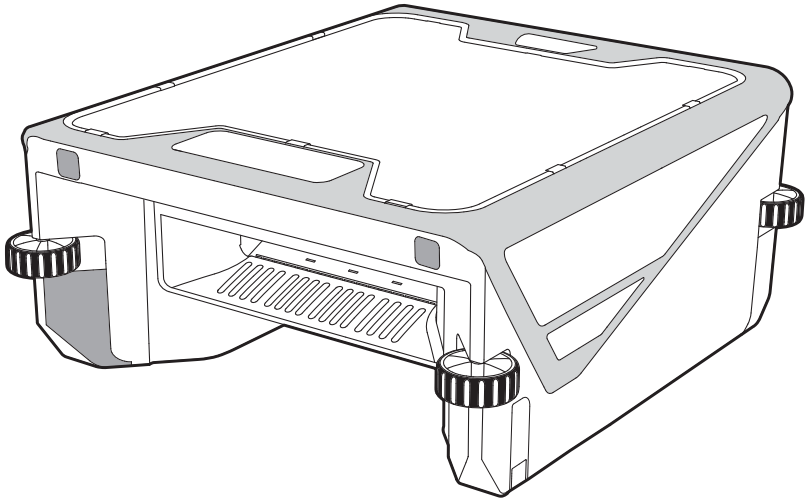
iYARD



iYard Robotic Pool Skimmer X2 Series

USER MANUAL

Please read this manual carefully before installing and operating your pool skimmer, and keep this manual for future reference to ensure safe and effective use.

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1 INTRODUCTION

Thank you for choosing the iYard Robotic Pool Skimmer X2 Series. This guide leads you through setup, operation, maintenance, and support—so you can dive in and enjoy crystal-clear water.

2 SAFETY INSTRUCTIONS

2.1 WARNINGS AND CAUTIONS

Please read this manual carefully and operate the X2 Pool Skimmer Robot according to the instructions. iYard shall not be liable for any loss, damage, or injury caused by improper use of this device.

To ensure safe operation and achieve the best performance from the device, please take a moment to review and follow these guidelines.

2.1.1 SAFETY CONSIDERATIONS

- Do not operate the robot when people or pets are in the pool.
- Do not allow children to ride on or play with the robot. The skimmer robot is not a toy. Accidental activation may cause injury.
- Ensure children and pets are kept at a safe distance while the robot is operating.
- Always power off the robot before removing it from the pool or performing any maintenance.

2.1.2 GENERAL WARNINGS

- Do not drop, puncture, strike, or otherwise damage the robot. Such actions will void the warranty.
- Use only the supplied power adapter for charging.
- Do not use the supplied power adapter to charge other devices.
- Do not modify, repair, or service the X2 Pool Skimmer Robot yourself or through unauthorized service providers. Doing so may void the warranty.
- If the power cord is damaged, contact after-sales support immediately. Do not attempt to repair the robot yourself.

- Ensure the charging port is dry and the robot is powered off before connecting the DC charging adapter.
- Charge the robot in a cool, dry place, and do not cover it during charging to prevent overheating.

2.1.3 PRECAUTIONS FOR USE

- When placing the robot in the pool, ensure it is positioned right-side up.
- Keep the solar panel away from sharp or heavy objects to avoid surface damage. Do not clean the solar panel with a pressure washer.
- Remove the robot from the pool during adverse weather conditions, such as heavy rain, strong winds, or thunderstorms, to prevent damage.
- This product is not designed for use in freezing water. Store the robot in a cool, dry, frost-free place during the off-season.

2.2 CLEANER FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is

subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

Caution: Any 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.

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

This equipment complies with radiation exposure limits set forth for an uncontrolled environment.This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

2.3 REMOTE CONTROL FCC 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.

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 of the following measures:

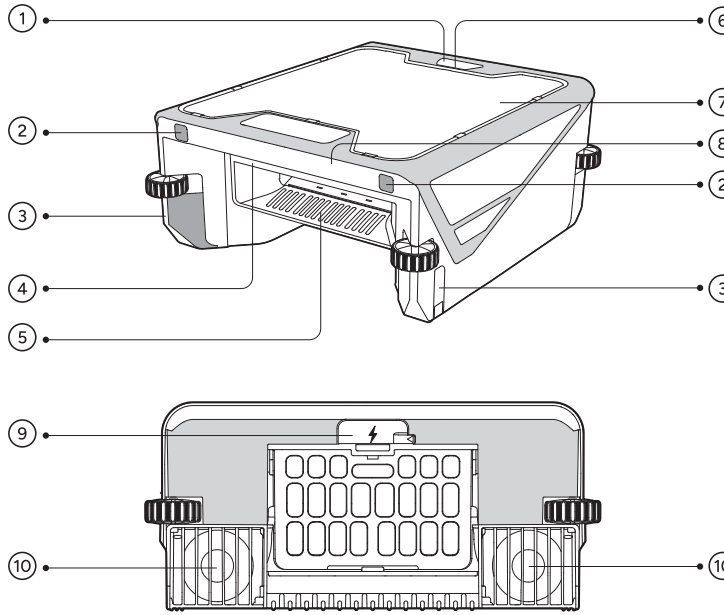
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

3 PRODUCT DETAILS

3.1 PRODUCT OVERVIEW



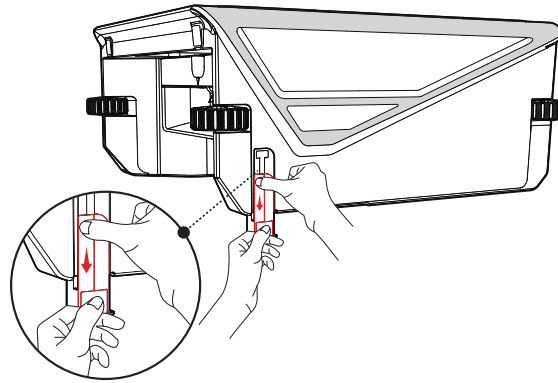
① Power Button	② ToF Sensor	③ Anti-Stranding Posts
④ Impeller	⑤ Debris Basket	⑥ Indicator Light
⑦ Solar Panel	⑧ Handle	⑨ DC Charging Port
⑩ Propellers		

The diagram is for reference only. Please refer to the actual product.

Anti-Stranding Posts:

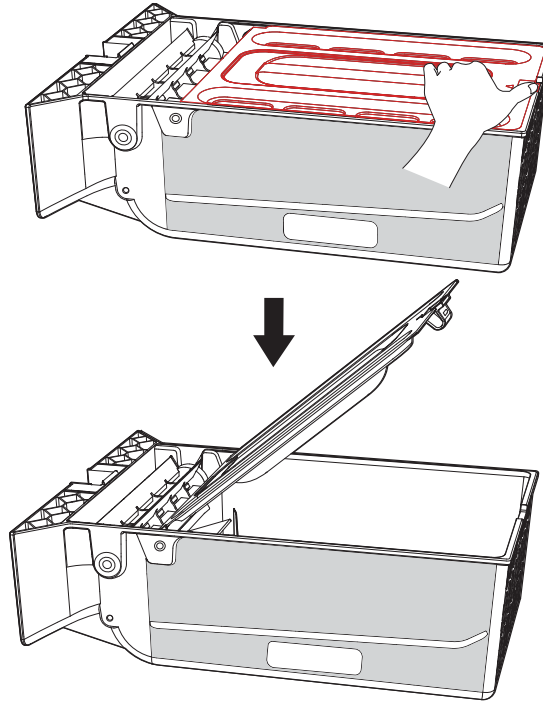
Press and hold the triangular indicator on the anti-stranding post with your thumb, then slide it downward about 1 inch. Release once you hear a “click” sound; the anti-stranding post is now locked. After locking, push and pull the post up and down to ensure it is securely fixed.

To retract, press and hold the triangular indicator on the post and slide it upward.



Debris Basket:

Remove the debris basket and place it on a flat surface. Hold the handle with one hand and press the latch with your thumb to open the basket.



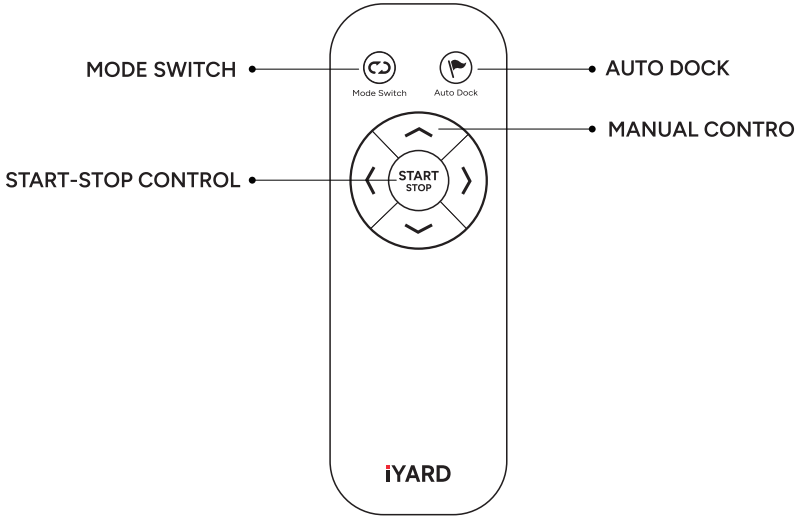
3.2 PRODUCT SPECIFICATIONS

Model	Robotic Pool Skimmer X2 Series
Mode	Surface Skimming Mode
Runtime	24/7 operation; up to 15 hours on battery power only
Charging Time	Approx. 5–6h
Charging Mode	Solar Charging + DC Charging
Battery Capacity	5.2Ah
Optimal Pool Temperature	5-40°C/41-104°F
Cleaning Mode	Auto Mode, Edge Mode, Eco Mode, Manual Mode
APP Application	YES
Filter Capacity	4.5L
Filtration Accuracy	100 μm
Charging Input	100–240VAC~50/60Hz
Running Voltage/Current	15V (1A)
Waterproof Rating	IP68
Recommended Water Depth	≥0.15m
Robot NW / GW	5 kg / 7.7 kg (11.0 lb / 17.0 lb)
Product Dimensions (LWH)	432 × 382 × 187 mm
Package Dimensions (LWH)	495 × 470 × 262 mm

3.3 ACCESSORIES INCLUDED

In the Box	Robotic Pool Skimmer, Remote Control, Power Adapter, User Manual

3.4 Remote Control



Before using the remote control, insert two AAA batteries.

MODE SWITCH: Press the MODE SWITCH button to cycle through the cleaning modes in the following order: AUTO MODE → ECO MODE → EDGE MODE → AUTO MODE. The indicator light changes accordingly to indicate the selected mode.

AUTO DOCK: Press the AUTO DOCK button. The robotic pool skimmer will locate the edge of the pool and stop.

MANUAL CONTROL: Press any of the four directional buttons to switch the robotic pool skimmer to manual control mode. The left and right buttons cause the device to rotate counterclockwise or clockwise, respectively; the forward and backward buttons cause the device to move forward or backward.

START-STOP CONTROL: Press the START-STOP CONTROL button to enter (or exit) standby mode. When the device enters standby mode, the indicator light turns off, the device stops working, and it floats on the water surface.

3.5 INDICATOR LIGHT DEFINITIONS

1. Indicator Status During Operation

Indicator Status	Mode	Meaning
Blue Light - Running	Start-up	Start-up animation
Blue Light - Constant	Auto	50 min of random cleaning, followed by 10 min of edge cleaning. Repeats hourly.
Green Light - Constant	Eco	2 hr of cleaning, followed by 15 min of edge cleaning. Repeats every 6 hr.
Purple Light - Constant	Edge	Edge cleaning
Blue Light - Flashing	Manual	Manual control
Note: • Double-press the Power button to cycle through Auto, ECO, Edge, and AI modes. • Manual mode is available only through the remote control or app. • The illuminated portion of the indicator shows the remaining battery level.		

2. Indicator Status Related to Battery & Charging

Indicator Status	Meaning
Green Light - Breathing	Charging with the DC adapter
Green Light - Constant	Fully charged
Red Light - Constant	Warning: Low battery (<10%)
Red Light - Flashing	Critically low battery (<5%)

3. Indicator Status Related to Connection and Wi-Fi Settings

Indicator Status	Meaning
Red/Green/Blue Light – Running	Wi-Fi configuration mode.
Blue Light - Breathing	Wi-Fi is connecting.
Green Light - Flashing	Wi-Fi is disconnected.
Red Light - Flashing	Wi-Fi connection failed. Please try again.

4. Indicator Status Related to Errors, Updates and Recovery

Indicator Status	Meaning
Red/Green/Blue Light – Flashing	Red, green, and blue lights flash alternately. System OTA update in progress.
Red/Blue Light - Flashing	Robot stuck. Attempting recovery.
Red/Blue Light - Constant	Robot stuck. Assistance is required for recovery. Severe error.

4 NETWORK CONFIGURATION AND APP SETUP

4.1 USER MANUAL AND APP DOWNLOAD

Scan the QR codes below and download the latest version of the **AIBOT** app.

Download on the App Store

GET IT ON Google Play

Before Connecting

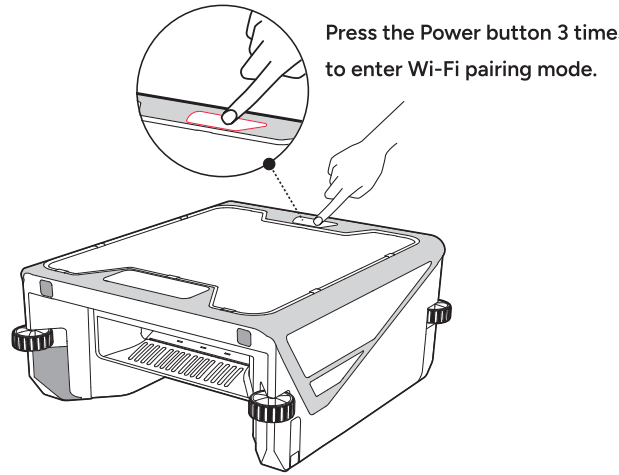
- Make sure your phone/tablet runs iOS 12 or later / Android 8.0 or later.
- Connect your phone/tablet to a 2.4 GHz Wi-Fi network and enable Bluetooth.
- Make sure the robot is within Wi-Fi range and keep your phone/tablet nearby.
- Place the robot on a flat surface before powering it on.

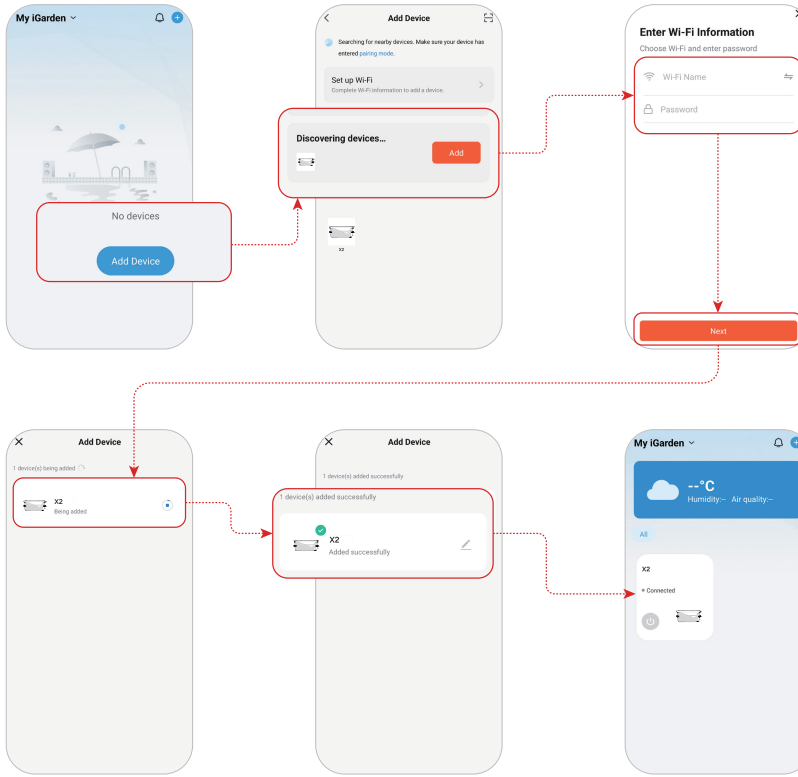
Connect the Robot

1. Press and hold the Power Button for 3 seconds to turn on the robot.

2. Press the Power Button 3 times to enter Wi-Fi pairing mode.

3. Open the AI-BOT app and follow the on-screen instructions to add the robot.





5 BEFORE USING THE ROBOT

5.1 CAUTIONS BEFORE USE

- Ensure the debris basket is securely installed to prevent operational issues.
- Check that the battery is fully charged before use for optimal performance.
- Clean the solar panel to ensure efficient charging and functionality.
- Place the robot upright when putting it into the pool.
- Remove any objects such as towels or toys from the pool that could obstruct the robot's movement.
- Ensure the pool is completely clear of people and pets during cleaning for safety.
- Supervise children at all times during cleaning. Do not allow them to ride or play with the robot, as this could result in injury or damage to the robot.

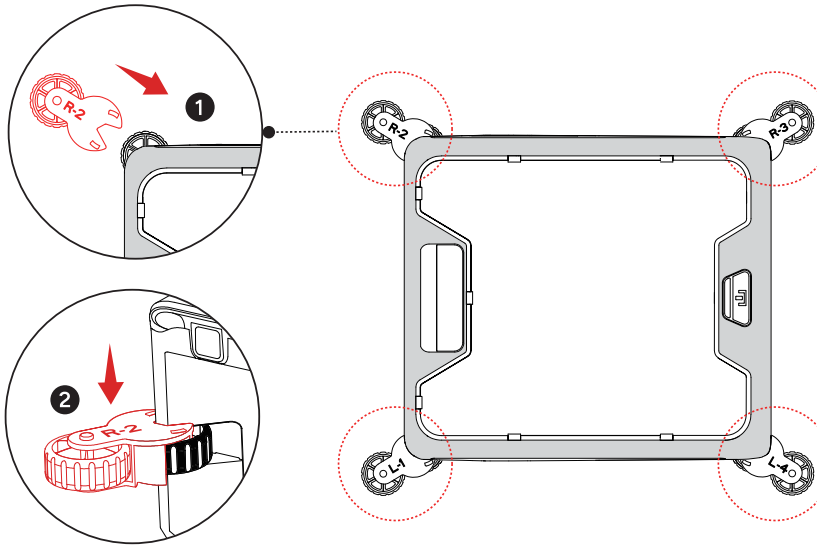
5.2 INSTALLING THE ANTI-SCRATCH GUIDE WHEELS

If your pool has rough stone edges or an irregular shape, the sides of the skimmer may occasionally rub against the pool edge, potentially causing cosmetic scratches. This will not affect the skimmer's normal operation.

To help prevent scratches, install the included Anti-Scratch Guide Wheels before use.

Installation:

1. Identify the markings on the Anti-Scratch Guide Wheels: L1, R2, R3, and L4. L = Left, R = Right; the number identifies the wheel position.
2. Match each wheel to the corresponding marked position on the skimmer, as shown in the illustration.
3. Press each wheel firmly into place until you hear a "click."



6 OPERATING INSTRUCTIONS

6.1 AUTO CLEANING MODE

In Auto Mode, the robot starts with Random Cleaning for 50 minutes, then switches to Edge Cleaning for 10 minutes. It alternates between random cleaning and wall-following every hour, following a cycle of 50 minutes random and 10 minutes edge.

6.2 EDGE CLEANING MODE

In this mode, the robot will locate the wall and start moving along the pool edge in a counter-clockwise direction. The robot will operate in this mode continuously until the battery level drops below 10%.

6.3 ECO MODE

In ECO Mode, the robot runs four cleaning cycles over a 24-hour period, with one cycle starting every 6 hours. Each cycle consists of 2 hours of regular cleaning followed by 15 minutes of edge cleaning. After each cycle, the robot automatically enters Standby Mode until the next cycle begins.

6.4 MANUAL MODE

The robot can enter Manual Mode at any time using the remote controller, or through the app. In this mode, users can manually navigate the robot to any desired location in the pool.

Please note:

The responsiveness of the robot in Manual Mode depends on the strength and quality of your Wi-Fi connection.

If the Wi-Fi signal is weak or the internet speed is slow, the robot may experience delayed responses or occasional stuttering. For best performance, ensure your mobile device is within a strong signal area and your router is operating normally.

7 CHARGING

The pool skimmer robot is a hybrid device, and can be charged via both solar and DC charging simultaneously.

7.1 SOLAR CHARGING

The solar panel will automatically charges the robot in sunlight, regardless of weather conditions.

- Shadows will affect the robot's charging efficiency. Ensure no trees or buildings block sunlight while it is charging.
- On cloudy days, the robot will require more time to become fully charged.
- Do not cover or place any items on the solar panel.

7.2 DC CHARGING

- Check that the charging port is completely dry. If not, clean it before charging.
- Do not place any items on the robot while it is charging to prevent overheating.
- Ensure the charger is kept away from water and electricity to avoid accidents.
- Use only our supplied power adapter for charging.

7.3 CHARGING DURING AUTUMN AND WINTER

During cold seasons, daylight hours are shorter and the solar power is weaker. Charging time and efficiency may be lower than in summer. The robot may operate for a shorter period than in summer.

Recommendations:

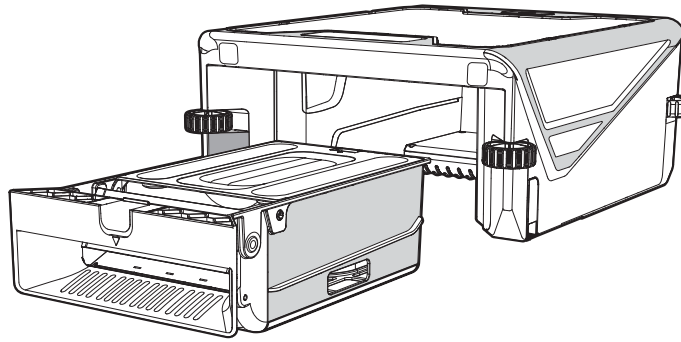
- When the temperature is below 50°F (10°C), remove the robot from the pool and place it directly in sunlight to charge.
- Use the DC charging adapter to charge the pool skimmer robot.

8 MAINTENANCE, REPLACEMENT AND STORAGE

Always power off the robot before performing maintenance.

8.1 DEBRIS BASKET

Clean the debris basket every 2-3 days to maintain optimal cleaning performance and ensure a clean pool environment.

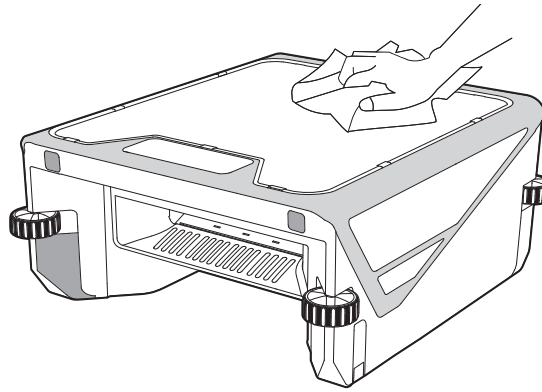


- Gently take out the debris basket from the front.
- Remove the debris basket and empty its contents.
- Gently rinse the debris basket with water to remove all debris, then reinstall it into the robot.

8.2 SOLAR PANEL

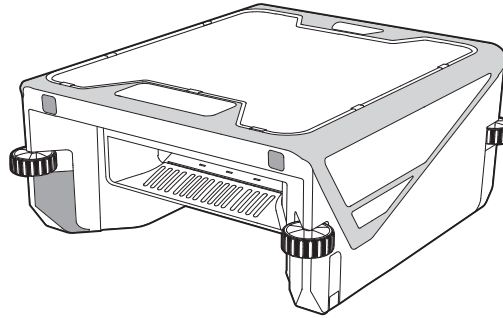
The solar panel is a fragile component. Use a dry, soft, and clean towel to gently clean it.

- Do not use a high-pressure washer to clean the solar panel.
- Avoid using sharp tools that may damage the solar panel.



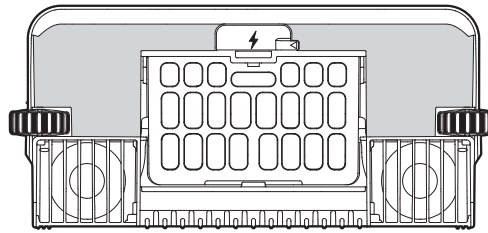
8.3 INFRARED SENSOR

Wipe the sensors with a dry, soft, and clean towel. Ensure no debris blocks the sensors to maintain optimal performance.



8.4 PROPELLER

Ensure that no debris is wrapped around the propellers and that no large items are blocking the movement of the propellers.

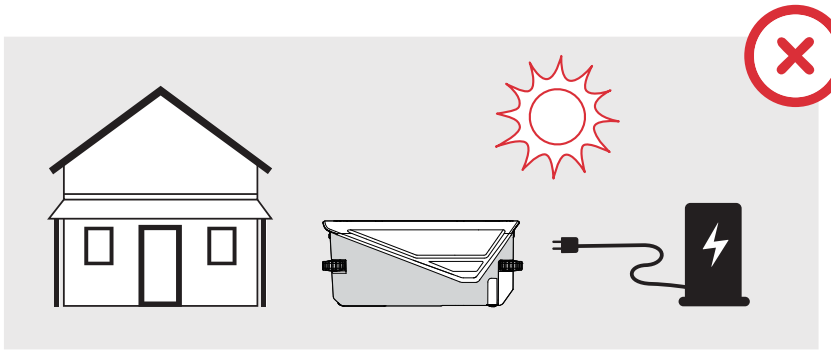


8.5 STORAGE

- During the off-season, remove the robot from the pool.
- Before storing the robot, fully charge it.
- Store the robot in a dry place with moderate temperatures, away from freezing or excessive heat.
- Ensure the robot is powered off before storage.
- To maintain battery health, charge the robot with the DC charging adapter once every two months.

Indoor Charging Only

For DC adapter charging, charge the skimmer indoors in a dry area away from direct sunlight.



Battery Recycling

The unit contains a lithium-ion battery. Recycle batteries at qualified facilities. Recycling batteries benefits the environment and public health. Do not disassemble or dispose of batteries in household trash or municipal recycling bins.

For complete regulatory statements (FCC Caution, FCC Statement, IC Statement) and manufacturer information, visit www.iYard.ai

9 WARRANTY AND AFTER-SALES

9.1 WARRANTY

9.1.1 STANDARD WARRANTY COVERAGE

The pool skimmer robot comes with a 12-month warranty that covers the motors and battery from the date of purchase. This warranty applies to manufacturing defects and ensures peace of mind for customers.

9.1.2 EXCLUSIONS AND LIMITATIONS

This warranty will be voided under the following conditions:

- The product has been altered, misused, or repaired by unauthorized parties.
- Damage caused by improper storage, such as exposure to freezing or extreme heat.
- Environmental factors like lightning strikes, floods, or prolonged submersion beyond designed water resistance.
- Accidental damage caused by the owner, such as dropping the product or using it for purposes other than its intended use.

9.1.3 CLAIM REQUIREMENTS

To make a warranty claim, please provide the following:

- A valid order number or proof of purchase.
- The product's serial number (SN) that matches the system record.
- Photos or videos clearly showing the defect for faster resolution.

9.1.4 SERVICE AND REPLACEMENT TERMS

- Repair fees or replacements covered under warranty are free of charge.
- If the product cannot be repaired, a replacement will be provided.
- Replaced parts or devices under warranty will carry the remaining warranty period of the original product.

9.1.5 OUT-OF-WARRANTY REPAIRS

For repairs or replacements outside the warranty period, contact our Service Department for an estimate. Costs for diagnostics, repairs, replacements, or shipping will be the customer's responsibility.

9.1.6 DISCLAIMER

Attempting to repair the product independently may void the warranty.

For any issues or questions, please contact the Service Department first.

9.2 AFTER-SALES ISSUES

If you have any warranty or product-related concerns, check the FAQ section first. If the issue persists, please contact our Service Department.

10 SUPPORT

Email: help@iyard.ai

Official Website: www.iYard.ai

Toll-free (US): +1 (888) 304-7243

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Full legal terms and updated specs, visit: www.iYard.ai

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Thank you for choosing our iYard Robotic Pool Skimmer X2 Series.