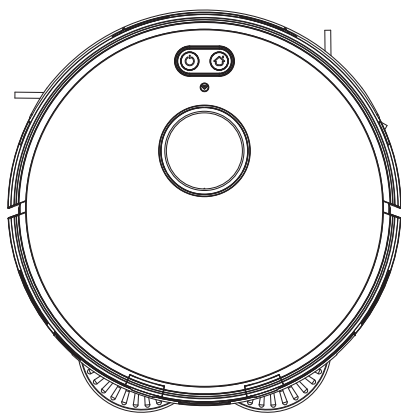




Robotic vacuum cleaner

Instructi

(Note: Please read this manual carefully before use to avoid danger or damage to the product due to improper operation)

catalogue

1. WIFI settings instructions

2. Safety statement

3. Product composition

- 3.1 Part name
- 3.2 Product parameter
- 3.3 Product characteristics

4. Instructions for use

- 4.1 Matters needing attention
- 4.2 Operation guide

5. Product maintenance

- 5.1 Brush cleaning and replacement
- 5.2 Lift tank maintenance
- 5.3 Base station maintenance
- 5.4 Maintenance of rolling brush components
- 5.5 Maintenance of other components
- 5.6 Maintenance of other components

6. Common faults

- 6.1 Fault description
- 6.2 Replaceable modules

WIFI settings instructions

Scan the QR code in Figure 1 to download and install the "LIBOS HOME" APP, or search for "LIBOS HOME" in the App Store and Android application stores - download and install.



Figure1

Open the "LIBOS HOME" App to log in. There are three ways to log in: verification code login, third-party account login, and password login.

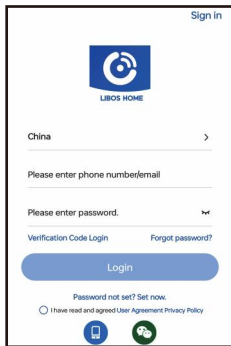


Figure2

After logging in, click the "+" in the upper right corner of Figure 3 to add a device. On the Add Device page, select "Laser Sweeper" (as shown in Figure 4). You can then select the network configuration method for the machine through the options in the upper right corner (Figure 6). For machines with Bluetooth function, you can select Bluetooth network configuration for quick network configuration. Press and hold the machine cleaning button to turn on the machine. After waiting for the power-on voice broadcast to finish, press and hold the recharge button (refer to the product composition for specific button information) until the wifi light flashes and the corresponding voice is heard, so that the machine enters the network configuration mode.

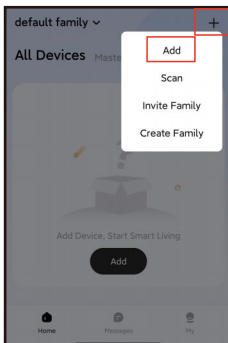


Figure3

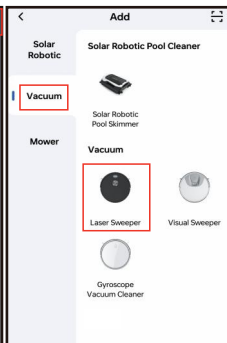


Figure4

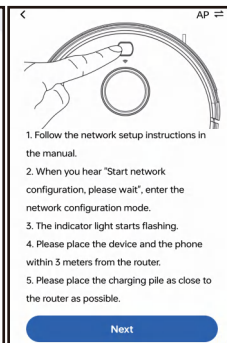


Figure5

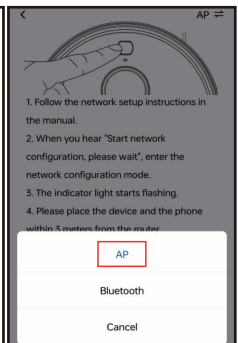


Figure6

In order to improve the product, we reserve the right to update the APP and software.

WIFI settings instructions

After selecting the network configuration method, click Next and the page in Figure 7 will be displayed. At this time, you need to select the robot's working Wi-Fi (only 2.4Ghz Wi-Fi is supported, and the Wi-Fi name does not support Chinese characters and full-width symbols), and enter the corresponding Wi-Fi password. Click Next to jump to the Wi-Fi interface. Click the Wi-Fi you need to connect to. The Wi-Fi name format is "Robot##Libos-xxx" or "Robot###xxx-xxx" (Figure 8). If you return to the app without connecting to the corresponding Wi-Fi, the phenomenon in Figure 9 will be displayed. At this time, click Manual Connection to return to the Wi-Fi interface. If you return to the app without connecting to Wi-Fi for a long time, it will display Binding Failure as shown in Figure 10, and you need to re-perform the network configuration operation.

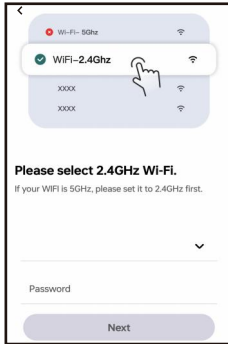


Figure7

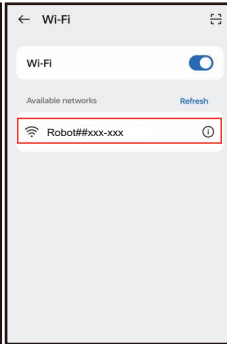


Figure8

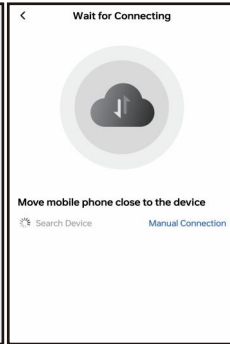


Figure9



After connecting to the specified wifi, return to the app and wait for the device to connect successfully, as shown in Figure 11. After the connection is successful, the interface in Figure 12 will be displayed. Click Finish to return to the home page. At this time, you can see the corresponding device, as shown in Figure 13

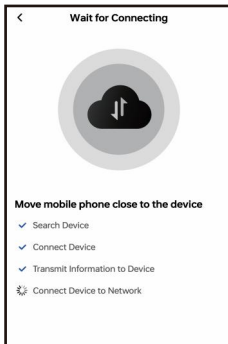


Figure11

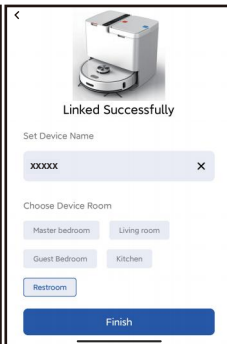


Figure12

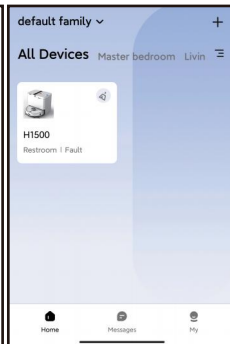


Figure13

Note: When selecting Bluetooth network configuration, you can enter the wifi name and password that the machine needs to connect to (as shown in Figure 7). After clicking Next, the machine will automatically connect to the device and complete the network configuration operation. The app interface will enter the waiting interface as shown in Figure 11. The above operations belong to the Android system. The interface display of the iOS app will be slightly different, but it is similar to the above process.

Safety Instructions

Before using this product, please read the following safety instructions and follow all general safety precautions

Please read this manual carefully Please keep this manual

Any operation inconsistent with this manual may cause damage to the product

IMPORTANT SAFETY INSTRUCTIONS

precautions related to the host and accessories

When using an electrical appliance, basic precautions should always be followed, including the following:

READ ALL INSTRUCTIONS BEFORE USING (THIS APPLIANCE)

WARNING – To reduce the risk of fire, electric shock, or injury:

1. Do not leave appliance when plugged in. Unplug from outlet when not in use and before servicing.
2. Do not use outdoors or on wet surfaces
3. Do not allow to be used as a toy. Close attention is necessary when used by or near children.
4. Use only as described in this manual. Use only manufacturer's recommended attachments.
5. Do not use with damaged cord or plug. If appliance is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to a service center.
6. Do not pull or carry by cord, use cord as a handle, close a door on cord, or pull cord around sharp edges or corners. Do not run appliance over cord. Keep cord away from heated surfaces.
7. Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
8. Do not handle plug or appliance with wet hands.
9. 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.
10. Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
11. Turn off all controls before unplugging.
12. Use extra care when cleaning on stairs.
13. Do not use to pick up flammable or combustible liquids, such as gasoline, or use in areas where they may be present.
14. To reduce the risk of electric shock, this appliance has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

SAVE THESE INSTRUCTIONS

Safety Instructions

warn

01. Do not disassemble, repair or modify the machine by yourself, otherwise the product will be damaged and danger will occur.
02. Do not use this product in an environment that may cause fire or explosion.
03. This product can only use the original power cord, otherwise it may cause damage to the product and cause a fire.
04. It is forbidden to stand or sit on this product, otherwise it may cause product damage or fall.
05. When dust is attached to the metal part of the power plug, be sure to wipe it off with a dry cloth.
06. The base station uses (USA 120V) (EU 230~240V) AC voltage, please insert the plug into the socket correctly to avoid children touching it.
07. It is forbidden to wash and soak the host and electronic components, otherwise it will cause short circuit damage.
08. Do not damage the processing power cord, do not press heavy objects on the power cord, heat the power cord or pull and bend the power cord.
09. When the product is running and cleaning, please pay attention to the safety of young children and elders to avoid the danger of tripping. Please do not touch the wheels and side brushes with your hands to avoid being entangled and causing injury. (Please pay special attention to young children)
10. This product is an indoor household product, please do not use it outdoors.
11. It is forbidden to touch the battery contacts with metal and conductive substances, otherwise it will cause a short circuit.

Notice

01. Do not touch with wet hands, otherwise it may cause electric shock.
02. Do not place this product in a place where it is easy to fall, such as a high platform in a room with tables and chairs.
03. This product is a precision electronic device, so avoid prolonged exposure to sunlight.
04. Do not use this product in a humid environment, such as a bathroom.
05. Do not put this product near cigarette butts, lighters and other open flames.
06. Please clean the product after charging.
07. When not using this product for a long time and fully charged, press and hold the power button to turn off the sweeping machine.
08. Please carefully check whether the power is connected to the socket before use, otherwise, it will result in the machine being unable to charge.
09. Laser standard: IEC-60825; class: class 1; wavelength: 930-950nm, laser radiation function: 120nJ.
10. The display method of the product model approval code is reflected on the nameplate.
11. Before using this product, please remove all vulnerable items on the ground, such as glasses, lamps, and items that may entangle the side brushes and suction channels, such as wires and curtains.

Safety Instructions

12. When the trash box is full, please empty the trash before using the machine.
13. Do not use the machine to clean construction waste.
14. The operating temperature range of this product is 5 degrees Celsius to 40 degrees Celsius, please do not use it in a high or low temperature environment.
(Battery storage temperature: -20~50 ℃)
15. Before discarding this product, please remove the battery from the machine. When removing the battery, please ensure that the product is not connected to the power supply. Please recycle the waste battery in a safe and environmentally friendly manner.
16. This equipment is only for use by normal people over 8 years old. Users are not allowed to use and maintain the equipment if they do not fully understand the safe use of equipment, or lack physical, sensory, and mental capabilities.

Safety Precautions for Rechargeable Batteries

Danger

01. Be sure to use a dedicated battery adapter, otherwise it will cause leakage, heating or rupture.
02. Do not short-circuit or disassemble the battery, otherwise it will cause leakage, heating or rupture.
03. Do not transport or store together with metal objects such as necklaces and hairpins, otherwise it will cause a short circuit and cause leakage, heat or rupture.
04. Do not throw the battery into fire or heat the battery, otherwise it will cause leakage, heating or rupture.

Notice

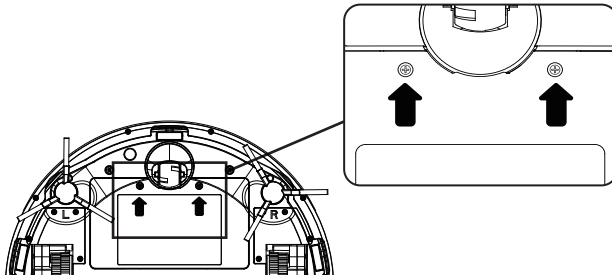
01. If abnormal overheating is found during charging, please stop using it immediately, otherwise it will cause leakage, heating or rupture.
02. In order to prolong the service life of the battery, please pull out the battery when not in use for a long time, and place it in a cool and dry environment, otherwise it will cause leakage, heating or rupture.
03. Do not immerse in water or come into contact with liquid, otherwise the leaking liquid will heat up or burst.
04. Be sure to stop using it when abnormality occurs (such as discoloration or deformation), otherwise it will cause leakage, heating or rupture.
05. Be sure to use tape or the like to insulate the electrode part when recycling or disposing of the product.
06. If the battery leaks, please wipe it clean with a dry cloth, recycle it in time, or discard it.
07. Put the recycled batteries in battery recycling bins or harmful trash cans set up in communities, hotels, schools, shopping malls, supermarkets, etc., and collect them by professional recycling agencies. Discarded product battery, product battery must be removed and discarded in accordance with local laws and regulations

Safety Instructions

warn

01. If the battery leakage touches the skin or clothes, it must be washed immediately with clean water. If it is ignored, it will cause skin inflammation and other problems.
02. Do not use the rechargeable battery of this product on other devices. This battery is only suitable for intelligent sweeping robots.
03. When the battery case is found to be deformed and swelled and the electrolyte flows out, it is forbidden to charge or continue to use to avoid danger.
04. Do not hit or throw the battery strongly, otherwise it will cause leakage, heating or rupture.
05. It is forbidden to disassemble the battery pack, otherwise it will cause the battery pack to rupture and the electrolyte to flow out, causing fire and explosion hazards.

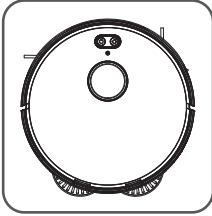
How to remove the battery



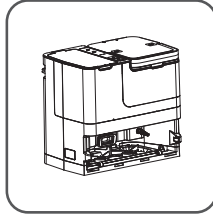
01. Use a screwdriver to remove the two screws on the battery cover.
02. Remove the battery cover.
03. Remove the battery, unplug the wires, and remove the battery.

Product composition

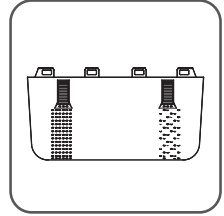
3.1 Part name



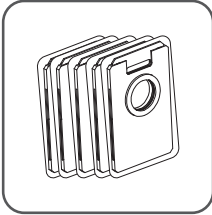
the host



Charging base station



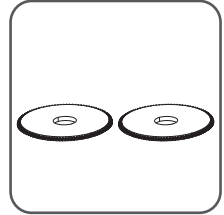
Tray guide bracket



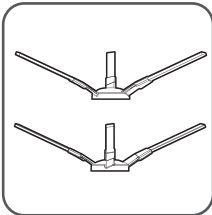
Dust bag



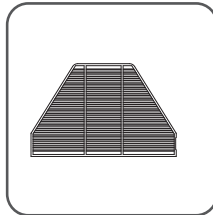
Base station cleaning tool



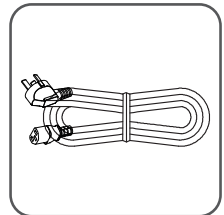
mop



Side brush



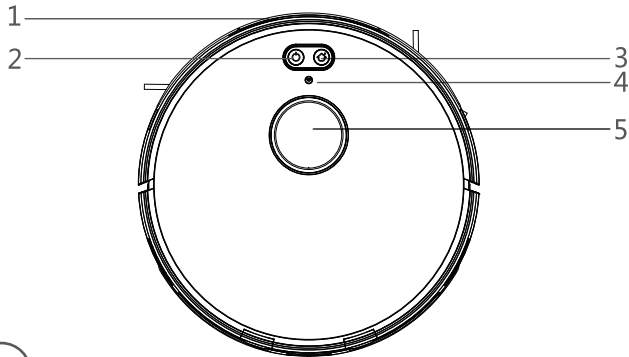
Screen haipa



Power cord

The accessories are slightly different. Please refer to the actual product received.

Product composition

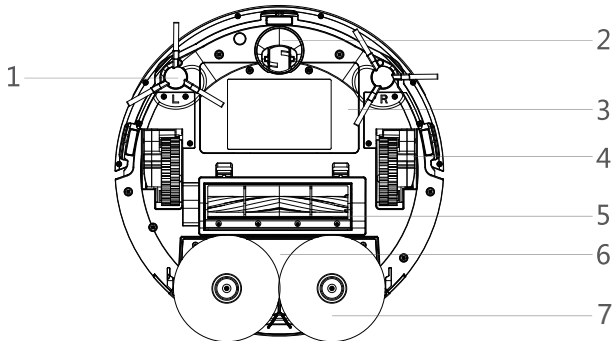


Main Body

1.Bumper
4.WIFI indicator

2.Clean button
5.Laser components

3.Recharge button



Main Body

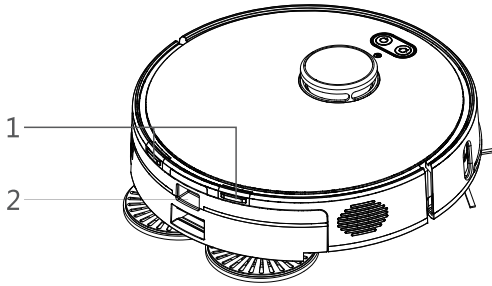
1.Side brush
5.Roller brush assembly

2.universal wheel
6.Lifting water tank

3.battery cover
7.mop

4.Edge wheel

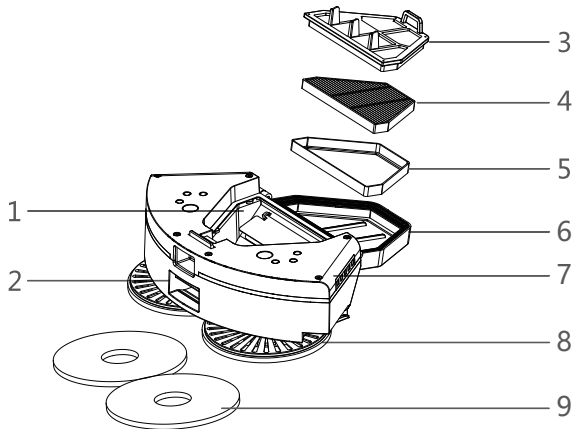
Product composition



Main Body

1.Charging pole piece

2.Lifting water tank release key



Lifting water tank assembly

1.Dust collecting box

4.Filter haipa

7.Water storage tank

2.Dust box suction port

5.HEPA silicone sealant

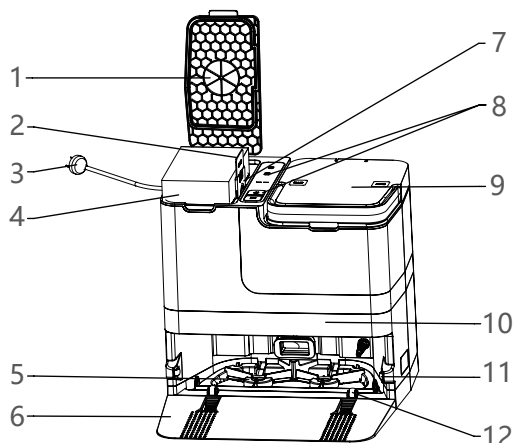
8.Mop bracket

3.Filter cover

6.Dust box cover

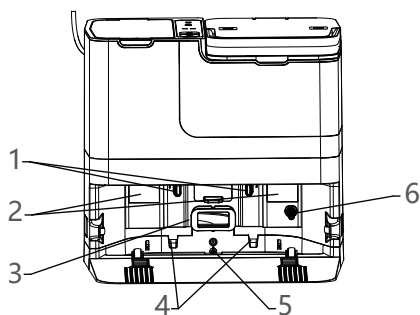
9.mop

Product composition



base station

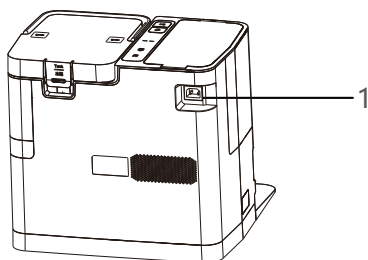
- | | | |
|-----------------------------|-----------------------------|----------------------------------|
| 1.Dust collecting bin cover | 2.Dust bag handle | 3.Power cord |
| 4.Dust bag | 5.Mop cleaning bracket | 6.Tray guide bracket |
| 7.Dust bag guide plate | 8.Keys and indicators | 9.Cleaning two-in-one water tank |
| 10.fuselage | 11.Base station guide wheel | 12.Main engine support wheel |



base station

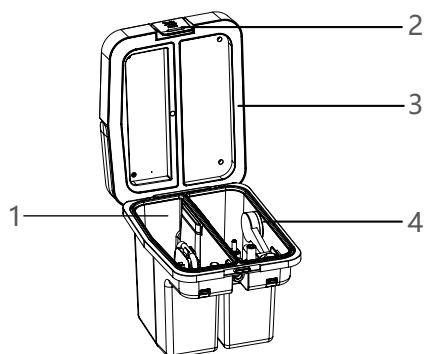
- | | | |
|-----------------------|--------------------------|--------------------------|
| 1.Charging pole piece | 2.Radar reflective paper | 3.duster |
| 4.Hot air drying port | 5.Sewage suction port | 6.Water injection nozzle |

Product composition



base station

1.Power line interface



Water tank assembly

1.Clear water tank

2.Tank buckle position

3.tank lid

4.Sewage tank

product composition

3.2 Product parameter

Product parameter		
Structural class	Main Body Diameter	330mm
	Main Body Thickness	100mm
	Net weight of sweeper	3.95kg
	base station size	416*385*347mm
	Net weight of the base station	7.5kg
Electronics	Main Body voltage	14.4V
	Main Body battery capacity	5100mAh
	Main Body button type	Physical button
	Base station button type	Physical button
	Hardware version	V1.1
Accessories	Main Body water tank capacity	140ml
	Main Body dust box capacity	200ml
	Main Body cloth (polyester cotton)	150*38*7mm
	Base station clean water tank capacity	1600ml
	Base station sewage tank capacity	1400ml
	Base station dust bag capacity	2500ml
Operating parameters	Main Body charging type	Manual / Auto
	cleaning time	Approx.180min
	charging time	360min
	Base station rated input	USA 120V~60Hz EU 230-240V~50/60Hz
	Base station rated output	19V === 1A
	Software version	20561104

The software and hardware versions will be upgraded based on the optimization of the functions of the randomizer without affecting product certification. Please refer to the actual product version.

product composition

Robotic vacuum cleaner		
	Frequency Range(MHz)	Max Power (dBm)
WIFI module(FCS940R)	2400~2483.5	18.5
BT- (FCS940R)	2400~2483.5	7.0

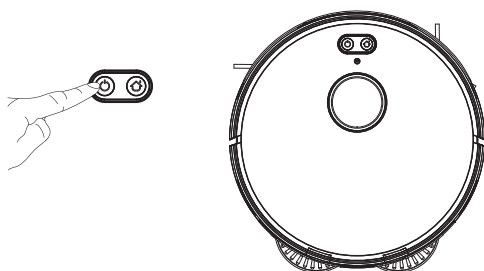
Charging base station		
	Frequency Range(MHz)	Max Power (dBm)
WIFI module (ESP-WROOM-02D)	2412-2462	17.88

Product composition

3.3Product characteristics

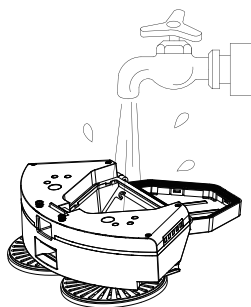
Intelligent cleaning regulation

According to different cleaning modes, this product can adjust the cleaning mode through APP, which greatly improves the cleaning efficiency and saves 30% electricity.



humanization design

Simple operation, easy to use, long press the power button to start the machine, just press the "control" button gently, you can control the machine! Follow the prompt and let the machine start working for you!

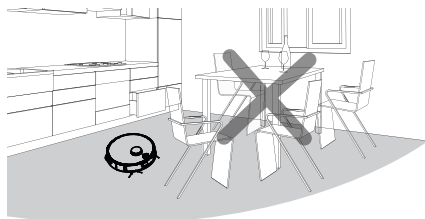


Garbage boxes can be washed with water.

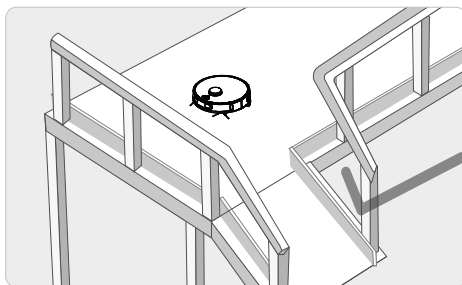
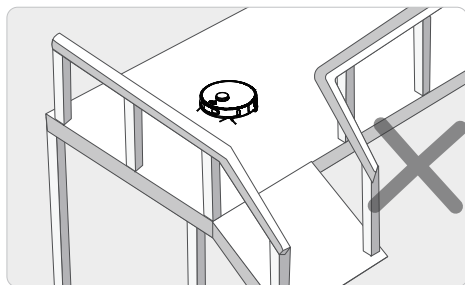
Both the garbage box and the primary filter screen can be directly washed with water, without spending too much labor, and washing the garbage box with water can avoid dust flying. !

Instructions for use

4.1 Matters needing attention



When it is working, please help to remove the unfriendly obstacles. Put the furniture and home appliances such as tables and chairs in the house neatly, the robot will clean up smoothly to give you a clean new home.



If the robot works at the stairway, the edge of the step, or the entrance to the narrow area among the furniture, slope etc, please place a fence to ensure it is safe and running smoothly.