


LANGUAGE

| | |
|----------|---------|
| English | 002-033 |
| Deutsch | 034-065 |
| Français | 066-097 |
| Italia | 098-129 |
| Español | 130-161 |
| 日本語 | 162-193 |

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1.IMPORTANT SAFETY WARNING

 **ATTENTION: Before using this machine, please read all instructions in the manual and cautionary markings on the machine carefully.**

- This user's manual includes information for Regulatory Models: Laesar L6 Pro Robot Vacuum Cleaner and Laesar LS-01 Dust Collection Charging Base.



Range of Usage

- This device is for indoor use only. Do not use outdoors or on wet surfaces. A physical barrier should be used to prevent access to the balcony and to ensure safe operation.
- Do not use this device on the unfinished, unsealed, waxed or rough floor. It may result in damage to the floor and this device. Use only on hard floor surfaces or low-pile carpet.
- This device has been designed to be used on floors without scratching them. We still recommend that you test this device on a small area of the room to be cleaned to ensure no scratches are made before cleaning the whole room.
- Do not use this device to pick up spills of bleach, paint, chemicals, or anything wet.
- Do not use this device to pick up anything that is burning or smoking. 
- Do not pour any liquids into the device and do not immerse in water.


About the Appliance Use

- This device can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of this device in a safe way and understand the hazards involved.
- Children should be supervised to ensure they do not play with this device. Cleaning and maintenance shall not be performed by children without adult supervision.
- This device is not a toy. Do not sit or stand on this device. Small children and pets should be supervised when this device is operating.
- Before using this device, pick up objects like clothing and loose paper. Lift up cords for blinds or curtains, and move power cords and fragile objects out of the way. If this device passes over a power cord and drags it, an object could be pulled off a table or shelf.



About the Charging Base Use

- Children and pets should be supervised when the charging base is operating.
- Do not sit or stand on this charging base.
- Do not use without dust bag and/or filters in place.
- 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. Do not place foreign objects inside and ensure it is clear of debris.
- Risk of electric shock, use this charging base in dry location only. 
- Do not handle plug or appliance with wet hands. 

Notes on Charging

- This device is only to be used with the power supply unit (LS-01) provided.
- The battery must be removed from this device before this device is disposed of.
- This product comes with a region approved power supply cord and is designed to be plugged into a standard household AC power outlet only.
- Product may not be used with any type of power converter. Use of power converters will immediately void the warranty.
- If you live in an area prone to electrical storms, it is recommended that you use additional surge protection.
- The external flexible cable or cord of the power supply unit cannot be replaced, if the cord is damaged, the power supply unit shall be disposed of. 
- If it will be not used for a long time, fully charge the appliance, turn it off and put in a cool and dry place. Charge the appliance at least once every 3 months to avoid battery damage due to over discharge.

About Storage and Maintenance

- Store and operate this device in room temperature environments only.
- Do not place the charging base close to heat sources (such as radiator). 
- To reduce the risk of electric shock, unplug your dirt disposal before cleaning or maintaining the product. 
- Clean with a cloth dampened with water only.

- Do not place anything on top of this device.
- Do not expose or disassemble the electronics of this device, its battery, or the integrated Charging Base. There are no user-serviceable parts inside. Refer servicing to qualified service.
- If you need to transport the product, make sure that the appliance is turned off and it is recommended to use the original package.

FCC STATEMENT

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.

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

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

NOTE: 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 or more 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.

Correct Disposal of this product



For the purposes of recharging the battery, only use the detachable supply unit provided with this appliance. This marking indicates that this product should not be disposed with other household wastes 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 return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmentally safe recycling.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

IC Statement

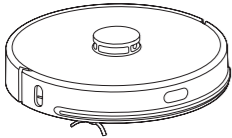
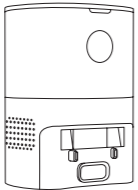
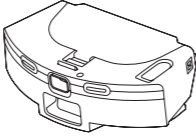
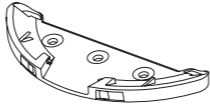
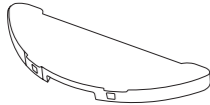
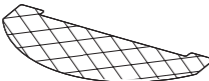
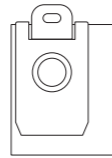
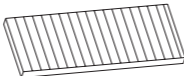
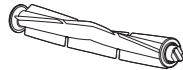
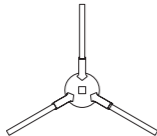


This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

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

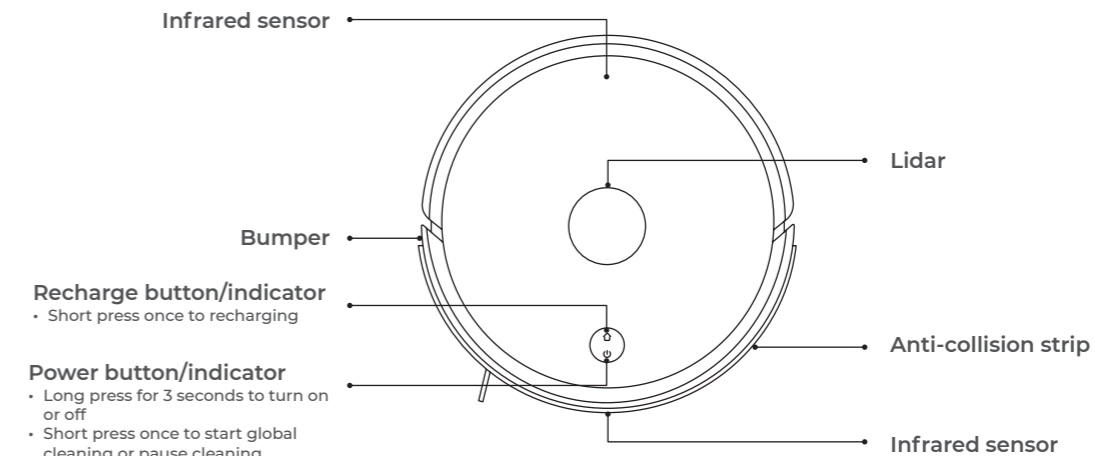
This equipment complies with IC exposure limits set forth for an uncontrolled environment. This equipment shall be installed and operated with minimum distance 20cm between the radiator & body

2.PACKING LIST



| | | | |
|---|---|--|---|
|  |  |  |  |
| L6 Pro Robot Vacuum Cleaner | Dust Collection Charging Base | Two-in-one water tank | Mop Cloth Support |
|  |  |  |  |
| Mop Cloth *2 | Disposable mop cloth *10 | Dust Bag *5 | Filter Screen *2 |
|  |  |  |  |
| Main brush | Side Brush *2 | Cleaning Knife | User Manual |

3.PRODUCT INTRODUCTION

Robot Vacuum Cleaner



Indicator Reminder

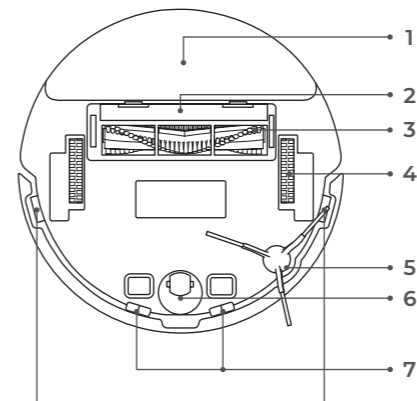
| Machine status | Status of power indicator  | Status of recharge indicator  |
|-------------------------|--|--|
| Stand by/pause | Blue light long bright | Light OFF |
| Charging | Blue light breath | Light OFF |
| Pause | Blue light Slowly flash | Light OFF |
| Cleaning/remote control | Blue light Long bright | Light OFF |
| Recharging | Light OFF | Orange light long bright |
| Abnormal | Red light fast flash | Light OFF |
| Turned off | Blue light fast flash | Light OFF |
| Wi-Fi not connected | Blue light slow flash | Light OFF |
| Wi-Fi connected | Blue light long bright | Light OFF |
| Wi-Fi being connected | Blue light long bright | Light OFF |

*Indicator status definition

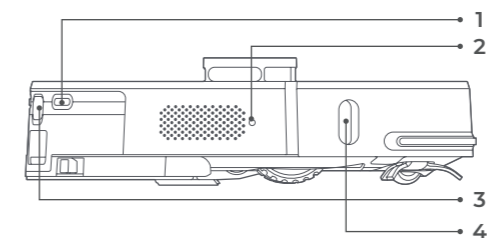
Breath: Gradually on and off in 4 seconds.

Slowly flash: On for 0.7 seconds, off for 0.8 seconds.

Faster flash: On for 0.1seconds, off or 0.2 seconds.

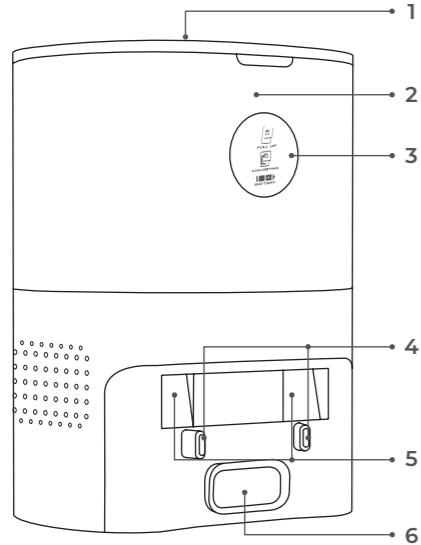


1. Mop cloth assembly
2. Main brush cover
3. Main brush
4. Side wheel
5. Side brush
6. Caster
7. Cliff sensor



1. Charging electrode tip
2. Reset button(Press and hold for 1 second to restart)
3. Dust bin release button
4. Wall-following position sensitive detector

Dust Collection Charging Base



1. Upper cover
2. Dust bag chamber
3. Screen
4. Charging and dust collection sensor head
5. Infrared lens
6. Suction inlet



- Dust bag is full: The light will be bright.

- Dust bag is not installed correctly: The light will flash



- During dust collection: The lamp is bright and flashing



- Full power: Two grids green long light

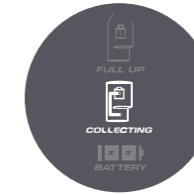
- Power \leq 50%: A grid green long light

4.MAINTENANCE

4.1 Replace the Dust Bag

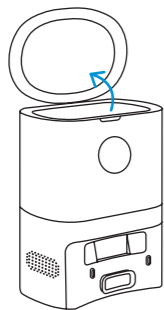


- When the dust bag is full, the “FULL UP” sign is keeping high brightness, and app notice is given. Please replace the dust bag in time.

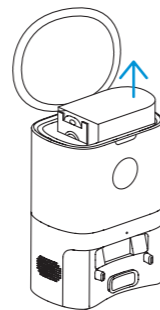


- The “COLLECTING” sign will be high brightness while the collector is working.

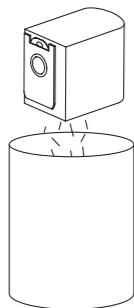
(1) Open the upper cover



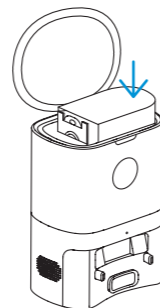
(2) Pull up the lifting handle of the dust bag and take out the dust bag



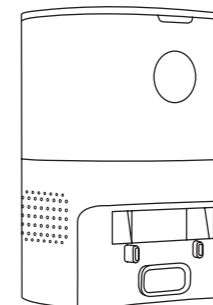
(3) Throw away the used dust



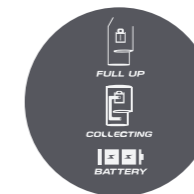
(4) Install a new dust bag




(5) Close the upper cover

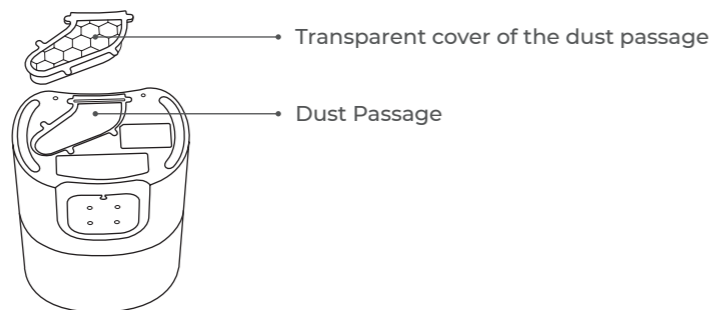


4.2 Clean the Dust Passage



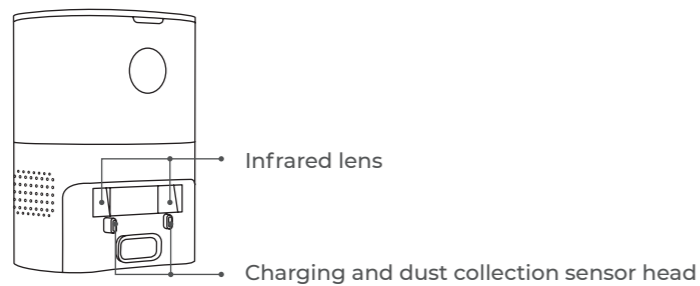
- If all signs are twinkling after the dust bag is replaced, it is recommended to pull out the power plug and reverse the dust collection charging base to check whether there are foreign matters blocking the dust passage.
- If the dust passage is blocked, remove the transparent cover of the dust passage with a screwdriver to remove foreign matters.

 Note: Violent disassembly is prohibited.
After cleaning, replace the cover as it is.



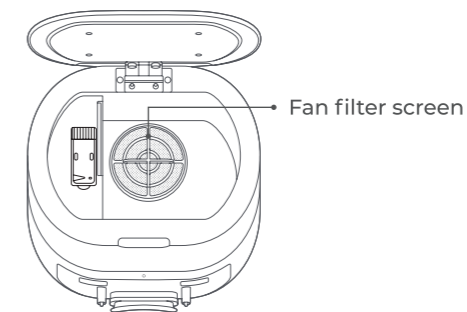
4.3 Clean the Infrared Lens/Charging and Dust Collection Sensor Head

Wipe them gently with a clean, soft, dry cloth. It is recommended to clean them once a month.



4.4 Clean the Filter Screen of the Fan

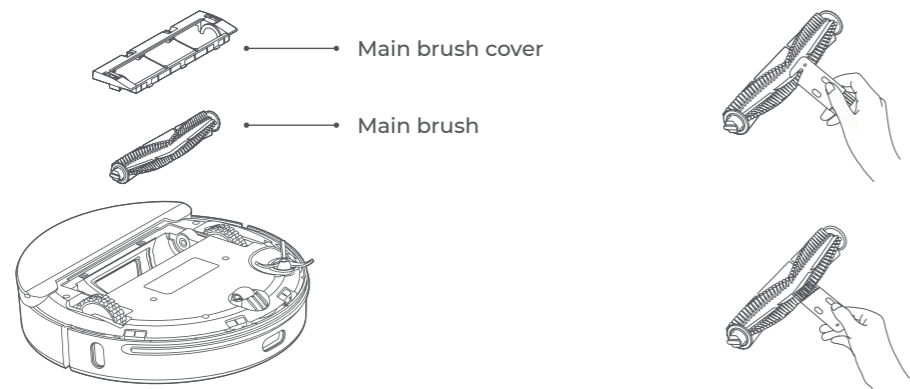
The filter screen of the fan is below the dust bag. If there is dust accumulation, wipe it gently with a clean, soft, dry cloth. It is recommended to clean them once a month.



4.5 Clean the Main Brush

The main brush is consumable and should be cleaned at least once a week. It is recommended to replace the main brush every 6-12 months to ensure the cleaning effect.

1. Reverse the robot vacuum, press the snap on the main brush cover, and remove the main brush cover and the main brush.
2. Cut off the hair wound on the main brush with the cleaning knife.
3. Replace the main brush and the main brush cover. Press and fasten the snap.



! Note: Avoid hitting when reversing the robot to prevent damage to the lidar.

4.6 Clean/Replace the Side Brush

The side brush is consumable. It is recommended to replace it every 3-6 months to ensure the cleaning effect. Remove or install the side brush with a screwdriver.

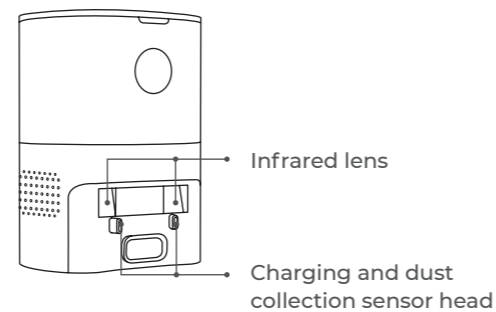
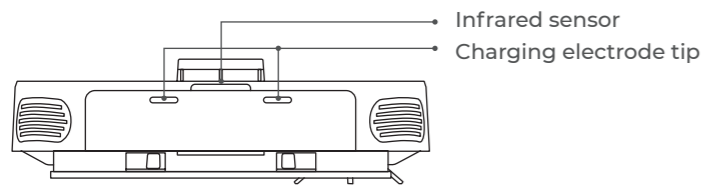


4.7 Clean the Sensor

It is recommended to use a clean, soft, dry cloth to wipe each sensor gently every week to ensure the normal use of the machine.

| Senor of the Robot Vacuum | Senor of the Charging Base |
|--|---|
| Cliff sensor ×4 Infrared sensor ×3 Charging electrode tip ×2 Wall-following TOF sensitive detector ×1 | Infrared lens ×2 Charging and dust collection sensor head ×2 |





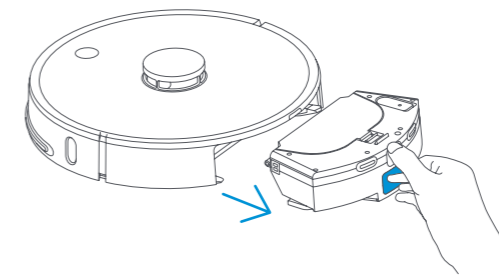
4.8 Battery Maintenance

- The robot vacuum has a built-in high-performance rechargeable lithium-ion battery pack. In order to maintain battery performance, please keep the battery pack charged every day.
- If the machine will not be used for a long time, please turn it off and store properly. Charge it at least every 3 months to avoid battery damage due to over discharge.

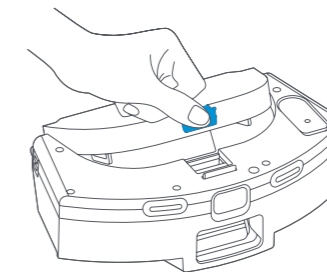
4.9 Clean the Two-in-one Water Tank

1. Press and hold the release button of the two-in-one water tank and at the same time pull it outwards.
2. Open the dust bin by pressing the dust bin snap.

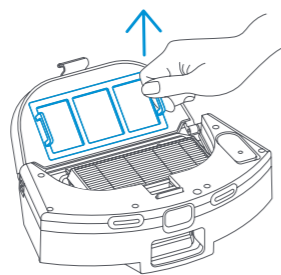
(1) Press and hold the release button of the two-in-one water tank and at the same time pull it outwards.



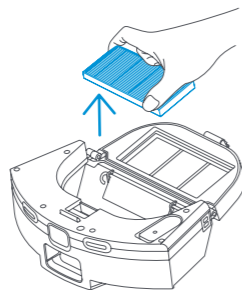
(2) Press and hold the release button of the two-in-one water tank and at the same time pull it outwards.



(3) Remove the debris on the filter screen and screen clip with a cleaning brush.



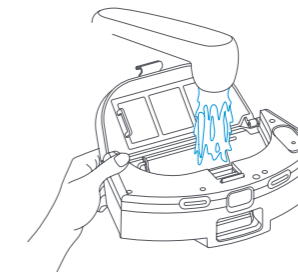
(4) Turn on the tap to clean the dust bin.




(5) Open the water tank cover and inject an appropriate amount of water.

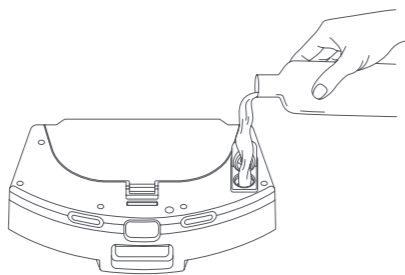


(6) Please remove the water tank fittings from the machine according to the illustration and reverse it, remove the mop or replace it.



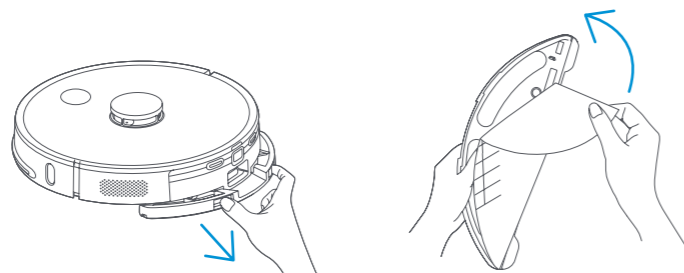
 Tips: The filter screen is consumable. It is recommended to replace it every 3-6 weeks. You can make a purchase through the official channel.

(7) Open the water tank cover and inject an appropriate amount of water.



 Tips: It is suggested to use pure water without any cleaning agent.

(8) Please remove the water tank fittings from the machine according to the illustration and reverse it, remove the mop or replace it.



Tips:

- If the mop is too dirty, it will affect the effect of mopping, please clean it in time.
- Be sure to remove the mop for cleaning and screw it dry before installation. It is forbidden to clean on the two in one water tank.
- The mop is a consumable and it is recommended to replace it every 3-6 weeks.

5.SPECIFICATION

| Robot Vacuum Cleaner | |
|-----------------------------------|---|
| Product name | Intelligent Cleaning Robot Vacuum Cleaner |
| Product model | L6 Pro |
| Product dimensions | 349 x 100 x 353 mm |
| Input of robot vacuum | 24V \approx 1.2A |
| Rated power of robot vacuum | 50W |
| Operating voltage of robot vacuum | 14.4V \approx |
| Battery type | Lithium ion battery pack |
| Battery capacity | 5200mAh |
| Wireless connection | Wi-Fi IEEE 802.11b/g/n 2.4GHz |

| Dust collection Charging Base | |
|--|--------------------|
| Output of dust collection charging pile | 24V \approx 1.2A |
| Rated power of dust collection charging pile | 950W |
| Product dimensions | 253x 210 x 350 mm |

6.TROUBLESHOOTING

When the machine runs abnormally, the power indicator will blink in orange, and the machine will give a voice prompt when some faults occur. Please refer to the table below for a solution.

| Voice prompt/fault phenomena | Possible causes | Solution |
|---|---|---|
| Please check if the radar is stuck | The radar is blocked or stuck | Remove the obstacle or move the machine to an open place and restart it |
| Please check the anti-collision rail | The bump sensor is stuck | Clean up the foreign matters around the anti-collision rail, or move the machine away |
| Please wipe the cliff sensor and move away from the dangerous area to restart | The cliff sensor is triggered after the machine is started up | Please wipe the cliff sensor and move the machine to a flat and open place to start |
| Please check the main brush | The main brush is stuck | Clean the main brush, or move the machine away |

| Voice prompt/fault phenomena | Possible causes | Solution |
|--|--|---|
| Please check the side brush | The side brush is stuck | Clean the side brush, or move the machine away |
| Please check the main wheel | The main wheel is stuck | Clean the main wheel, or move the machine away |
| The two-in-one water tank is taken out | The two-in-one water tank has been taken out | Please replace the two-in-one water tank and the filter screen, and confirm that the filter screen and the two-in-one water tank are installed in place |
| Low battery, start recharging | Low battery during cleaning | Low battery. Please charge the robot before using |
| The fan is abnormal | The fan is abnormal | Please try to turn the machine off and then restart it |
| Please wipe the wall-following position sensitive detector on the right side | The wall-following position sensitive detector is abnormal | Please wipe and clean the wall-following position sensitive detector |
| The radar cover is pressed | The radar cover is stuck | The radar is pressed or stuck. Please move it to another position to start |
| The battery is damaged or not installed | The battery has abnormality during charging | The battery temperature is too high or too low. Please wait for the battery temperature to return to be normal before use |
| The machine cannot be started up | Low battery level or abnormal ambient- temperature | The battery level is low. Please charge it before use. The ambient temperature is too low (below 0 or too high (above 50 °C). Please use the product in the environment of 0 °C ~ 40 °C |

| Voice prompt/fault phenomena | Possible causes | Solution |
|--|--|---|
| Cannot be charged | 1. The dust collection charging pile is not electrified 2. The charging electrode tip is dirty 3. The charging electrode tip has poor contact | 1. Please confirm that the power cord of the dust collection charging pile is connected to the power supply 2. Regularly clean the charging electrode tip of the machine and the dust collection and charging sensor head of the dust collection charging pile 3. Please eliminate the poor contact caused by the side brush or other foreign matters, and try to reposition the machine manually |
| Recharging failed, dust collection charging pile not found | The dust collection charging pile is blocked or too far away; the dust collection charging pile is not connected to the power supply; there are foreign matters at the bottom of the mop cloth support or the mop cloth is rolled up | Please put the dust collection charging pile in the open area, and put the machine near the dust collection charging pile to retry□ please connect the dust collection charging pile to the power supply; please clean up the bottom of the mop cloth support and tidy the mop cloth |
| Abnormal behavior | Program exception | Turnoff and restart |
| There are abnormal sounds during cleaning | Foreign matter wound on the main brush/side brush or the main wheel | Please turn off the machine for cleanup |
| The cleaning capacity is reduced or the dust drops | The dust bin is full or the filter screen is blocked or the main brush is entangled | Please clean the dust bin, the filter screen and the main brush in time |

| Voice prompt/fault phenomena | Possible causes | Solution |
|---|--|---|
| Regular cleaning does not work | Low battery | Regular cleaning can only be started when the remaining battery level is greater than 30%. Please keep the machine charged every day |
| Cannot be connected to APR | Abnormal Wi-Fi network, wrong Wi-Fi password or abnormal APP | Please ensure that the machine is in a good Wi-Fi signal area; re-enter the Wi-Fi password or reset Wi-Fi; download and connect the latest version of APP |
| The floor mopping module outputs no water or little water | No enough water in the water tank, too dirty mop cloth or the mop cloth support not installed in place | Please check whether there is water in the water tank; dean the mop cloth□ and install the mop cloth correctly according to the instructions |
| The floor mopping module outputs too much water | The water tank cover is not in place, and the water output is adjusted to the maximum | Please confirm that the water tank cover is installed in place, and adjust the appropriate amount of water in the APP |
| The dust collection performance degrades | Dust accumulates in the dust bag, causing the air flow into the suction nozzle to decrease. | Replace the dust bag |
| Cannot return to the dust collection charging pile after fixed-point cleaning or moving | The robot constructs a new map or the distance is too far | After fixed-point cleaning or moving for a long distance, the robot will generate a new map. If the dust collection charging pile is far away, the robot may not be able to recharge automatically. Please manually put the machine back to the dust collection charging pile for charging. |

In case of abnormal operation of the dust collection charging pile, APP will give a message on the phone.

| Voice prompt/fault phenomena | Possible causes | Solution |
|--|---|---|
| Dust collection failed | The dust bag is missing or not installed in place | Remove the obstacle or move the machine to an open place and restart it |
| The fan starts overheat protection or has faults | Please install the dust bag correctly, and try to collect dust again 30 minutes later, if it can't be solved, please contact after-sales customer service | Clean up the foreign matters around the anti-collision rail, or move the machine away |

7.WARRANTY

The 1-Year Limited Warranty

- Your Laesar machine has a 1-year warranty against original defects in material and workmanship, when used for private household purposes in accordance with the Laesar Instruction Manual.
- This warranty provides, at no extra cost to you, all labor and parts necessary to ensure your machine is in proper operating condition during the warranty period.

WHAT IS COVERED?

According to the requirements outlined in this instruction manual, subject to the following conditions and exclusions. Only applies to purchases made from authorized retailers of Laesar. This warranty will only be valid if the machine is used in the country in which it was sold.

WHAT IS NOT COVERED?

Laesar shall not be liable for costs, damages or repairs incurred as a result of:

- Machines purchased from an unauthorized dealer.
- Careless operation or handling, misuse, abuse and/or lack of maintenance or use not in accordance with the Laesar Instruction Manual.
- The machines are used for commercial or rental purposes in addition to normal domestic use.
- Use of parts not in accordance with the Laesar Instruction Manual.
- Use of parts and accessories other than those produced or recommended by Laesar.
- External factors unrelated to product quality and use, like accidental water damage.
- Repairs or alterations carried out by unauthorized parties or agents.
- Normal wear and tear, including Water Tank, Filter, HEPA, Main Brush, Side Brush and Power Cord (or where external damage or abuse is diagnosed), carpet or floor damage due to use not in accordance with manufacturer's instructions or failure to turn the brush roller off when necessary.
- Reduction in battery discharge time due to battery age or use.

HOW TO CLAIM?

Please keep your proof of purchase. To make a claim under our Limited Warranty, you need to provide your original purchase receipt with the purchase date and order number on it. All work will be carried out by Laesar or its authorized agency. Any replaced defective parts will become the property of Laesar. Service under this warranty will not extend the period of this warranty.

If your machine is not functioning properly, or you still have any questions after reading this manual carefully, please feel free to contact us, we will try our best to provide you with a satisfactory solution.



Email to Our Customer Service:
support09@laresar.us
Laresar is always here and waiting for you.

8.DISPOSAL

This product must not be disposed of as household waste. Dispose of the device at an authorized collection point for the recycling of electrical appliances.

The chemicals contained in the lithium-ion battery of the product will pollute the environment. Please remove the battery before scrapping and send it to a professional battery recycling station for centralized disposal.

Steps for removing the battery

The following information is only applicable to the discarding of the sweeping and mopping robot and not to daily operation.

- Make the robot vacuum run to a low battery level at which the robot cannot perform the cleaning task without contacting the dust collection charging pile.
- Turn off the robot vacuum.
- Remove the side brush and the mop cloth support of the robot.
- Unscrew the bottom cover of the robot cleaner, and remove the bottom cover.
- Pull out the connector plug of the battery, and remove the battery.

Notes:

- To remove the battery, make sure that the battery is exhausted and the product is disconnected from the dust collection charging pile.
- Please remove the battery pack as a whole. Do not damage the battery pack case to avoid short circuit or leakage of hazardous substances.
- If you contact substances leaking from the battery by accident, wash the contact part with plenty of water and see a doctor in time.

