

# electriQ

## USER MANUAL



### **Robot Vacuum Cleaner with Camera, VSLAM and SLAM Navigation**

**iQLEAN-CR01**

Thank you for choosing the electriQ robot vacuum cleaner. This instruction manual is designed to provide you with all required instructions related to the installation, use and maintenance of the appliance. In order to operate the unit correctly and safely, please read this instruction manual carefully before installation and usage.

# SETTLING IN OK?

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We hope this has been helpful to you.

We would love to see how you're getting on with your new purchase, so please share any snaps you have on the platform of your choice below.

Our community awaits your uploads - Snap, tag and hashtag away!



**@electriQUK**  
**#electriQUK**

# WE'RE HERE TO HELP

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Should you have any problems or questions with your purchase, please contact a member of our customer service team.

☎ 0330 390 3061

✉ [support@electriQ.co.uk](mailto:support@electriQ.co.uk)

Mon-Fri | 9am to 5pm

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West Yorkshire, HX5 9DA

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# SAFETY PRECAUTIONS

## IMPORTANT

- Carefully read the instructions before operating the unit. Please retain the manual for future reference.
- This appliance is for indoor use only.
- Rating: This unit must be only connected to a 220-240 V, 50/60 Hz outlet.
- Always check the rating label against the electrical supply.
- If you are in any doubt about the suitability of the electrical supply have it checked and, if necessary, tested by a qualified electrician.
- This robotic vacuum cleaner has been tested and is safe to use. However, as with any electrical appliance - use it with care.
- Disconnect the power plug from unit before dismantling, assembling or cleaning.
- Do not clean the unit by spraying it or immersing it in water.
- Never operate this appliance if the cord or power supply is damaged. Ensure the power cord is not stretched or exposed to sharp objects / edges.
- Do not use the appliance if any part or any accessory is damaged or defective.
- A damaged power supply should be replaced only with original parts from the manufacturer.
- Avoid touching any moving parts of the appliance.
- Never insert fingers or any other objects while machine is in operation.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities. It is also not intended for use by those with a lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.
- Do not leave children or animals unsupervised with this appliance.
- Only use the original battery or charger from the manufacturer, any third-party components may damage the unit.
- Any service other than regular cleaning should only be performed by an authorised service representative. Failure to comply could result in a voided warranty.
- Do not use the appliance for any purpose other than its intended use.
- Do not use the appliance in places with high humidity (>80%RH).
- Do not immerse the robot in water or other liquids. If the robot is immersed in water or other liquids, do not touch it with hands. If the appliance is immersed in water or other liquids, discard it.
- Do not use if there are liquids on the floor.

- Do not use in an environment where there is a risk of fire or explosion.
- Do not use to clean printer toner spilled on the floor as this could cause a fire.
- Before using the robot cleaner, remove any fragile objects from the floor e.g. glasses, bottles, candles, lamps. Also removes any sharp metals, nails, sharp glass pieces or any other objects that could block or damage the robot.
- Do not place any object on the top of the robotic cleaner.
- Do not leave any fragile objects on the side of tables, cabinets etc where the robot could bump into and cause them to fall.
- Before operating the robot, ensure that there are no obstructions which could cause the robot to become trapped or jammed.

### **UNIT SAFETY PROTECTION AND PERFORMANCE TIPS**

- Make sure unit is assembled correctly before use.
- Charge for 6 hours before operating for the first time. If not using the robot for a long time please fully charge and remove the battery.
- Always use the battery charger or base provided.
- Clean the robot and brushes regularly. Empty and vacuum the dust container.
- If the robot becomes entangled, remove brushes, clean the debris and reassemble.

### **BATTERY CARE**

To get the most from the robot's battery, please charge the product fully and remove it from the robot before any expected long periods of inactivity.

To prevent the battery from self-discharging please charge every three months. If it reaches a level of deep discharge it may not be able to charge. In this case please contact product support.

## **PRODUCT OVERVIEW**

The robot vacuum cleaner is designed for cleaning homes, small offices and other small rooms. It provides excellent cleaning for a variety of floor types including:

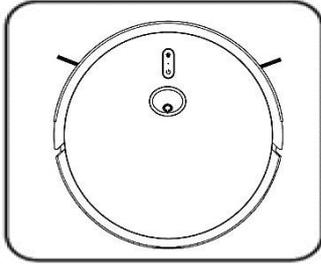
- Wooden floors
- Tiled floors
- Stone floors
- Short-pile carpets (up to 2 cm deep)

## **FEATURES OF THE ROBOT VACUUM CLEANER**

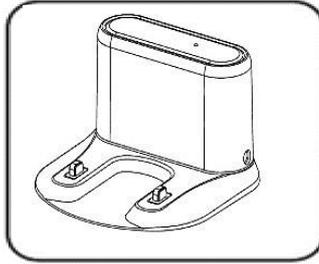
- SLAM (simultaneous localisation and mapping).
- Navigation by camera, VSLAM (visual simultaneous localisation and mapping) technologies.
- 2 in 1 e-tank containing dust box with vacuum function and water tank which can be controlled by the user.
- Four smart cleaning modes designed to suit your different cleaning needs. They can be controlled by the remote control and through the app.
- Great cleaning efficiency and power saving.
- Charging base both recharges the vacuum's battery and unloads the robot's dust into its own dust box for ease of emptying.
- User-friendly design – Press the power button to start cleaning, see third party control on page 19.

# PARTS LIST

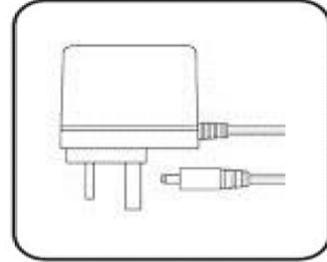
Please view this list before commencing operation.



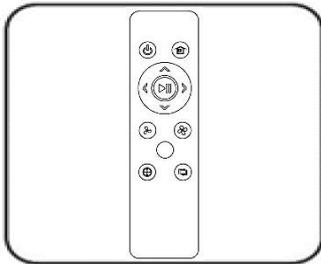
Robot Vacuum



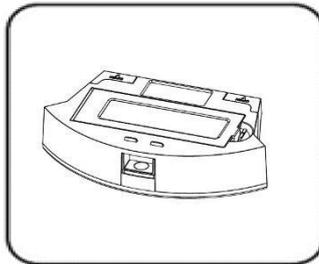
Charging Base



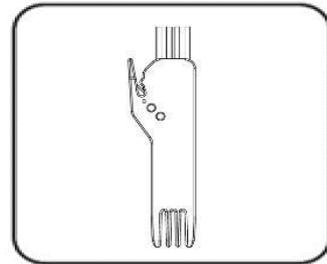
Mains Adapter



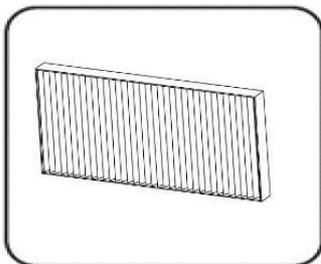
Remote Control



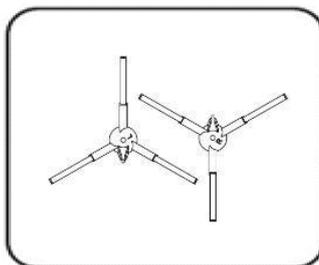
e-Tank & Dust Box



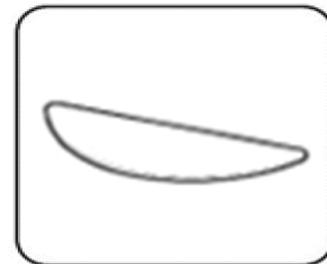
Cleaning Tool



HEPA Filter,  
Sponge Filter  
& Pre-Filter



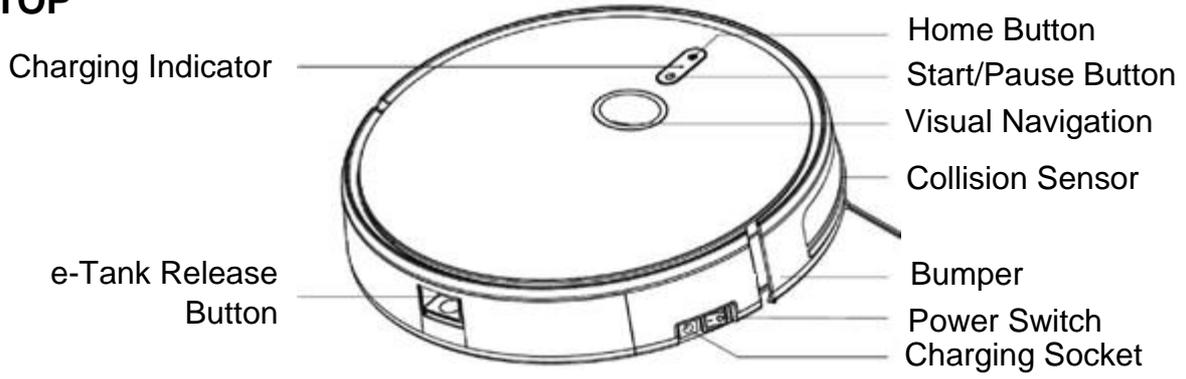
2x Side brushes



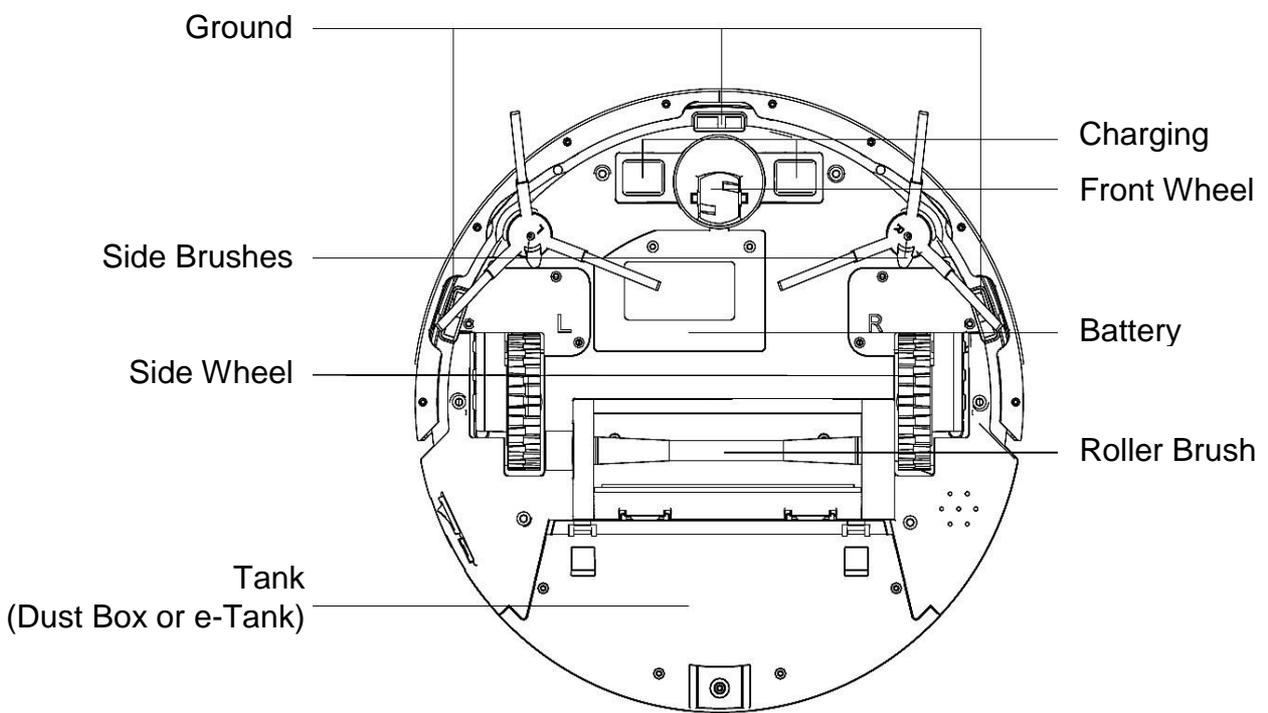
Mop

# PRODUCT DIAGRAMS

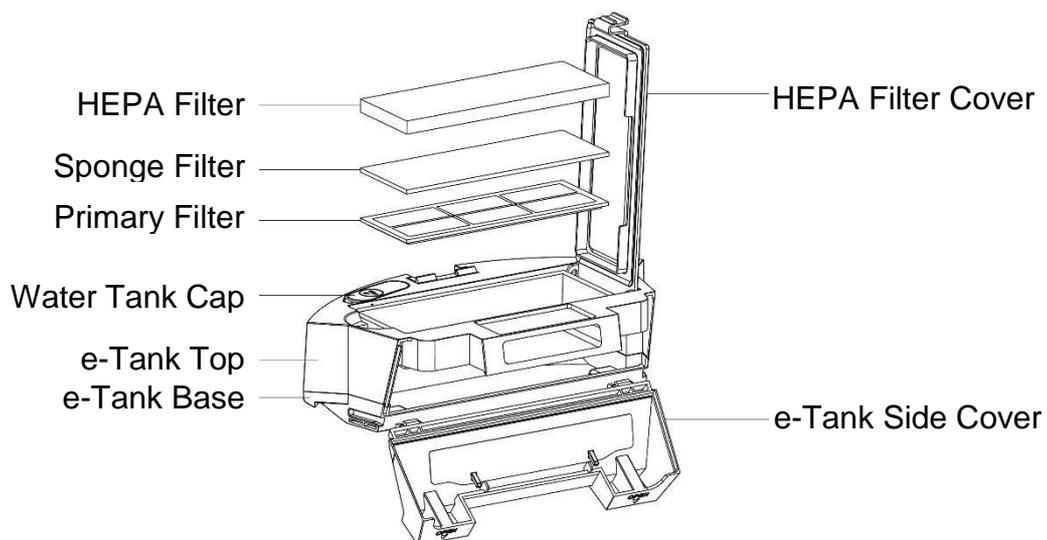
## TOP



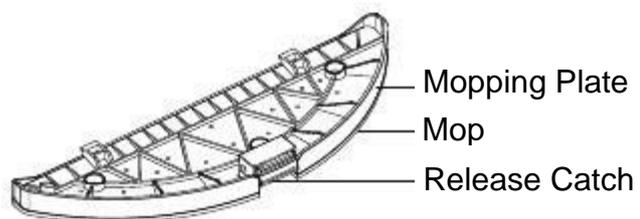
## BOTTOM



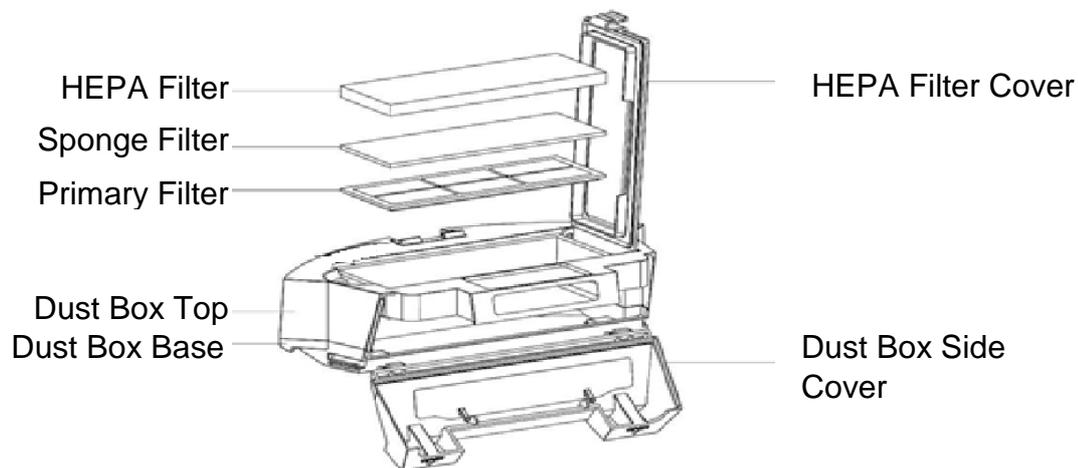
## E-TANK



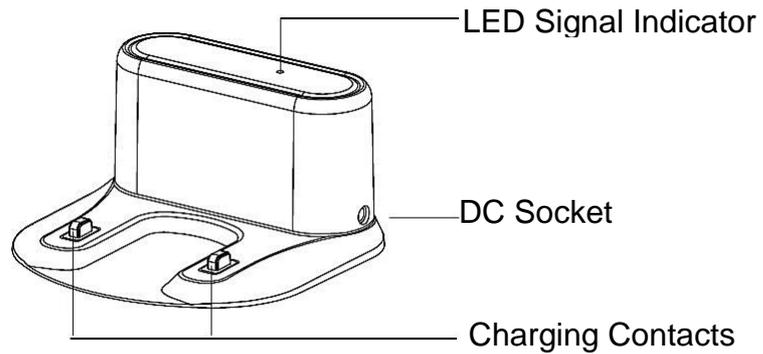
## MOPPING PLATE



## DUST BOX



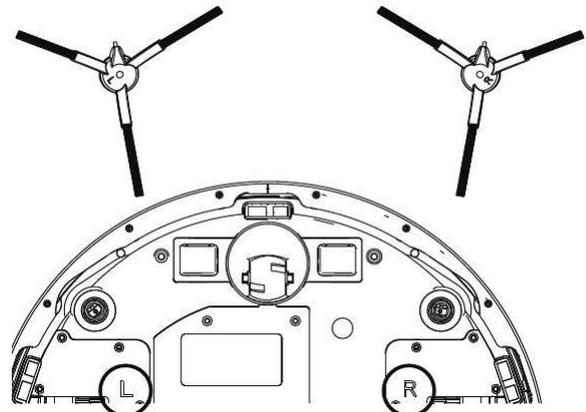
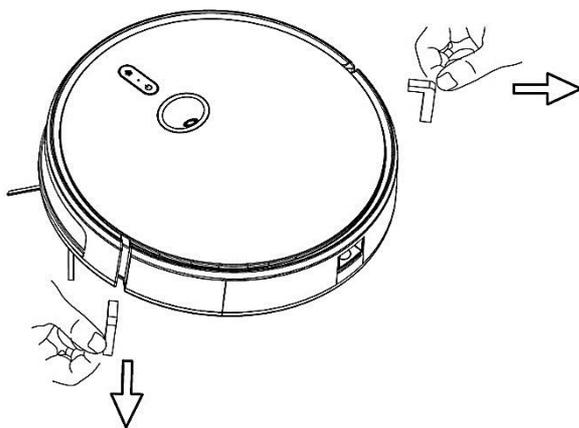
## CHARGING BASE



## INITIAL SET UP

### SIDE BRUSHES

Install the side brushes according to the 'L' (left) and 'R' (right) markings.

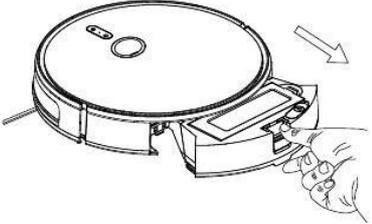
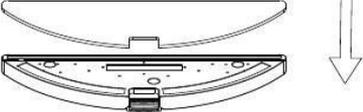
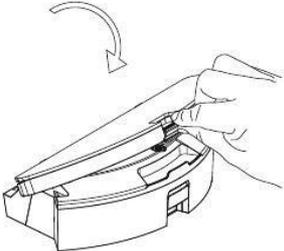
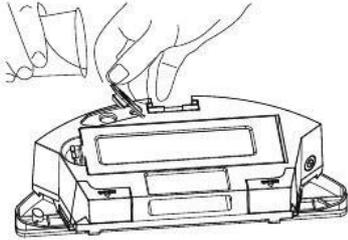
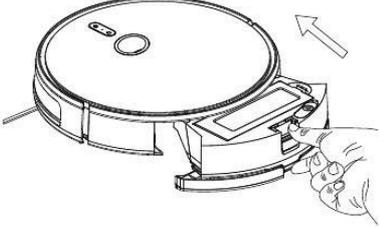
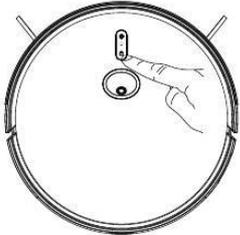


### BUMPER PROTECTORS

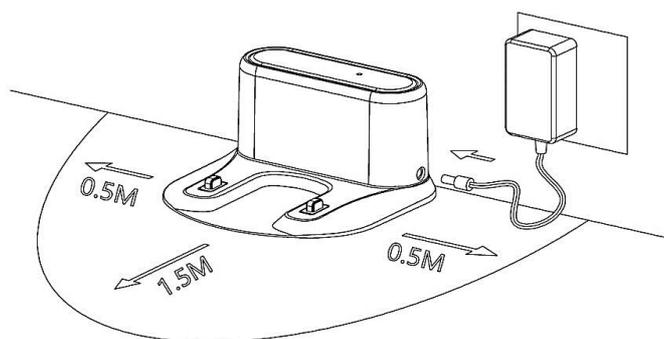
Remove the bumper protectors.

- Arrange the furniture so that the robot can move around freely.
- Block off hazards such as stairways and bannisters to prevent the robot from danger.
- Take care to remove small objects from the floor, for example power leads, toys and such as these may get tangled in the robot's mechanism.  
Do not use the mopping function on carpet and if you have any loose rugs, roll them up to keep them away from the vacuum.

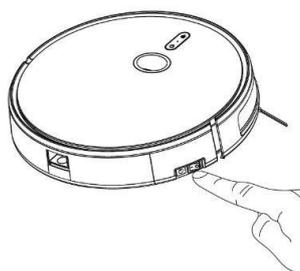
## 2 IN 1 E-TANK

	<p>Press the Tank release button to eject the e-Tank.</p>
	<p>Fit the mop onto the mopping plate.</p>
	<p>Turn over the e-Tank and clip the mopping plate onto the base of the e-Tank.</p>
	<p>Turn the e-Tank back over, open the water tank filler plug and pour in water. Secure the plug.</p>
	<p>Re-insert the e-Tank assembly.</p>
	<p>Then press the power on button to start mopping.</p>

## SETUP OF THE BASE



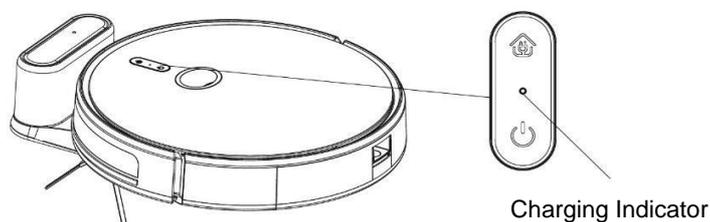
Place the charging base against a wall. Keep the charging base free of obstructions; 0.5m to the side and 1.5m in front. Ensure the base is on, so the robot can find it.



Once the base is setup. Turn on the main power switch.

## CHARGING THE ROBOT

Please fully charge the robot before first use. Charging time is approximately 6 hours.



There are two ways to charge the robot:

- On the charging base.
- Charging directly from the power adapter.

When charging, the indicator light flashes. When it is complete the indicator turns green. During cleaning the robot monitors its own charge level and returns to the charging base when required. You can also put the robot into recharging mode by pressing the  button on the remote control or on the app.

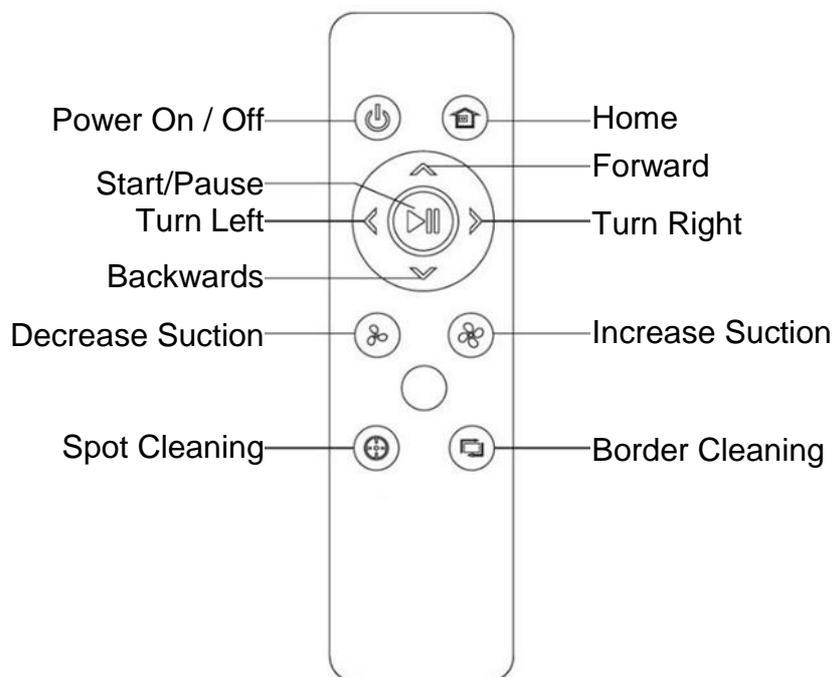
Please note:

- Do not operate the charging base in areas with strong reflections such as direct sunlight or mirrors. If this is unavoidable please cover the reflective surfaces up, so that the charging base is not in direct sunlight.
- For electrical safety and to prevent leaking to the floor, do not charge the robot with the water tank fitted.
- During charging do not press any button.

# OPERATION

The product has different cleaning modes to cater for different cleaning needs. The cleaning mode can be chosen on the robot, on the remote control or on the app.

## REMOTE CONTROL

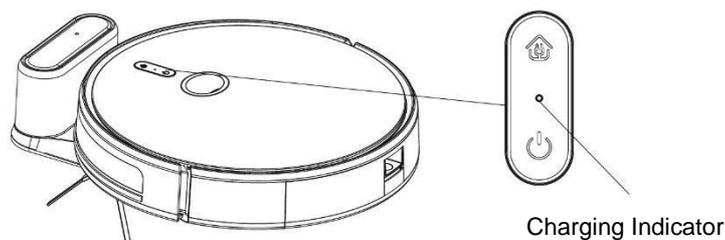


Please insert 2 x AAA batteries, not included.

<p><b>AUTOMATIC CLEANING</b></p>	<p>The robot will scan the immediate environment and generate a map in its internal memory. It will then clean the room in S-shape cleaning patterns and finally clean around the perimeter of the room.</p> <p>To activate: with the robot in standby mode, switch on the power. After hearing the robot voice prompt, press the start button or press  on the remote control or in the app. The robot will then start to clean.</p>
<p><b>SPOT CLEANING</b></p>	<p>This mode is useful where there is cleaning required concentrated on one area. With the robot on standby/sleep, press the spot cleaning button and the robot will clean in a spiral shape from its starting position. After cleaning the robot will return to the start position.</p> <p>To activate press the spot cleaning button  in the app or on the remote.</p>
<p><b>BORDER CLEANING</b></p>	<p>The robot cleans along the perimeter of the room and returns to the charging base once border cleaning is completed.</p> <p>To activate: press the button  on the remote control or start on app.</p>
<p><b>MANUAL CONTROL</b></p>	<p>To control the robot manually use the arrow buttons on the remote control.</p>

<b>SUCTION ADJUSTMENT</b>	Press the button  on the remote control or in the app to adjust suction levels. Only works in Automatic Cleaning Mode. In Mopping Mode, it will adjust the water flow rate instead.
<b>PAUSE</b>	During operation of the robot press the start button or the pause button  on the remote / app.

## CONTROL PANEL



<b>HOME</b>	The home button sends the robot to the charging base where it will start charging (Charging base must be turned on).
<b>POWER ON / OFF</b>	The power on button will turn the robot on and it will start doing automatic cleaning. When the robot is on, the button will turn the robot off and it will stop cleaning.
<b>CHARGING INDICATOR</b>	The charging indicator will show if the robot is charging or turned on. The indicator is also used when connecting Wi-Fi (see add device section).

<b>WAKE UP</b>	After three minutes of inactivity, the robot goes into sleep mode and all indicators turn off. You can use any buttons on the robot or app to wake it up. If it has been inactive for more than 20 minutes, on the start and go home buttons can wake it.
<b>SHUT DOWN</b>	After the robot has completed its task and come to rest, press the main power switch at the side of the robot to shut down.  Note: it is recommended that after the robot has completed its task, it is returned to the charging base to fully recharge the battery. It not in use for a long time, then it can be shut down.

# APP CONTROL

Before you start:

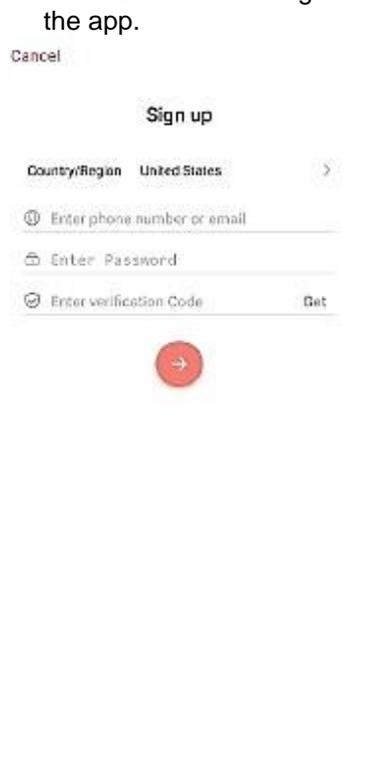
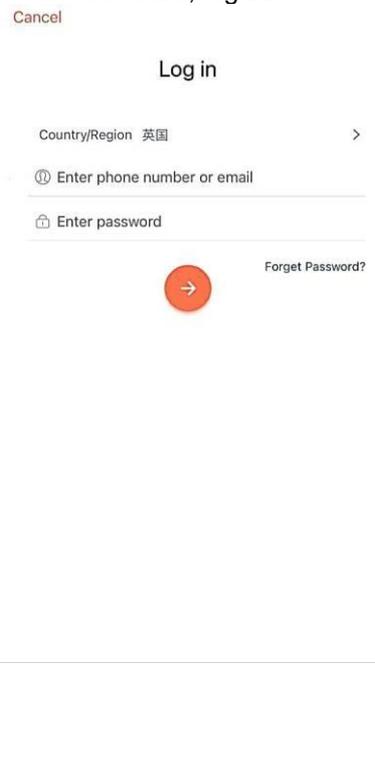
- Ensure the router provides a standard 2.4GHz connection.
- If the router is dual band ensure that both networks have different network names (SSID). The provider of the router / Internet service provider will be able to provide advice specific to the router.
- Place the cleaning robot as close as possible to the router during setup.
- Once the app has been installed on the phone, turn off the data connection, and ensure the phone is connected to the router via Wi-Fi.

## DOWNLOAD THE APP TO THE PHONE

Download the WeBack app, from the chosen app store, using the QR codes below, or by searching for the app in the chosen store.



## REGISTER/LOG IN

<p>1. Select the 'Register' button at the bottom of the screen.</p> 	<p>2. Enter the details and the verification code to register the app.</p> 	<p>3. If you have already registered the software, log in.</p> 
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# ADD DEVICE

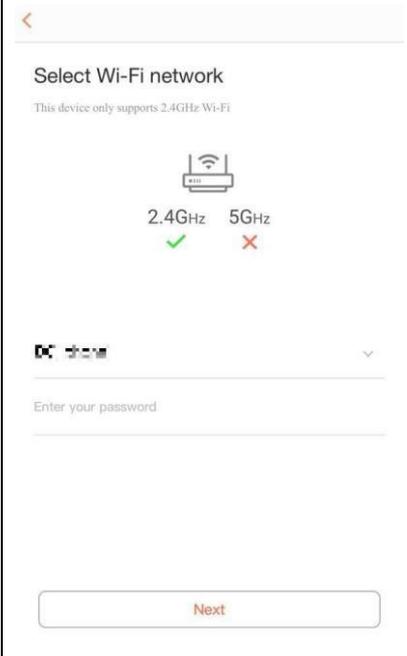
1. At the Device screen select the + symbol to add a device.



2. You will now be prompted to scan the QR code which is located on the underside of the robot.



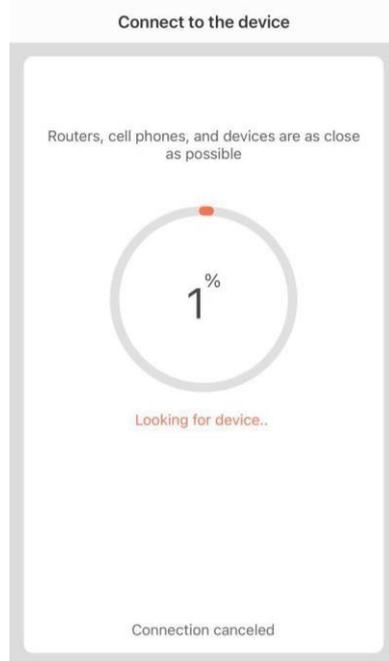
3. Now select the Wi-Fi network from the list and enter the Wi-Fi password.



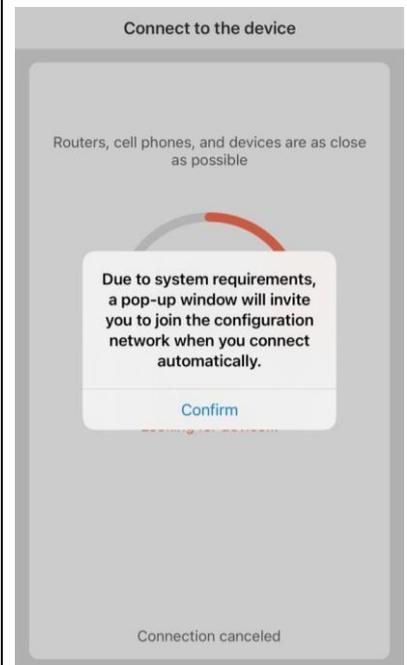
4. Reset the device by pressing the power switch. After restarting, press and hold the device button 3-5 seconds. The device will make a confirmation tone. Click next on the phone. Note: do not attempt to connect from the charging base. Make sure that after the long press a network prompt tone is received.



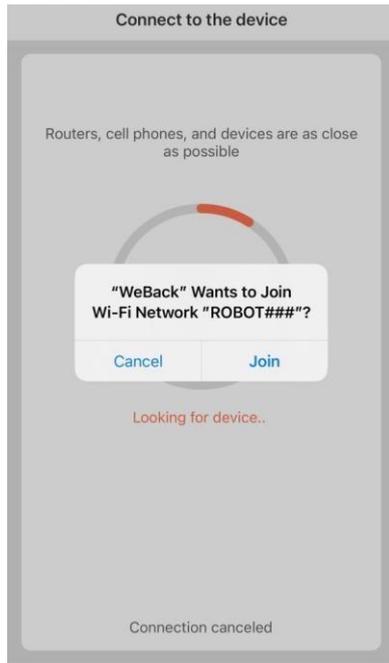
5. Now the phone, robot and router will build a connection to each other.



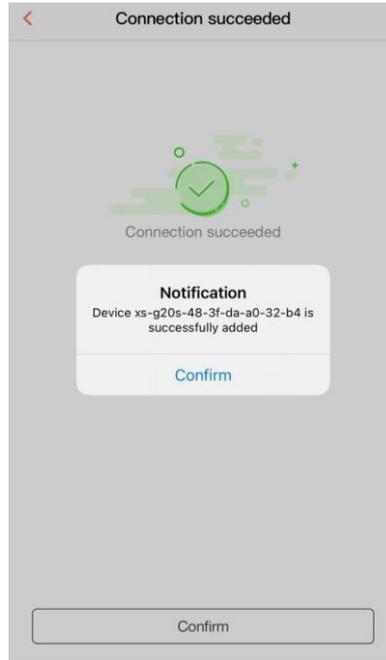
6. Confirm the message below.



7. Confirm WeBack's connection of the robot to the Wi-Fi network.



8. Success – all devices connected.



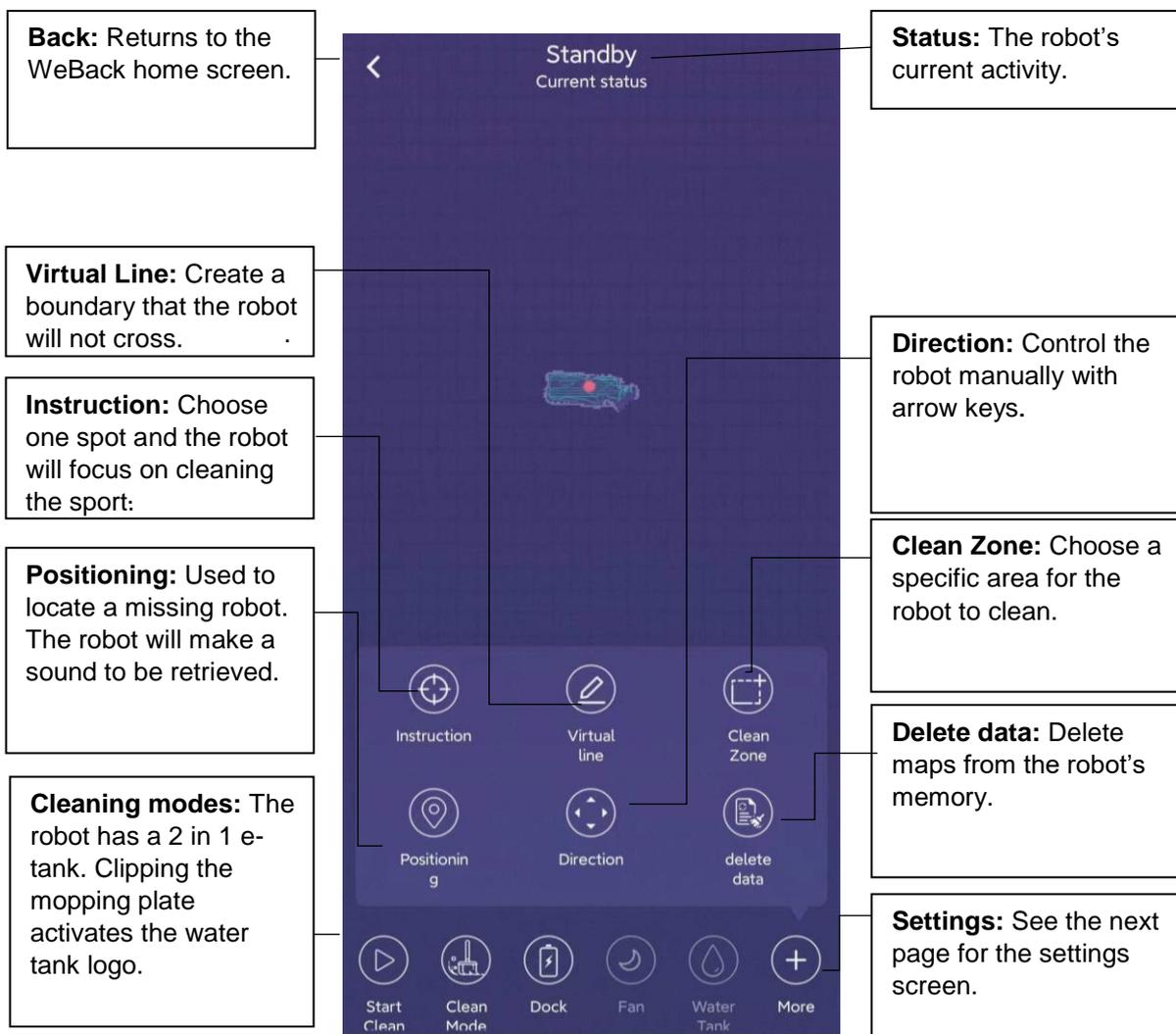
9. The WeBack home screen now lists the robot.



## CONTROLLING THE DEVICE THROUGH THE APP

### THE DEVICE SCREEN

The device screen is the main control screen for the cleaning robot, providing access to the controls to amend the functions and settings.



**NOTE:** Due to continuous development of the app, the layout and availability of features are subject to change.

## THE SETTINGS SCREEN



This screen gives you the option to turn off the robot's voice and update some of the device's basic settings.

**Voice switch** – switch voice on and off.

**Crossing Obstacles** – whether to allow robot to cross 1cm tall obstacles.

**Breakpoint Cleaning** – permit robot to break off from a cleaning job to recharge then continue the remaining clean.

**Set Remark** – rename the Robot.

**Schedule** – set a schedule for the robot to clean at a specified time in the future.

**Area unit** – choose between ft<sup>2</sup> or m<sup>2</sup>.

**Shared device** - share access to the controls of the cleaning robot with friends and family.

**Check for update** – update to the latest firmware.

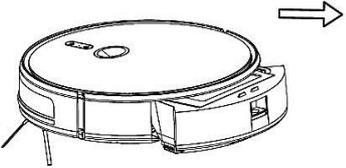
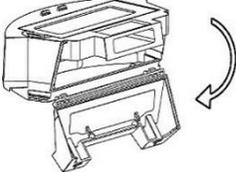
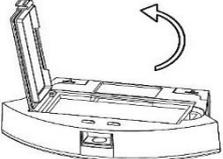
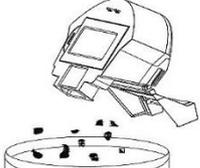
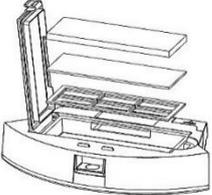
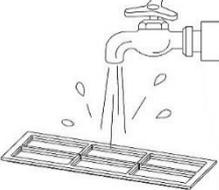
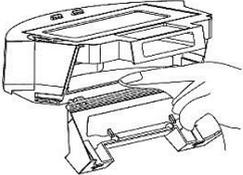
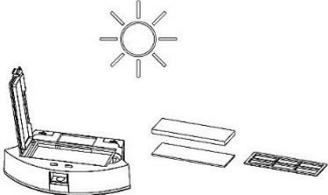
**Model** – this is the unique identifier.

**Upload problem log** – upload error file for support.

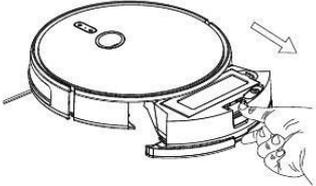
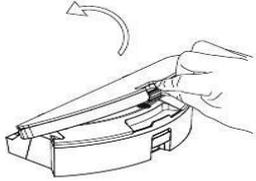
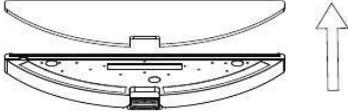
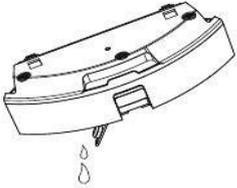
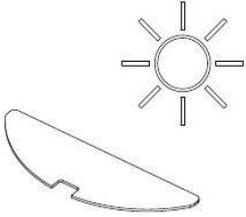
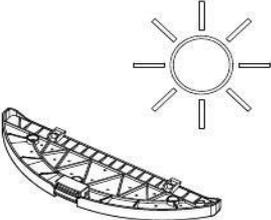
**Third Party Control** - This allows the unit to be integrated with the favourite home automation hardware such as Google Home and the Amazon Echo.

# CLEANING AND MAINTENANCE

## DUST BOX AND FILTER CLEANING

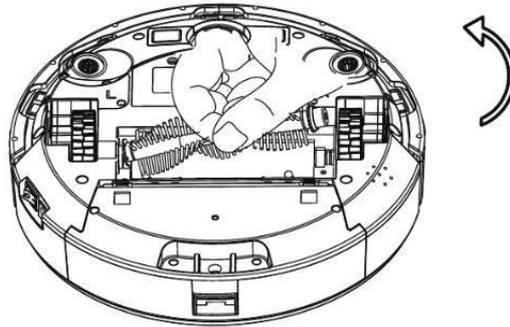
	<p>Press the dust box release button to remove the dust box.</p>
	<p>Open the dust box side cover.</p>
	<p>Open the HEPA filter cover</p>
	<p>Empty the contents into the waste bin.</p>
	<p>Remove the HEPA filter, sponge filter and primary filter. Clean with a cloth or brush. Don't wash the HEPA filter or sponge filter with water. <b>Please wash the primary and sponge filter every 15 to 30 days and replace the HEPA filter every three months.</b></p>
	<p>Remove the dust from the primary filter. Wash and dry it before next use.</p>
	<p>Clean the dust box with a soft cloth or cleaning tool.</p>
	<p>Air dry the dust box and filters for 24 hours.</p>

## E-TANK MAINTENANCE

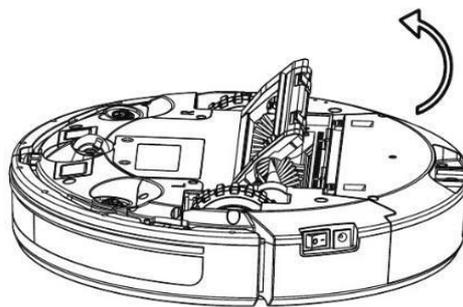
	Release the e-Tank.
	Turnover and detach the mopping plate.
	Remove the mop.
	Empty out any remaining water.
	Clean the mopping plate under the tap.
	Rinse the mop under the tap.
	Leave the mop to air dry for 24 hours.
	Leave the mopping plate to air dry for 24 hours.

## CLEANING THE BRUSHES

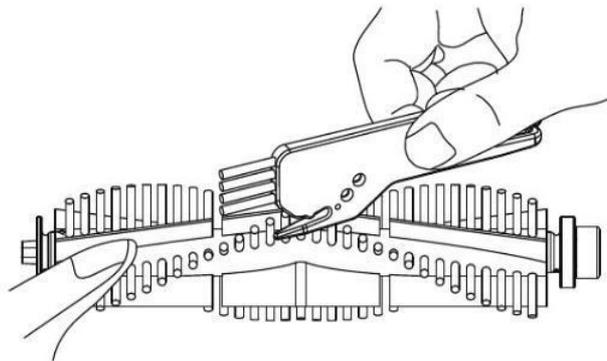
1. Open the roller brush cover assembly.



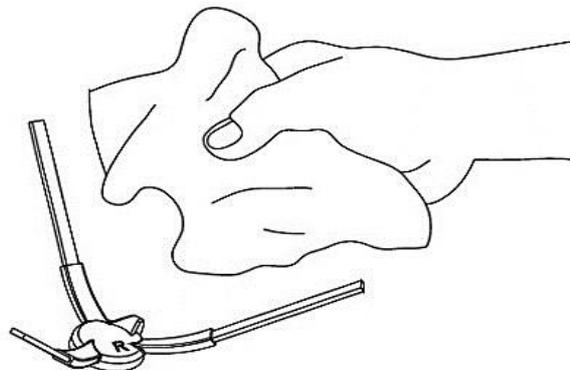
2. Take out the roller brush.



3. Use the cleaning tool provided to cut off any hair tangled on the roller brush.



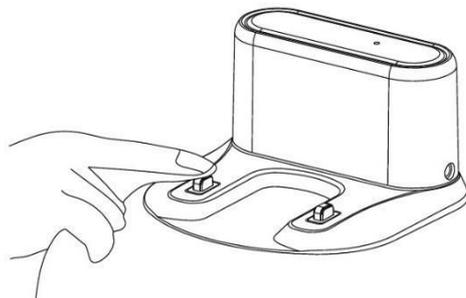
4. Take off the side brush. Clean with a soft cloth.



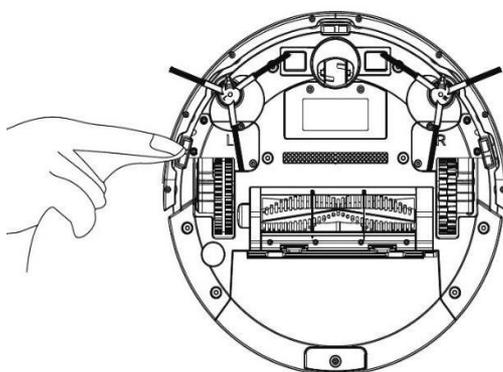
## MAINTENANCE OF CHARGE TERMINALS AND WHEELS

Note: the charging terminals on the charging base and the underside of the robot contain sensitive electronic components. Do not use water to clean them, use only a dry cloth.

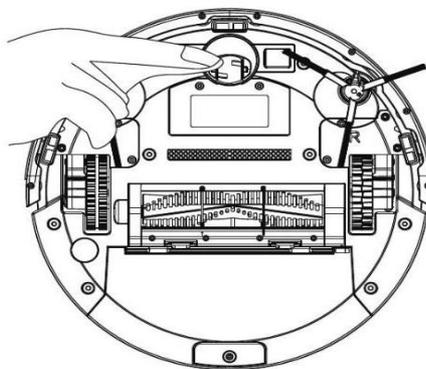
Clean the charging contacts.



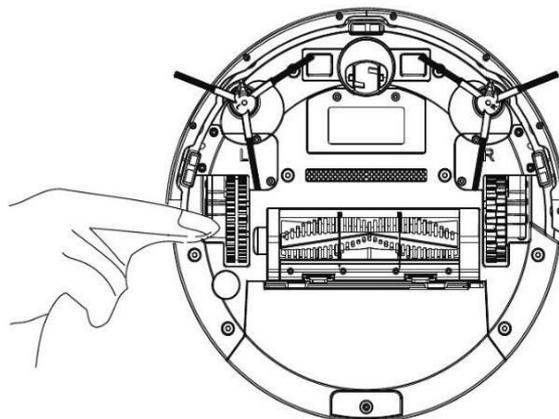
Clean the ground sensors.



Clean the front wheel.



Clean the side wheels.



# TROUBLESHOOTING

<b>FAULT</b>	<b>POSSIBLE CAUSE</b>	<b>SOLUTION</b>
Robot does not charge.	Poor connection between the electrodes on the base of the robot and the charging base.	Ensure contacts are clean and free from obstruction.
	The charging base is switched off.	Keep charging base switched on to charge robot when not working.
Robot gets stuck.	The robot may get entangled by wires and cables on the floor, by hanging curtains and by rugs and carpets.	The robot will attempt to free itself but may not be successful and may require help.
Robot returns to charging base without completing the cleaning.	Robot has detected power may be too low to complete the job and needs to recharge.	Charge the robot.
	The robot works at different speeds on different floor types. For example, it works longer on wood floors than carpets.	The length of time depends on the complexity of room environments, dust levels and different cleaning modes.
Robot does not perform cleaning work automatically as scheduled.	Robot is not switched on.	Turn on the robot.
	Power level of the robot is too low to work.	Keep robot on charge to prepare it for the next cleaning assignment.
	Robot is stuck or entangled in an obstacle.	Turn off the robot, clean the dust box, turn over and clean the wheels and side brushes.
Remote control malfunctions (effective range: 5m).	Remote control batteries are low.	Replace the batteries correctly.
	Robot batteries are low.	Make sure the robot is switched on with enough power to operate.
	Infra-red signals are blocked due to an obstruction on the robot's receiver.	Wipe the transmitter on the remote control and the receiver on the robot with a soft cloth.
	Interference from other electronic devices nearby.	Avoid using robot around other electronic devices.
Erratic behaviour when cleaning, such as missed sweeps and a chaotic route. App shows irregular cleaning map and cleaning is not tidy.	Small slips in the wheels due to climbing small steps, thresholds and door bars may have affected its judgement of position in the house.	Cleaning one room at a time will provide best results. Once complete the robot will return to its start position.
	Small slips may occur on waxed or polished floors or tiles, affecting the robot's judgement.	Ensure wax has fully dried before cleaning.
	Obstacles such as wires and shoes can affect the operation of the robot.	Before starting the machine ensure the floor is free of hazards.

# TECHNICAL SPECIFICATIONS

Model name: iQlean-CR01

## CHARGING BASE

Description	Parameter
Size	155 x 150 x 80 mm
Input	19V
Output	19V 0.6A
Rated Power	11.4W
Rated Frequency	50/60Hz

## ROBOT

Description	Parameter
Size	320 x 76mm
Battery	Lithium Ion, 3200mAh
Running Time	130 mins max.
Weight	2.3kg
Rated Voltage	14.8V
Rated Power	24W
Suction	3500Pa max.

## DECLARATION OF CONFORMITY

Hereby, electriQ declares that this Robot Vacuum Cleaner is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

<https://www.electriQ.co.uk/content/declaration-of-conformity>

# electriQ UK SUPPORT

[www.electriQ.co.uk/support](http://www.electriQ.co.uk/support)  
[www.electriQ.co.uk](http://www.electriQ.co.uk)

Call: 0330 390 3061  
Office hours: 9AM - 5PM Monday to Friday

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Recycling facilities are now available for all customers at which you can deposit the old electrical products. Customers will be able to take any old electrical equipment to participating sites run by their local councils. Please remember that this equipment will be further handled during the recycling process, so please be considerate when depositing the equipment. Please contact the local council for details of the local household waste recycling centres.