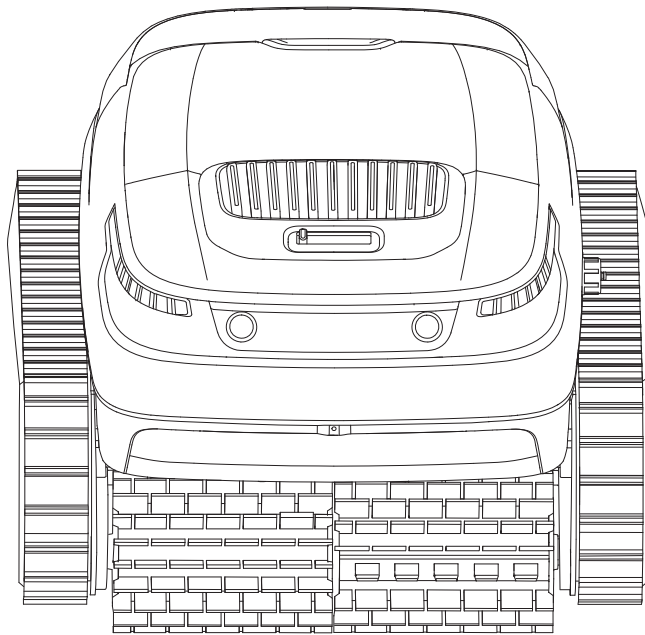


Robotic Pool Cleaner

User Manual



Please read this manual carefully before using the product and store the manual properly.

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1. WARNINGS

Thank you for purchasing our Robotic Pool Cleaner.
Please read this manual carefully before using the product for the first time and keep this manual for future reference.

- This product is intended for domestic use only and not for commercial or industrial purposes.
- This product has undergone rigorous testing before leaving the factory, including underwater testing. Therefore, there may be a small amount of water droplets or dirt remaining inside, which will not affect the operation of the product. Please feel free to use it normally.
- Do not operate the device when people or animals are in the pool.
- Please fully charge the robot before using it for the first time.
- Use only the adapter provided with the product for charging. Never use a third-party adapter. Do not use extension cables under any circumstances. Keep the product away from combustible materials when charging.
- Do not use a damaged power adapter to charge the product. A damaged power cord must be replaced by the manufacturer, a service agent, or personnel with similar qualifications. Never try to repair a damaged power cord by yourself. If repair is required, contact us.
- Make sure that the charging port is dry before connecting the product to the power supply.
- Please charge the product in a safe place away from water.
- Ensure that the power outlet is protected by a ground fault interrupter (GFI) or a ground leakage circuit breaker.
- Do not charge or use the robot when any abnormality is detected. Please contact customer service.
- This robot is not intended for use by people with reduced physical, sensory, or mental capabilities or lack of experience and knowledge (including children) unless they have been given supervision or instruction for using the robot by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the robot.
- Cleaning and maintenance must not be performed by children without supervision.
- All packaging materials should be disposed of properly and kept away from children and pets.

- This product contains a non-replaceable battery. Do not disassemble the battery. When the battery life ends, the robot should be disposed of properly.
- Do not attempt to repair or modify any part of your product. All repairs must be done by qualified personnel only. No user-serviceable parts are included. If repair is required, contact us.
- This product must be serviced by a qualified professional with sufficient experience in the installation and maintenance of swimming pool equipment so that all instructions in the complete installation and operation manual can be accurately followed. Be sure to explicitly follow all safety instructions in the complete manual to prevent the risk of injury. No user-serviceable parts are included. Please contact us when you need repair services.
- Before cleaning or maintaining the robot, be sure to unplug the power plug from the power outlet.
- Do not pierce the robot casing with nails or other sharp objects. Do not hammer, impact, or throw the robot.
- Do not expose the product or battery to excessive temperatures.
- Be sure to remove the battery from the robot before recycling or disposing of the robot. When removing the battery, always disconnect the robot from the power supply.
- Please dispose or recycle used batteries in accordance with local administrative regulations. Consult a professional recycling agency if necessary.
- The oil sealing around the motor contains grease, which may cause a small amount of water pollution if the motor is damaged. If you believe there is a leak, stop using the product immediately.
- The charging position of the product should be at least 3 meters away from the edge of the pool
- Only use the robot under the following water conditions:

Chlorine	Max 4 ppm
PH	7.0-7.4
Temperature	5-35°C (41-95°F)
Sodium chloride	Max 5000 ppm

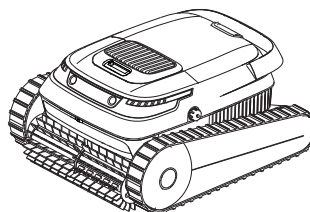


Before charging, read the instructions.

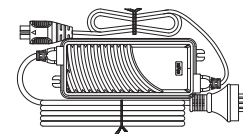


Maximum operating depth: 2.5m.

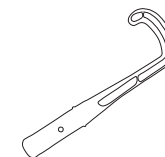
2. Packing List



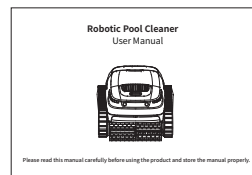
Robotic Pool Cleaner
(With built-in filter) × 1



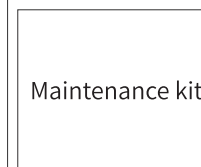
Power adapter × 1



Hook × 1



User manual × 1

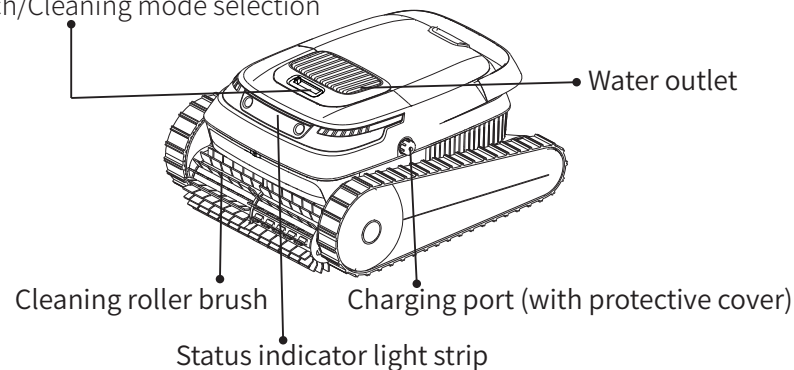


Maintenance kit

Maintenance kit × 1
Including:
Gasket × 4pcs.
Self-tapping screw 1 × 2pcs.
Self-tapping screw 2 × 4pcs.
Circlip × 4pcs.
Rubber strip × 1pcs.

3. Product Overview

Switch/Cleaning mode selection

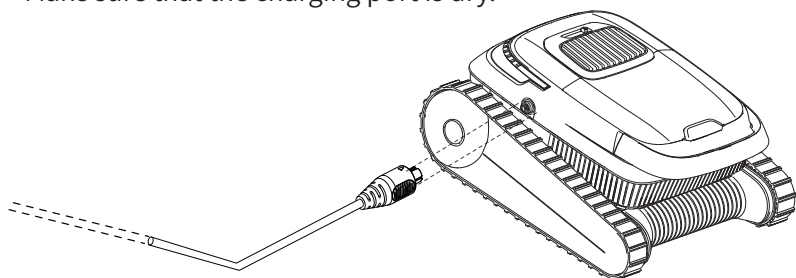


Applicable pool size	swimming pool of 1,076 square feet (100 square meters)
Pool depth	0.5-2.5 m (1.64-8.2 ft)
Robot dimensions	488 × 419 × 237 mm/19.2 × 16.5 × 9.3 inches
Robot weight	9.9 kg/21.8 lbs
Charger input	100-240 V~50/60 Hz
Charger output	29.4 V $\equiv$ 3 A
Robot input	29.4 V $\equiv$ 3 A
Lithium battery capacity Max	5,200 mAh
Battery life	2 hours
Charging time	2.5 hours
Filter density	150 μ m
Moving speed	10-15 m/min (32.8-49.2 ft/min)
Waterproof rating	IP68
Storage temperature	-20°C to +45°C
Model	PC20,PC21,PC22,CP40,CP41,CP42,QD40,QD41,QD42

4. Instructions for Use

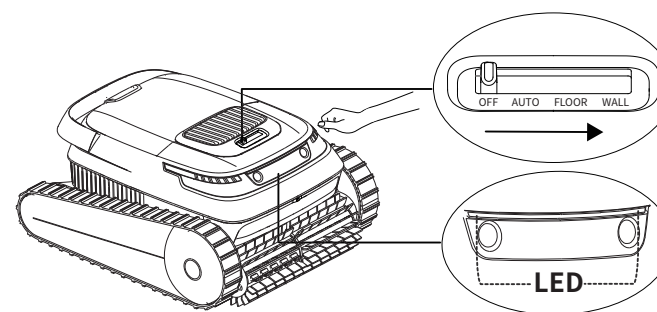
4.1 Charging

- Please fully charge the robot before using it for the first time.
- Remove the robot from the pool and turn it off.
- Make sure that the charging port is dry.



4.2 Power and status indicators

LED Color	Status
Green	Sufficient battery
Blue	Insufficient battery
Yellow	Very low battery
Red	Fault



4.3 Downloading the App

- Search for "Airrobo" in your devices App store, download, and install the App on your mobile.
- Start the App and register. Then log in to the App using the data that you provided during registration.

4.4 Network Setup

- Before adding a device, please confirm the following:
 - Be sure the "Location" in your phone is turned on and allow the App to access the location.
 - Your phone supports Bluetooth, and Bluetooth is activated.
 - The phone is within 20 ft/6m of your new device.
 - Plug in the charger to put the machine into charging.
 - Turn to "Wall" mode within 10 seconds and keep it for more than 3 seconds.
 - The light flashes white quickly indicate it has reset and entered pairing mode.

- b. Tap the "+" in the top right corner of the App's homepage, select "Add Device", and follow the instructions to add the device.
 - c. After adding the device, you can configure and view your device and features in the Airrobo App.
- Note: All features of your device will only be accessible while your device is out of the water. Once submerged, you will lose connection and cannot control your device via the App.

4.5 Reset the device

Attention: if the reset is confirmed, it will erase all settings, including the Bluetooth connection history.

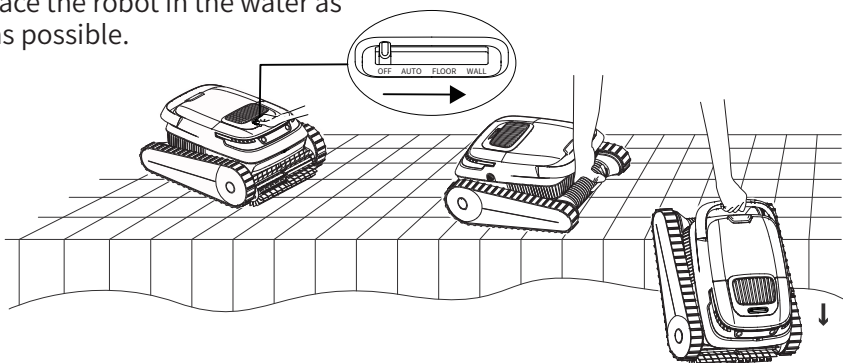
- a. Plug in the charger to put the machine into charging.
- b. Turn to "Wall" mode within 10 seconds and keep it for more than 3 seconds.
- c. The light flashes white quickly indicate it has reset and entered pairing mode.

4.6 Cleaning Mode

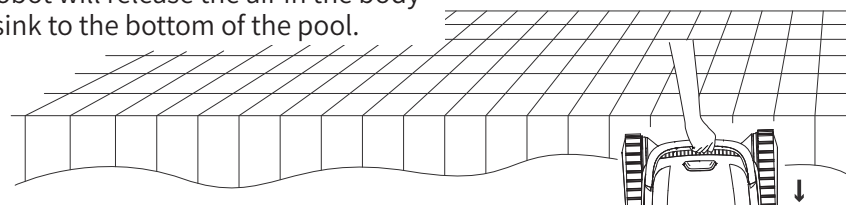
Cleaning Mode	LOGO	Cleaning Area
Intelligent cleaning	AUTO	Clean the floor/wall/waterline
Floor cleaning	FLOOR	Clean only the floor
Wall cleaning	WALL	Clean the wall and waterline

4.7 Placing the robot into the water

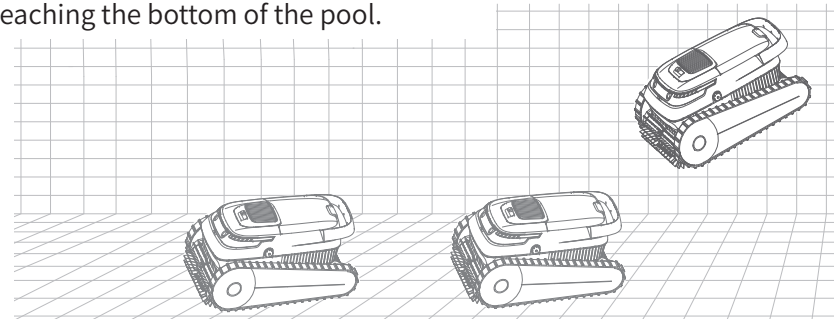
- ① Select the desired cleaning mode, and place the robot in the water as soon as possible.



- ② Slowly put the robot into the water. Then, the robot will release the air in the body and sink to the bottom of the pool.

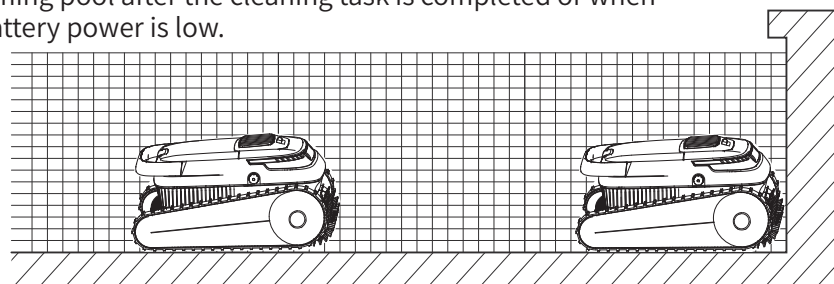


- ③ The robot will start working within 60 seconds after reaching the bottom of the pool.

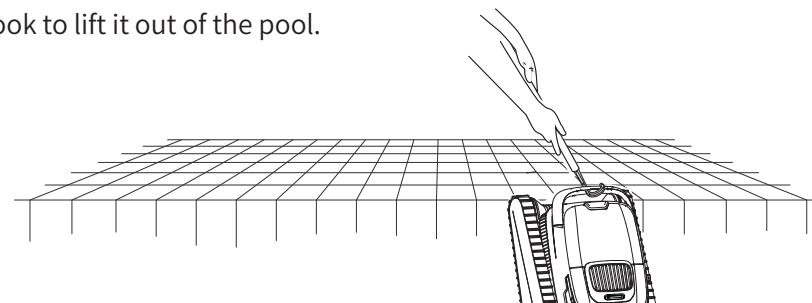


4.8 Taking out of the swimming pool

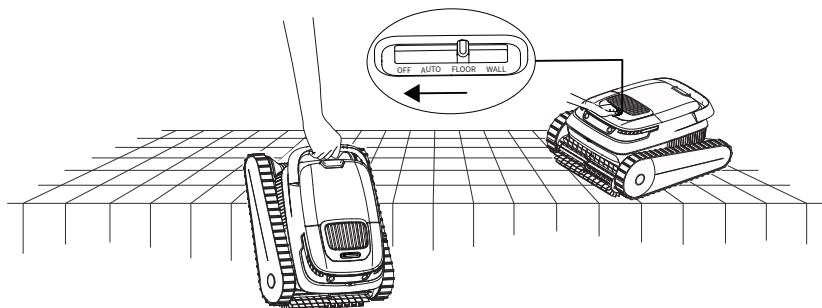
- ① The robot will automatically stop at the bottom edge of the swimming pool after the cleaning task is completed or when the battery power is low.



- ② Use a hook to lift it out of the pool.



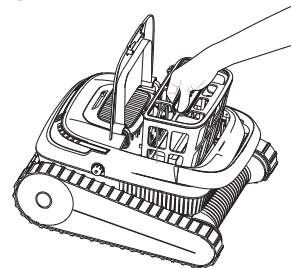
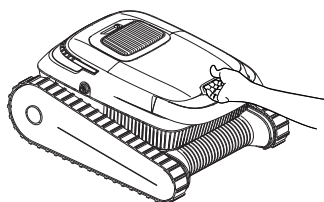
- ③ Remove the robot from the pool and turn it off.



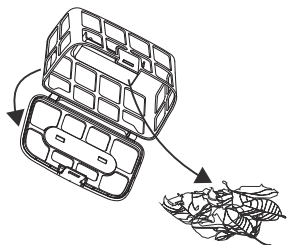
4.9 Cleaning the filter basket

We strongly advised cleaning the filter basket after each cleaning task.

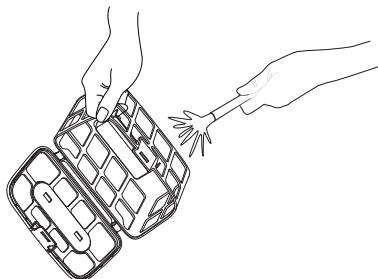
- ① Open the robot compartment cover. ② Remove the filter basket.



- ③ Open the filter basket cover and remove the debris.



- ④ Rinse the filter basket.



Note: Please clean the filter basket in time. A clogged filter can affect the overall cleaning performance of the robot, making it difficult to generate suction or trap dirt and debris in the filter basket. If cleaning has no effect, the filter basket needs to be replaced.

5. Daily Maintenance

For optimal product performance, follow these instructions to maintain the robot.

5.1 After daily use

- Clean the robot and filter basket after each cleaning.
- Keep away from direct sunlight.
- Make sure that the charging port is dry before charging.

5.2 Every 3-4 months or after a deep cleaning cycle (when the pool is dirty)

- Check to make sure that there is no debris in the roller brushes, tracks, and gears.

5.3 Every 12 months or when the robot is found to be working/rotating slowly

- Check the tracks and roller brushes for wear. If they are worn, replace them.

6. Off-season Storage

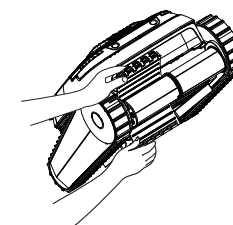
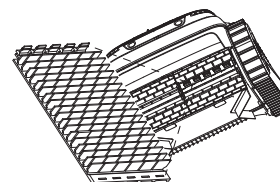
If the robot will not be used for a long time, perform the following storage steps:

- Thoroughly clean and dry the filter basket, roller brushes, and tracks.
- Ensure that there is no residual water in the cleaner.
- Fully charge the robot before storage. Place it in a well-ventilated, cool place with a temperature between 5°C and 45°C (41°F and 113°F) and a humidity below 80% RH. Avoid direct sunlight, rain, or frost.
- The battery should be charged at least every 3 months to prevent over-discharge.
- Do not leave the robot within the reach of children or people with reduced physical, sensory, or mental capabilities or lack of experience and knowledge unless they have been given supervision or instruction.

7. Parts Replacement

7.1 Roller brush replacement

- ① On the back of the roller brush belt, peel off the silicone buckles fixing the mounting grooves.
- ② Remove all the silicone buckles, replace the roller brush belt with a new one, align the silicone buckles with the mounting grooves, and press the buckles to fix them in the grooves.

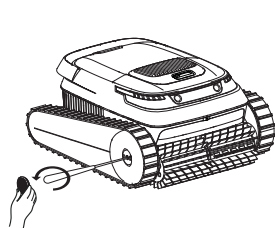


7.2 Track replacement

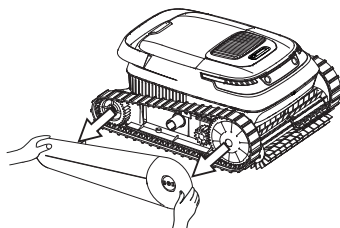
① Remove the side panels:

Remove the two screw covers. Using a Phillips screwdriver to unscrew the two screws holding the side panels and track panels in place. Remove the side panels and track panels and set them aside.

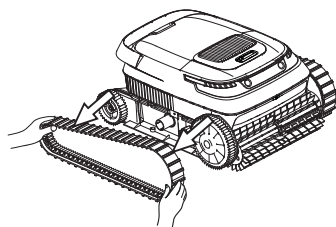
② Clean: Clean the inside of the side panels and dry them with a paper towel or cloth.



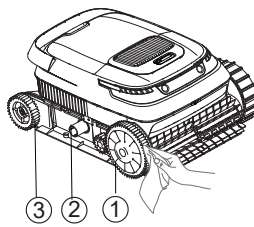
Remove the screw cover and unscrew the screws.



Remove the side panels



Remove the tracks.



Clean the inside of the side panels

8.FAQs

If an issue persists after the suggested solutions are implemented, contact customer support for assistance.

Issue	Possible Causes	Solutions
The robot does not charge.	• The power outlet has no power.	• Check whether the power outlet is working.
	• The power cord is not properly connected to the power outlet.	• Check the connection between the power cord and the power outlet.
	• The connection between the power adapter and robot is loose.	• Check the connection between the robot and the adapter.

The robot does not charge.	• The power adapter does not work.	• Check whether the charging LED is displayed when the adapter is connected to the robot. If not, replace the charger.
	• Water entered the charging port.	• Dry the charging port and try charging again.
The robot does not work or the indicator does not turn on.	• The robot does not have enough battery.	• Use the robot after fully charging it.
	• The robot switch fails.	• Try turning the robot off and on again.
The robot does not climb walls.	• The battery is low.	• Use the robot after fully charging it.
	• Check whether the robot works in floor cleaning mode and cleans only the floor.	• Switch to wall cleaning mode.
	• The filter basket is clogged.	• Clean the filter basket.
	• There is algae on the wall and the pH value is not right.	• Check the levels of chemicals in the water. Poor water quality can allow algae to grow, making walls slippery. In this case, adjust the water quality and scrub the walls.
	• The tracks and/or roller brushes are worn.	• Replace the tracks and/or roller brushes.
The robot moves in circles.	• The filter basket is clogged.	• Clean the filter basket.
	• Debris gets stuck on the tracks or roller brushes.	• Remove debris from tracks or roller brushes. See page 5 for parts replacement instructions.
The robot stops underwater and the fault indicator indicates that the motor or water pump is blocked.	• Debris gets stuck on the tracks or roller brushes.	• If the motor is stuck, check whether the left/right track can be manually rotated. If not, check for obstructions on the track.
	• Debris blocks the water pump motor impeller.	• If the water pump motor is stuck, check for obstacles on the impellers.

There are water droplets and dirt in the newly purchased robot.	· Every robot has undergone rigorous testing before leaving the factory, including underwater testing. Therefore, there may be a small amount of water droplets or dirt remaining inside. Please feel free to use the robot normally. motor impeller.	· This does not affect the operation of the robot.
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9. Declaration of Conformity

9.1 FCC compliance statement

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

9.2 FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

9.3 IC Radiation Exposure Statement

. This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body,. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

.Cet équipement est conforme aux limites d' exposition aux rayonnements de la IC établies pour un environnement non contrôlé. Cet équipement doit être installé et fonctionner à au moins 20cm de distance d' un radiateur ou de votre corps. Cet émetteur ne doit pas être co-localisé ou fonctionner en conjonction avec une autre antenne ou un autre émetteur.

9.4 ISED TO CANADIAN USERS

CAN ICES-3(B)/NMB-3(B)

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).

Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

This Class B digital apparatus complies with Canadian ICES - 003.

This device complies with RSS - 247 of ISED. Operation is subject to the condition that this device does not cause harmful interference.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) L'appareil ne doit pas produire de brouillage;
- (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet appareil numérique de la Classe B conforme à la norme NMB - 003 du Canada.

Cet appareil est conforme à la norme RSS - 247 d'ISED. Le fonctionnement est soumis à la condition que cet appareil ne provoque pas d'interférences nuisibles.

Warranty Card

Your product is warranted against original defects in materials and workmanship for certain period of time (stated in below form) from the date of purchase, when used in accordance with the User Manual. Within the stated warranty period, we will repair or replace, at its sole option, any appliance or parts thereof which prove defective at no charge to you. Repaired and replacement shall assume the identity of the original for the purposes of this warranty.

In case you have a problem with your product and to obtain performance of this warranty, please fill in below form and send it back to the Customer Service Emails stated in below.

Model Name		Date of Purchase (DD/MM/YY)	
Serial Number*		Warranty Period	1 year
* The unique serial number can be found at the bottom of the product.			
Customer Information	Address		
	Name		
	Email		
Purchase Information	Store Name		
	Order Number*		
	Received as a gift?	Yes ☐	No ☐
	* When purchased from an online store		

Please note: To help us ensure you receive prompt and efficient service, please make sure to complete the above form before sending it back to us.

WHAT IS NOT COVERED

We shall not be liable for costs, damages or repairs incurred as a result of, due to, or from:

- Purchases of product from unauthorized dealers.
- Careless operation or handling, transportation, misuse, abuse and/or lack of maintenance or use not in accordance with the User Manual.
- Use of the product other than for normal domestic purposes, e.g. for commercial or rental purposes.
- Use of parts and accessories other than those produced or recommended by us.
- External sources such as weather, electrical outages or power surges.
- Repairs or alterations carried out by unauthorized parties or agents.
- Normal wear and tear.
- Reduction in battery discharge time due to battery age or use (where applicable).
- Additionally, this limited warranty does not apply to any machine that has had the serial number altered or removed, or the completed Warranty Card can not be presented.

Customer Service Emails: support.airrobo@ubtrobot.com.

Hotline: +1 859-955-8668(English)

Please note: All your information will remain strictly confidential.

Description of required service: _____



Best Epoch Technology Co., LTD

2201, Block C1, Nanshan I Park, No. 1001 Xueyuan Road,
Nanshan District, Shenzhen City, China P.R

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The pictures of the product are for reference only and subject to change without notice.

MADE IN CHINA

USA

Customer Service: support.airrobo@ubtrobot.com
Hotline: +1 859-955-8668(English)
Working Hours : 9AM - 5PM EST (Working Day)

Europe

Kundenservice: support-eu@ubtrobot.com
Hotline: +49 800 0001392 (Deutsch & English)
Öffnungszeiten: 9 Uhr bis 17 Uhr (Werktag)