EZVIZ

RE5

Robot Vacuum Cleaner



SAFETY WARNING

PRODUCT SAFETY PRECAUTIONS



Before using this product, please read all the contents of this user manual carefully, install the device accordingly and save this manual for future reference properly. To lower the risk of fire, electric shock or other injuries, please observe the following operation requirements:

• This appliance is not intended for use by people (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.

• For European, this appliance can be used by children aged from 8 years and above and people with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Cleaning and user maintenance shall not be made by children without supervision. Children should not play with the appliance.

• Please don't suction high-temperature substances (unextinguished cigarette butts, matches, hot ashes and etc.), superfine substances (like lime, cement, sawdust, gesso, ashes and toner), large sharp fragments (not physically definite matters like glass).

• No action needed to shift the product between 50 and 60Hz, product can adapt itself for both 50 and 60Hz.

• If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

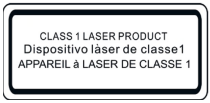
• When charging, please use the Charging Base CS-RE5-CB offered by EZVIZ.

• WARNING: To Reduce The Risk Of Electric Shock - Do not use outdoors or on wet surfaces, commercial or industrial environments.

• WARNING: To Reduce The Risk Of Electric Shock - Use indoors only.

• WARNING: To Reduce The Risk Of Electric Shock – Unplug Before

Servicing.



• Do not look directly at the optical interface when the device is working.

• Class 1 laser, output 1.5mW, wavelength 760nm~810nm, IEC 60825-1:2014.

• This product contains a laser with a laser class 1, which is safe under reasonably foreseeable circumstances.

• CAUTION: Changing the function or performance of the optical module arbitrarily without complying with the provisions of this manual may lead to the danger of laser radiation.

• The Charging Base can only charge lithium-ion batteries containing no more than 4 cells with a rated capacity of no more than 4930mAh.

• The Charging Base can not be charged to non-rechargeable batteries.

PROPER USE OF THE DEVICE

- The device is only used for cleaning the floor of the home environment, and should not be used in outdoor environment (such as open balconies), non-ground environment (such as stairs), and industrial environment.
- Don’t use the device in suspended environment (such as duplexes, open balconies and the top of furniture) without protective facilities.
- Children are not allowed to use the device as a toy. Please keep children and pets away from the device when using it. Don’t put accessories such as side brush in the place where children can reach, so as to prevent children from eating by mistake. Don’t place children and pets on the device body.
- Don’t use the device in an environment with open fire or fragile objects.
- Don’t use the device on waterlogged floors or wet ground.
- Don’t use the device in an environment higher than 40°C or lower than 0°C.

- Don’t use the device to clean any flammable materials (such as gasoline, toner). Don’t use the device in the area with flammable materials.
- Don’t use the device to clean burning items, such as matches, cigarettes and other items that may cause fire.
- Don’t use the product to absorb large stones, waste paper and other items that may block the product. When the suction port is blocked, please clean the product in time and remove the dust, cotton, hair, etc. at the suction port.
- Use only the accessories recommended or sold by the manufacturer. Don’t use the batteries or docking station of any third party, and don’t use damaged batteries or docking station.
- Dispose of used batteries in accordance with local laws and regulations.
- Don’t burn the device under any circumstances, as the battery may cause explosion.
- After the RGB camera is contaminated with dust during use, it is recommended to use the air blower to clean the camera, or use a paper towel and soft dry cloth to wipe and clean, don’t use rough or hard materials, so as to avoid scratches on the glass surface of the vision module.
- If the rear surface of the robot is too dusty, it will affect the recharging of the robot. It is recommended to clean it regularly or as needed. It is also recommended to use a paper towel or soft dry cloth to clean it.
- If the surface of the edge sensor on the side of the robot is contaminated with lots of dust, it will affect the posture and mapping positioning effect of the robot when walking along the wall. It is recommended to clean it regularly or as needed. Since the sensor is located inside the body, it is recommended to use the air blowing tool/ paper towel/soft dry cloth for cleaning the camera to wipe the sensor. Don’t put your fingers into it for cleaning.
- The bottom of the robot is easy to be contaminated with lots of dust, so it is recommended to clean it regularly or as needed.
- Please use the device according to the instructions in the manual. Any loss and injury caused by improper use shall be borne by the user.
- Please don’t touch the plug or any electrified part of the product with

your wet hands in case of electric shock hazard.

- If you will not use the product for a long time, please turn off the power and unplug the charging plug.

Regulatory Information

This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the Radio Equipment Directive 2014/53/EU, the EMC Directive 2014/30/EU, the RoHS Directive 2011/65/EU, the ErP Directive 2009/125/EC, the LVD Directive 2014/35/EU.

2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see:www.recyclethis.info

2006/66/EC and its amendment 2013/56/EU (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see:
www.recyclethis.info

DECLARATION OF CONFORMITY

Hereby, Hangzhou EZVIZ Software Co., Ltd. declares that the radio equipment type [CS-RE5-TWT2] is in compliance with EU Directive 2014/53/EU and UK Radio Equipment Regulations 2017. The full text of the EU and UK declaration of conformity is available at the following web link: https://www.ezviz.com/page/declaration-of-conformity.

EXPOSURE TO RADIOFREQUENCY RF

The frequency bands and the nominal limits of transmitted power (radiated and/or conducted) applicable to this radio device are the following:

Band	Wi-Fi 2.4 GHz
Frequency	From 2.412 GHz to 2.472 GHz
Power transmission [EIRP]	≤100mW

Technical Parameters

⧈	Class II
⎓	Direct current
~	Alternating current
	For indoor use.
	Before charging, read the instructions.

Robot

Model	CS-RE5-TWT2
Overall Dimension	345x345x95mm
Battery Capacity	4,930 mAh
Weight	Approx. 3.09kg
Battery Rated Voltage	14.76V
Rated Input	24V ⎓ 1A MAX
Rated Power	45W

Charging Base

Model	CS-RE5-CB
Rated Input Voltage (Power Adapter)	100-240V~, 50/60Hz
Rated Output	24V ⎓ 1A MAX

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About this Manual

The Manual includes instructions for using and managing the product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version in the EZVIZ ™ website (http://www.ezviz.com).

Revision Record

New release – January 2023

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IN THE EVENT OF ANY CONFLICTS BETWEEN THE ABOVE AND THE APPLICABLE LAW, THE LATTER PREVAILS.

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Overview

Package Contents



Robot Vacuum Cleaner *1
(hereinafter referred as to “Robot”)



Charging Base*1



Side Brush *2
(One has pre-installed)



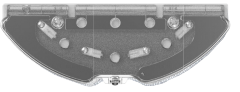
High-performance Filter *2
(One has pre-installed)



Power Adapter *1



Cleaning Tool *1



Mop Assemblly *1



Mop Cloth *1



Quick Start Guide *2



Regulatory Information *1

The device’s appearance is subject to the actual one you have bought.

Basis

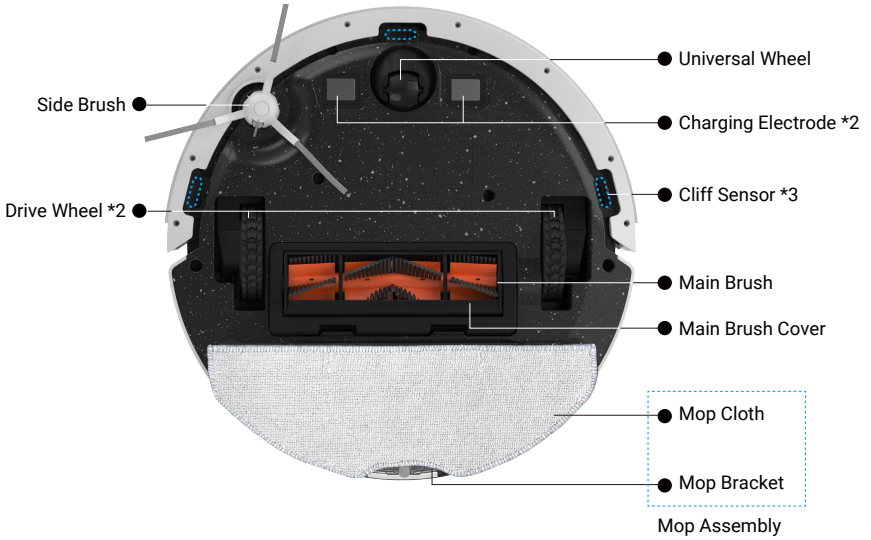
Robot

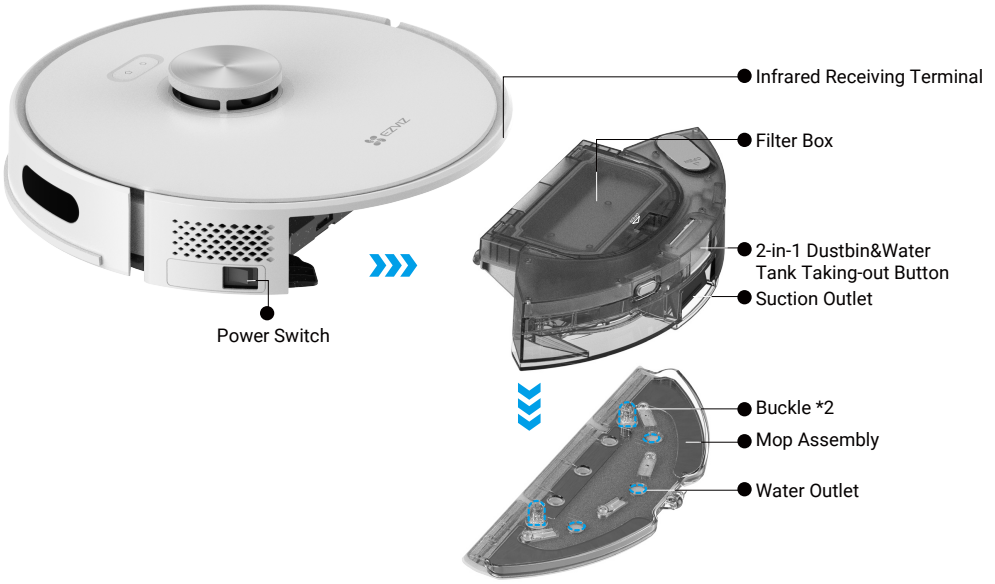


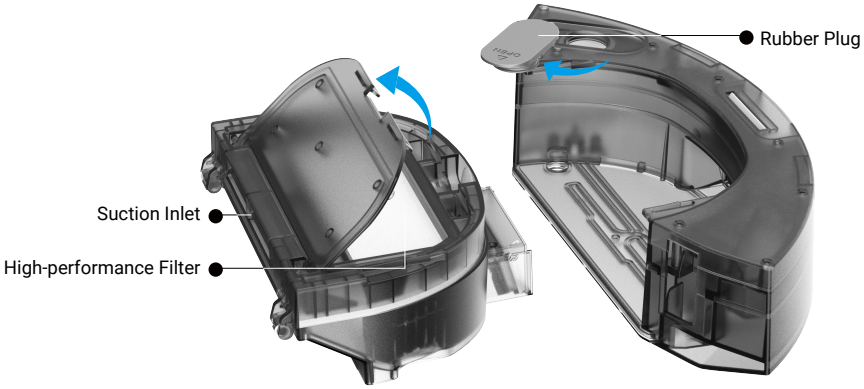
Power Switch
For the first use, please toggle the power switch from " O " to " I ".

Button		
⌂	Recharge Button	Press once: Back to charge
⏻	Clean/On-off Button	• Press once: Turn on the Robot /Start full-house cleaning (under standby mode) • Press twice: Start fixed-point cleaning • Press and hold for 4s:Turn off the Robot
⏻ + ⌂	Clean/On-off Button + Recharge Button	• Press and hold for 4s: network configuration mode • Press and hold for 15s: restore to factory settings

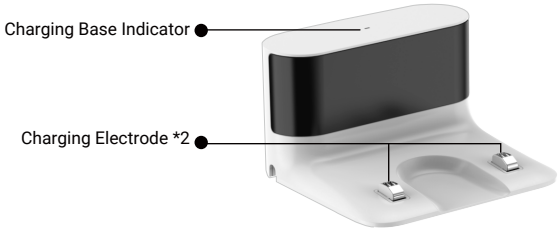
Power Indicator		
⏻ + ⌂	Power Indicator (on Clean/On-off Button & Recharge Button)	• White: battery level≥20% • Pink: battery level<20% • Red: fault or exceptions • Slow-flashes white: In charging


Universal Wheel
Side Brush
Charging Electrode *2
Drive Wheel *2
Cliff Sensor *3
Main Brush
Main Brush Cover
Mop Cloth
Mop Bracket
Mop Assembly


Infrared Receiving Terminal
Filter Box
2-in-1 Dustbin&Water Tank Taking-out Button
Suction Outlet
Power Switch
Buckle *2
Mop Assembly
Water Outlet



Charging Base



Name	Description	
Charging Base Indicator		On: Connected to a power supply
		Off: Charging for now

Quick Start Guide

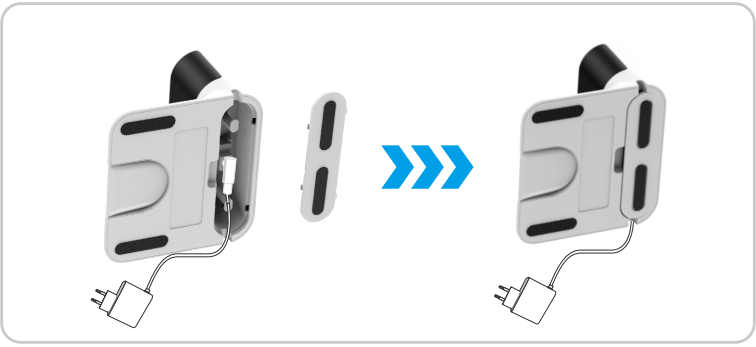
Preparation

Try to avoid using in the environment with stairs (if must, please set up a guardrail), and try to remove the obstacles on the ground before use.



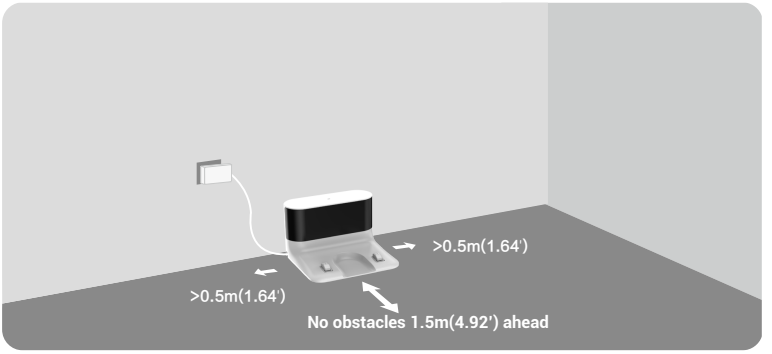
Install the Charging Base

Connect the supply cord into the power socket on the Charging Base. Please be careful to organize the supply cord.



Connect the Power Supply to the Charging Base

Install the Charging Base in a location that the Robot can easily access. It is recommended to place the Charging Base against a wall, and on a hard-level surface rather than on rugs or carpets.



- In order to avoid external heat damage to the Charging Base, please do not place it next to radiators, heaters, fireplaces, etc.
- Keep the Charging Base powered, or the Robot will not automatically returned.
- For a normal charging process, please do not place the Charging Base in environments subjected to direct sunlight, rain, snow or humidity.

Remove Shields

Before use, remove the shields on both sides of the Front Bumper and all protective films on both of the Robot and the Charging Base.



Charging

1. For the first use, please toggle the power switch to I to turn on the Robot.



2. Place the Robot on the Charging Base and align it with the Charging Electrodes. When the charging base indicator on the Charging Base goes out and the power indicator slow-flashes, charging will begin.



3. Automatic recharging: the Robot will automatically return for recharging after the cleaning task is completed, or you can do by following figure.



Short press ⌂ when pausing to begin automatic recharging.

- The Robot needs to be fully charged (approximately 5 hours) to ensure a normal operation.
- If the Robot is stucked or cannot find the Charging Base, please manually put the Robot back to the the Charging Base.
- When the Robot is being charged or idle, please remove the mop assembly.
- To avoid damaging your wood floor, please make sure to take out the mop assembly immediately after floor mopping is complete.
- When mopping is paused or finished, the Robot will automatically cut off water. However, the mop cloth remains wet and should not be left in place for too long but removed in time.

Add Clean Water

Take out the 2-in-1 dustbin & water tank.



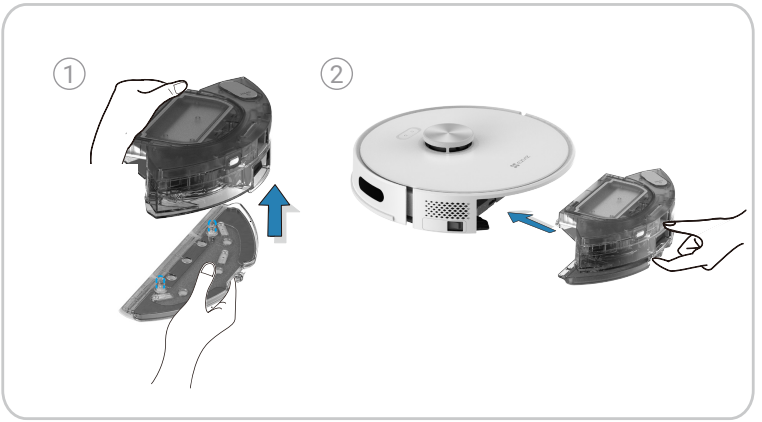
Open the rubber plug and add clean water to the water tank.

- Please do not add disinfecting water to avoid corrosion of Robot.
- Please wipe the charging contact on the 2-in-1 dustbin and water tank after water added.



Install Mop Assembly

1. Align the mop bracket with the point as shown in the figure and press them down. Hearing a “click” indicates that they are installed in place.
2. Put the 2-in-1 dustbin & water tank back into the Robot.



Get the EZVIZ App

EZVIZ App

Download on the App Store | GET IT ON Google Play

1. Connect your mobile phone to Wi-Fi (only 2.4 GHz WiFi is supported).
2. Download and install the EZVIZ App by searching for “EZVIZ” in the App Store or Google Play™.
3. Launch the App and register an EZVIZ user account.

If you have already used the App, please make sure that it is the latest version. To find out if an update is available, go to the App store or Google Play™ and search for “EZVIZ”.
The actual process may vary due to ongoing App updates. Follow the instructions provided in the App.

Add the Robot to EZVIZ App

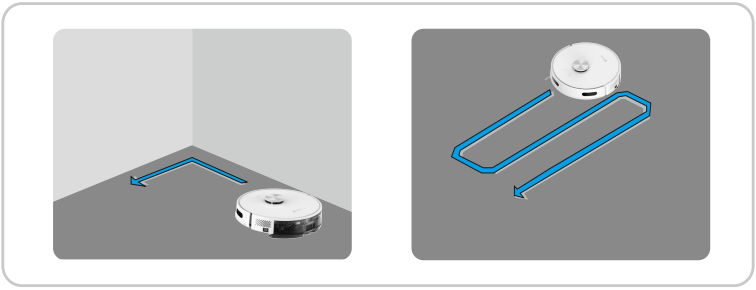
1. Log in to your account through EZVIZ App, tap the device adding icon and then the QR code scanning interface will be displayed.
2. Press and hold the ⏻ + ⌂ on the Robot for 4s until the Power indicator start flashing white and you will hear a voice prompt “start network configuration“.
3. Scan the QR code on the Robot body, and complete the network configuration and addition of the Robot according to the interface prompts.

- Before Wi-Fi connection, please ensure the following conditions:
  1. the Robot has enough power (over 20%) or docked to the Charging Base;
  2. The Robot does not support 5GHz Wi-Fi, please connect it with 2.4GHz Wi-Fi.
- If Wi-Fi connection failed, or you want to connect the robot to another Wi-Fi, you need to press and hold the ⏻ + ⌂ for 4s, and then the robot will be restarted and you can add the robot to EZIVZ App again.



Start Cleaning

Short press the ⏻ button to start the Full-house Cleaning Mode.
Recommended start the Full-house Cleaning Mode when the Robot is on the Charging Base. The Robot will leave the Charging Base to clean the area along the wall, and then clean in a zigzagging way.



- Do not turn off the power switch during cleaning, otherwise the data of the Robot cannot be saved.
- If the battery level is too low to start cleaning, please charge it first.
- Do not move the Charging Base during cleaning, and make sure that the Charging Base is powered on, otherwise the Robot may not be able to return for charging.
- Under Full-house Cleaning Mode, the Robot will clean twice by default if the cleaning area is less than 10 square meters.

Operations on the EZVIZ App

The App interface may be different due to version update, and the interface of the App you installed on your phone shall prevail.

Remote Control Cleaning
Manual remotely-controlled cleaning is available in EZVIZ App to make the Robot go to the area to be cleaned.

Map for Cleaning
Map editing (area dividing, area merging, area building, room naming, no-go area, invisible wall), map zoning, carpet display, real-time cleaning route display, and multi-map saving.

Cleaning Method
General cleaning, personalized cleaning, scheduled cleaning, designated room cleaning, and area cleaning.

Cleaning Settings
Suction setting, water volume setting, cleaning sequence setting, carpet boost.

Information Display
Cleaning history, Robot power, consumables and maintenance.

More Features
Firmware upgrade, volume adjustment, Do not disturb mode, etc.

Basic Operations

Power On/off

Before turn on/off the Robot, please remove it from the Charging Base.

Power on: Press the ⏻ button once on the operation panel.

Power off: When the Robot is not in the Charging Base, press and hold the ⏻ button for 4s on the operation panel.

- If the Robot fails to response, please togge the power switch from I to O to forcibly turn off it.
- If not in use for a long time, please toggle the power switch to O.
- If the power switch is in O position, the Robot will turn on automatically if placing it on the Charging Base, and will turn off when moving it from the Charging Base.



Pause Cleaning

Pressing ⏻ will pause the Robot while cleaning.
Pressing ⌂ will stop the Robot while cleaning, and pressing the button again, the Robot will start returning to the Charging Base.

Sleep

There are two ways for Robot to switch to Sleep Mode automatically:
- The Robot is inactive and the Charging Base is not connected for 10 minutes.
- There is no operation within 10 minutes after the Robot is fully charged.

Under the Sleep Mode, the Robot will enter a low energy-comsumption state.

System Resetting

In Standby Mode, press and hold the ⏻ + ⌂ button for 15s to reset the system.
After resetting the system, the Robot will restore to factory settings.

Under the Standby Mode, the Robot will stop the current task.

Routine Maintenance

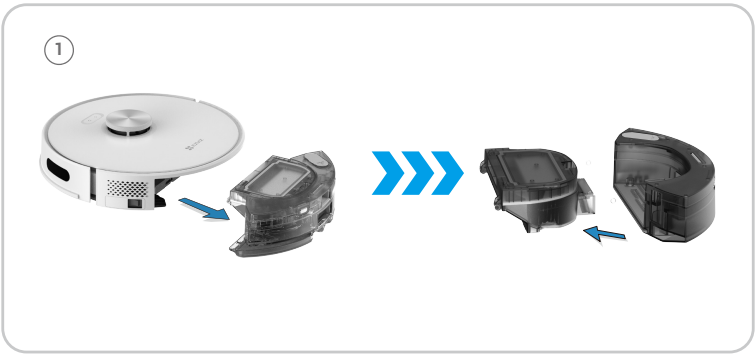
To maintain the best condition of the Robot, please maintain the Robot and replace parts with following frequencies:

Robot Part	Maintenance Frequency	Replacement Frequency
Side Brush	Once every 2 weeks	Every 6-12 months
Main Brush	Once per week	Every 6-12 months
High-performance Filter	Once per week	Every 3-6 months
Edge Sensor Recharge Sensor Cliff Sensor Infrared Receiving Terminal Front Bumper Charging Electrode Universal Wheel/Drive Wheel	Once per week	/
Mop Cloth	/	Every 3-6 months

- Before performing cleaning and maintenance tasks on the Robot, turn the Robot OFF and unplug the supply cord.
- A multi-function Cleaning Tool is provided for easy maintenance.Handle with care, this Cleaning Tool has sharp edges.
- EZVIZ manufactures various replacement parts and fittings. Please visit www.ezviz.com for more information on replacement parts.
- Accessories are considered consumables and regular maintenance and replacement are recommended. Due to their wear characteristics, they are not subject to the standard product warranty period.

Dump the Dustbin

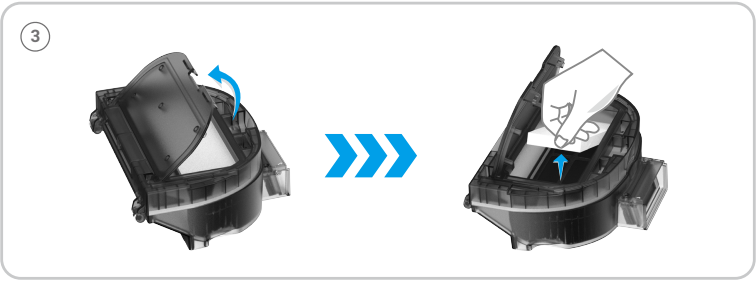
Take the 2-in-1 dustbin & water tank out, and then take the dustbin out.



Open the top cover of the dustbin and pour out the garbage.

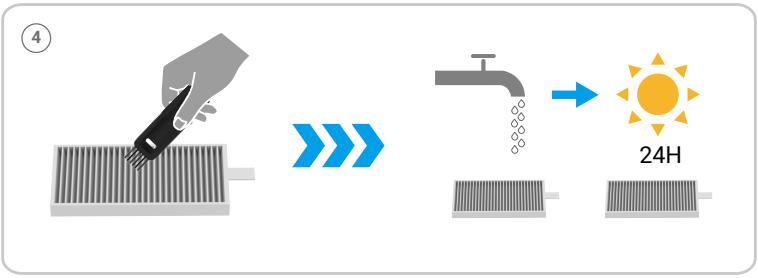


Remove the Filter out of the dustbin.

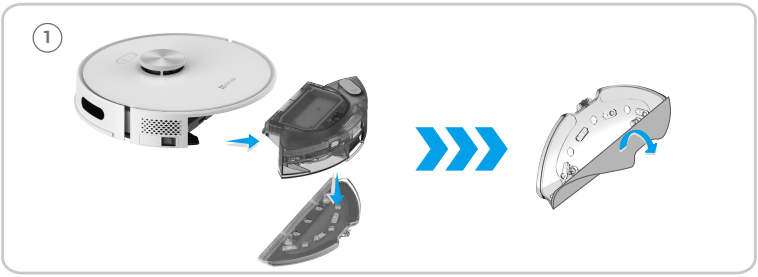


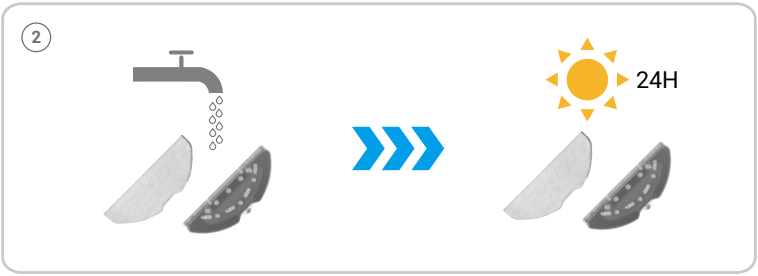
Clean the Filter with Cleaning Tool and flush the Filter and Dustbin throughly with water as necessary, and then all cleaned elements shall be thoroughly dried.

Do not clean with hot water or detergent.



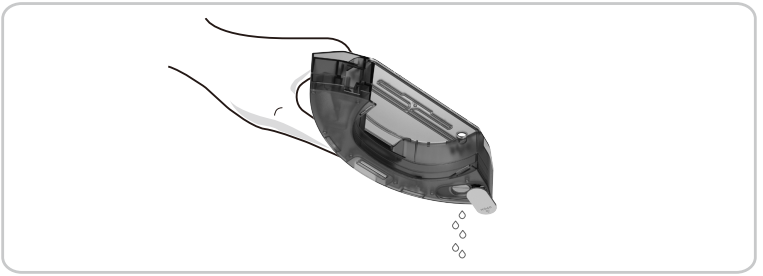
Clean/replace Mop Assembly





Clean Water Tank

When not use the Robot for a long time, please empty the water tank.

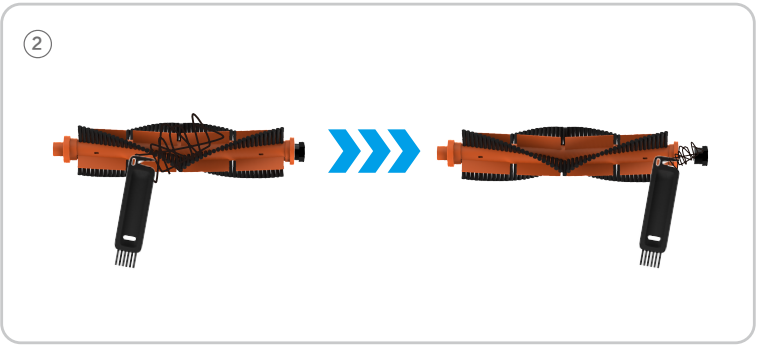


Clean the Main Brush

Press the buckles to take out the Main Brush cover and the Main Brush.

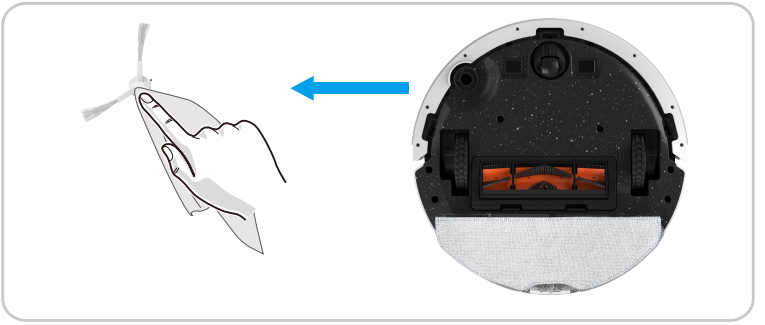


Use the blade of the Cleaning Tool to cut off the hair entangled on the Main Brush and remove the roller at one end of the Main Brush to clean it, and then re-install the Main Brush into place.

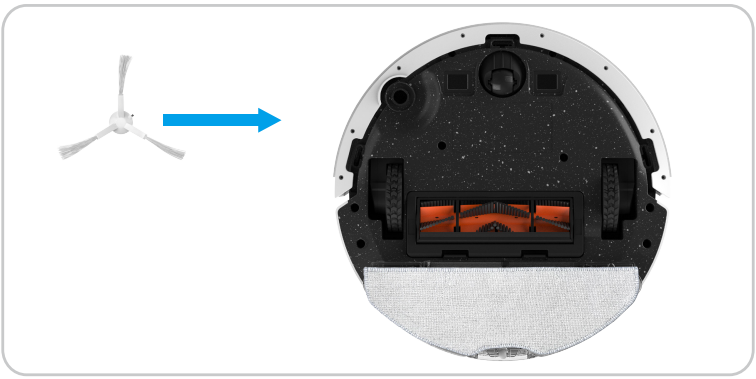


Clean/Replace the Side Brush

Pull the side brush out and then clean the foreign matters like hairs.



Pull out the old side brush and then press the new one into the position.



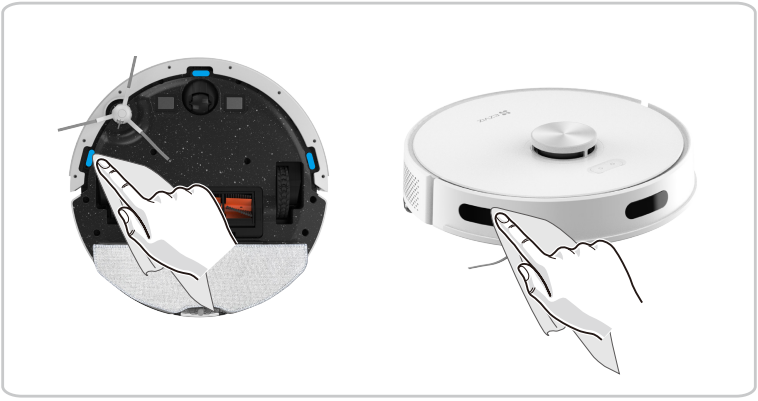
Clean Universal Wheel

① Pull up the Universal Wheel directly by hand then clean it with the hidden Cleaning Tool and then re-install it into place.
② Clean the Universal Wheel with the hidden Cleaning Tool.



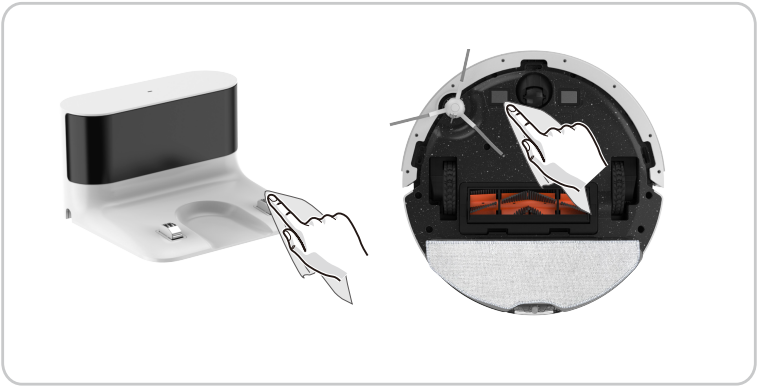
Clean Sensors

Wipe dust off from the sensors with a soft dry cloth.



Clean the Charging Electrode

Wipe off the dust on the Charging Electrodes with a soft dry cloth.



FAQ

When any abnormality occurs to the Robot in operation, the power indicator will blink fast in red and voice prompt will be provided. Please consult the following table for troubleshooting:

Problem	Solution
The Robot cannot start	Make sure the Robot is connected to power supply.
	Make sure the battery is fully charged.
	Make sure the power switch on side of the Robot is turned on.
	If the problem persists, please reset the Robot.
The Robot suddenly stops working.	Check whether the Robot is stuck or blocked by obstacles.
	Check whether the battery is too low.
	If the problem persists, please shut it down, wait for 3 seconds, and then restart it.
Cannot make a sweep schedule	Make sure the Robot has been powered on.
	Make sure the schedule time has been set correctly.
	Check whether the Robot power is too low to start sweep.
	The Robot will not start any scheduled cleaning when the task is being performed.
Suction too weak	Check the suction inlet for any obstruction.
	Empty the Dustbin.
	Clean Filters with water.
	Check whether Filters are wet due to water or other liquids on the floor. Let Filters dry naturally thoroughly before use.

Problem	Solution
Cannot charge the Robot	Please check whether the Charging Base is correctly connected to the power supply, and the Charging Base indicator light illuminates when the power is on.
	When the Robot is normally connected to the Charging Base, the charging base indicator light extinguishes.
	If the Robot is connected to the Charging Base, but the Charging Base indicator light does not extinguish and the Robot does not respond, please use a dry cloth to wipe the Charging Electrodes at the bottom of the Robot and the Charging Electrodes of the Charging Base, and then try again.
	If the Robot still can not be charged after performing the above operations, please contact the after-sales department or your dealer.
The Robot cannot return to the Charging Base.	Clear the Charging Base of objects within 0.5m on the left and right sides and within 1.5m ahead.
	Make sure that the Robot starts sweep from the Charging Base without abnormal movement.
	When the Robot is near the Charging Base, it can return faster. But if the Charging Base is located far away, the Robot will need more time to return.
	Please wait during its return.
	Clean Charging Electrodes.
The Main Brush does not rotate	Clean the Main Brush.
	Check whether the Main Brush and the Main Brush cover are installed correctly.
Abnormal action or sweep route of the Robot	Carefully clean the Sensor with a dry cloth.
	Restart the Robot.
The Robot cannot connect to your Wi-Fi network	Ensure that your Wi-Fi router supports 2.4GHz and 802.11b/g/n bands as this Robot does not support 5GHz bands.
No water released during cleaning	Make sure there is enough water in the water tank.
	Check whether the mop assembly is installed correctly. Upon correct installation, you will hear related voice promp.
	Check whether the water outlet is blocked.
Overlapped map appeared	Delete the current map and try to build a new one by press ⏻.

For additional information about the Robot, please refer to www.ezviz.com.

List of Faults

When the Robot fails, the power indicator on the Robot will flashes red, and the relevant voice prompts will be heard at the same time. Follow the voice prompts to solve the faults.

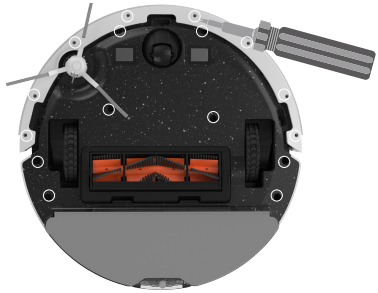
Voice Prompts	Solutions
Error 1: Battery abnormal. Please refer to the user manual or EZVIZ App	The battery temperature is too high or too low. Please wait until the battery temperature becomes normal (0℃ ~40℃ /32°F~104°F) before operation
Error 2: Wheel abnormal. Please refer to the user manual or EZVIZ App	Please check whether there are foreign objects stuck in a wheel and try to restart the Robot.
Error 3: Side brush abnormal. Please refer to the user manual or EZVIZ App	Please check whether there are foreign objects stuck in a side brush and try to restart the Robot.
Error 4: Fan abnormal. Please refer to the user manual or EZVIZ App	•Please check whether there are foreign objects stuck in the fan and try to restart the Robot. •Please clean the dustbin and filter, and restart the Robot.
Error 5: Main brush abnormal. Please refer to the user manual or EZVIZ App	Please remove and clean it, its connections, its Cover and the Suction Inlet. Please try to restart the Robot after cleaning.
Error 6: Water pump abnormal. Please refer to the user manual or EZVIZ App	Please clean the water tank, water pump connections on the tank and Robot, the water outlet at the Robot bottom, and check the mop assembly. Please try to restart the Robot after cleaning.
Error 7: Laser sensor abnormal. Please refer to the user manual or EZVIZ App	Please check whether there are foreign objects in the laser sensor, and restart the Robot after cleaning.
Error 12: Operation abnormal. Please check whether the power switch is turned on.	Please turn on the power switch.

If the corresponding faults cannot be eliminated by referring to the above methods, please refer to www.ezviz.com/eu.

Appendix

Environmental Precautions

The chemical substances contained in the built-in lithium-ion battery of this product may cause environmental pollution. Please remove it 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 when discarding the device, not the daily operation instructions):
1.Let the Robot run to a low power state that cannot be cleaned without touching the Charging Base.
2.Turn off the Robot and remove the Side Brush and Dustbin.
3.Turn the Robot over and remove the screws at the bottom.
4.Remove the battery cover.
5.Take out the battery.



- When disassembling the battery, please ensure that the power is exhausted and operate with the Charging Base disconnected.
- Please disassemble the whole battery pack together and do not damage the battery pack casing to avoid short circuit or leakage of hazardous substances.
- If the battery has exudate and accidentally touches it, please flush it with plenty of water and seek medical attention promptly.
- This product should not be discarded after the expiration date or after the repair cannot work normally, please hand it over to an enterprise qualified to dispose of WEEE, please refer to the national or local regulations on the disposal of WEEE for the correct method.

Rechargeable Lithium ion Battery

1. The battery type of the Robot: Portable battery.
2. The battery of this Robot is non-removable, which is risky to remove.

Chemical Composition	Chemical Formula	CAS No.	Weight (%)
LITHIUM NICKEL COBALT MANGANESE OXIDE	$LiNi_xCo_yMn_{1-x-y}O_2$	182442-95-1	20%-50%
Ethylene Carbonate	$C_3H_4O_3$	96-49-1	5%-10%
Dimethyl carbonate	$C_3H_6O_3$	616-38-6	3%-5%
Graphite	C	7782-42-5	10%-20%
Polyethylene	$(C_2H_4)_n$	9002-88-4	2%-5%
Polypropylene	$(C_3H_6)_n$	9003-07-0	2%-5%
Copper	Cu	7440-50-8	2%-10%
Aluminum	Al	7429-90-5	2%-10%
Polyvinylidene fluoride	$(C_2H_2F_2)_n$	24937-79-9	≤5%
Styrene Butadiene Rubber	$(C_8H_8.C_4F_6)_x$	9003-55-8	≤1%

INFORMATION FOR PRIVATE HOUSEHOLDS

1. Separate collection of waste equipment: Electrical and electronic equipment that has become waste is referred to as waste equipment. Owners of waste equipment must dispose of it separately from unsorted municipal waste. In particular, waste equipment does not belong in household waste, but in special collection and return systems.

2. Batteries and rechargeable batteries as well as lamps: Owners of waste equipment shall, as a rule, separate waste batteries and rechargeable batteries that are not enclosed in the waste equipment, which can be removed from the waste equipment without being destroyed, from the waste equipment before handing them in at a collection point. This does not apply if waste equipment is prepared for reuse with the participation of a public waste management authority.

3. Options for returning waste equipment: Owners of waste equipment from private households can return it free of charge to the collection points of the public waste management authorities or to the take-back points set up by manufacturers or distributors within the meaning of the Electrical and Electronics Equipment Law. Stores with a sales area of at least 400 m² for electrical and electronic equipment and those grocery stores with a total sales area of at least 800 m² that offer electrical and electronic equipment several times a year or on a permanent basis and make it available in the market are required to take it back. This also applies in the case of distribution using means of distance communication, if the storage and shipping areas for electrical and electronic equipment are at least 400 m² or the total storage and shipping areas are at least 800 m². Distributors shall, in principle, ensure take-back by providing suitable return facilities at a reasonable distance from the respective end user. The possibility of returning waste equipment free of charge exists for distributors who are obliged to take it back, among other things, if a new similar device that essentially fulfills the same functions is delivered to an end user.

4. Privacy Notice: Waste equipment often contains sensitive personal data. This applies in particular to devices of information and telecommunications technology such as computers and smartphones. In your own interest, please note that each end user is responsible for deleting the data on the waste equipment to be disposed of.

5. Meaning of the symbol “crossed-out wheelie bin”: The symbol of a crossed-out wheelie bin regularly depicted on electrical and electronic equipment indicates that the respective device is to be collected separately from unsorted municipal waste at the end of its service life.