



## USER MANUAL FOR LAMBOT ROBOTIC VACUUM CLEANER

Please read this user manual carefully before using Lambot and then keep it properly.

Lambot, Live Clean and Smart



# Welcome to Lambot

Thank you for choosing LAMBOT Robotic Vacuum Cleaner!

Lambot is an intelligent vacuum robot with autonomous localization and navigation ability. With its bright eyes (the laser range scanner) and brilliant brain (the core algorithm chip), it explores its surrounding environment automatically and plans the best path for cleaning. Meanwhile, it keeps the areas where it has cleaned in mind and will load the maps of those areas quickly in its next task. Lambot improves its working efficiency via continuous learning so as to realize a clever walking and clean sweeping.

With Lambot mobile application and cloud services, you can remotely schedule cleaning tasks for your vacuum robot, check its performance and even directly control the work of your robot in real time.

We appreciate your choosing Lambot and hope that Lambot will help you get rid of the burden of cleaning and leave more time for your family and life.

Enjoy your life with Lambot!



Lambot Wechat Official Account



Lambot Mobile Application



Lambot Mini Program



APP Users Guide

LAMBOT Robotic Vacuum Cleaner Team

\*The product is to prevail in kind. We reserve the rights to update the product and all updates are subject to change without notice.  
\* User manual version V2.0



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# Safety

## Usage Restrictions:

- \*Your robot is for home environment use only. Please do not use it in outdoor environment (open balcony), non-ground environment (sofa, dining-table, tea table and etc.), business places and industrial environment.
- \*Do not use Lambot in the environment where it may fall down and cause bodily injury and property damage (such as the top of some furniture, loft house and etc.).
- \*The operating temperature range of Lambot is 0°C-40°C. Please do not use Lambot under extreme temperature, or it may damage the battery and charging station of Lambot.
- \*Do not use Lambot on the ground with liquid or goopy stuff.
- \*Please pick up the small objects and power cables or any other stuff which may affect the performance of Lambot.
- \*Before using Lambot, please make sure all fragile, unsteady, valuable or dangerous objects are taken in well, or it may cause bodily injury and property damage.
- \*When you use Lambot for the first time, please observe the work of your Lambot and assist it in handling some little troubles: power cables on the ground, rugged area or the area where Lambot may get lifted or stuck. For the areas that may cause trouble, you can set the virtual walls around those areas in the Lambot mobile application to prevent it from moving into those areas during its future tasks.
- \*Please make sure that the aged, the pregnant woman, the kids or other people who need special care in the family are aware of the usage of Lambot so as to prevent any bodily injury and property damage caused by colliding, stumbling or other accident.
- \*Do not let people with disability in mind, body or perception to use this product.
- \*Please place Lambot, the charging station and all its parts well to prevent kids touch, any bodily injury and property damage.
- \*Your Lambot is not a toy. Do not sit or stand on it. Small kids and pets should be supervised when it is working.
- \*Please take away the cables on the ground. Or it may cause danger to your kids or pets or other accident.
- \*Do not put your finger or anything else into the suction inlet or air outlet of Lambot when it is working.
- \*Please make sure there are nothing hot or burning on the ground for Lambot to clean, like a burning cigarette or paper and etc.
- \*Do not use Lambot to clean long hair carpet, or it may cause property damage.
- \*Lambot may not work properly on some dark-color ground or blanket.
- \*Do not use Lambot to pick up sharp objects like glasses, nails and etc.
- \*Do not place anything on the top of your Lambot, such as thin film, protection cover, blanket and etc.
- \*When manually moving Lambot, please make sure that its laser range scanner is protected well to prevent it from damage resulting from colliding or wobbling.
- \*Please clean Lambot and its charging station after turning Lambot down and disconnecting the charging station from power.
- \*Please clean Lambot and its charging station with a soft and dry cloth. Do not clean them with any wet cloth, cleaner or other liquid.
- \*Please use Lambot as instructed by this user manual. Any bodily injury and property damage caused by improper usage of this product is at the user's own risk.

# Safety

## Battery & Charging:

- \*Please make sure that the charging voltage meets the rated standard.
- \*Do not use the battery, charging station or charging cable from any third parties.
- \*Do not open, fix, modify the charging cable, power adapter, charging station and battery without permission.
- \*Do not put Lambot or the charging station near any heat source device including but not limited to heating radiator, induction cooker, oven and etc.
- \*Do not clean or touch the charging station and the charging electrodes of Lambot with any wet cloth.
- \*Do not throw used battery about. Please send the used battery to professional recycle organization.
- \*Do not use the power cable if it is broken or parted. Please contact our customer service to choose and purchase the quality cable for replacement.
- \*If you need to transport this product, please make sure Lambot is power off and packaged with its original packing box,
- \*If you don't use Lambot for a long time, please fully charge Lambot and turn it off. You need to store it in a cool and dry place and charge it every three months to prevent over-discharge.

## Laser Safety Information:

The laser range scanner installed in this product is subject to <IEC 60825-1:2014(Third Edition)> standard and will not produce harmful laser lights.

## Product Executive Standard:

EN 300328, FCC CFR47 Part 15, IEC 60335, EN55012, EN60355, EN62479, EN301489, AS/NZS 4268, AS/NZS 60335, EN 300 328, EN60950, EN301 489-1/-17

## LAMBOT Robotic Vacuum Cleaner

Manufacturer: Shanghai Lambot Intelligent Co., Ltd.

Address: Building C, No 888, West 2nd Huanhu Road, Nanhui New Town, Pudong New District, Shanghai, China.

# Safety

## LAMBOT Robotic Vacuum Cleaner Performance Issue List

LAMBOT Robotic Vacuum Cleaner Performance Issue List	
Part Name	Performance Issue
Lambot	Functions listed in this manual unavailable Unable to launch Main brush, side brushes, vacuum fan or driving wheels cannot work normally
Charging Station	Unable to charge Lambot vacuum robot normally
Charging Cable	Unable to provide power supply for charging station normally

# Quality Certificate

Company Name: Shanghai Lambot Intelligent Co., Ltd.

Product Name: LAMBOT Robotic Vacuum Cleaner

This product is qualified according to the delivery inspection.



THANK YOU FOR PURCHASING  
THE AMAZING LAMBOT VACUUM ROBOT  
FOR MORE INFORMATION  
PLEASE VISIT LAMBOT INTELLIGENT OFFICIAL WEBSITE  
[www.lambot.ai](http://www.lambot.ai)

## FCC Caution

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.

Any 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.

\*RF warning for Mobile device:

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.

# CE Certification

This product can be used across EU member states.

## RED Declaration of Conformity

The simplified EU declaration of conformity referred to in Article 10(9) shall be provided as follows:

Hereby, Shanghai Lambot Intelligent Co., Ltd. Corporation, declares that the radio equipment type(product name:Lambot robotic vacuum cleaner, model:LBPWWEU2) is in compliance with Directive 2014 / 53 / EU. The full text of the EU declaration of conformity is available at the following internet address: [www.lambot.ai](http://www.lambot.ai)

Function	Operation Frequency	Max RF output power:	Limit
BLE	2402MHz~2480MHz	4.28 dBm	20 dBm.
WIFI 802.11b/g/n(HT20,HT40)	802.11b/g/n(20MHz): 2412~2472MHz; 802.11n(40MHz):2422~2462MHz	12.55dBm	20 dBm.
Wi-Fi 5.2G(802.11a/n20/n40/ac20/ac40/ac80)	802.11a/ n20/ac20:5180MHz~5240MHz 802.11 n40/ac40:5190MHz~5230MHz 802.11ac80:5210MHz	9.59dBm	23 dBm.
Wi-Fi 5.8G(802.11a/n20/n40/ac20/ac40/ac80)	802.11a/ n20/ac20:5745MHz~5825MHz 802.11 n40/ac40:5755MHz~5795MHz 802.11ac80: 5775MHz	10.46dBm	13.98 dBm.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

The appliance is only to be used with the power supply unit provided with the appliance.



- 1.Use careful with the earphone maybe possible excessive sound pressure from earphones and headphones can cause hearing loss.
- 2.CAUTION: RISK OF EXPLOSION IF BATTERY IS REPLACED BYAN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDINGTO THE INSTRUCTIONS.
- 3.The product shall only be connected to a USB interface of version USB2.0.
- 4.Adapter shall be installed near the equipment and shall be easily accessible.
- 5.Operation temperature:-10~40°C.

The appliance is only to be used with the power supply unit provided with the appliance

- USERS INFORMATION pursuant to Leg<sup>1</sup>slat1ve Decree No.49 of March 14.2014" Implementation of Directive 2012/19/ EU on Waste Electrical and Electronic Equipment (WEEE)"

This wheeled bin symbol on the p<sup>roduct</sup> indicates that at the end of its life must be collected separately from other waste. The user must , therefore, take the remote control integrates the essential components that got to its life to the appropriate differentiated collection centers for electronic and electro-technical waste,or return it to the dealer when purchasing a new appliance of equivalent type , in terms of one to one , or one to zero for equipment having longe<sup>side</sup> of less than 25 cm .Appropriate separate collection for the decommissioned equipment for recycling ,processing and environmentally compatible disposal helps prevent negative impact on the environment and human health and promotes recycling of the materials making up the product . Illegal dumping of the product by the user entails the application of administrative sanctions stated in Legislative Decree n .Legislative Decree No. 49 of March 14.2014

This device compliance with RF Exposure requirements when it use at least 20cm away from users body.

Any modification to HW/FW may lead to non-compliance with the essential requirement of RED.

This information has to be presented in such a way that the user can readily understand it. Typically, this will necessitate translation into every local language (required by national consumer laws) of the markets where the equipment is intended to be sold. Illustrations, pictograms and using international abbreviations for country names may help reduce the need for translation.

Restrictions in the 5 GHz band:

According to Article 10 (10) of Directive 2014/53/EU, the packaging shows that this radio equipment will be subject to some restrictions when placed on the market in Belgium (BE), Bulgaria (BG), the Czech Republic (CZ),Denmark (DK), Germany (DE), Estonia (EE), Ireland (IE), Greece (EL), Spain(ES), France (FR), Croatia (HR), Italy (IT), Cyprus (CY), Latvia (LV), Lithuania(LT), Luxembourg (LU), Hungary (HU), Malta (MT), Netherlands (NL), Austria(AT), Poland (PL), Portugal (PT), Romania (RO), Slovenia (SI), Slovakia (SK),Finland (FI), Sweden (SE), the United Kingdom (UK), Turkey (TR), Norway(NO), Switzerland (CH), Iceland (IS), and Liechtenstein (LI).

The WLAN function for this device is restricted to indoor use only when operating in the 5150 to 5250 MHz frequency range.

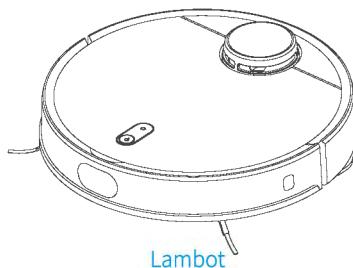
	ES	LU	RO	CZ	FR	HU	SI
	DK	HR	BE	BG	DE	EE	IE
	EL	IT	Cy	LV	LT	SK	MT
	NL	AT	PL	PT	FI	SE	UK
	TR	NO	CH	IS	LI		

# Unpacking

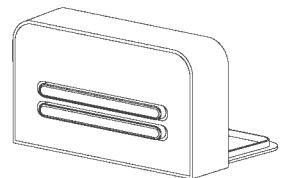
When you unpack the product box, you will find the following parts and accessories.

Please check whether they have been included in the box.

User Manual	X1
Lambot	X1
*Two-in-one water tank	
Water Tank	X1
Dust Bin	X1
*Filter	X2
Side Brush	X2
*Main Brush	X1
*Cleaning Brush	X1
Charging Station	X1
Power Cable	X1
Mop	X1



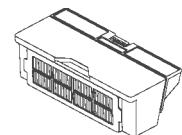
Lambot



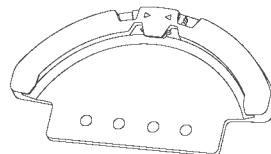
Charging Station



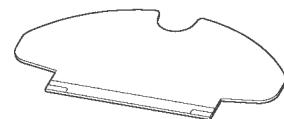
Power Cable



Cleaning Brush



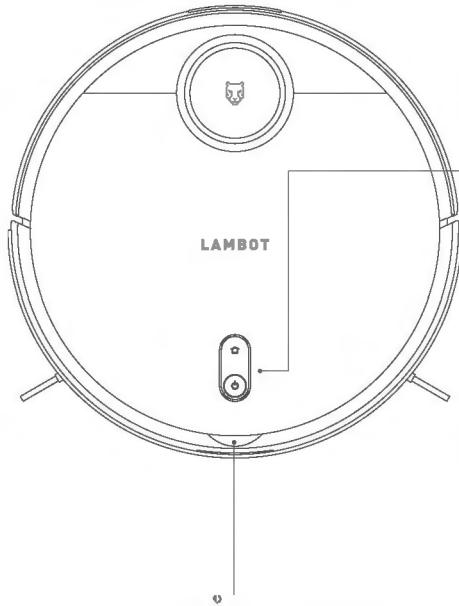
Mop Plate



Mop

# About Your Lambot

## Lambot

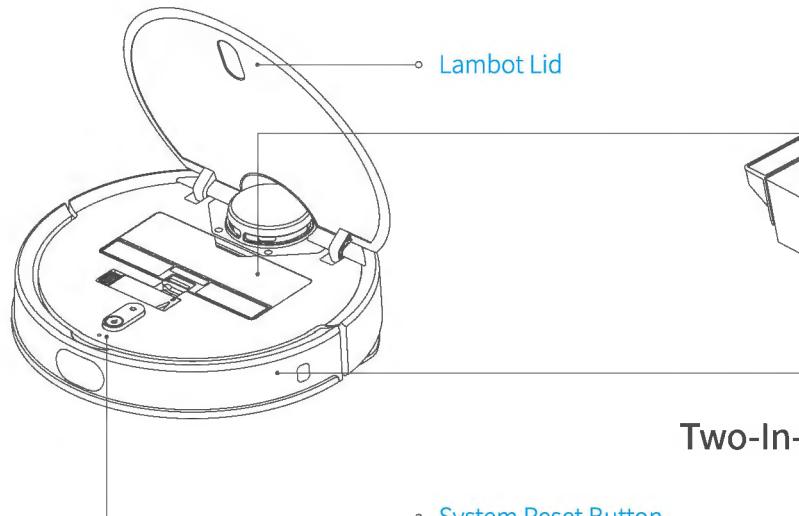


Open Lambot Lid Here

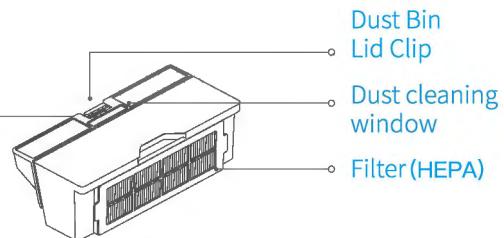
- **Dock Button:**
  - Short press to recharge or pause
  - Long press for spot sweeping
- **WiFi Indicator:**
  - Slow flash: Waiting for WiFi connection
  - Keep on: WiFi connection success
  - Quick flash: WiFi connection failed
- **Power Indicator:**
  - White light:  $\geq 20\%$
  - Red light:  $< 20\%$
  - Breathing flash: Charging
  - Red flash: Error
- **When Lambot is on, press down the power button and home button both for 3 seconds to reset WIFI.**

# About Your Lambot

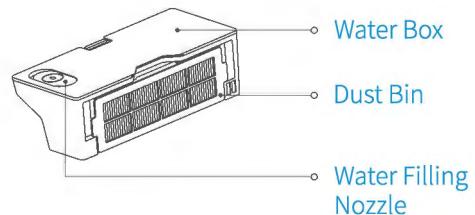
## Lambot



## Dust Bin

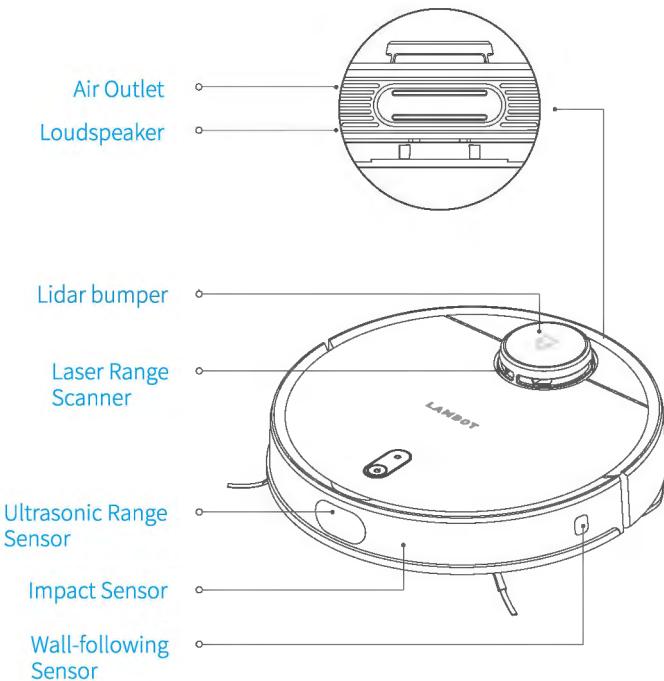


## Two-In-One Water Box

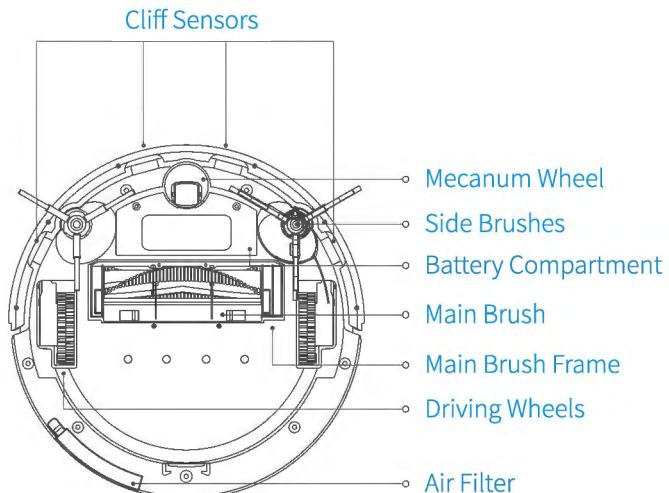


# About Your Lambot

## Top View

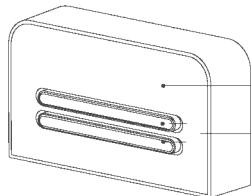


## Bottom View

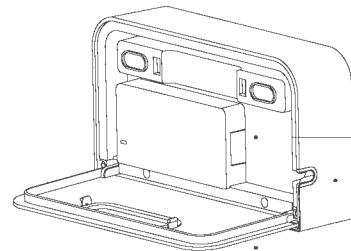


# About Your Lambot

## Charging Station

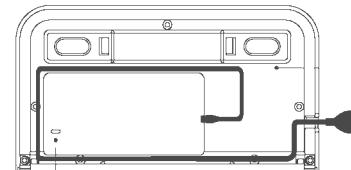
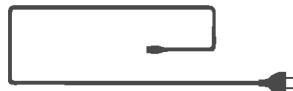


- Recognition Zone
- Charging Electrode



- Cable Outlet
- Cable Slot
- Back Lid  
(Could be used as support frame)

## Power Cable

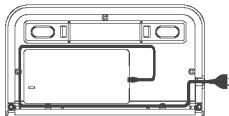


- Cable Slot
- Power LED

# I Preparation

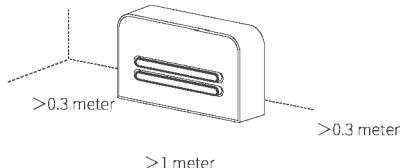
## 01 Power Cable Connection and Put in Order

\*Put the overlong part of the power cable into the cable channel in case the cable disconnects from the charging station due to dragging by the moving Lambot.



## 02 Place the Charging Station and Connect It to Power

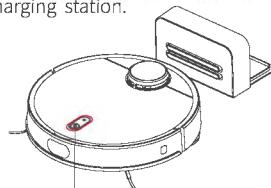
\*Place the charging station against a wall and ensure there is at least 0.3 meter on each side of the charging station and at least 1 meter in front of the charging station



\*Make sure the led is on with the cable plugged in.

## 03 Charge Lambot on the Charging Station

\*Lambot will automatically power on after docking on the charging station.

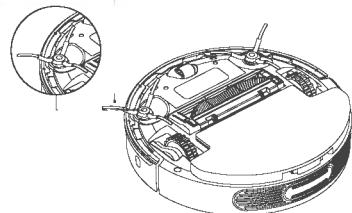


Power indicator:  
White light:  $\geq 20\%$   
Red light:  $< 20\%$   
Breathing flash: Charging  
o Red flash: Error

## 04 Install side brush components

Install both side brushes on the bottom, regardless of left or right.

Side Brush



## 05 Install Mobile Application and Bind Your Lambot

Search Lambot in the application store or scan the following QR code to download and install the mobile application.

\*When you cannot connect to Lambot via the mobile application, please follow the instructions in the application to reset WiFi.



APP Download

## 06 Start Working

Short press the power button or click in the Lambot mobile application to start a sweeping task.

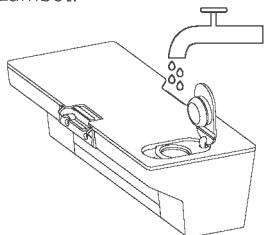
\*If the battery gets low, Lambot will not start working. It is suggested that you fully charge Lambot before you use it for the first time.

(After Lambot being fully charged, the power indicator keeps on in white.)

# Install mop module

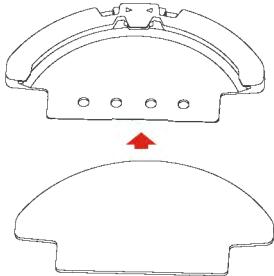
## Filling Water

Take out two-in-one water box from the Lambot. Open the water box lid and filling water. Then close the lid and put it back to the Lambot.



## Mount Mop

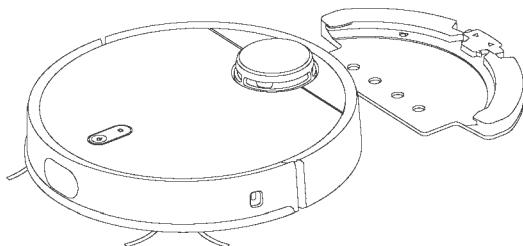
Wet out the mop and wring it out, then mount it to the mop plate.



## Mount Mop Component

Push the component along the bottom side of the Lambot, until it's locked.

The Lambot will say, "Water mop is mounted."



The Lambot will work in "Mop Mode" with mop component mounted. In this mode, you can switch between the 4 water box draining levels.

\* There's an embedded dust bin in the middle of Two-In-One water box. It will make a vacuum clean before mopping the floor.

\* Don't use mop component with nobody at home.

\* Use mopping forbidden zone to prevent the Lambot wet out the carpets.

\* Clean the mop and empty the water box after each mopping would be better to prevent the weep hole blocked.

# Instruction

## Power On/Off

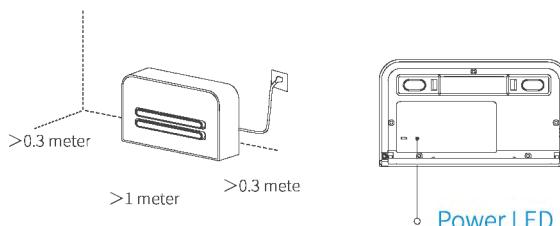
1. Lambot will automatically power on after docking to the charging station.
2. Lambot cannot power off while docking to the charging station.
3. When long pressing the power button, Lambot will power on and its power indicator will light up. If launching successfully, Lambot will send out a voice prompt..

## Charge

### Place the charging station.

Place the charging station against a wall on a level ground and ensure that there is enough space on both sides of the charging station and in front of the charging station.

Connect the power cable with the power interface on the charging station and put the overlong part of the power cable into the cable channel. Plug in the power cable.



\*Please make sure the charging station is placed in an area with consistent WiFi coverage so that Lambot can connect to the network while charging itself.

1. Lambot will automatically go back to the charging station after finishing all the sweeping tasks. If it cannot find the way back, please take it back to the charging station manually.

2. If the battery gets lower than 20%, Lambot will automatically go back to the charging station to fully recharge itself and then automatically return to where it left off and complete the rest job.

3. If Lambot automatically powers off when running out of battery, please take it back to the charging station manually.

Please ensure that the charging electrodes are connecting properly and the power indicator lights up with breathing flash.

## Network Configuration

Before setting network for your Lambot, please make sure your smart phone and Lambot are within a consistent WiFi coverage and if possible, take them close to the router.

If you cannot connect to your Lambot via your smart phone due to changes of the password or the router settings, please reset the WiFi of Lambot and rebind it to your smart phone.

### Reset Network:

When the Lambot is on, press down the power button and the dock until Lambot sends out a voice prompt and the WiFi indicator lights up with slow flash.

### Bind Your Lambot:

Open the Lambot mobile application and follow the instructions to add your Lambot.

# Instruction

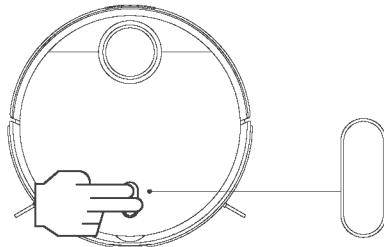
## Network Configuration

### Pairing the Device

- 1.Download and install the Lambot APP by scanning the QR code or searching from APP store. Open the Lambot APP and prepare to add a new Lambot.

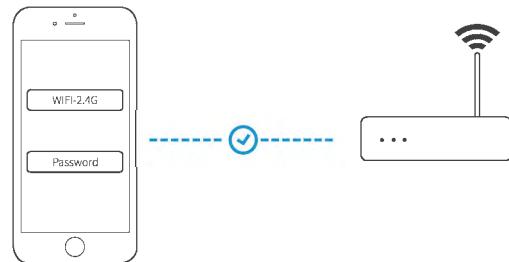


- 2.Press down the power button and the dock button for at least 3 seconds. The Lambot will enter networking configuring mode.

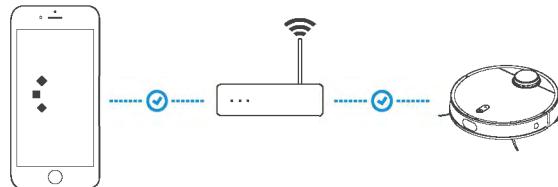


\*Press down the power button and home button for 3 seconds to enter network configuration mode.

- 3.The phone should connect the WIFI and enable Bluetooth. Then add a new Lambot in Lambot APP. Choose the WIFI SSID your phone connected, and input the right WIFI password.



- 4.The Lambot APP will try to connect the Lambot to the WIFI.



\* You can get detailed user guide in the Lambot APP.

# Instruction

## Sweep

There are two ways to make Lambot start sweeping:

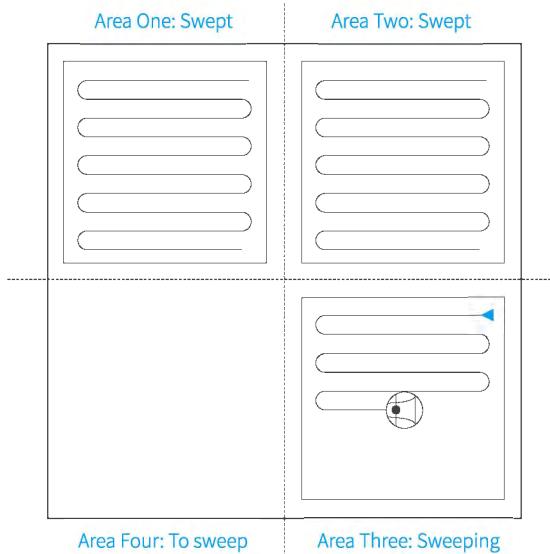
1. Short press the power button on Lambot to start a sweep task.
2. In the Lambot mobile application, go to the device page and click Sweep button to start a sweep task.

### Sweep Plan:

Lambot automatically explores its surrounding environment, builds a map for it and divides the map into several sweeping areas. In each sweeping area, Lambot first follows the wall to sweep all the wall corners and then sweeps the left area back and forth, just like a human. After the job in one sweeping area is done, Lambot goes to the next sweeping area and starts sweeping automatically. If Lambot finishes the tasks in all the sweeping areas, it will return to the charging station to recharge itself.

### Resume Sweeping:

If the battery gets low before Lambot finishing a sweeping task, Lambot will go back to the charging station to fully recharge itself and then automatically returns to where it left off and completes the rest job.



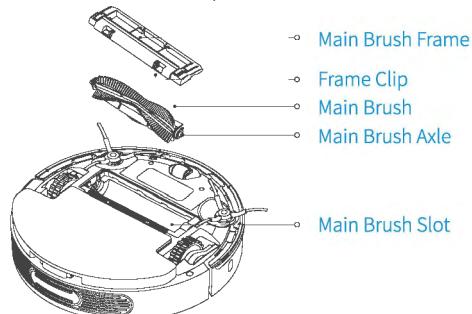
For detailed user guide, please refer to the manual in Lambot APP or get help by scanning the QR code.



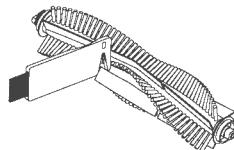
# Maintenance

## Main Brush

1. Turn Lambot upside down, press the clip to take the main brush frame down;
2. Take the main brush down;
3. Clean the main brush slot;
4. Clean the main brush axle;



5. Clean the tangled stuff on the main brush with the attached cleaning brush;
6. Reinstall the main brush and fasten the main brush frame.



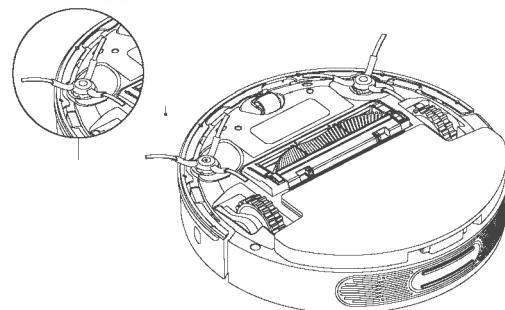
\* The main brush should be cleaned once per week.

\* The side brush should be replaced every 6-12 months. Or you can follow the replacement notice in the Lambot mobile application.

## Side Brush

- 1.Turn Lambot upside down and remove the two side brushes;
- 2.Clean the side brushes;
- 3.Clean the tangled things on the side brush axles;
- 4.Reinstall the side brushes. Please ensure that they are installed properly since the left side brush is different . from the right one.

### Side Brush



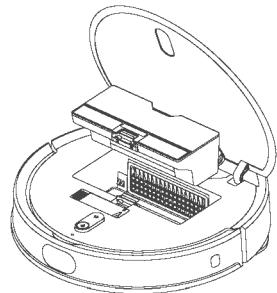
\* The side brush should be cleaned once per month.

\* The side brush should be replaced every 3-6 months. Or you can follow the replacement notice in the Lambot mobile application.

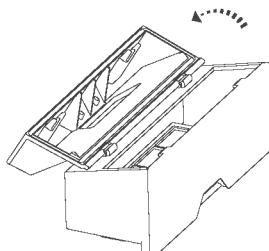
# Maintenance

## Dust Bin and Filter

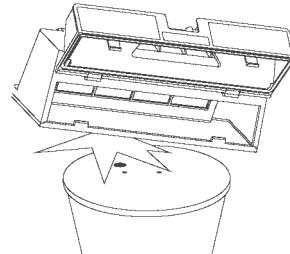
1. Open the Lambot lid;
2. Take the dust bin out;



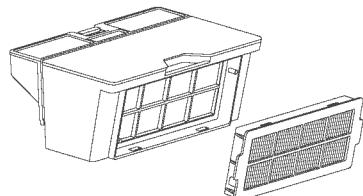
3. Open the dust bin lid;



4. Empty the dust bin;



5. Wash the dust bin and the filter with water;
6. Ensure the dust bin and the filter are dry and then reinstall them into Lambot.



\* To ensure the best cleaning performance, the filter should be replaced every 6-12 months. Or you can follow the replacement notice in the Lambot mobile application.

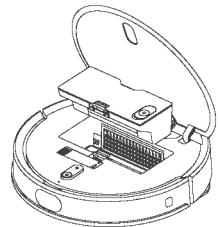
\* Clean HEPA with water is not allowed.

# Maintenance

## Two-In-One Water Box

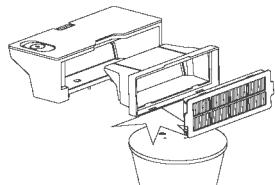
Recommend to clean it each time

1. Take out Two-In-On Water Box.

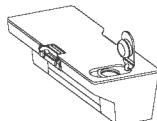


2. Take out embedded dustbin, and clean it,

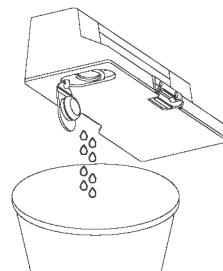
\* Don't clean the HEPA with water.



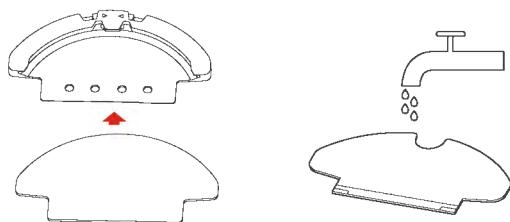
3. Open the water box lid.



4. Empty the water.



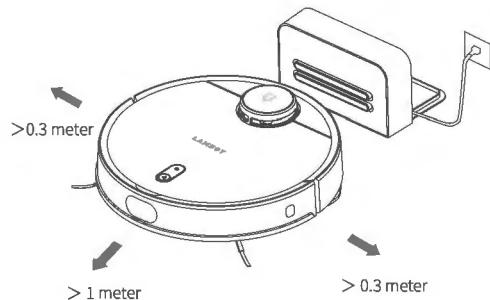
5. Take down the mop from the plate. Clean it with water and dry it before next use.



# Maintenance

## Battery

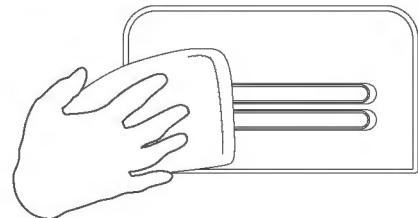
Lambot has a high-performance Lithium Ion battery pack installed. The battery is free from memory effect, so you don't need to worry about the repeated charge-discharge issue. For best experience, while Lambot is idle, please also keep Lambot charged on the charging station to ensure that it is ready for its next sweeping task.



\* During storage, Lambot should be powered off and the charging station should be disconnected from power. And Lambot should be charged every three months to prevent over-discharge.

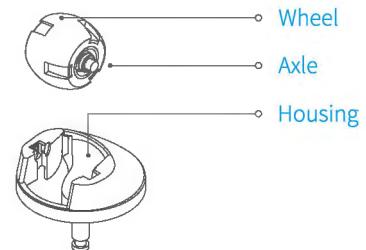
## Charging Electrode

After disconnecting from power, clean the electrodes on the charging station and Lambot with a dry and soft cloth.



## Mecanum Wheel

1. Turn Lambot upside down;
2. Clean the hair and dust on the wheel and its axle.



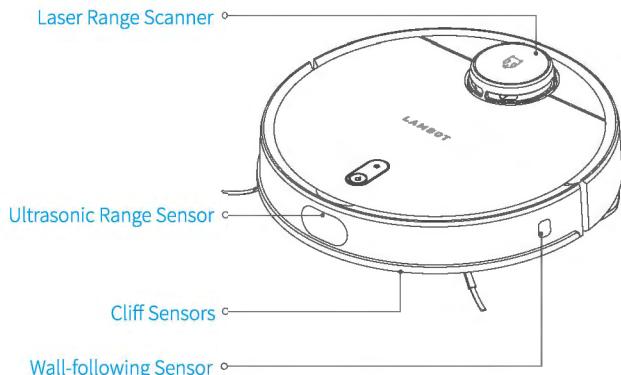
# Maintenance

## Sensors

Clean the dust and dirty stuff on the surface of all the sensors with a dry and soft cloth.

### Sensors:

- 1.Wall-following Sensor
- 2.Ultrasonic Range Sensor
- 3.Cliff Sensors
- 4.Laser Range Scanner

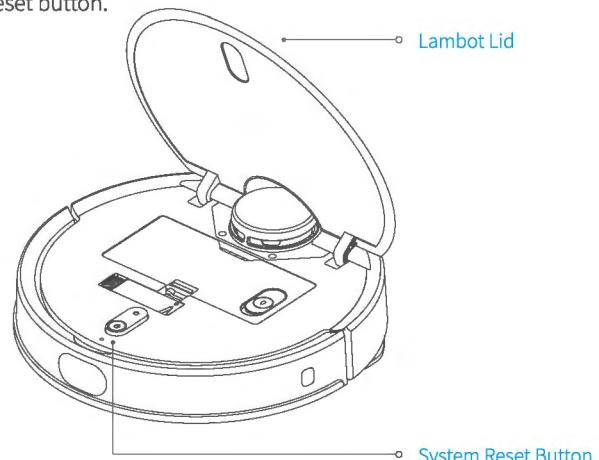


## Firmware Upgrade

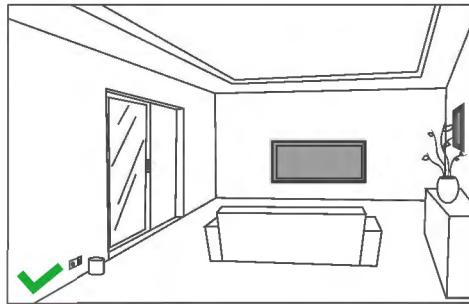
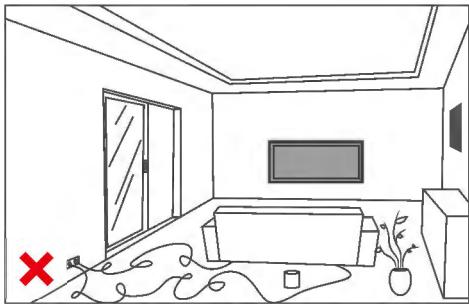
In the Lambot mobile application, go to the device setting page and you can check the latest firmware update and update it as you like. Please keep Lambot been charged and the battery is not lower than 60% when you are updating the firmware for it. Please refer to the update instruction in the Lambot mobile application for details.

## Reset System

If you cannot get any responses when pressing the buttons on Lambot, you can reset the whole system by force via the system reset button.

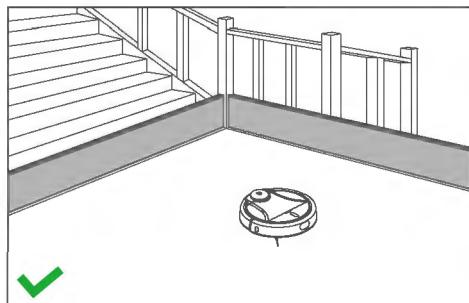
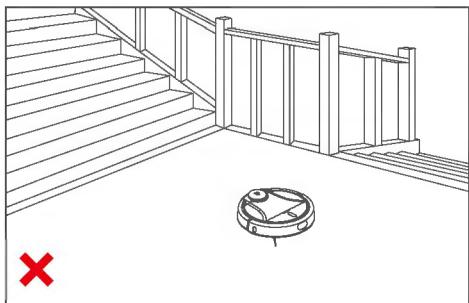


## I Tips



\*Before running the robot, please pick up the small objects and power cables or any other stuff which may affect the performance of Lambot.

\*Before running the robot, please make sure all fragile, unsteady, valuable or dangerous objects are taken in well, or it may cause bodily injury and property damage.



\*If there is stairs or holes in the working environment of Lambot, please use physical barriers to protect Lambot from falling, or it may cause bodily injury and property damage.

\*Please make sure that the aged, the pregnant woman, the kids or other people who need special care in the family are aware of the usage of Lambot so as to prevent any bodily injury and property damage caused by colliding, stumbling or other accident.

\*When you use Lambot for the first time, please observe the work of your Lambot and assist it in handling some little troubles: power cables on the ground, rugged area or the area where Lambot may get lifted or stuck. For the areas that may cause trouble, you can set the virtual walls around those areas in the Lambot mobile application to prevent it from moving into those areas during its future tasks.

# Specification

## Lambot

Item	Parameter
Dimensions	350 x 350 x 96mm
Battery Capacity	5200mAh
Weight	3.4kg
Wireless Connection	Wi-Fi, bluetooth
Rated Voltage	14.4V ---
Rated Power	50W

## Charging Station

Item	Parameter
Dimensions	208.6 x 118.3 x 58mm
Rated Voltage	30W
Rated Input	100-240V~ 50/60Hz
Rated Output	24V --- 1.5A
Rated Frequency	50/60Hz

# Hazardous Substance Report

Part Name	Hazardous Substances					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr(VI))	Polybromobiphenyl (PBB)	Polybromodiphenyl ethers (PBDE)
Circuit Board	○	○	○	○	○	○
Metal Parts	○	○	○	○	○	○
Housing	○	○	○	○	○	○
Battery	○	○	○	○	○	○
Other Parts	○	○	○	○	○	○

This table is compiled on the basis of SJ/T 11364 regulations.

○ indicates that the hazardous substance content in all homogeneous materials of this part is below the limit requirements specified in GB/T 26572

✗ indicates that the hazardous substance content in at least one kind of homogeneous materials of this part is exceeds the limit requirements specified in GB/T 26572.

# Troubleshooting

If your Lambot does not work as expected, its power button will light up with quick red flash. Please check the following table or follow the instructions in Lambot mobile application for solutions.

No.	Exception Message	Solution
1	Lidar error.	The Lidar gets stuck or obscured. Please remove the obstacles, put Lambot back on the charging station and relaunch it.
2	Impact sensor error.	The impact sensor gets stuck. Please pat the impact bar several times to recover its position. Move Lambot to a different place and relaunch it.
3	Wall-following sensor error.	Please clean the surface of the wall-following sensor to ensure there is no dust or dirty stuff on it.
4	Lambot is lifted up.	Please make sure the ground is level and remove the obstacles that lift Lambot. If the error still exists, please clean the cliff sensors in the bottom of Lambot.
5	Cliff sensor error.	Please clean the cliff sensors in the bottom of Lambot.
6	Dust bin error.	Please clean the dust bin and make sure that it is installed properly.
7	Side brush error.	Please take the side brushes down, clean the tangled stuff on them and then reinstall them properly.
8	Main brush error.	Please take the main brush down, clean the tangled stuff on it and then reinstall it properly.
9	Wheel error.	Please check whether the wheels get stuck by some stuff. Please remove the stuff and then relaunch Lambot.
10	Lambot is getting stuck.	Please clean the obstacles that hindered Lambot, move Lambot to a different place and relaunch it.
11	Low battery.	Lambot gets low battery. Please take it back to the charging station to fully recharge itself.
12	Battery error.	Lambot cannot work properly due to extreme battery temperature. Please retry after the battery temperature recovers to normal.
13	Vacuum fan error.	The vacuum fan cannot work properly. Please clean the dust bin and the filter, and then relaunch Lambot.
14	WiFi connection fail.	Please check whether the WiFi user name and password are correct, and make sure SSID is working in 2.4G mode. Take Lambot and smart phone close to the Router when setting the network.

# Troubleshooting

No.	Exception Message	Solution
15	Localization lost	Lambot will try to relocalize itself. If Lambot fails to relocalize itself, it will clear the map and the virtual walls . Please rebuild the map and add the virtual walls again.
16	Map loading fail	Lambot will automatically load the previous map during its launching process. If Lambot fails to load the map, it will clear the map and the virtual walls. Please rebuild the map and add the virtual walls again.
17	Charging station not powered on	Please make sure that the power cable of the charging station is connected properly.
18	Lambot cannot find way home	Please make sure that there are enough open space around the charging station. You can manually take Lambot back to the charging station to recharge itself.
19	Need to replace filter.	Please clean and replace the filter regularly.
20	System error.	Please reset Lambot.

\* For part of exceptions, you can relaunch Lambot, reset its WiFi and rebind it with your Lambot mobile application

Please feel free to contact Lambot if you have any unsolved problems:  
Technical Support Email: [support@lambot.ai](mailto:support@lambot.ai)

# FAQ

Question	Solution
Unable to launch.	1. Lambot gets low battery. Please fully charge it before using. 2. Extreme battery temperature. Please use Lambot within the temperature range of 0°C-40°C.
Unable to charge.	1. Charging station is not powered on. Please make sure that the power cable is connected properly. 2. Charging electrodes are in poor contact. Please clean the electrodes on Lambot and the charging station.
Unable to go back to the charging station.	Please make sure that there are enough space around the charging station and its recognition zone is clean. You need to put Lambot on the charging station before operating it, or it cannot go back to the charging station.
Unable to discover Lambot via mobile application.	Please reset the WiFi of Lambot. Enable the Bluetooth on your smart phone and keep it close to Lambot.
Unable to bind Lambot with mobile application.	Please make sure the charging station and Lambot are in an area with consistent and strong WiFi coverage, and then reset the WiFi of Lambot and rebind it with your smart phone.
Lambot is always offline.	Please make sure that the network is set properly and Lambot keeps in the area of consistent WiFi coverage.
There is abnormal noise during sweeping.	Please remove the tangled stuff on the main brush, side brush and wheels and clean the bottom of Lambot and its Impact bar.
Lambot moves slowly.	Please clean the ultrasonic sensor mesh cover in the middle of the impact bar and make sure the mesh holes are clean and free from any blocks.
Decline in the ability to sweep.	Please empty the dust bin and clean the main brush and the filter. Replace the filter if it is blocked.
Unable to start scheduled task.	Scheduled task will not start if Lambot gets low battery. Please fully charge Lambot before use it. Scheduled task will not be synchronized between your smart phone and Lambot if Lambot is disconnected from network. Please keep Lambot online.
Is it required to power off the charging station after fully charging Lambot?	Lambot consumes a small amount of power during its stand-by time. Therefore, to keep Lambot running at peak performance, you can always keep it charged on the charging station to ensure it is ready for its next sweeping task. While during storage for long term, Lambot should be powered off and the charging station should be disconnected from power.
Is it required to charge Lambot for 24 hours for the first time to use it?	Lambot has a high-performance Lithium Ion battery pack installed. The battery is free from memory effect, so you don't need to wait for 24 hours to fully charge it for the first time you use it.
Is the laser lights emitted from Lidar harmful to human body?	Lambot adopts the advanced and safe laser range scanner (Lidar). It reaches Class I laser safety standard, which ensures its safety to human and pet.

# Warranty

According to the Law of the People's Republic of China on the Protection of the Rights and Interests of Consumers and the Product Quality Law of the People's Republic of China, Lambot vacuum robot provides repair, replacement and return services in its after-sales service.

The service covers the following items:

## Warranty Period

1. Within 7 days from the date of the original retail purchase of the product, if the product has the performance issue listed in Lambot Vacuum Robot Performance Issue List and the issue is verified by Lambot after-sales service center, we will provide product return or replacement service for free;
2. Within 8-15 days from the date of the original retail purchase of the product, if the product has the performance issue listed in Lambot Vacuum Robot Performance Issue List and the issue is verified by Lambot after-sales service center, we will provide product replacement or repairing service for free;
3. Within 12 months from the date of the original retail purchase of the product, if the product has the performance issue listed in Lambot Vacuum Robot Performance Issue List and the issue is verified by Lambot after-sales service center, we will provide product repairing service for free;

\*Notice: to ensure the product safety during transportation, we suggest you keep the packing box at least 30 days from the date of the original retail purchase of the product.

## Warranty Content

Type	Warranty Content	Warranty Period
Lambot	Lambot(with installed Lithium Ion battery pack)	1 year
Accessories	Charging station; charging cable	1 year
Consumables	Main brush; side brush; main brush frame; filter; cleaning brush	/

## What Is Not Covered

1. Defects and damage resulting from unauthorized maintenance, misuse, collision, negligence, abuse, liquid getting in, accident, modification, improper operation or usage of third-party parts on this product; defects and damage of products on which the seal or anti-fake label has been removed or modified;
2. Defects and damage out of the warranty period;
3. Defects and damage resulting from force majeure;

# Warranty

4. Performance issue not listed in the Lambot Vacuum Robot Performance Issue List;
5. Performance issue of Lambot and its parts listed in the Lambot Vacuum Robot Performance Issue List but resulting from human-made causes.

## Warranty Card

User Name	
Address	
Phone Number	
Product Name and Model Number	
Serial Number	
Purchase Date	

## Maintenance Record

	Date	Problem Description & Parts Replacement	Maintenance Center	Maintenance Engineer
1				
2				
3				

Our Customer Service Email: support@lambot.ai