

electriQ

USER MANUAL



Robot Vacuum Cleaner with Camera, VSLAM and SLAM Navigation

iQLEAN-CR02

Thank you for choosing your 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?

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

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

Mon-Fri | 9am to 5pm

Unit J6, Lowfields Business Park,
Lowfields Way, Elland
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 220-230 V earthed outlet.
- Always check the rating label against your electrical supply.
- If you are in any doubt about the suitability of your electrical supply have it checked and, if necessary, retested by a qualified electrician.
- This robotic vacuum cleaner 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 by mistake, do not touch it with your hands. If the appliance is immersed in water or other liquids, discard it.
- Do not use if there are spilled 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 fire.
- Before using the robot cleaner, remove any fragile objects from the floor e.g. glasses, bottles, candles, lamps. Also removes any sharp metals, needles, 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 the 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.
- Do not look directly into the UV light.

Unit Safety Protection and Performance Tips

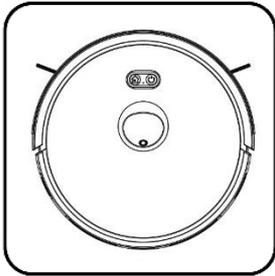
- Make sure unit is assembled correctly before use.
- Charge for 24 hours before operating for the first time. If not using the robot for a long time please fully charge and remove the battery.
- Always use the battery charger provided.
- Clean the robot and brushes regularly. Empty and vacuum the dust container.
- If the robot become entangled, remove brushes, clean the debris and reassemble.

FEATURES OF YOUR ROBOT VACUUM CLEANER

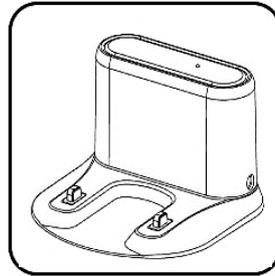
- Navigation by camera, SLAM (simultaneous localisation and mapping) and VSLAM (visual SLAM) technologies for maximum coverage and low repetition.
- 2 in 1 e-tank containing dust box for swept dust and water tank.
- Separate dust box for dedicated vacuuming including HEPA filter.
- Four smart cleaning 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 Control Button to start cleaning, follow the Voice Prompt to get the robot working for you.
- UV lamp on base of machine kills bacteria on the floor

PARTS LIST

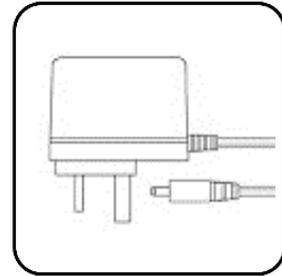
Please familiarise yourself with this list before commencing operation.



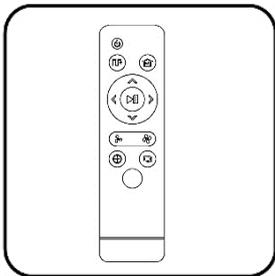
Robot Vacuum



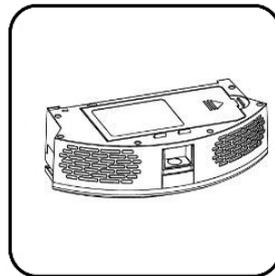
Charging Base



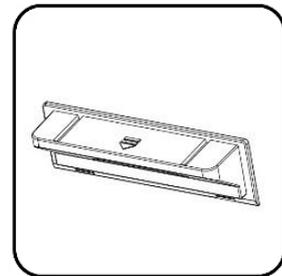
Mains Adapter



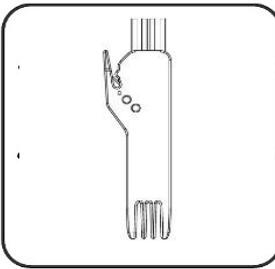
Remote Control



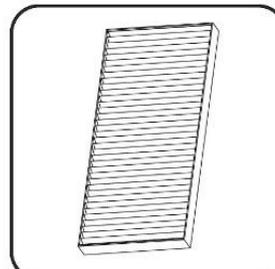
Dust Box



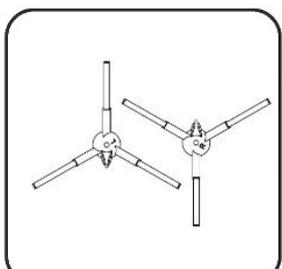
Dust Box Cover



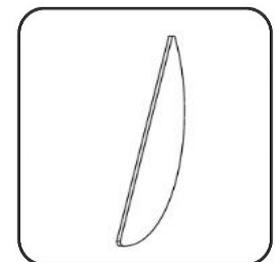
Cleaning brush



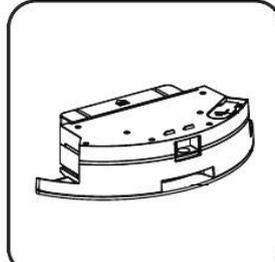
HEPA Filter



Side Brushes



Mop



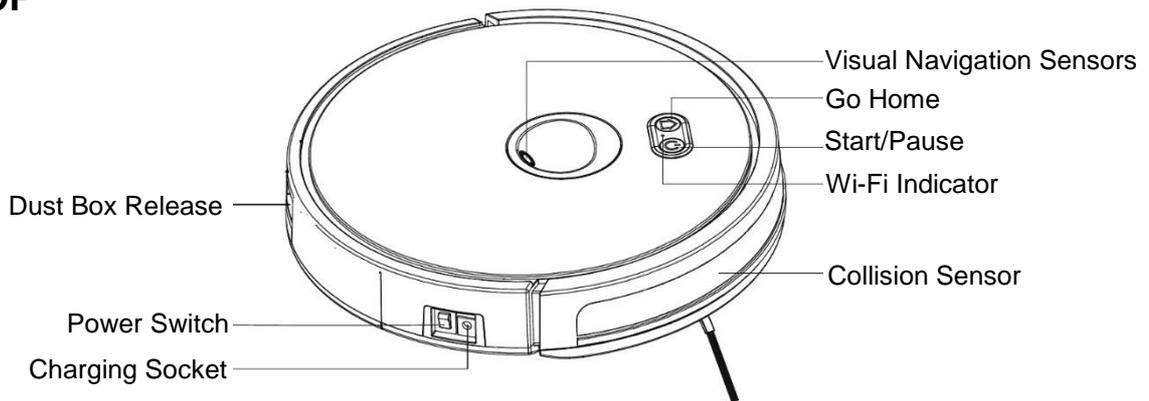
Water Tank

PRODUCT OVERVIEW

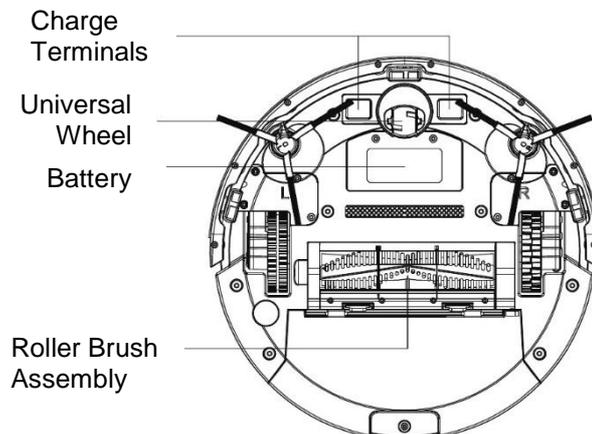
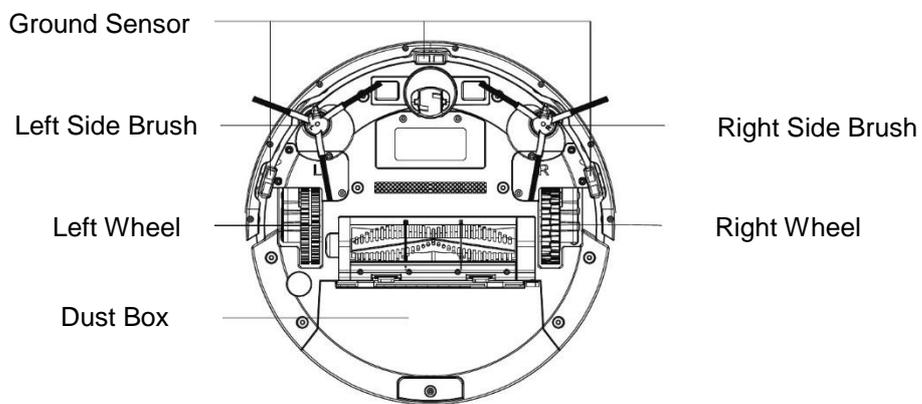
Your robot vacuum cleaner is designed for cleaning homes, small offices and other small to medium rooms. It provides excellent cleaning for a variety of floor types including:

- Wooden floors
- Tiled floors
- Stone floors
- Short-pile carpets (up to 1.5cm deep)

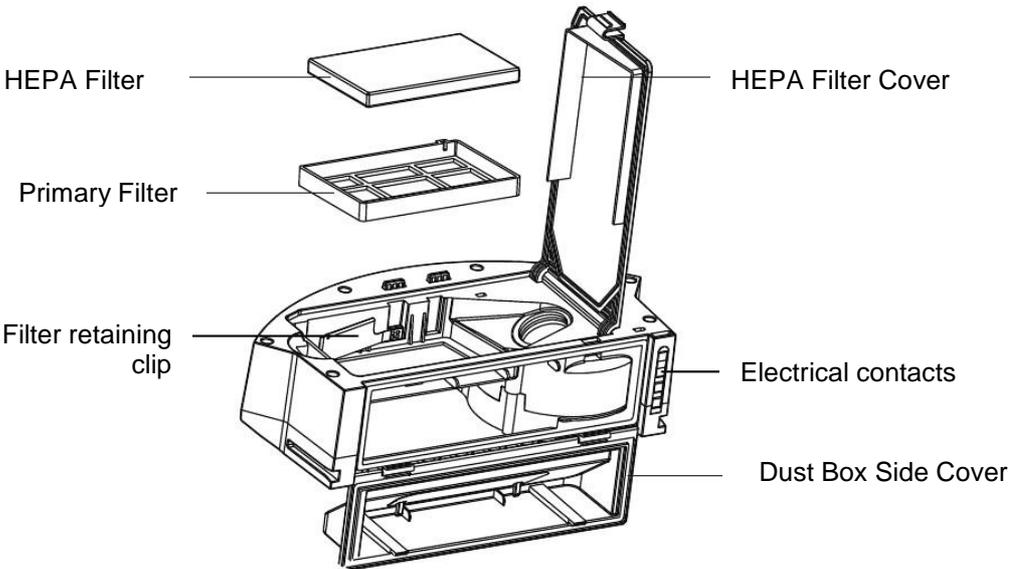
TOP



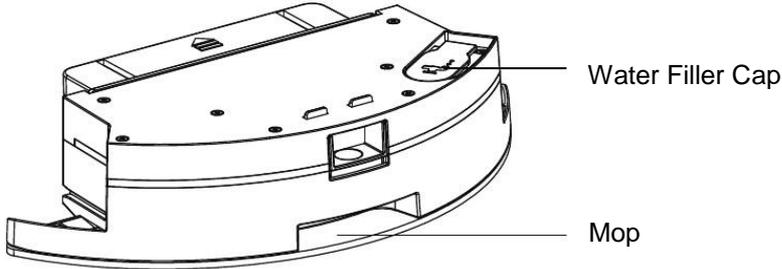
BOTTOM



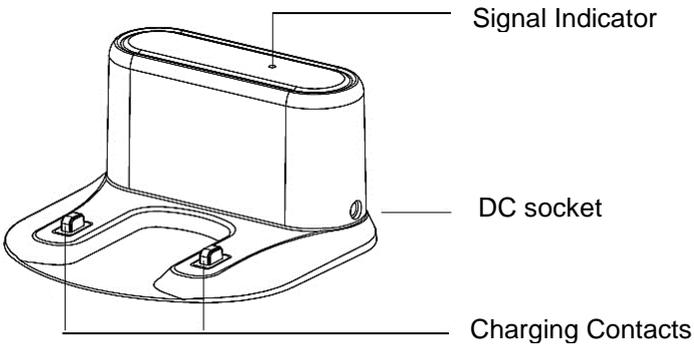
DUST BOX



WATER TANK



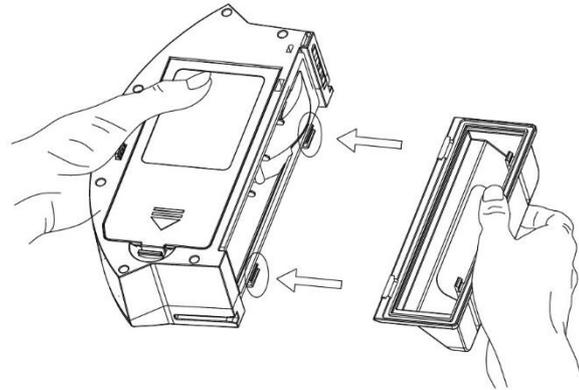
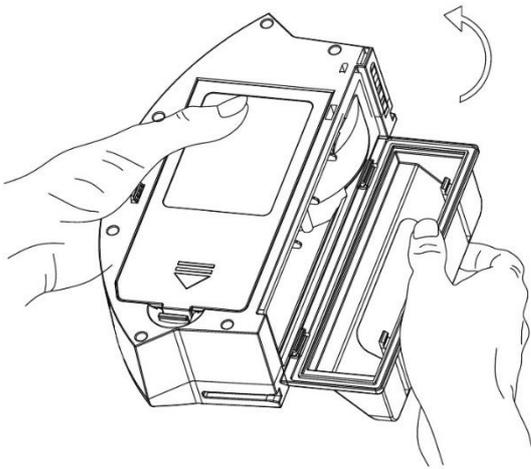
CHARGING STATION



INITIAL SET UP

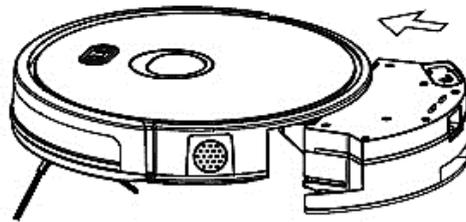
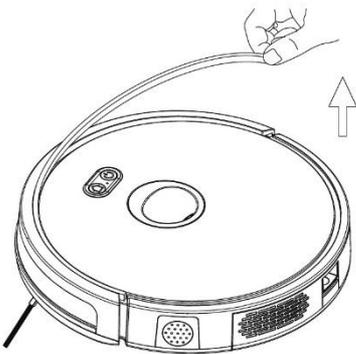
DUST BOX ASSEMBLY

1. Assemble the dust box side cover. Press the side cover firmly into position as shown.



2. Close the dust box side cover: pivot the cover as shown by the arrow opposite.

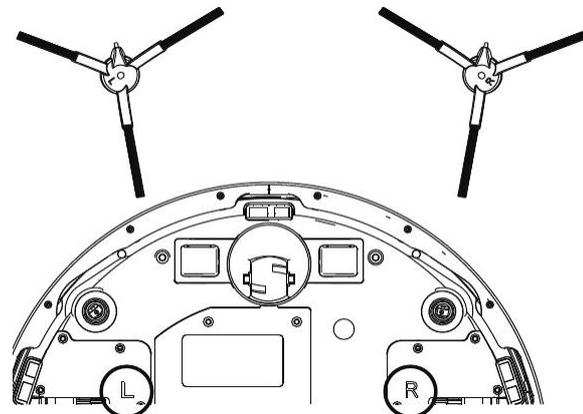
3. Insert the dust box



Finally, remove the protective bumper strip.

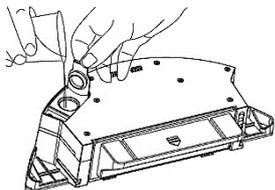
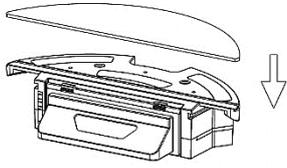
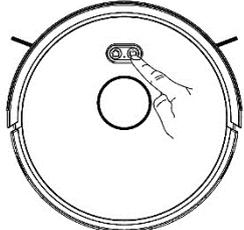
SIDE BRUSHES

Install the side brushes paying attention to the 'L' and 'R' markings.



2 IN 1 e-TANK

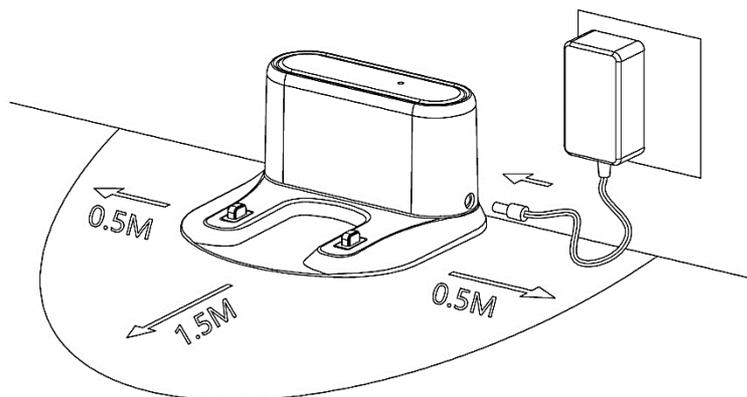
The water tank on the CR02 is an e-tank which means it has both a dust box for the dirt collected by the brushes and a water tank.

<p>1. To add water, open the filler cap and pour in.</p>	<p>2. Attach mop. Close filler cap and fit the mop.</p>
	
<p>3. Attach the water tank assembly.</p>	<p>4. Start mopping the floor.</p>
	

The water flow rate can be adjusted to cater for different floor environments. On the remote control press the suction button  to cycle through the flow settings small, medium and large. The best way for this to be done is on the app in cleaning modes (see page 19).

CHARGE YOUR ROBOT

Place the charging station against a wall on flat, level ground. Keep the charging station free of obstructions 0.5m to the left and right and 1.5m in front.



Turn on the power switch



There are two ways to charge the robot:

- On the charging station
- 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 station 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:

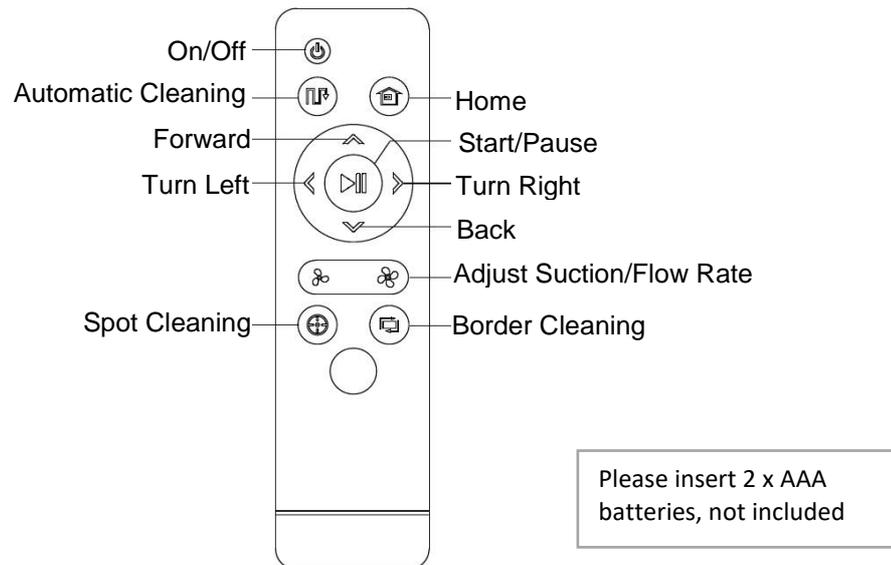
- Do not operate the charging station in areas with strong reflections such as direct sunlight or mirrors. If this is unavoidable please cover the reflective surfaces up to 7cm from the bottom.
- Please fully charge the robot before first use. Charging time is approximately 6 hours.
- For electrical 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 other than .

OPERATION

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

<p>AUTOMATIC CLEANING</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>SPOT CLEANING</p>	<p>This mode is useful where there is cleaning required concentrated on one area. With the robot on standby/suspend, 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>BORDER CLEANING</p>	<p>The robot cleans along the perimeter of the room and returns to the charging station once border cleaning is completed.</p> <p>To activate: press the button  on the remote control or start on app.</p>
<p>MANUAL CONTROL</p>	<p>To control the robot manually use the arrow buttons on the remote control.</p>
<p>SUCTION ADJUSTMENT</p>	<p>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.</p>
<p>PAUSE</p>	<p>During operation of the robot press the “Start” button or the pause button  on the remote / app.</p>
<p>WAKE UP</p>	<p>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.</p> <p>If it has been inactive for more than 20 minutes, on the Start and Go Home buttons can wake it.</p>
<p>SHUT DOWN</p>	<p>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.</p> <p>Note: it is recommended that after the robot has completed its task, it is returned to the charging station to fully recharge the battery. It not in use for a long time, then it can be shut down.</p>

REMOTE CONTROL



Before using your robot vacuum cleaner:

- Arrange your furniture so that your robot move around freely.
- Block off hazards such as stairways and bannisters to prevent your robot from danger.
- Take care to remove small objects from the floor, for example power leads, toys etc 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.

APP CONTROL

Before you start:

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

DOWNLOAD THE APP TO YOUR PHONE

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

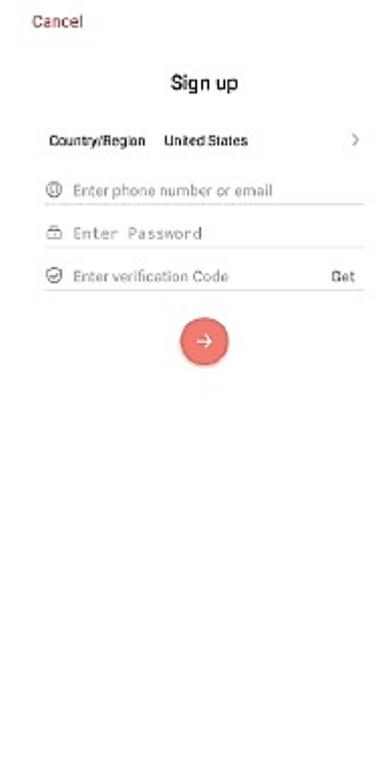
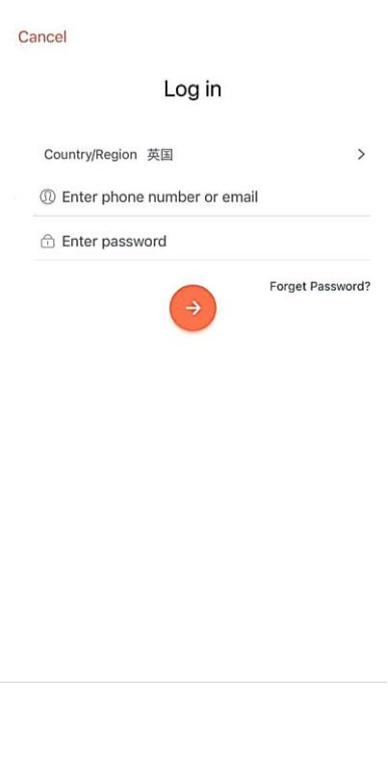
Android:



IOS:



REGISTER/LOG IN

<p>1. Select the 'Register' button at the bottom of the screen.</p> 	<p>2. Enter your 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

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



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



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



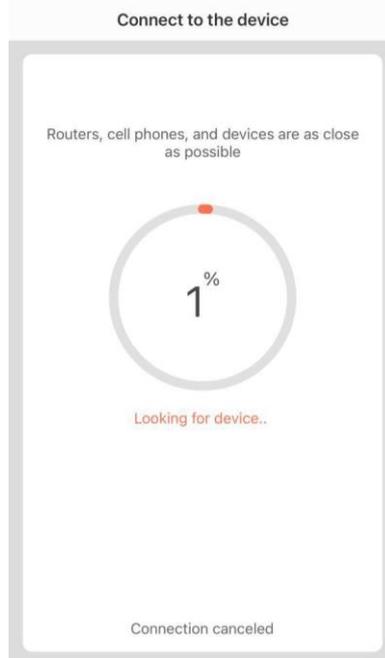
7. Reset the device by pressing the power switch. After restarting, press and hold the device button 3-5 seconds. The device will make a confirmation tone. Click next on your phone. Note: do not attempt to connect from the charging base. Make sure that after the long press a network prompt tone is received.



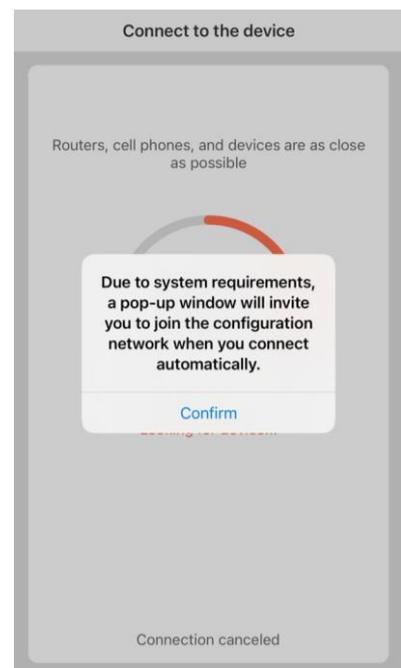
Confirmed above

Next

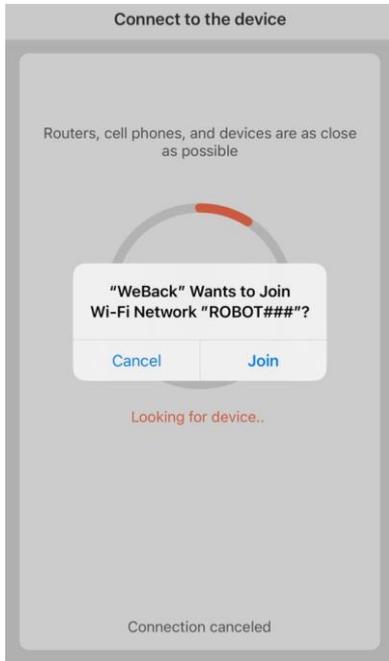
8. Now the phone, robot and router will build a connection to each other.



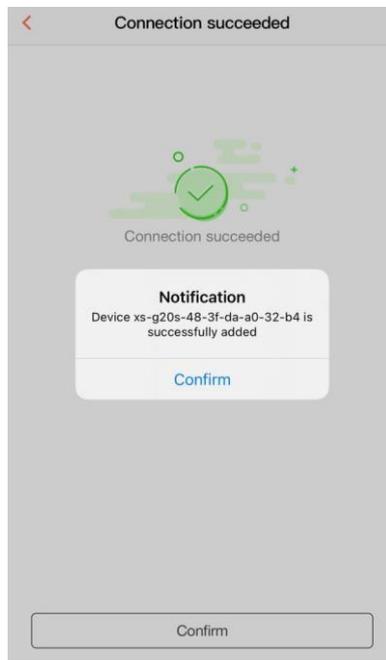
9. Confirm the message below.



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



11. Success – all devices connected.



12. The WeBack home screen now lists your robot.



CONTROLLING YOUR 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.

The screenshot shows the app's interface with a dark blue background. At the top, it says 'Standby' and 'Current status'. A central map shows a robot icon. Below the map is a grid of six icons: 'Instruction' (a square with a dot), 'Virtual line' (a pencil), 'Clean Zone' (a square with a dashed border), 'Positioning' (a location pin), 'Direction' (a four-way arrow), and 'delete data' (a document with a trash can). At the bottom is a row of six icons: 'Start Clean' (a play button), 'Clean Mode' (a robot), 'Dock' (a battery), 'Fan' (a fan), 'Water Tank' (a water drop), and 'More' (a plus sign). Callout boxes provide detailed explanations for each of these features.

Back: Returns to the WeBack home screen.

Virtual Line: create a boundary that the robot should not cross.

Instruction: choose one spot and the robot will focus cleaning on that spot.

Positioning: used to locate a missing robot. Press this and the robot will make a sound for you to retrieve it.

Cleaning modes: Load the dust box and 'Fan Mode' activates three suction speeds. Load the water tank for mopping and 'Water Tank' logo activates with 3 water speeds.

Status: the robot's current activity.

Direction: control the robot manually with the arrow keys.

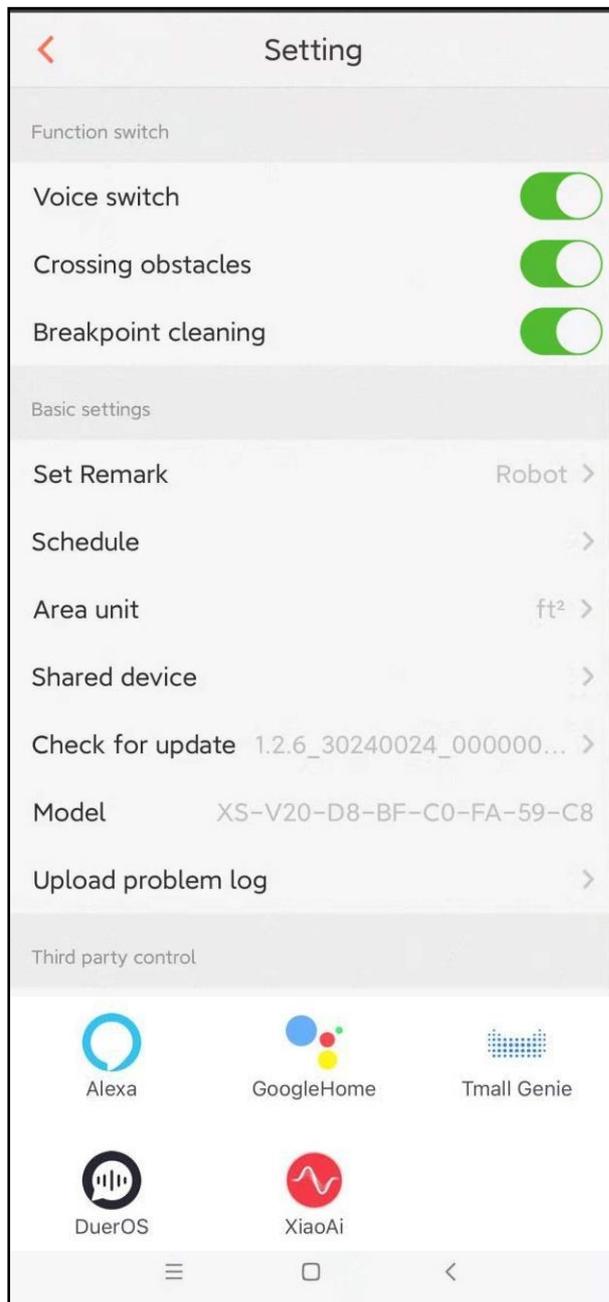
Clean Zone: choose a specific area you want the robot to clean.

Delete data: delete maps from the robot's memory.

Settings e.g. adjust volume, set schedules, set up Alexa / Google, see following page.

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 doorways and other obstacles.

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

Set Remark – rename your Robot.

Schedule – set a schedule for the robot to clean in the future.

Area unit – choose between ft² or m².

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

Check for update – update to the latest firmware.

Model – this is the full model number.

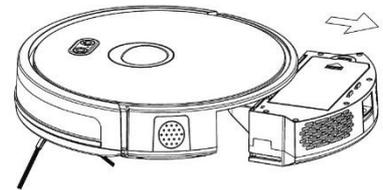
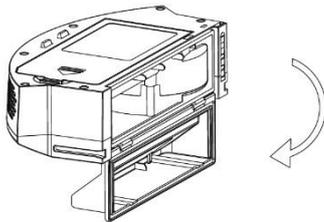
Upload problem log – upload error file for support.

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

CLEANING AND MAINTENANCE

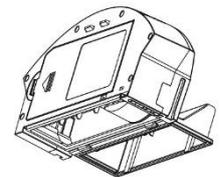
DUST BOX AND FILTER CLEANING

1. Press the dust box release button to remove the dust box.

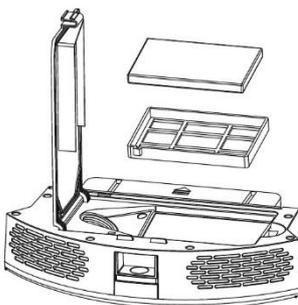


2. Open the dust box side cover.

3. Empty contents into waste bin.

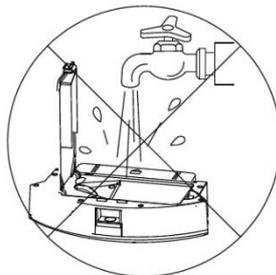
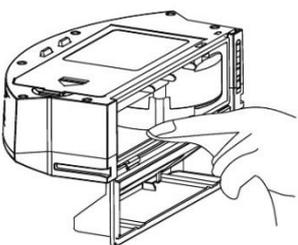


4. Open the filter cover and remove the primary filter and HEPA filter.



5. It is not recommended to wash the HEPA filter in water. Please tap gently to remove any dust.

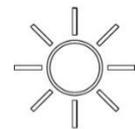
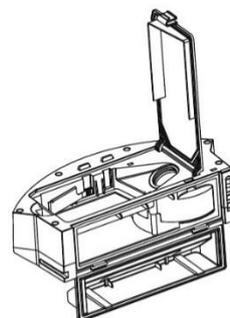
6. Wash the primary filter under running water.



7. Clean the dust box using a brush or damp cloth. Do not wash with running water as this may damage the electronics.

8. Dry the dust box and filters.

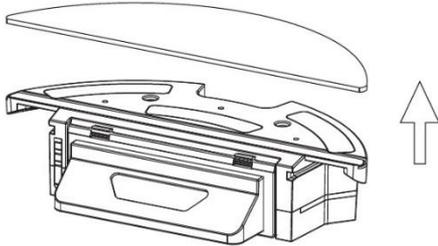
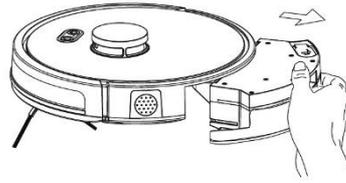
- The primary filter should be washed every 15-30 days.
- The maximum service life of the HEPA filter is three months.
- Do not expose HEPA filter to direct sunlight.



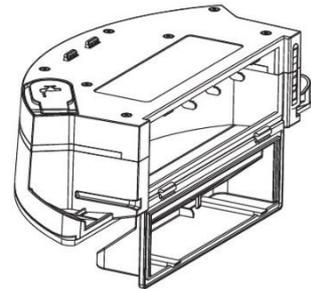
Once dry, reassemble filters and close the dust box lid.

WATER TANK MAINTENANCE

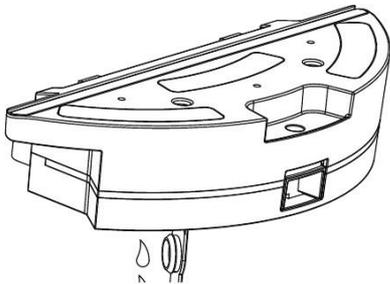
1. Remove the water tank. Pour out any remaining water.



2. Remove the mop. Wash it with running water and leave to air dry.



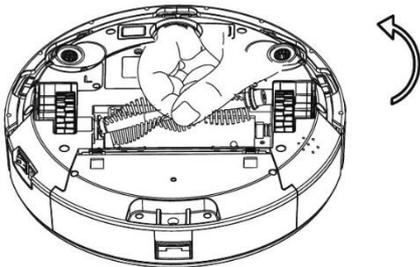
3. Clean the inside of the water tank.



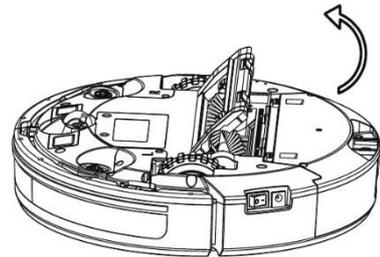
4. Allow the tank to air dry for 24 hours.

CLEANING THE BRUSHES

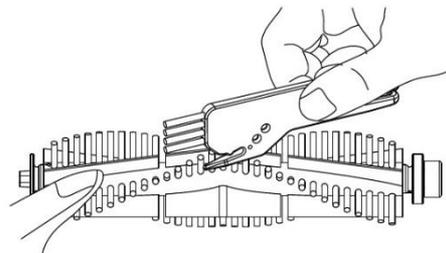
1. Open the roller brush cover assembly.



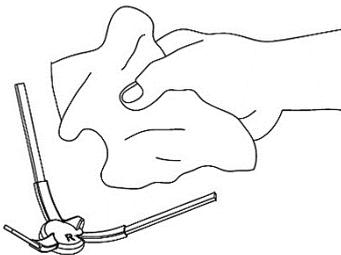
2. Take out the roller brush.



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

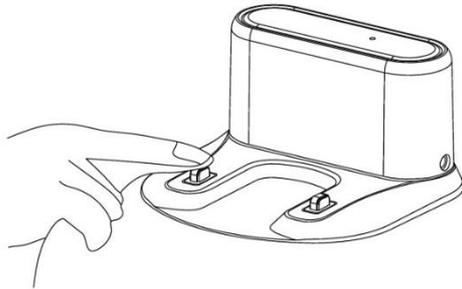


4. Take off the side brush. Clean with a soft cloth.

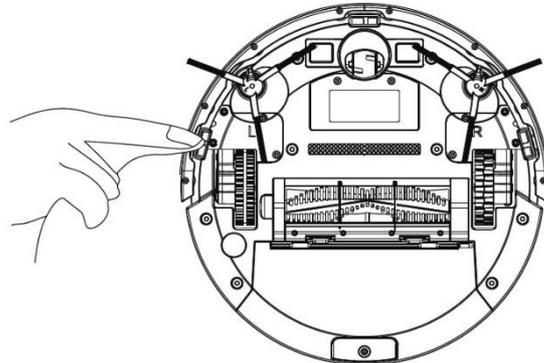


MAINTENANCE OF CHARGE TERMINALS AND WHEELS

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

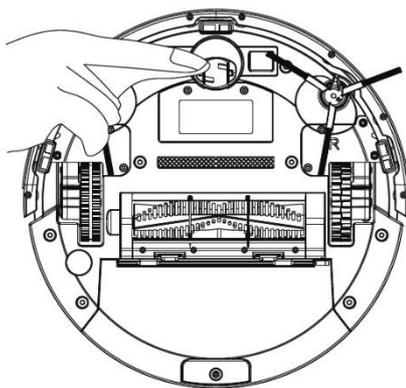


Clean the charge terminals

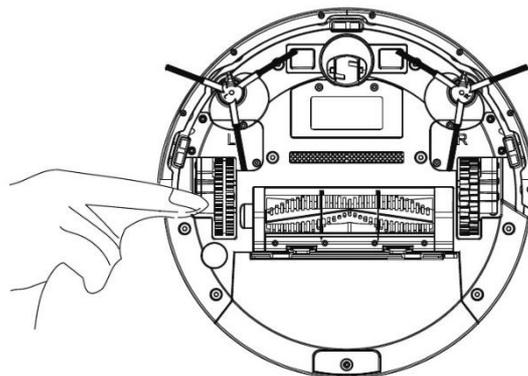


Clean the ground sensors

Clean the universal wheel



Clean the drive wheels



BATTERY CARE

To prevent the battery from self-discharging please charge product fully before any planned long periods of inactivity and recharge every three months.

If it reaches a level of deep discharge it may not be able to recover. In this case please contact product support.

TROUBLESHOOTING

FAULT	POSSIBLE CAUSE	SOLUTION
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 station 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-CR02

CHARGING STATION

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	330 x 76mm
Battery	Lithium Ion, 3200mAh
Running Time	130 mins vacuuming, 240 mins mopping max.
Weight	2.7kg
Rated Voltage	14.8V
Rated Power	25W
Suction	4000Pa max.

electriQ UK SUPPORT

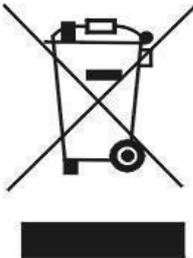
www.electriQ.co.uk/support

www.electriQ.co.uk

Call: 0330 390 3061

Office hours: 9AM - 5PM Monday to Friday

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Lowfields Way, Elland
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Recycling facilities are now available for all customers at which you can deposit your 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 your equipment. Please contact the local council for details of your local household waste recycling centres.