

User manual

lefant M330 Pro Robotic Vacuum Cleaner

Product Introduction

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

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

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:

Products are subject to physical appearance and specific details may differ from those shown.

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.
- This robot is only compatible with 2.4GHz Wi-Fi networks.

Lefant

NA: support.us@lefant.com

EU: support.eu@lefant.com

Other countries: support@lefant.com

Facebook: [@LEFANTOFFICIAL](https://www.facebook.com/LEFANTOFFICIAL)

Scan the QR code to access the charging dock installation video. [IMAGE]

Important Safety Instructions

16. Do not use the robot to pick up flammable or combustible materials such as gasoline, printer or copier toner, or use in areas where they may be present.

17. Do not use the robot to pick up anything that is burning or smoking, such as cigarettes, matches, hot ashes, or anything that could cause a fire.

18. Do not put any object into openings. Do not use with any opening blocked; keep free of dust,

lint, hair, and anything that may reduce air flow.

19. Take care not to damage the power cord. Do not pull on or carry the robot or the docking station by the power cord, use the power cord as a handle, close a door on the power cord, or pull power cord around sharp edges or corners. Do not run the robot over the power cord. Keep power cord away from hot surfaces. Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.

20. If the power cord is damaged, it must be replaced by the manufacturer or its service agent in order to avoid a hazard.

21. Do not use the docking station if it is damaged.

22. Do not use the robot or the docking station if it is not working properly, has been dropped, damaged, left outdoors, or come in contact with water. It must be repaired by the manufacturer or its service agent in order to avoid a hazard.

23. Power off the power switch before cleaning or maintaining the robot. Power off all controls.

24. The plug must be removed from the receptacle before cleaning or maintaining the docking station.

25. Remove the robot from the docking station, and power off the power switch to the robot before removing the battery for disposal of the robot.

26. The battery must be removed and discarded according to local laws and regulations before disposal of the robot.

27. Please dispose of used batteries according to local laws and regulations.

28. Do not incinerate the robot even if it is severely damaged. The batteries can explode in a fire.

29. When not using the docking station for a long period of time, please unplug it.

30. Prevent unintentional starting. Ensure the switch is in the off position before connecting to battery pack, picking up or carrying the robot. Carrying the robot with your finger on the switch or energizing the robot that have the switch on invites accidents.

31. When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws, etc, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.

32. Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

33. Do not use a battery pack that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.

34. Do not expose a battery pack or appliance to fire or excessive temperature. Exposure to fire or temperature above 130°C / 265°F may cause an explosion.

35. Have servicing performed by a qualified repair person using only identical replacement parts.

36. Do not modify or attempt to repair the robot or the battery pack (as applicable) except as indicated in the instructions.

37. Do not operate the robot in a room that has lit candles on furniture that the vacuum may accidentally hit or bump into.

38. Recharge only with the charger specified by the manufacturer. A charger that is suitable for one

type of battery pack may pose a risk of fire when used with another battery pack.

39. Use the robot only with specifically designated battery packs. Using any other battery packs may pose risks of injury and fire.

40. The robot contains batteries that are only replaceable by skilled persons. To replace the robot's battery, please contact Customer Service.

41. If the robot is not going to be used for a long time, fully charge the robot, power it off, and unplug the station.

42. Please remove any fragile and miscellaneous items from the floor (such as vases, plastic bags, etc.) to prevent the robot from being obstructed or causing damage to valuable items in the home due to minor collisions.

SAVE THESE INSTRUCTIONS

To satisfy RF exposure requirements, a separation distance of 20cm 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 | DCK | detachable supply unit

WARNING: For the purposes of recharging the battery, only use the detachable supply unit provided with this appliance.

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 generates, 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's 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 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.

Innovation, Science and Economic Development Canada (ISED) Compliance

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 an 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 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.

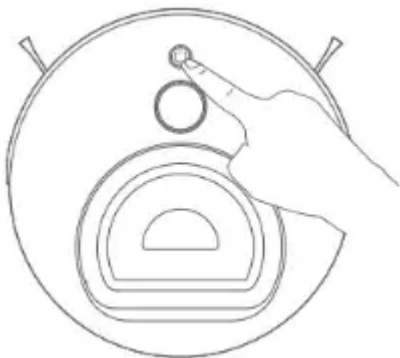
Déclaration d'exposition RF : L'équipement est conforme à la limite d'exposition aux radiations de la IC établie pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.

Product Overview

Product introduction

- How to use the button

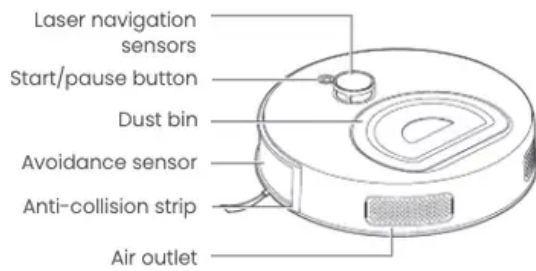
1. Hold for 3 seconds: Power on (Robot charging will power on automatically)
2. Fast press: Start/Pause
3. Fast press twice: Auto-recharge
4. Hold for 6 seconds: Enter network pairing mode (Networking operation: Open the App, select 'Add Device', then press and hold for 6 seconds to hear the voice prompt, wait for the App to scan the device and then follow the networking guidelines to pair it.)
5. Hold for 12 seconds: Power off



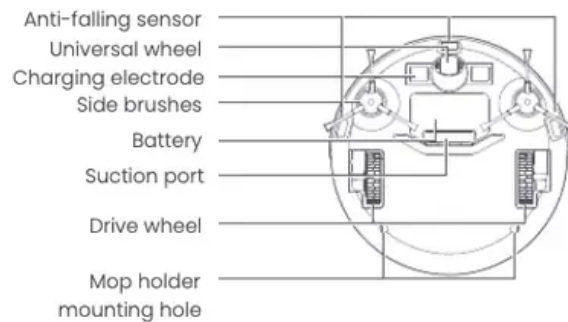
-Indicator Meaning

Robot status	Indicator light display status
Cleaning	Blue light is always on
Paused/Standby	Blue light is always on
Charging started	Purple/Blue light breathing
Automatic return charging due to low battery	Red light is always on
Automatic return charging after cleaning completed	Purple light is always on
Entering network configuration status	Blue light is flashing
Network configuration successful	Blue light is always on
Machine malfunction	Red light is always on/flashing

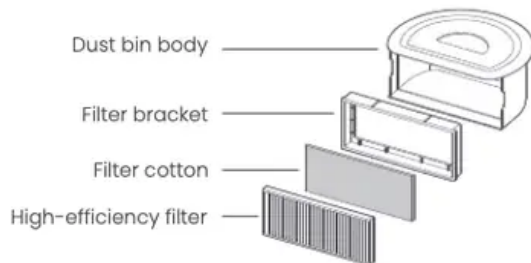
A1 Robot (Top view)



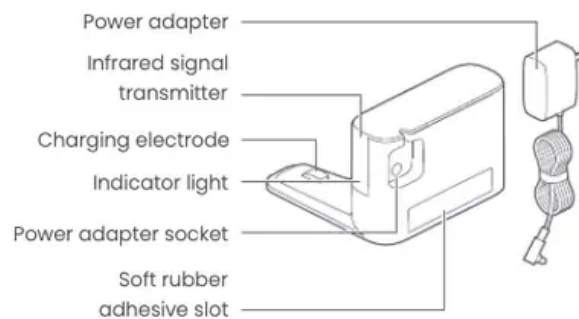
A2 Robot (Bottom view)



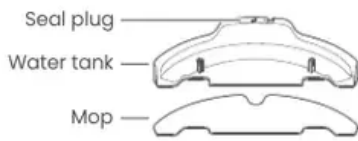
A3 Dust bin



A4 Docking station



A5 Water tank assembly



A6 Cleaning brush



A7 Double-sided soft rubber



A8 Quick guide

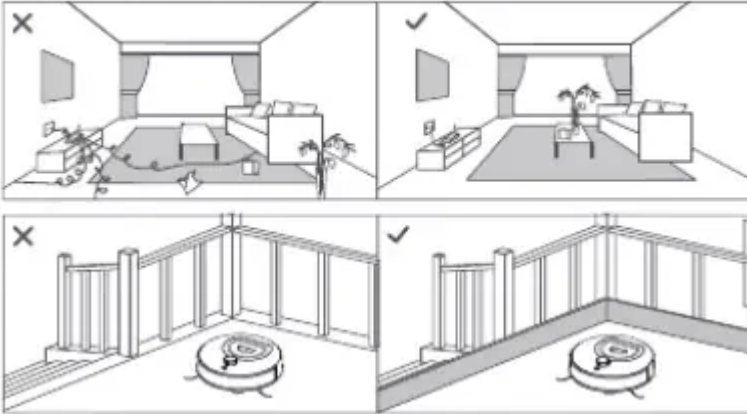


A9 User manual



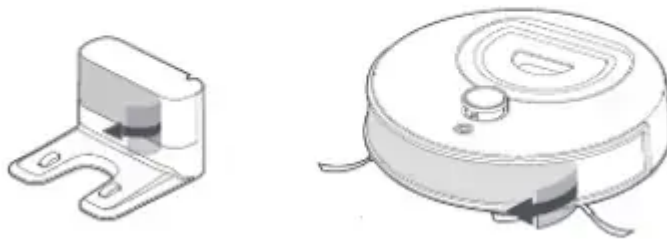
Product Installation

B1 Special note



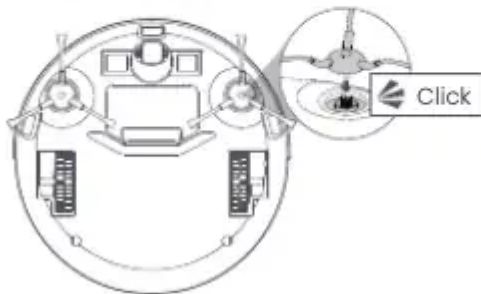
B2 Remove protective film

Remove the protective film on the robot and docking station.



B3 Install the side brushes

Push down firmly until you hear a “click”.
This indicates that it is in place.



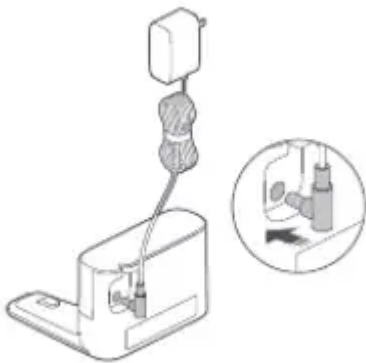
1. Before starting, please clear the floor of scattered wires, hard objects, sharp items (such as nails and glass) and other debris. Also, remove items that are prone to falling, fragile, valuable or potentially hazardous. Avoid getting entangled, stuck, dragged by the robot or knocked down by it, which could cause damage to people or property.
2. If this product is used in a suspended environment, be sure to use a sturdy physical barrier to prevent personal or property damage caused by the robot accidentally falling.

Tips

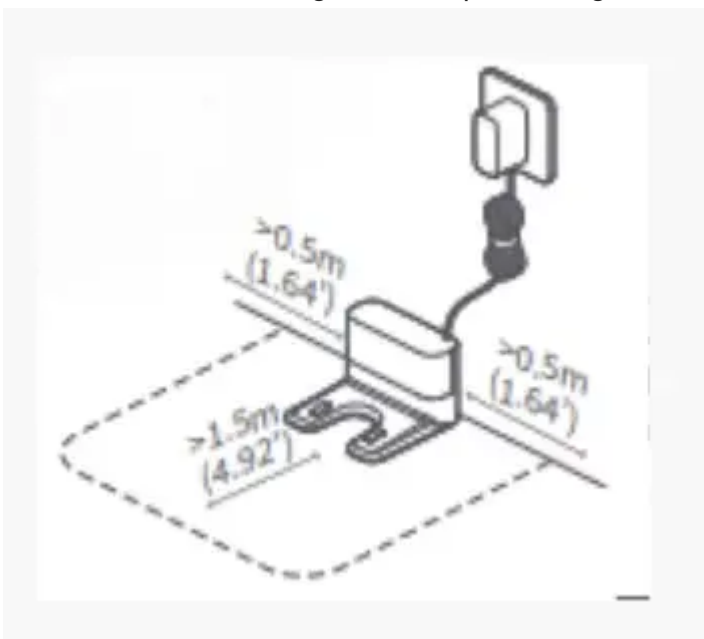
1. During the initial cleaning, it is advisable to accompany the robot throughout the entire process to help address any minor issues that may occur. Once these issues are resolved, the robot will be able to carry out autonomous cleaning smoothly in subsequent operations.
2. Avoid allowing the robot to vacuum up hard or sharp objects (such as construction debris, glass, nails, etc.), as this may damage both the robot and the floor surface.

Docking Station Installation

1. Connect the docking station to the adapter.



2. Position the docking station and connect it to the power supply. Place the docking station against the wall on a flat surface. Ensure there are no items within 0.5m to the left or right and 1.5m in front to avoid blocking the charging signal. Avoid having reflective objects, such as floor mirrors, near the docking station to prevent signal reflection.



3. Instructions for using double-sided soft adhesive. After placing the charging dock in position, attach the double-sided soft adhesive to the back or bottom of the charging dock to secure it to the wall or floor.

Method 1:



Method 2:



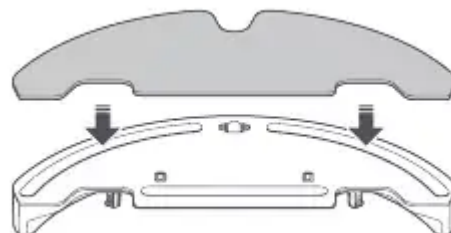
4. Charging.

Place the robot with its button side facing the docking station. When the button light starts to blink, it indicates correct placement. (As shown below) Charging time < 5.5 hours.

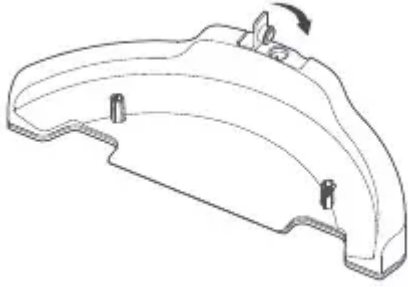
When the robot is charging while it is powered off, it will automatically power on.



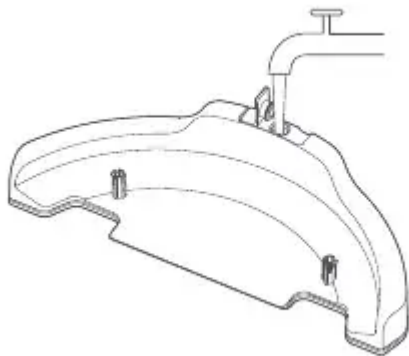
Instructions for Installing the Water Tank



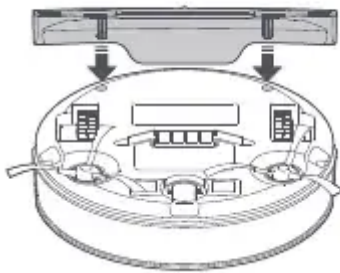
1. Stick the mop cloth to the bottom of the water tank.
2. Open the silicone seal plug of the water tank and fill the tank with clean water.



4. Close the seal plug.



5. Align the fixing posts of the water tank with the installation holes on the bracket, then press vertically downwards until the water tank is fully attached to the bottom of the robot. Once this is done, the installation is complete, and you can use the mopping function normally.

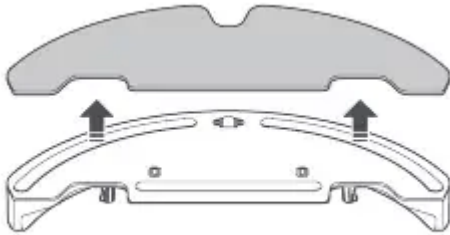


Mop Cloth Removal and Maintenance

1. You can easily remove the water tank by pulling it upward from the rear of the water tank.



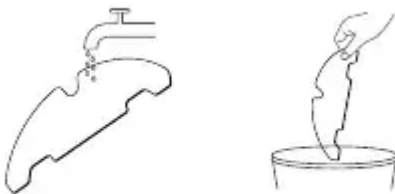
2. Remove the top cover.



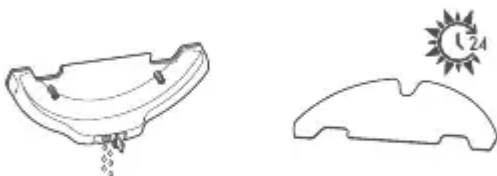
3. After cleaning or replacing the mop cloth, please refer to the [B5 Water Tank Installation Instructions] to reinstall the water tank assembly, and then you can continue mopping.

Warm Tips:

1. If you use disposable mop cloths, please directly discard them after use and replace them with new ones.
2. For washable mop cloths, please clean them in a timely manner after use or replace them according to the actual wear and tear.



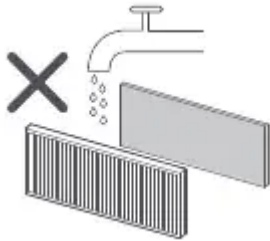
4. When the whole-house cleaning is completed or the mopping function is not needed temporarily, be sure to drain all the water in the water tank in a timely manner to prevent the remaining water inside the tank from continuously seeping out and causing water stains or puddles on the floor.



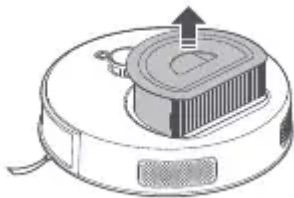
Friendly reminder: After finishing the mopping task, please thoroughly clean the mop immediately and dry it in a well-ventilated area. This is to avoid the mop from developing an odor or breeding bacteria due to long-term storage.

Dust Bin and Filter Maintenance

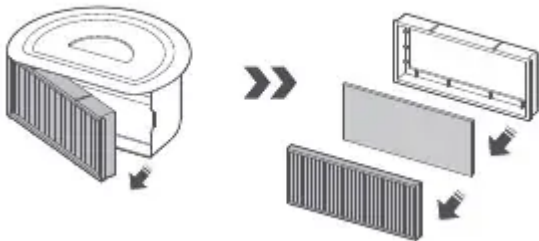
⚠ Attention: The high - efficiency filter and filter cotton cannot be washed with water.



1. Open the faceplate and take out the dust bin.



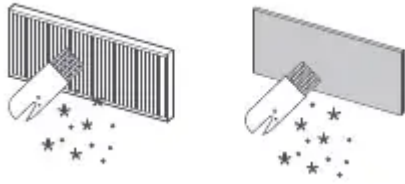
2. Remove the filter bracket and then take out the high-efficiency filter and filter cotton.



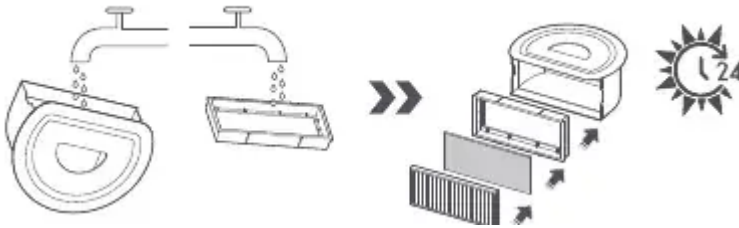
3. Dumping of garbage.



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



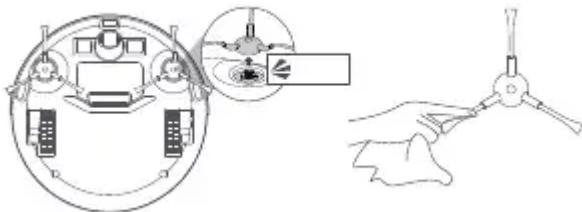
5. The main body of the dust box and the filter bracket can be washed with water. Rinse and allow to dry completely for at least 24 hours before returning to use.



Maintenance

Side Brushes

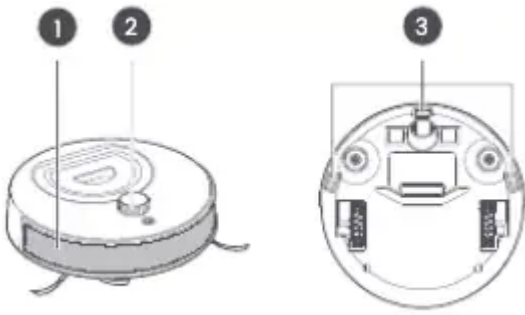
Pull the side brushes off forcefully. After cleaning the side brushes, reinstall them. Replace the side brushes with new ones based on wear and tear.



Main Unit Sensor

Use a soft dry cloth to wipe and clean the main unit sensors, including:

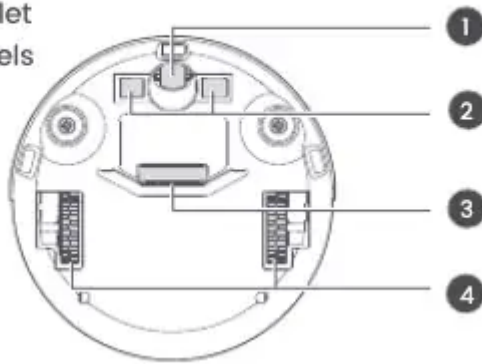
1. Front obstacle sensor
2. ToF sensor
3. Drop prevention sensor (It is recommended to clean the drop prevention sensor once a week to prevent dust from blocking and affecting the signal)



Main Unit Components

Use a soft dry cloth to wipe and clean the robot's components, including:

- 0. Omni-directional wheels
- 2. Charging contacts
- 3. Suction inlet
- 0. Drive wheels



Charging Dock

- 1. Clean the charging electrode of the docking station to ensure smooth charging.
- 2. Clean the infrared signal sensor lens of the docking station to avoid signal interference.



Technical parameters

Robotic Vacuum Cleaner	
Product model	M330 Pro
Wireless Connections	WiFi Smart Fast Connect
Robot operating voltage	14.4V ---
Robot rated power	30W
Charging time	< 5.5 hours
Adapter model	
K30-V1000R190-019A0-US	AD-0121900060US
K30-V1000R190-019A0-DE	AD-0121900060EU
K30-V1000R190-019A0-GB	AD-0121900060UK
K30-V1000R190-019A0-AU	AD-0121900060AU
V30-V0600R190-012AA0-US	AD-0191900100US
V30-V0600R190-012AA0-DE	AD-0191900100EU
V30-V0600R190-012AA0-GB	AD-0191900100UK
V30-V0600R190-012AA0-AU	AD-0191900100AU

Environmental protection instructions

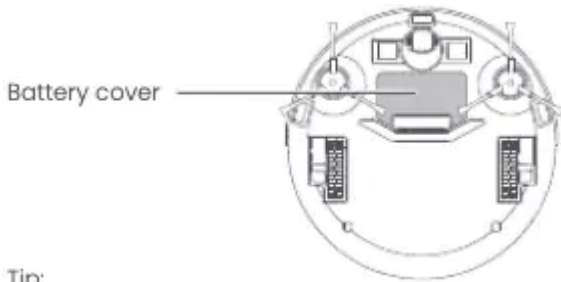
Battery Removal Steps

- The following information is applicable only when disposing of this robot and is not part of regular operating instructions.

The chemicals contained in the lithium-ion battery built into this product may pollute the environment. Before disposal, remove the battery and dispose of it at a designated battery recycling facility.

1. Let the robot run until it fully discharges and shuts down automatically without being connected to the charging dock.
2. Make sure the robot is powered off.
3. Remove the screws that secure the battery cover on the bottom shell of the robot.
4. Open the battery cover.
5. After taking out the battery, unplug the connector from the battery.

Battery cover



Tip:

- When disassembling the battery, make sure it is fully discharged and work without connecting it to the charging dock.
- Please remove the entire battery pack as a whole. Avoid damaging the battery pack casing to prevent short circuits or the leakage of hazardous substances.
- In case the battery leaks and you come into accidental contact with it, rinse thoroughly with plenty of water and seek medical attention immediately.

Exception Alarm Prompt

When the robot runs into trouble, its red indicator light will be on or flash and an error message will be broadcast. The following table summarizes the corresponding causes:

No.	Voice Prompt	Solutions
Red light on		
1.	The wheels are not working. Please check	Please check whether the driving wheel is tangled, and clean it up.
2.	Side brushes are not working. Please check	Please check whether the side brushes is tangled, and clean up the side brushes.
3.	The rolling brush is not working. Please check	Please clean the waste in the rolling brush.
4.	Mop missing. Please install again	The mop holder has come off, please put the mop holder back on the robot
Red light flashes		
1.	I am suspended. Please put me back on the ground	The robot hangs in the air. Please move it to the ground.
2.	I am stuck, please help me out	Fail to get rid of a dilemma; please move to an open place.
3.	low battery. Can't return to charging dock. Please put me back to the charging dock to start charging	Please move the robot to the docking station for charging.
4.	Abnormal charging voltage. Please use the original power adapter to charge.	Clean the electrode and ensure the original adapter.
5.	Unable to start charging. Please toggle the power button on the side of robot to try again.	Check whether the robot is powered on.

If the above method cannot resolve the problem, please try the following operations: power on the ON/OFF button on the side to restart the robot.

Troubleshooting



Fault	Possible causes	Solutions
Abnormal cleaning	Cleaning components blockage	It is recommended to replace consumables regularly, such as high-efficiency filters (HEPA), pre-filter, side brushes, etc.
	Dust on sensors and other components	Please refer to the chapter [maintenance] of the manual to clean the robot.
Unable to connect to App	Not entered Wi-Fi pairing mode	Keep pressing [] button for 6 seconds: Enter Wi-Fi pairing mode, please refer to the App Networking & Guide for details.
	2.4 GHz network isn't used.	You need to switch to 2.4 GHz network, please refer to the App Networking Guide for details.
Difficult to return and charge	Incorrect placement of docking station	Please place the docking station in an open and flat area.
	The docking station is powered off or moved manually	Please check whether the docking station is connected to the power supply. Do not move the position of the docking station when the robot is working.
	The home is too large, and the environment is complex	Please refer to the chapter [8. Special Note] of the manual.
	The robot didn't clean from the docking station	Let the robot clean from the docking station.
Unable to charge	The power supply is not connected, or the plug is loose	Check if both ends of the power cord are connected and if the docking station indicator light is on.
	Poor contact between the robot and the charging electrode of the docking station	Ensure that the charging electrode of the robot and the docking station are fully connected, and clean the charging electrode of the robot and the docking station regularly.
	Battery deterioration caused by non-long-term use	It is recommended to use this product regularly. If not used for an extended period, charge fully, power off the robot, and ensure it's charged once a month. If

		the battery can't be charged, please contact after sales service.
--	--	---

If the issue cannot be eliminated according to the operation in the table, contact our customer service representative.

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, lightning 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.

Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.

Document generated by [ManualsFile](#)

