenna or transmitter.

	For indoor use only
	Direct current
	Alternating current

Correct Disposal of this Product

This marking indicates that this product should not be disposed of with other household waste throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To recycle your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can safely recycle this product.



Federal Communications Commission (FCC) Interference Statement

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 generate, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

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

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

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

FCC Caution:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user 5s authority to operate this equipment.

RF exposure warning

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter.

IC Caution:

– English:

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

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

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

RF exposure statement:

The equipment complies with IC Radiation exposure limit set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm 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. Le fonctionnement est soumis aux deux conditions suivantes:

(1) Cet appareil ne doit pas causer d'interférences.

(2) Cet appareil doit accepter toutes les interférences, y compris celles susceptibles de provoquer un fonctionnement indésirable de l'appareil.

Tout changement ou modification non expressément approuvé par la partie responsable de la conformité pourrait annuler l'autorité de l'utilisateur à utiliser l'équipement.

Déclaration d'exposition RF:

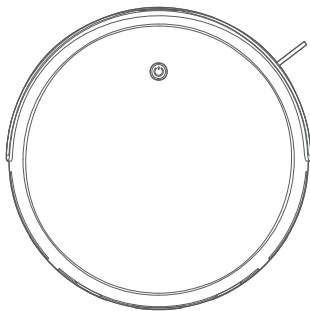
L'équipement est conforme à la limite d'exposition aux radiations de la IC établie pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 20cm entre le radiateur et votre corps.

Battery and Charging

- This product is only compatible with the charging base station specially provided by the manufacturer.
- Be sure to confirm and use a qualified power source with reliable grounding. Otherwise, there is a risk of electric shock and other hazards.
- If there is no power source with reliable grounding, please have a professional electrician rectify it before using this product.
- Do not disassemble, repair, or modify the battery and the charging base station without authorization.
- If the charging base station is not going to be used for an extended period, unplug the power plug.
- Do not dispose of used batteries casually. They should be handed over to a professional recycling institution for proper disposal.
- Do not use any third-party batteries, chargers, charging cables, or charging docks, etc.
- Do not wipe or clean the charging pins of the charging base station with wet wipes, damp cloths, or wet hands.
- Use this product in an environment where the power supply voltage matches the voltage marked on the base station.
- When transporting the product, ensure it is powered off and turned off, and it is recommended to use the original packaging box for packaging.
- Do not use a power cord that is not included with the product. Otherwise, it may cause smoking, overheating, or even a fire.
- If the usage area is prone to thunderstorms or the power supply voltage is unstable, etc., it is advisable to take appropriate protective measures.
- Using this product with any type of power converter is prohibited. Otherwise, the warranty will become invalid immediately, and there may be potential dangers.
- Do not use a damaged power cord. If the power cord is damaged (including breakage, fracture, etc.), stop using it immediately and contact the customer service promptly.
- If the robot will not be used for a long time, fully charge it, turn it off, and store it in a cool, dry place. Charge it at least once every month to prevent the battery from being over-discharged.

A Product Introduction

A1 Button Lighting Description



Button Operation

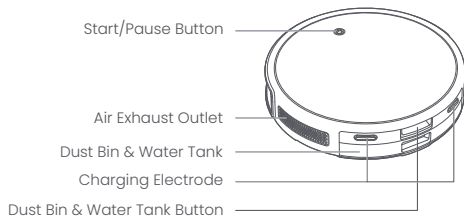
1. Press and hold for 3 seconds: **Power on**
(The robot will automatically power on when charging.)
2. Single click: **Start or pause**
3. Double click: **Automatically return for charging**
4. Press and hold for 6 seconds: **Enter the network configuration state**
(Network Configuration Steps: Open the app, select "Add Device", then press and hold for 6 seconds until you hear the voice prompt. Wait for the app to detect the device, then follow the network connection instructions to complete pairing.)
5. Press and hold for 12 seconds: **Power off**



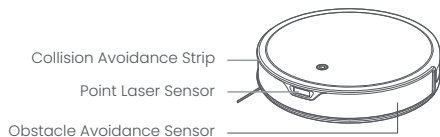
Explanation of Button Light Effects

1. Purple light breathing: **Charging (Battery level < 50%)**
2. Blue light breathing: **Charging (Battery level > 50%)**
3. Blue light flashing: **The robot enters the network configuration state**
4. Red light staying on: **The robot automatically returns for charging due to low battery level**

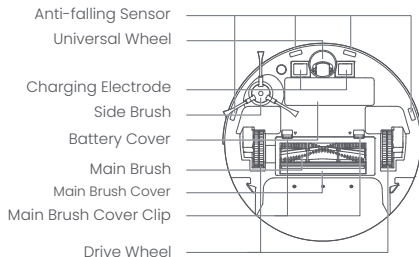
A2 Robot (Top View)



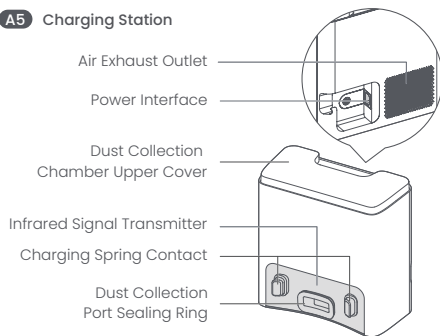
A4 Robot (Front Side View)



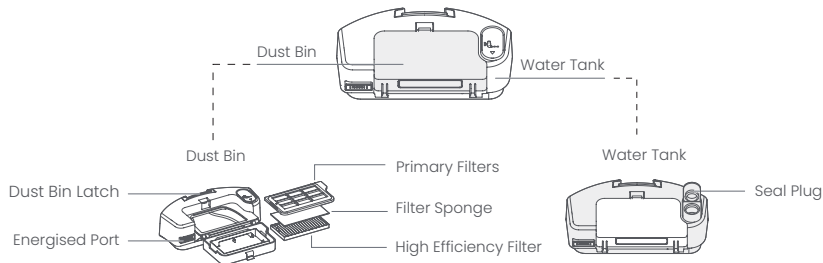
A3 Robot (Bottom View)



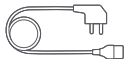
A5 Charging Station



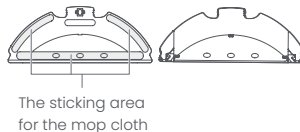
A6 Dust Bin & Water Tank



A7 Power Cord



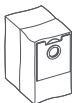
A9 Mop Holder



A11 Side Brush



A8 Disposable Dust Collection Bag



A10 Disposable Dry Cleaning Cloth

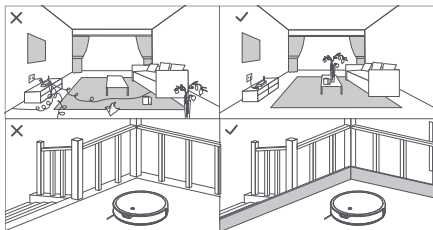


A12 Cleaning Brush



B Product Installation

Special Tip



1. Please clean up the sundries such as scattered wires, hard objects and sharp objects (such as iron nails and glass) on the floor before starting, and move away the items that are easy to tip over, fragile, valuable and those that may cause danger. Avoid the robot from getting entangled, stuck, dragged or knocked over, which may lead to personal injury or property damage.

2. If using this product in a suspended environment, make sure to use a firm physical barrier to prevent personal injury or property damage caused by the accidental fall of the robot.

3. Before use, ensure that there is no accumulated water on the floor, and do not wash the main unit with water to prevent the robot from being damaged due to water penetration.

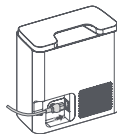
Tips:

* It is recommended to follow the robot throughout the first cleaning process and assist in handling some possible minor problems. After dealing with these problems, the robot can smoothly carry out autonomous cleaning in subsequent cleanings.

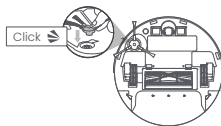
* Do not let the robot suck up hard objects or sharp objects (such as decoration waste, glass, iron nails, etc.), otherwise it may scratch the robot and the floor.

B1 Preparation Work

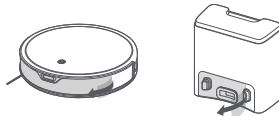
1. Press the power cord firmly into place as shown in the illustration.



2. Align and install the side brush onto the robot. When you hear a "click" sound, it indicates that the installation is in place.

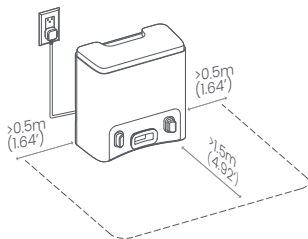


3. Remove the protective films from the robot and the base station.



B2 Base Station Installation

Please place the base station on a flat surface and insert the power cord to connect it to the power socket. Ensure that there are no objects within a range of 0.5 meters on both sides of the charging station and within a range of 1.5 meters in front of it to prevent the signal from being blocked. Do not place reflective objects such as floor mirrors around the charging station to avoid the influence of signal reflection on the use of the product.

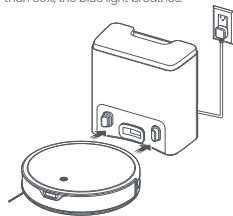


B3 Power On and Charge

Press and hold the power button (⏻) to turn on the device. After waiting for the power indicator light to stay constantly on and for the voice prompt, place the robot in front of the base station. Make sure that the base station is powered on. Press the power button (⏻) twice briefly, and the robot will automatically return to the base station for charging. For daily use, keep the robot in a charged state to maintain the battery performance.

During charging:

- * When the battery level is less than 50%, the purple light breathes.
- * When the battery level is greater than 50%, the blue light breathes.

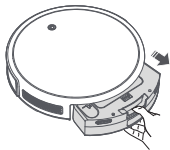


Tips:

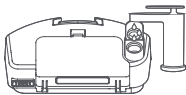
- * When the robot is charged while it is turned off, it will automatically turn on during the charging process.
- * It may not be possible to turn on the robot when the battery is low. Please place the robot directly into the base station for charging.

B4 Mopping Function

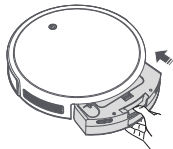
1. Remove the dust bin & water tank.



2. Open the sealing plug of the water tank, pour in an appropriate amount of clean water, and then close the silicone plug.



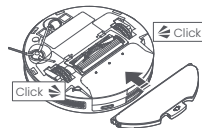
3. Install the dustbin and the water tank back into the robot and press them firmly until they reach the bottom to ensure that the dustbin is properly installed.



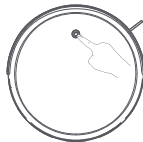
4. Align and stick the mop cloth onto the mop cloth bracket. Please make sure the mop cloth is completely attached to avoid affecting the mopping effect.



5. Align the mop cloth bracket with the buckles on both sides of the bottom of the robot's water tank. When inserting it, if you hear two "clicks", it means the installation is in place.



6. Turn the robot over and briefly press the power button (⏻) to start the mopping function.

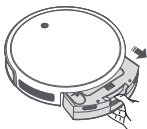


*Do not use the mopping function on carpet.

C Maintenance

C1 Dust Bin

1. Remove the dustbin and the water tank according to the illustration.

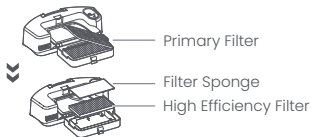


2. Press the dustbin latch to open the dustbin and dump the garbage inside.

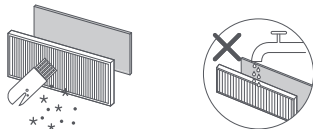


Dust Bin Latch

3. Remove the primary filter, followed by the Filter sponge and the high efficiency filter.



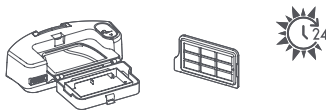
4. Clean the high-efficiency filter and filter cotton with a cleaning brush. Do not wash them with water.



5. The Primary Filter screen and the dustbin can be rinsed thoroughly with clean water.



6. Air dry the dust bin and pre-filter for at least 24 hours to ensure they are completely dry, then reinstall them for use.

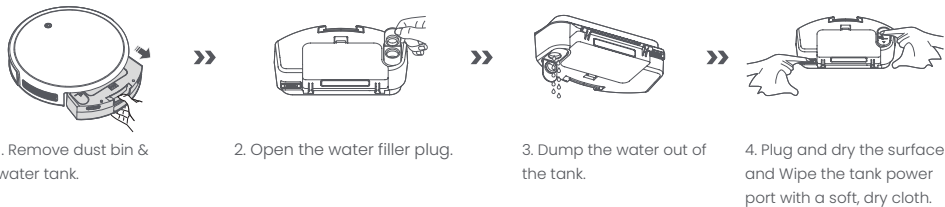


C2 Mop Cleaning or Replacement



*If disposable dry wipes are used, they can be discarded after use.

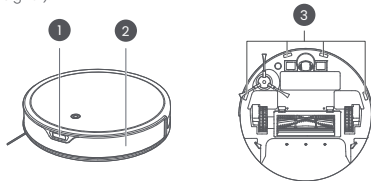
C3 Water Tank Maintenance



C4 Main Unit Sensor

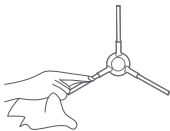
Wipe and clean each sensor of the main unit with a soft dry cloth, including :

1. Point laser sensor.
2. Obstacle avoidance sensor.
3. Anti-fall sensor (It is recommended to clean the anti-fall sensor once a week to prevent dust from blocking and affecting the signal).



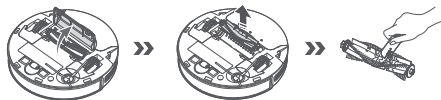
C5 Side Brush

After cleaning the side brushes, you can reinstall them back into the robot. Please replace the side brushes with new ones according to their actual wear and tear.



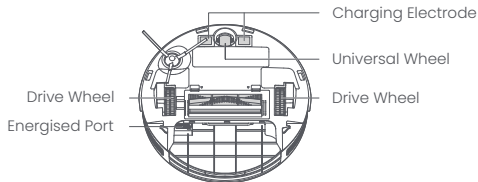
C6 Roller Brush Maintenance

As shown in the figure, first open the main brush cover and then take out the main brush. Clean the hair or dirt wound around the main brush. After cleaning, put the main brush back into the robot and install it in place.



C7 Components of the Main Unit

It can be cleaned as needed according to the actual usage situation. When cleaning, please use a soft dry cloth to wipe the universal wheels, drive wheels and the Energised Port of the robot.



C8 Charging station maintenance

***Do not rinse the charging station with water.**

1. Clean the Charging Spring Contact on the base station with a dry cloth to ensure smooth charging.



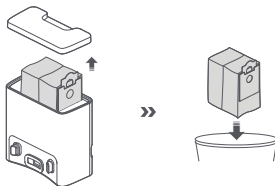
2. Clean the Infrared Signal Transmitter on the base station with a dry cloth to prevent signal interference.



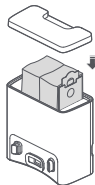
3. Clean the dust collection port on the base station with a dry cloth.



4. Open the Dust Collection Chamber Upper Cover. Take out the disposable dust collection bag as shown in the illustration and discard it. When taking out the bag, please do not let the garbage leak inside the dust collection chamber. Keep the chamber clean.



5. Insert the new Disposable Dust Collection Bag into the card slot as shown in the illustration. Please ensure that the Disposable Dust Collection Bag is inserted all the way to the bottom to avoid garbage leakage and damage to the base station. After installation, spread the dust bag out flat. Then install the Dust Collection Chamber Upper Cover in place to ensure a complete fixation and seal.



Basic Parameters

Robotic Vacuum Cleaner	
Product model	M350 Series
Wireless Connections	WiFi Smart Fast Connect
Robot operating voltage	14.4V ---
Maximum power of the main unit	45W
Charging time	< 5.5 hours

Self-empty Charging Base Station	
Product Model	J4-1
Power Input	100V-240V- 50-60Hz
Rated Input Power (Dust Collection State)	500W
Rated Output	20V --- 1.5A

Environmental Protection Instructions

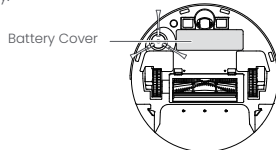
Steps to Remove the Battery

* The following information is only applicable when disposing of this robot and is not a part of the daily operation instructions.

The chemical substances contained in the lithium-ion battery built into this product may cause environmental pollution.

Please remove the battery before scrapping the product and hand it over to a professional battery recycling station for centralized disposal.

1. Let the robot run until it is completely out of power and automatically shuts down without charging.
2. Make sure the robot is turned off.
3. Remove the screws of the battery cover on the bottom shell of the robot.
4. Open the battery cover.
5. After taking out the battery, pull out the connector plug of the battery.



Tip:

- When disassembling the battery, ensure it is fully discharged and operate without being connected to the charging dock.
- Please remove the entire battery pack together. Do not damage the battery pack casing to prevent short circuits or leakage of hazardous substances.
- If the battery leaks and comes into contact accidentally, rinse with plenty of water and seek medical attention promptly.

Frequently Asked Questions

During the use of the product, if the following problems arise, you can check and refer to the relevant information to solve the malfunction issues.

If you can't eliminate the malfunctions according to the operations in the table, you can contact the official after-sales service.

Problem Type	Solutions
Unable to Power On	- Battery power is insufficient. Please dock with the base station to charge before use. - Battery temperature is too low or too high. Please use it in an environment of 0 - 40°C (32°F - 104°F).
Unable to Charge	- The base station is not powered. Please confirm that both ends of the base station power cord are properly plugged in. - Poor contact. Please clean the charging contacts of the base station and the robot.
Unable to Return to Base Station	- The robot did not start cleaning from the base station. - There are too many obstacles near the base station, which affect the robot's return. Please clear the surrounding obstacles. - If the base station was moved or lost power while the robot was performing a cleaning task, manually place the robot back on the base station or check if the base station is powered on.
Unable to Connect to WiFi	- The WiFi network password is incorrect. Please ensure that the password of the connected WiFi network is correct. - The WiFi signal is weak. Please make sure the robot is within an area with good WiFi signal coverage. - The WiFi connection is abnormal. Please long - press the robot's power button for 6 seconds to re - enter the network - configuration mode, and use the latest version of the mobile app to connect again.
Unusual Noise During Cleaning	- The omnidirectional wheel has accumulated dust or been entangled by fine substances like hair during cleaning. It is recommended to use a screwdriver to pry out and clean it thoroughly. - Foreign objects may be entangled on the main brush, side brush or drive wheel. Please pause the robot, check and clean. - Hard objects may have entered the dust box. Please check the dust box and its opening and clean the foreign objects.
Robot Returns to Base Station with Insufficient Battery but Doesn't Resume Cleaning	- Please confirm that the robot is not in the Do Not Disturb mode, as it will not automatically resume cleaning in this mode. - Manually charging the robot or placing it back on the base station will not trigger it to resume cleaning.

Problem Type	Solutions
Robot Misses Areas During Cleaning	- The obstacle - avoidance sensor, anti - fall sensor and other main unit sensors may be dirty. Please wipe them clean with a soft dry cloth to ensure that the surfaces of the sensors are clean and unobstructed. - Check whether the doors of the rooms are open. Please make sure that the doors of the rooms to be cleaned are open before starting the cleaning. - Check whether there are steps or thresholds higher than 2 centimeters (0.8 inches) in the cleaning area. The robot cannot climb over high steps.
The dust collection effect is poor or there is an abnormal noise during dust collection.	- The filter screen, dust collection air duct, dust collection port, dust collection air inlet, dust bin and dust bag are blocked. Please clean them.
It cannot automatically collect dust.	- The cover plate of the dust collection chamber is not properly installed. Please confirm that it is installed in place. - The robot will not actively collect dust when it automatically returns to the base station during the Do Not Disturb period. It is recommended to adjust the cleaning time, the time of the Do Not Disturb mode, or manually start the dust collection.
Reduced Cleaning Performance or Dust Shedding	- The dust box is full. Please clean the dust box. - The filter is clogged. Please clean the filter or replace it with a new one. - The main brush is entangled with foreign objects. Please clean the main brush.
The robot has an abnormal cleaning performance.	- Please press and hold the power button (⏻) for 12 seconds to turn off the device, and then turn it on again.

Warranty

This warranty covers the repair or replacement of the malfunction device at our company's discretion for a period of 1-year. In addition this certificate is void if altered. The serial number must be provided as well as all accessories to be eligible for warranty coverage. Please kindly fill in below form accurately and completely.

Order Number: _____

Serial Number: _____

Date of Purchase: _____

Important:

When returning this device, carefully pack the product to avoid damage in shipping. Damage in shipping is not covered by the Warranty and shall be the sole responsibility of Buyer. Damage or loss not covered by this Warranty or occurring outside the warranty period will require a fee to cover the cost of handling and shipping. All such fees and costs shall be the sole responsibility of Buyer.

Exclusion

Unless agreed in writing, the warranty will not apply if the defects relate to:

- Consumable parts such as filters, or brushes etc, that are subject to normal wear and tear, and require regular maintenance and/or replacement to ensure the proper functioning of your unit.
- Defects caused by rough or inappropriate handling or use or damage caused by accident, misuse, neglect, fire, water, lighting or other acts of nature, external sources such as weather, electrical outages or power surges.
- Improper operation or maintenance, use not in accordance with the product instructions or connection to improper voltage supply.
- Accident, abuse, misapplication, or any unauthorized repair, modification, or disassembly of the product.
- Any failure to adequately package the product for transportation.
- Use of parts not in accordance with the product instructions.
- Use of parts and accessories other than those produced or recommended by our company.
- Use in a commercial environment as the product is designed for residential use only.
- Consequential and incidental damages.
- Any product(s) purchased from unauthorized dealers/resellers.
- Products used outside the country of purchase.
- Lost and/or stolen products.



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