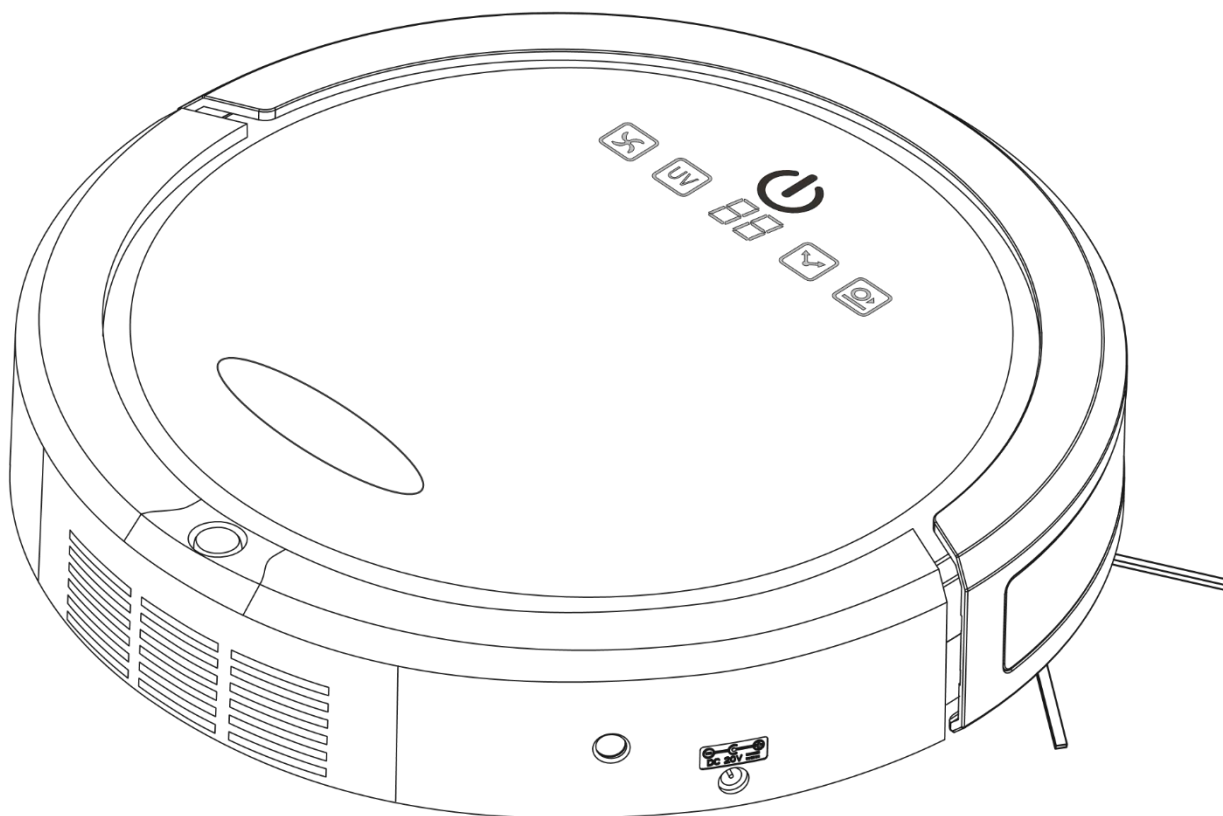




eiQ-R900M Antibacterial
Vacuum Cleaner and Floor Mopping Robot
with self-charging home dock
USER MANUAL



Thank you for choosing ElectriQ
Please read this user manual before using this robotic vacuum cleaner
and keep it safe for future reference.
Visit our page www.electriQ.co.uk for our entire range of Intelligent Electricals

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FEATURES

ElectriQ brings you an easy to use robot vacuum cleaner that works both on hard floor surfaces and carpets and also can be used for wet light mopping operations. This is not just sweeper but a real vacuum cleaner with powerful suction and the latest dual side brush system.

You can now enjoy your personal time while the robot will clean for you.

Slim profile at only 7.9 cm height and 33 cm diameter this time saving device will get in hard to reach places, including under furniture where other robots or vacuum cleaners will fail to operate.

Simple operation with touch controls and adjustable cleaning timer also features and advanced remote control.

Easy to use due to automated cleaning pattern, your robot benefits from an advanced cleaning algorithm that ensure that maximum effective cleaning is achieved with minimum iterations. There are five advanced programs in operation that will advance from spot cleaning, identifying the walls, pattern cleaning, around the wall cleaning, systematic inline cleaning and even an under bed / sofa program. According to the set timer the programs will be intelligently combined for maximum cleaning efficiency.

Two extra-long side brushes around the outer edges ensure that dirt is gathered even from corners and borders. The middle suction vacuum will ensure dirt and debris are efficiently collected.

This robot features smart ultrasonic navigation sensors ensuring large 200 degrees beam in front of the robot to avoid collision ensuring it stops before bumping into objects. There are also cliff sensors that will stop the robot from falling of any steps. Great on hard floor and low and medium pile carpet will transition most of the hard floor / carpets setups. Easy to empty bagless side loading sealed dust container.

This antibacterial robot features an easy to clean HEPA filter and UV sterilisation that will improve air quality in your household during the cleaning operation.

SAFETY INSTRUCTIONS

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 Hz 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 appliances - 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.

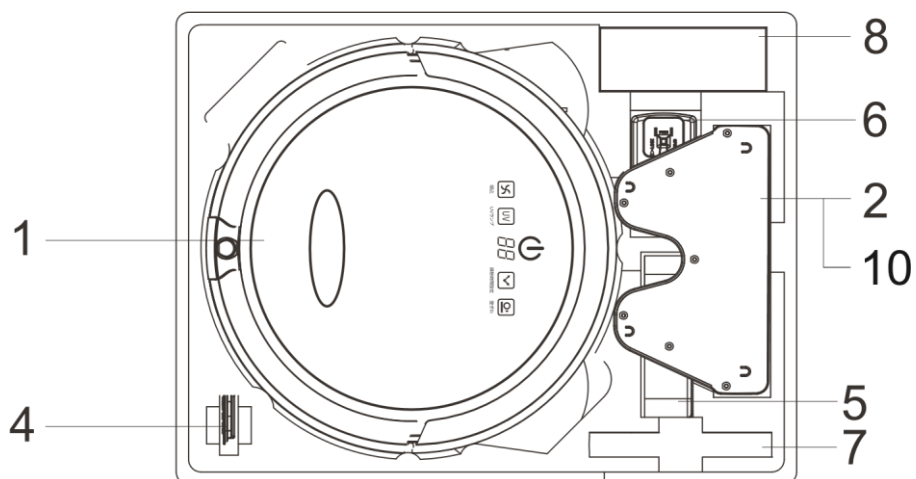
- Never operate this appliance if the cord or power supply is damaged. Ensure the power cord is not stretched or exposed to sharp object / edges.
- Do not use the appliance if any part or any accessory is damaged or defective.
- A damaged power supply should be replaced only with original parts from 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 original battery or charger from manufacturer, any third party components may damage the unit.
- Any service other than regular cleaning should be only performed by an authorized service representative. Failure to comply could result in a voided warranty.
- Do not use the appliance for any other purposes 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 you spilled liquids on the floor.
- Do not use to clean printer tonner 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.

Unit Safety Protection and Performance Tips

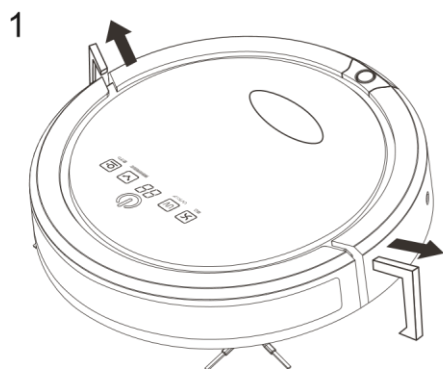
- Make sure unit is assembled correctly before use
- Charge for 24 hours before operating first time. If not using the robot for a long time please fully charge and remove the battery
- Clean robot and brushes regularly. Empty and vacuum the dust container
- If the robot become entangled, remove brushes, clean the debris and reassemble
- Do not look into the UV lamp or touch its bulb

Parts

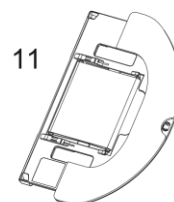
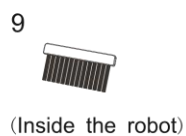
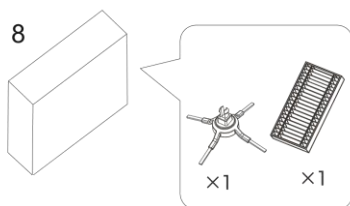
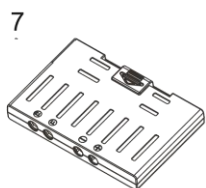
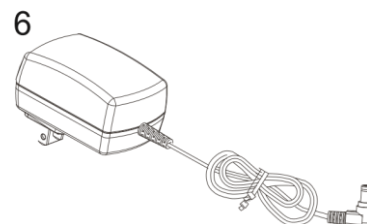
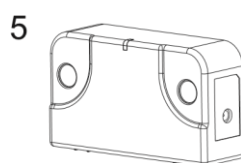
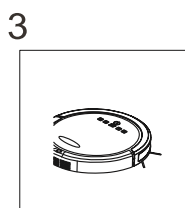
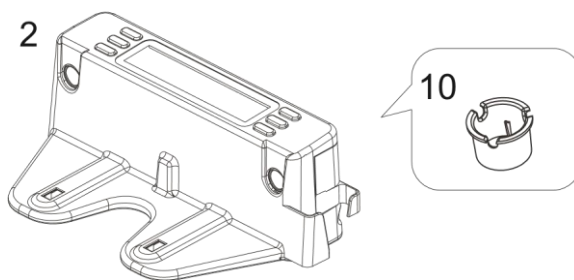
1. The Robot
2. Charging dock
3. User Manual
4. Remote Control
5. Zone divider
6. Power supply adaptor
7. Battery
8. Spare parts box
9. Cleaning brush
10. Hair Removal Tool (inside the dock)
11. Wet Mopping Base



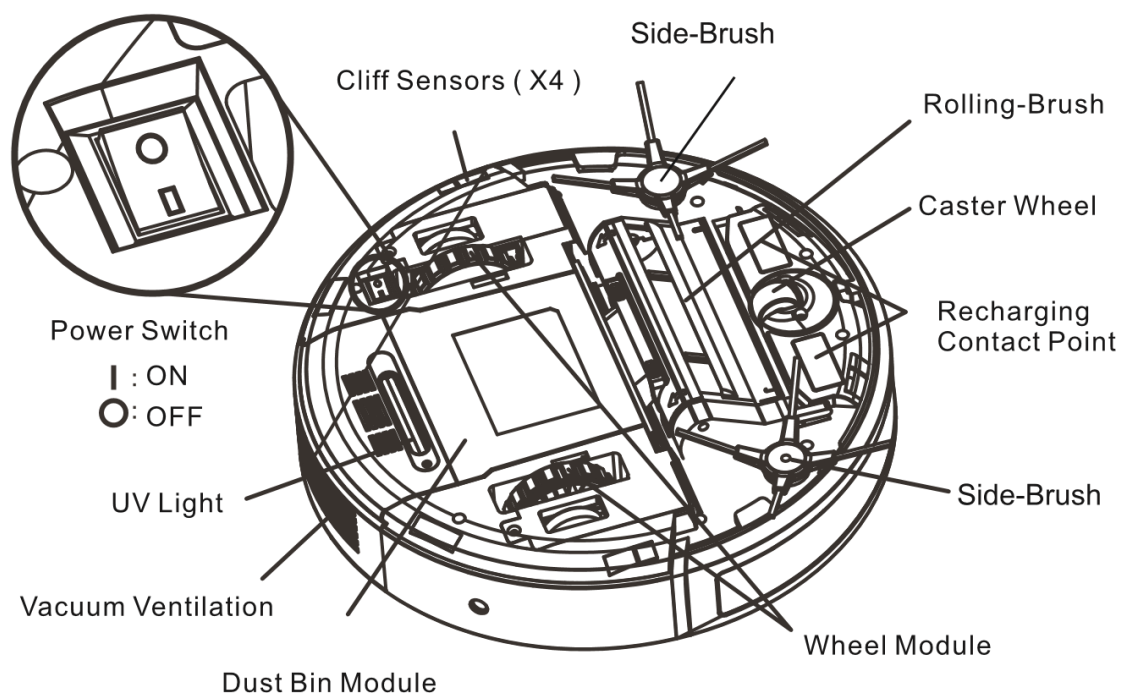
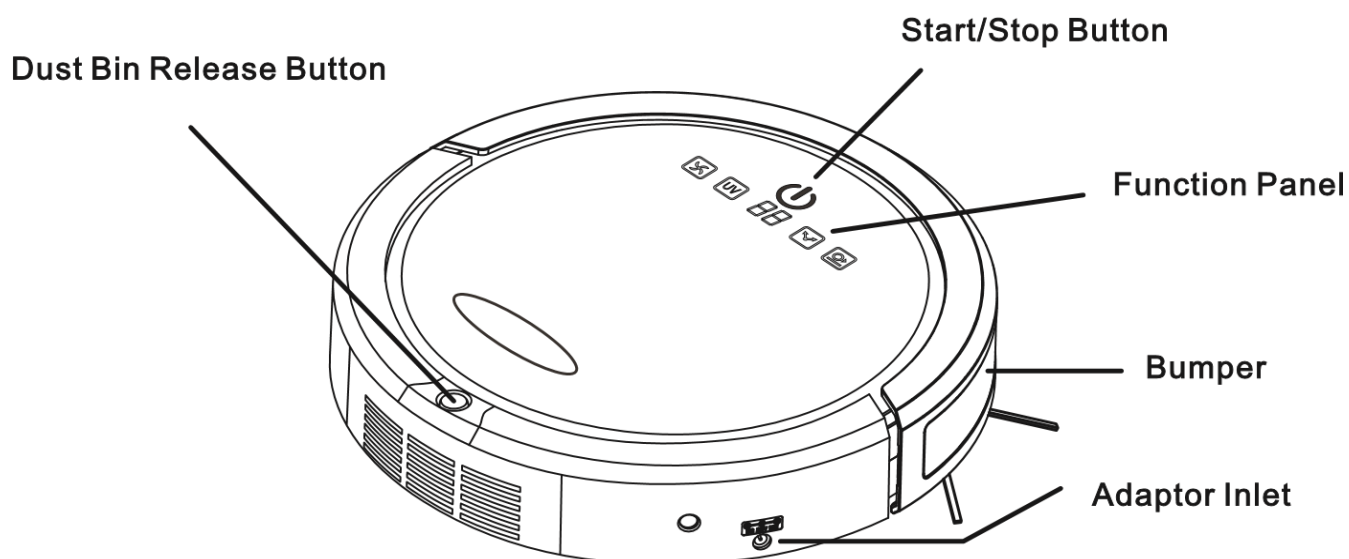
Assembly



※ Remove the protective strip



Functions



Features & Cleaning Modes

Robotic Features

1. Scheduler / Recharging Home Dock — Auto cleaning with scheduler & auto recharge when low on battery.
2. Ultrasonic navigation with obstacle detection
3. Ultrasonic collision detection
4. Anti-falling cliff detection sensor
5. Ultrasonic dirt / dust sensors — when is dirty area is detected, the robot will perform detail cleaning using spiral mode
6. Ultrasonic zone divider — can be use if needed to limit the access of the robotic vacuum cleaner in certain areas.
7. Remote

Cleaning Features

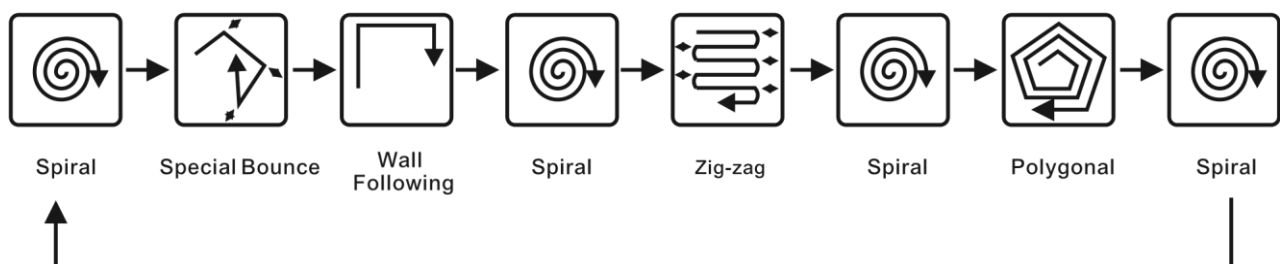
1. Side brushes and powerful suction inlet — powerful suction and full coverage of cleaning.
2. Floating Roller Brush — allows the roller brush and suction to stay close to the ground, covers all the dead spot while having full suction power.
3. Debris Filter & HEPA Filter — Debris filter holds normal debris and extends HEPA filter life span. High efficiency particulate air filter traps the fine particles which trigger allergy and asthma symptoms. Together with the UV light improves the quality of indoor air

4. Mop Track — fully use every part of the mop instead of just the edge of the mop
5. UV Light — sterilises the floor, exterminating bacteria and mites.
6. Wet Mopping Base — uses wet mop with mop track and reservoir first then is finished using the dry mop

Cleaning Modes

1. Auto Mode

Once the robot is activated without specific cleaning instructions, it will automatically execute the auto function by repeating the five different modes. The combination of different cleaning patterns will ensure the robot finishes the cleaning of any given space or area.



2. Manual Mode

Users can manually instruct the robot to perform any specific cleaning patterns depending on different spaces to be cleaned.

Notes:

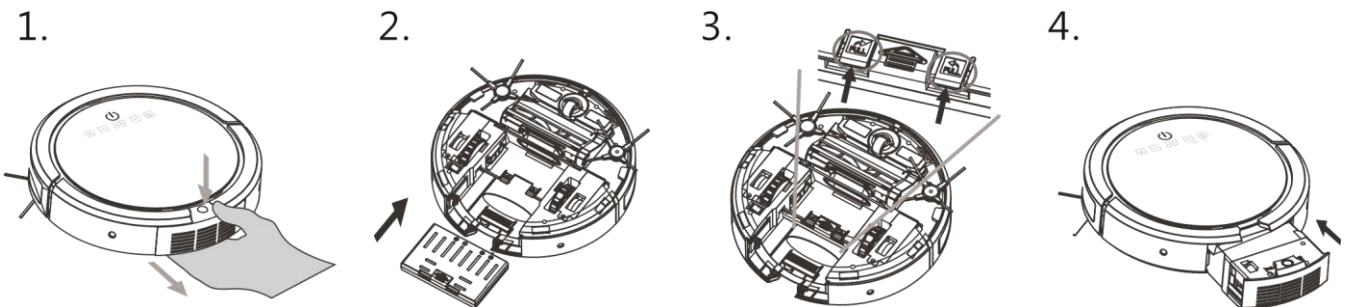
1. The robot is suitable for hard floor and low to medium pile carpet.
2. This robot is not suitable for very uneven surface. Do not use in long pile/tick carpet. Fold carpet fringes under the carpet before starting operation
3. Please note that this robot will collect dust and small particles. It will not clean paper, plastic bags and other large debris. It will get entangled in wires, so please declutter floor surfaces before using
4. Do not leave bottles, lamps or other breakables on the floor
5. Do not use in tight spaces less than 38 cm wide as the robot may get blocked
6. Do not use on wet or greasy dust.

Battery installation and charging

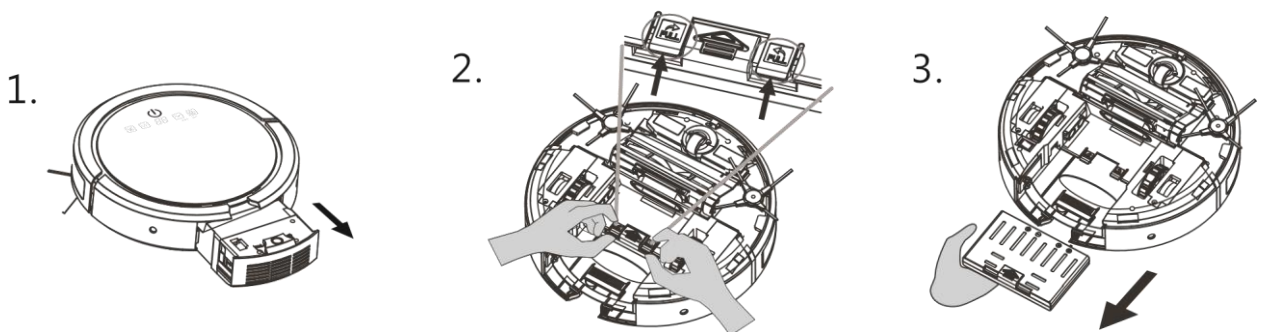
The robot battery is user replaceable. If the battery stops keeping its hold please re-order replacement from the manufacturer or service centre.

Battery Installation

1. When fully charged plug out the charger and power cord. An alarm sound will play.
2. Push the dust-bin release button and pull out the dust-bin. Flip the robot over, and push the battery into the slot.
3. Push the battery until clicks in.
4. Flip the robot over again, and insert the dust bin back into the body of the robot.

**Battery Removal**

1. Remove the dust-bin first and flip the robot over.
2. Push the two battery hook buttons simultaneously. The battery will pop out automatically.
3. Remove the battery



Charging

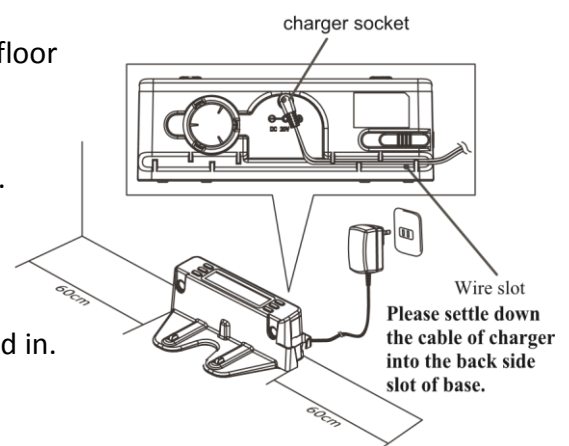
If the robot shuts down while working or the battery indicator flashes, please charge the robot immediately. When the robot completes its cleaning cycle or the battery level is low, the robot will return to its dock automatically if there is enough power left to do this.

1. Plug the charger in the power outlet. Insert the power cable into the docking station and place the robot to charge
2. The power plug can be inserted on the side of the robot. If the battery indicator flashes, it means the robot is charging normally.

Dock

The charging dock must be positioned on an even floor surface against a wall with at least a 60 cm (2 ft) clearance around. Connect the AC adaptor to the power socket on the rear side of the dock or robot. Only use the AC adaptor provided by the manufacturer.

The LCD display on the charging dock will turn on when it is plugged in. Always keep the dock plugged in.



Docking Test

Leave the robot on the floor somewhere near the dock. Press the "Home" button on the remote control. The robot will return to the dock automatically.

If the robot fails to dock, check the installation process to make the necessary adjustments to the docking station until the robot can dock properly.

Robot Battery Recharge

When the Power Button on the robot blinks red, this indicates that the battery level is low. The robot will shut down the vacuum engine and go back to the recharging home dock. The AC adaptor can plug into the robot directly to recharge the battery. When the battery is fully recharged, the Power Button will light up a solid blue. The recharging process is about 3 hours.

Robot Battery Care

High capacity rechargeable batteries are used in this robot. The batteries can last for hundreds of recharging cycles if it is properly cared for.

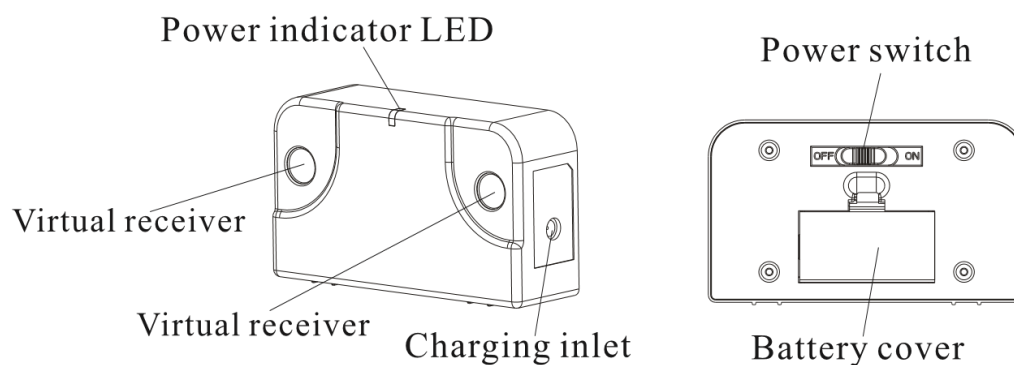
Recharge the battery as soon as the robot is used. Keep the robot charged when not in use.

If the robot will not be used for a longer period of time, remove the battery from the robot and store it in a cool and dry place.

Notes:

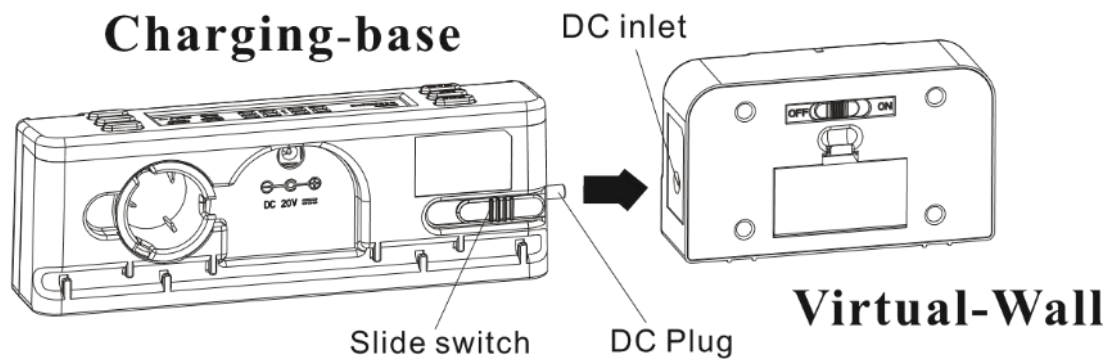
1. Charge the robot for at least 24 hours before the first use.
2. Each time the robot is fully depleted charge for at least 3 hours.
3. Never use the robot in temperatures less than 0°C or over 40°C as this will reduce the battery life and performance.
4. It is normal for the temperature of the charger to increase during the charging process

Notes: All the settings are disabled while battery is charging. LCD screen will be on and the timer and the battery icon is flashing and the charged percentage is showing.

Zone divider

The zone divider creates an invisible ultrasonic barrier that eiQ-R900M will not cross.

1. The zone divider is powered by 2 AA batteries. Make sure to install the AA batteries with correct polarity.
2. To turn on the zone divider, slide the power switch to "ON" position.
3. When turned on, the blue LED light blinks for 70 seconds, then turns into standby mode. When eiQ-R900M starts working, the Virtual Wall will turn on and shows blue LED light.
4. The best effective distance of Virtual Wall barrier is about 3M (10 ft).
5. The LED light will blink when the Virtual Wall is low on battery.

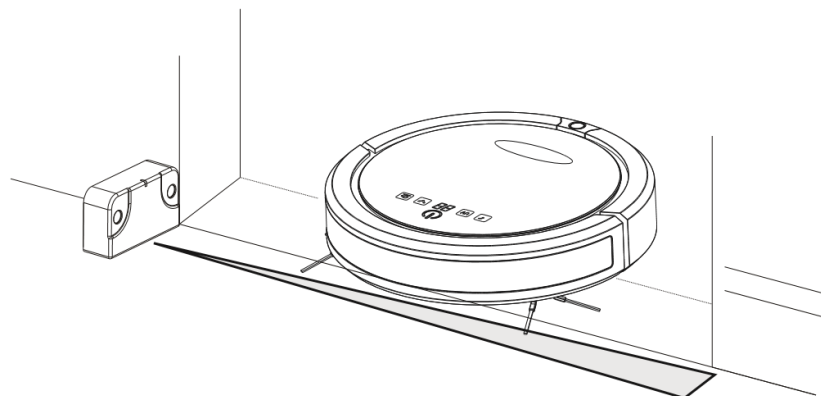


You can charge the zone divider battery by plugging the zone divider into charging base, please see the figure above.

Step 1: The power switch of Virtual Wall must set to "ON" position. Step 2: Press and slide out the DC Plug from charging dock.

Step 3: Plug the DC Plug into DC Inlet, the LED light will blink. Step 4: When recharge is complete, LED will glow continuously.

6. When eiq-RM900M is cleaning, the zone divider must position at least 1m (3 ft) away from charging dock and avoid facing towards it.

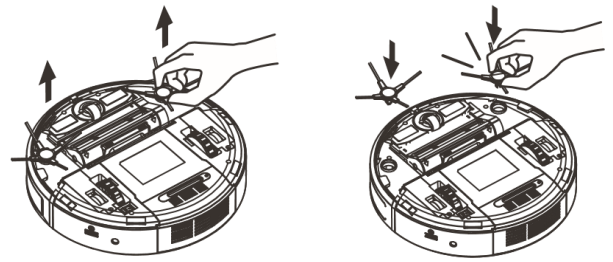


7. When the robot completes the cleaning cycle you can power off the zone divider by sliding the power switch to "OFF" position. When the robot detects the invisible barrier, it will turn around and move to another direction.

Spinning side brushes

Installation: Insert each side brush into the socket. Press it firmly until it is properly locked.

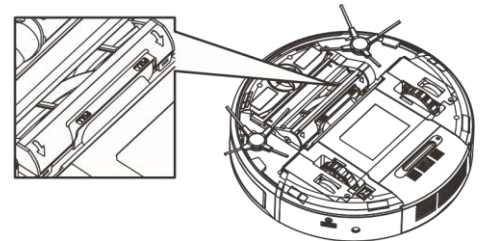
Removal: Pull the side brush from the bottom.



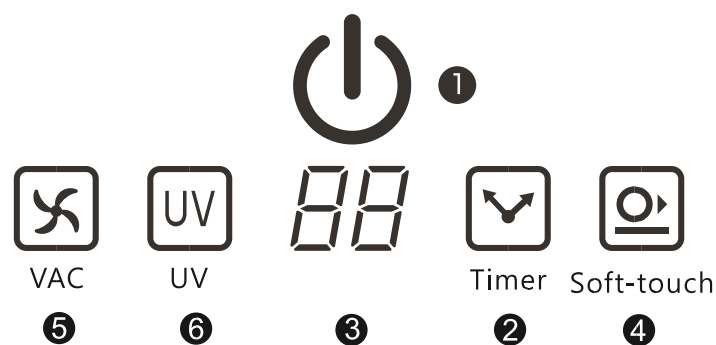
Rolling Brush

Installation: Insert the rolling brush, then press the “Push” button and close the cover.

Removal: Removal: Press the “Pull” button, then pull out the rolling brush.



Control Panel



Power Button:

Press the Power Button to activate the robot. The button will light up blue.

The power button light indicates the status of the robot and its system.

Power Button Light	System Status
Red led blinking	Battery Level is low
Blue led blinking	The battery is recharging
Solid Blue	The battery is fully recharged

1. Start/Stop Button:

Press this button and it will light up blue. The robot is activated to perform the cleaning cycle. Press the button again to stop the cleaning cycle.

2. Timer

Different cleaning time Settings options are available. Users may use their remote control to enter specific cleaning time settings (e.g. 10 mins, 20 mins, 30 mins ... 80mins etc.) the selected setting will be shown on the display. When the robot is activated the default cleaning time setting is the last previous time set.

3. Display of Timer/Cleaning Mode

There are several patterns that the robot uses during the cleaning process.

1. Spot Spiral
2. Special Bounce
3. Wall Following
4. Zig-zag
5. PolygonalSpiral
- A. Automatic (the combination of patterns 1-5)

The user may use their remote control to select a specific cleaning pattern. The number or letter "A" will be shown on the display.

When the robot starts to return to the charging dock, the letter "H" will be shown on the display.

Users may also interrupt the cleaning cycle by pressing the "Home" button on the remote control. When the command is entered, the robot will stop cleaning and go back to the dock.

4. Soft-touch

When this function is activated, the robot will slow down its moving speed in order not to collide with any objects when cleaning. This function is ideal on cluttered spaces.

5. Vacuum motor

The robot cannot perform the cleaning process without the activation of the vacuum motor function.

6. UV Light

UV light can be activated to sterilize the floor surface.

REMOTE CONTROL

All function buttons on the robot's front panel are available on the remote control. There are some additional unique buttons on the remote control shown below.



Power Button Press this button to activate or to shut down the robot.



Start/Stop Button Press this button to activate the robot to perform or to stop the cleaning process.



Direction Buttons Left/ Right/ Reverse/ Forward buttons for users to control the robot movement manually.



Timer Buttons set up the cleaning time.



Home Button this function interrupts the cleaning cycle and to commands the robot to go back to the home dock



Mode Button manually sets up the cleaning mode of the robot. Each press will command the robot to change its cleaning mode in the sequence of the following patterns. Users may also find the current pattern code on the robot's display panel.
1: Spot Spiral 2: Special Bounce 3: Wall Following 4: Zig-zag
5: Polygonal Spiral 6: Automatic (the combination of patterns 1-5)



UV Button press this button to activate or to shut down the UV light.



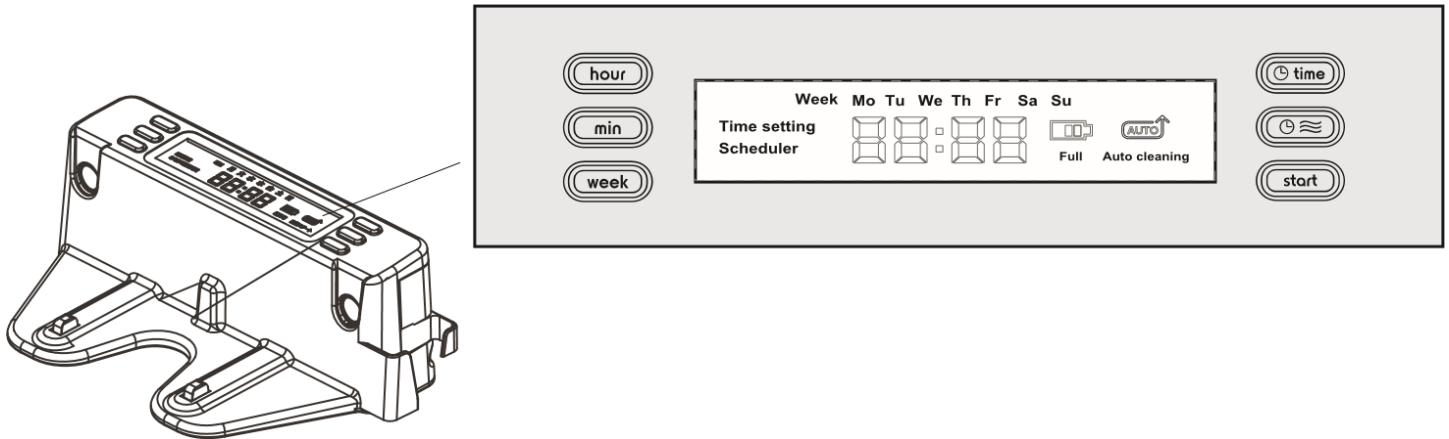
VAC Button press this button to activate or to shut down the vacuuming motor.



Soft-touch Button press this button to activate or to shut down the function.

1. Before the robot starts cleaning, it is suggested to clean up small items, like clothing, power cords, cables, and loose fringes of rugs
2. Check if the dust-bin is full and empty it out before starting the cleaning cycle
3. Press the Power Button to activate the robot
4. Use the remote control to set up the preferred cleaning time or cleaning cycle. The robot can clean a 6 to 8 square meters area in 10 minutes. However this ratio varies depending on types of floors and the complexity of the space.
5. Users may interrupt the robot's cleaning cycle at any time by pressing the Start/Stop button either on the robot panel or the remote control. By pressing the button again, the robot will resume the previous cleaning cycle.

Scheduling the robot



Users may program the robot to perform the cleaning cycle on any preferred day and time. This scheduling function is built— into the dock with the LCD display and several setting buttons. In order to perform this function, the docking station needs to be plugged in at all times.

Setting your local time

1. Press the button “Time” first. The LCD display will show “Time Setting”.
2. Press the “Week” button to choose the correct weekday.
3. Once the chosen weekday appears on the display, press the button again.
4. Follow the previous steps to complete the settings of “Hour” and “Min”.

Scheduling the robot

1. Press the "Schedule" button first. The LCD display will show “Scheduler”.
2. Press the "Week" button. The LCD display will show "Mo" (Monday) blinking.
3. If Monday is the chosen day, press the "Week" button again. Then Monday will be programmed in.
4. The setting function will automatically change to the next following weekday every 8 seconds. Press "Week" when the chosen day appears on the LCD display to complete the settings.
5. Follow the previous steps until you have finished all cleaning day settings.
6. Press the "Hour" button to complete the hour setting.
7. Press the "Min" button to complete the minute setting.
8. The schedule setting function will automatically quit if there is no input for more than 60 seconds.
9. When all settings are finished, the selected cleaning date and time will be shown on the LCD display.
10. After 10 seconds, the LCD display will go back to the clock display mode. Local current time will be shown on the display.
11. The selected cleaning date will remain on the LCD display while the selected time is NOT.

12. To check the programmed cleaning time, press and hold the "Schedule" button.
13. For changing or deleting the set schedule, repeat the previous setting process.

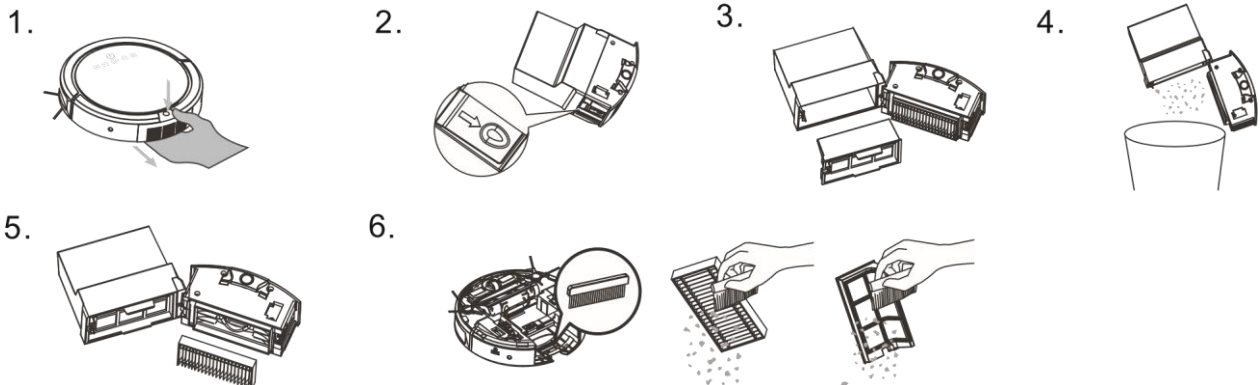
Auto Start

When the robot is docked and recharging.

1. Press the "Start" button. The LCD display will show "AUTO". The robot will start one cleaning cycle as soon as the battery is fully charged.
2. Press the "Start" button and hold it for 3 seconds. The robot will stop its recharging process and leave the dock immediately for one cleaning cycle

Cleaning and Maintenance

1. Make sure the unit is unplugged before performing any cleaning operation.
2. Before first use and continuing after each use, wipe off unit with a damp cloth and dry thoroughly.
3. Clean all the brushes and empty the rubbish container. Vacuum or wipe with a cleaning wipe the inside of the container.
4. DO NOT immerse the robot or the power supply in any liquid.
5. Reassemble the unit following the instructions and charge it before the next use.
6. Store the robot in a cool and dry place.



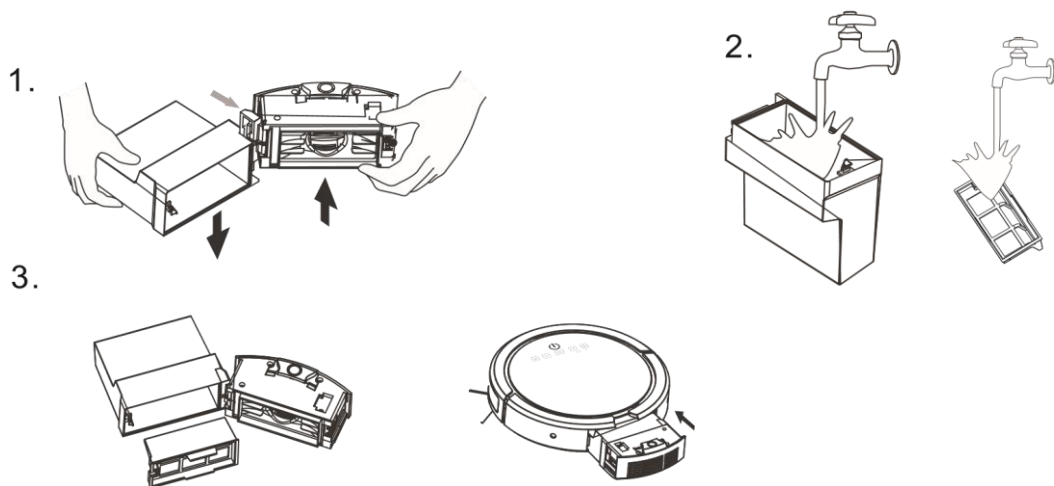
Dust bin and filter cleaning

Basic Cleaning

1. Press the Dust Bin Release Button to remove the dust-bin.
2. Press the side button to release the dust compartment.
3. Remove the debris filter.
4. Empty all dust and shake off all debris.
5. Remove the dust filter.
6. Use the included brush to wipe out the dust filter and debris filter.

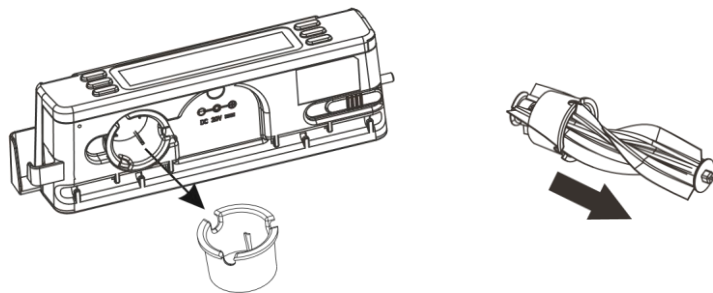
Deep Cleaning

1. Carefully separate the dust compartment from the robot body.
2. Gently wash the dust compartment and debris filter.
3. Wipe them thoroughly with a cloth and let it rest until completely dry



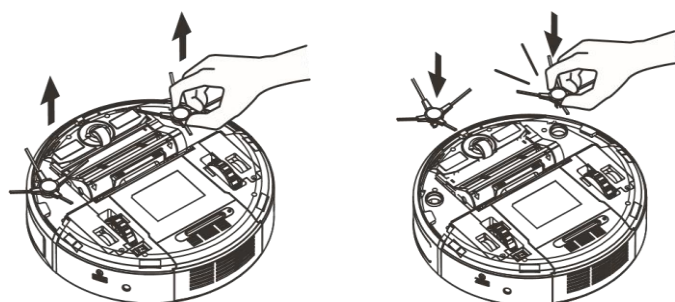
Rolling brush

1. Remove the Rolling Brush from its holder
2. Take out the cleaning tool included on the rear side of the dock
3. Slide the cleaning tool through the rolling brush



Side brushes

1. Remove the side brushes from their holders
2. Clean the side brush and install them back

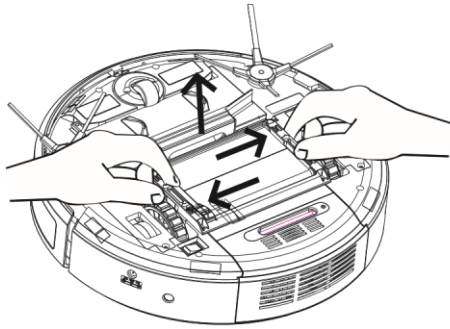


Wheels and Sensor

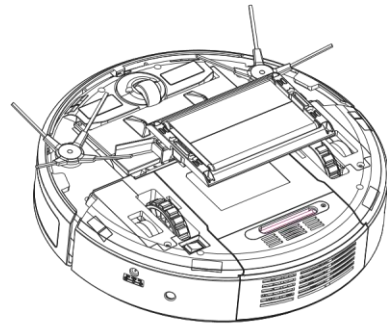
1. Check and remove all debris and dirt
2. There are four ground sensors. Please clean them gently using a wet cloth or tissue. Do not use any solvents as they may damage the sensors.
3. Please check the side brushes for damages and debris. If hair or other debris are trapped please unclick the brushes and remove them. Please change the side brushes if they are damaged. Only use the parts provided by the manufacturer.

Mop assembly

Only use the mop on hard surfaces such a wooden, laminate or tiled floors. Remove the mop attachment when cleaning carpets. Mop clothes are washable. Please wash at 40°C and do not spin dry.

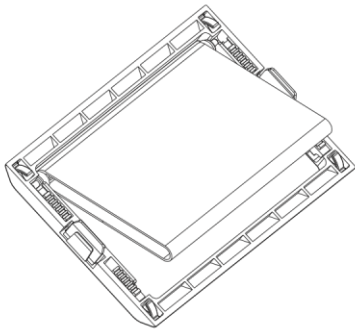


Using 2 hands push and lift in the same time.
Mop set has an arrow mark, follow its direction

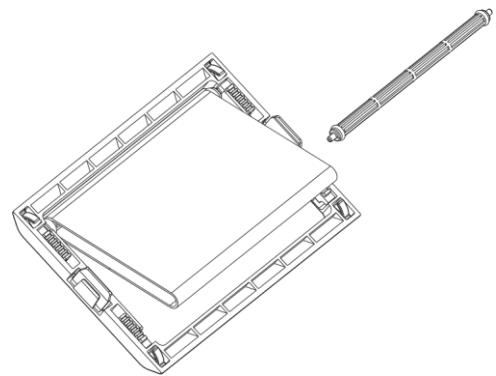


Remove the mop set

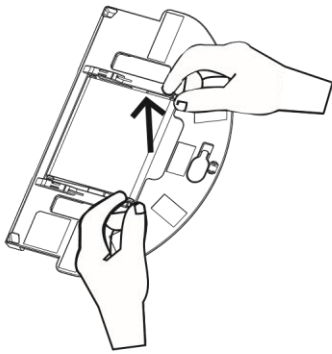
REPLACE THE MOP



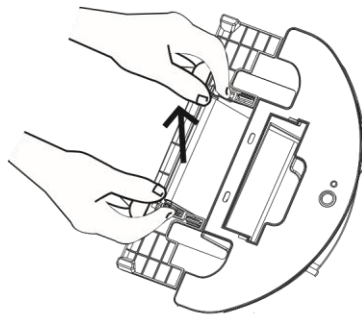
Push the two springs to take off the mop



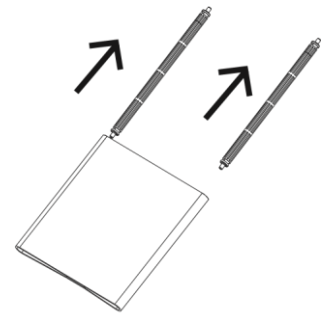
Pull out the roller



Remove the inner roller first.

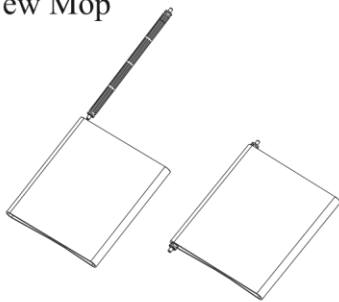


Remove the second roller.



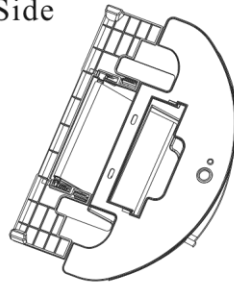
Take rollers out.

New Mop



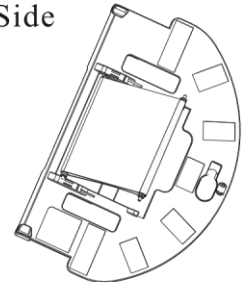
Insert the roller from one end of new mop.

Top Side



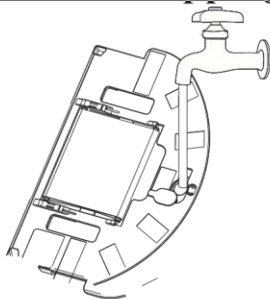
Place the wet mop through the base, and toggle the roller into the slots.

Bottom Side

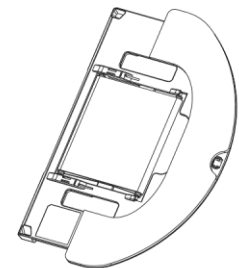


Insert the other roller through the mop. Toggle the roller into the slots.

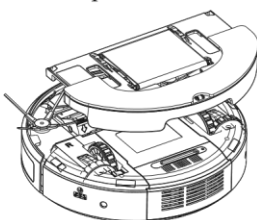
Install: Wet Mopping Base



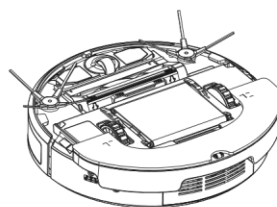
Open the fill cap and fill the reservoir with water. If needed, add small amount of mild cleaning solution to improve cleaning performance. Close the fill cap.



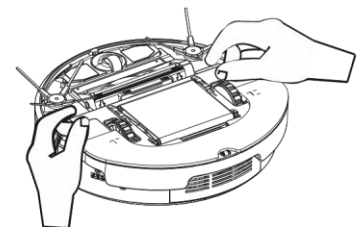
Place the dry mop along the Velcro and the edge of the base.



Make sure that there is no leak and dripping water. Then, align the mopping base with the machine.



Press the mopping base firmly, the wheels would go through the mopping base.



To remove the wet mopping base, lift from the “pull” area.

Troubleshooting

Please read this instruction manual carefully before you send the robot to the service centre

Problem	Cause	Solution
Error message	Sensor malfunction or system jammed	Check the error messages on next section for correct action
The Robot cannot power on	The battery is not installed or installed incorrectly	Check if the battery is still in good condition and installed correctly
Remote control malfunction	The transparent film is not taken off The battery is not correctly installed or the battery strength is too low	Tear off the transparent film Check the installation of the battery or replace the battery
The robot fails to return to the dock	The dock is not properly placed There are obstacles between the dock and the Robot The robot is stuck or jammed	Place the dock in a proper location and leave sufficient clearance space for the Robot to return to it Remove any obstacles in front of the dock Check and clean the Robot's wheels
The Robot does not charge	AC power is not plugged in. The Robot is not correctly docked The battery is over-heating	Plug the AC jacket onto the dock firmly. When the robot is docked, please make sure the Robot is properly placed. Do recharge for at least 60 minutes until battery cooled down.
Rolling brush or side brush do not work	Brushes get stuck by debris or hair	Clean the brushes
The Robot does not start cleaning after it is fully recharged	The "Auto" function is not set correctly. The battery is over-heating	Check the schedule setting section and reset the "Auto" function Do recharge for at least 60 minutes until battery cooled down.
The Robot keeps moving backward or turning around	Cliff sensors are blocked or covered by dust	Wipe all sensors with a dry clean cloth.

Errors Codes

Error Message	Suggested Actions
E1 Front Cliff Sensor	The robot might be trapped in a specific area where there are stairs or floor edge.
E2 Charging Error	Please refer to the correct installation process of the charging dock and try it again
E3 Front Bumper Error	The robots front bumper is stuck. Check the front bumper
E4 Battery Over-Heating	Stop using the robot for at least 60 minutes and then restart it again. If the message still shows up, please contact your local warranty centre provider.
E5 Left Wheel Overloaded	Check the left wheel, and remove any objects stuck
E6 Right Wheel Overloaded	Check the right wheel, and remove any objects stuck
E7 Side Brushes Overloaded	Check both side brushes to remove any jammed objects or debris
E8 Rolling Brush Overloaded	Check the rolling brush to remove any jammed objects or debris
E9 Vacuum Motor Overloaded	Stop using the robot for at least 60 min and then restart it again. If this message still shows up, please contact your local warranty centre provider
Dust-BinFullReminder 00	When dust bin is full, the error message display will show 00. Please clean up the dust bin prior to the use of the robot again.

Product specifications

Power supply	Input: 100-240VAC 50-60Hz, 1 A Output: 20V DC, 1 A
Rechargeable battery	NIMH 14.4 V, 2200MAH
Charging time	2.5 hrs
Operating Time	Max 90 min.
Cleaning Efficiency	99.8%
Dustbin capacity	0.6 l
Cleaning area diameter	360 mm
Dimension (wxdxh)	330x330x79 mm
Net weight	2.5 kgs



Disposal: Do not dispose this product as unsorted waste. Collection of such waste must be handled separately as special treatment is necessary.

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 civic amenity 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.

ElectriQ UK SUPPORT

www.ElectriQ.co.uk/support

If the unit still fails to operate call: 0871 620 1057

or complete the online form

Office hours: 9AM - 5PM Monday to Friday

www.ElectriQ.co.uk

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