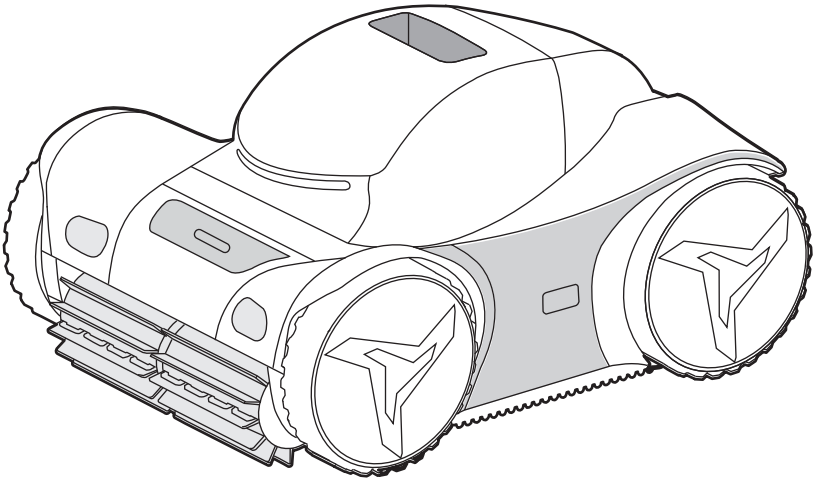
iGarden



# iGarden Pool Cleaner M1 Series

## USER MANUAL

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

# Table of Contents


**1 Introduction** 01

**2 Important Safety Information** 01

2.1 WARNING

2.2 Operating Conditions

**3 What's in the Box** 02

**4 Getting Started** 03

4.1 Charge

4.2 Assemble Parts

4.3 Quick Start

**5 Learning The Control Panel** 04

5.1 Control Panel Overview

5.2 Control Panel Details

**6 Connect To WiFi** 06

**7 Care And Cleaning** 06

7.1 Filter Box

7.2 Impeller

7.3 Roller Brush

7.4 Tires

7.5 Battery

**8 Troubleshooting** 09

**9 Cleaner Specifications** 10

**10 Regulatory & Compliance** 11

**11 Warranty** 12

**12 Support** 12

# 1 Introduction

Thank you for purchasing the iGarden Pool Cleaner M1 Series Pool Cleaner. Reading and following instructions provided is crucial for a better user experience.

# 2 Important Safety Information

## 2.1 WARNING

Failure to comply with the instructions can result in injury, damage to the product or other property.

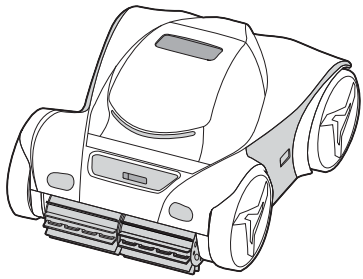
- **Designed for pools.** Use only to clean your pool. The cleaner is intended for residential use.
- **Children.** Keep children away from the cleaner. Individuals with reduced physical or mental abilities should not use it without supervision.
- **Proper installation is required.** Please follow the country's local installation standards. Damage from an incorrect installation is not covered by the warranty.
- **Do not enter the pool while the cleaner is running.**
- **Charging.** Use only the power supply and charge at least 3.5 meters away from the pool. If you notice anything unusual while charging, for example a strange smell, unplug it immediately and contact us.
- **Cleaning and maintenance.** Turn the cleaner off and unplug it before cleaning and maintenance. Only use original replacement parts from the manufacturer.
- **Control panel.** Make sure your hands are dry when using the control panel.
- **Repair.** Do not attempt to repair the device yourself, please contact us instead.
- **Using conditions.** The cleaner is recommended to be used in water deeper than 40cm to protect its motor. When the battery level is below 30%, this cleaner will switch to floor-only cleaning mode. While cleaning the pool floor, it cannot traverse cross-slopes steeper than 30 degrees. Do not run the cleaner while adding chlorine to the water. Do not use this product during thunderstorms or bad weather.
- **Storage.** Do not expose this product to rain or direct sunlight for extended periods. Clean and dry the product after each use before storage. For long-term storage, unplug and neatly store the charger cable to prevent damage. Keep your cleaner in a cool, dry place with temperature between -10 to 45°C and humidity between 30% to 70%.
- **Handling.** Lift the cleaner out gently. After removal, keep it in an upright position to drain water before storing it flat. Never lift the cleaner out of the pool by a slide rod, as it may damage the product.

### 2.2 Operating Conditions

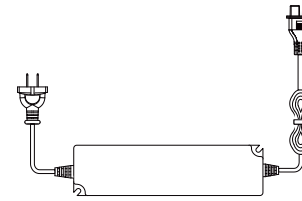
| Parameter | Range |
|---|---|
| Working Water Depth (m) | 1-2.5 m |
| Pool Water Temperatur | 4-35 °C |
| pH Level | 7.0-7.8 |
| Sodium Chloride Concentration (PPM) | Maximum = 5000 PPM |
| Chlorine Content (PPM) | Max 4PPM |

NOTE:
The battery life of this product may be reduced if the pool water temperature is below 15°C.

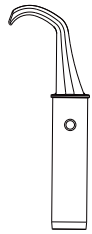
## 3 What's in the Box



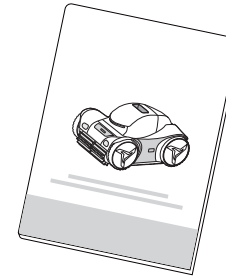
Pool Cleaner



Charger



Hook



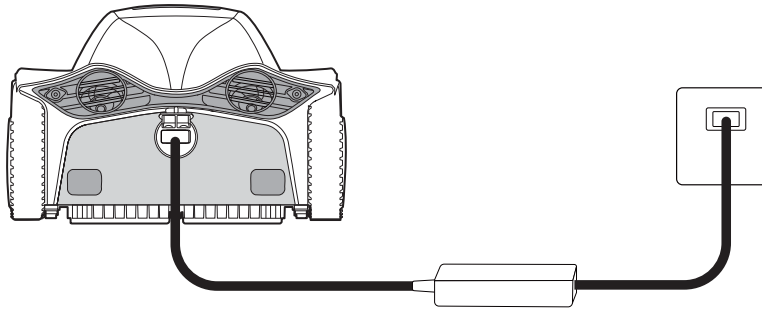
Manual

NOTE:
The packaging of this product includes the following items. If there is any damage or missing parts, please contact the retailer.

# 4 Getting Started

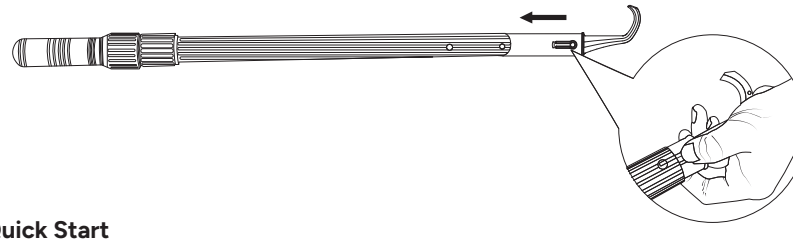
## 4.1 Charge

Uncap and plug the included charger into a power outlet (100-240V). Seeing all three indicator lights on, unplug and cover the cap back.



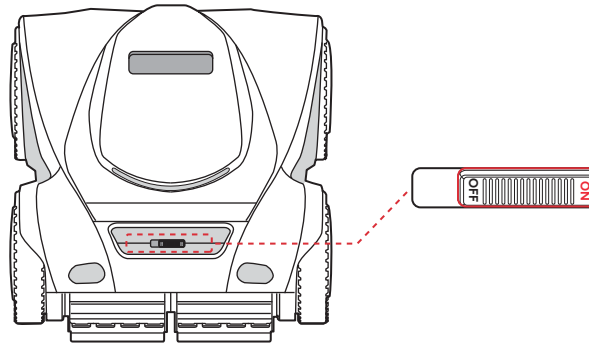
## 4.2 Assemble Parts

Attach the hook to the extension pole (Not included in the package).

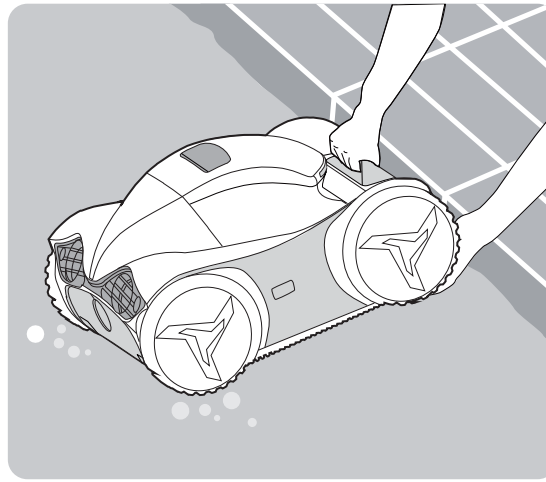


## 4.3 Quick Start

Switch the cleaner on.

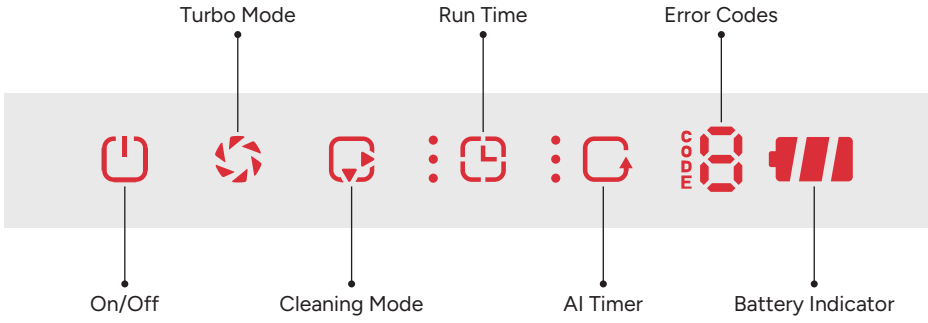


Rotate the cleaner in different directions before placing it into water, see the image below:



NOTE:
Make sure it is submerged under water within 3 minutes after turning on, or it will automatically stop.

## 5 Learning The Control Panel



## 5.1 Control Panel Overview

| Button | Icon | Effects | Function |
|---|---|---|---|
| On/Off |  | Light Flashes/ On | Setup/ Operation Starts |
| Run Time |  | 1/ 2/ 3 LEDs or Off | 0.5h/ 1h/ 2h or Low Battery |
| Cleaning Mode |  | Bottom/ Top LED On/ Off | Floor Only/ Wall Only |
| | | *Both LEDs On | *Wall & Waterline first, then floor |
| | | *Both LEDs Off | *Full coverage |
| AI Timer |  | 1/ 2/ 3 LEDs or Off | Auto-Clean Every 24/ 48/ 72 h / Disabled |
| Turbo Mode |  | LED On/ Off | Turbo Mode On/Off |
| *Error Codes |  | E1-E6 | System Fault (see Troubleshooting) |
| *Battery Indicator |  | LEDs On/ Flash | 20-100% Battery Levels/ Charging |

***Important Cleaning Modes Explained**

**Wall & Waterline first, then floor**

Recommended for most cleaning needs; Does not clean tanning ledges or other shallow areas.

**Full coverage**

Cleans Floor → Wall → Waterline to cover all areas (Includes tanning ledges); May use more power than Wall & Waterline first, then floor.

## 5.2 Control Panel Details

| Function | Condition | Response |
|---|---|---|
| Turn On Hold | 3 s | Wake and Start Setting |
| Turn On Tap | After Setting | Save Setting and Auto-clean In Water |
| Preset Run Cycle | Tap AI timer button | Clean and stop until the first cleaning cycle is done. Auto-clean again after a 24h interval. |
| Low Battery | LED Flashes | < 15% Power Levels Parks and Stops |

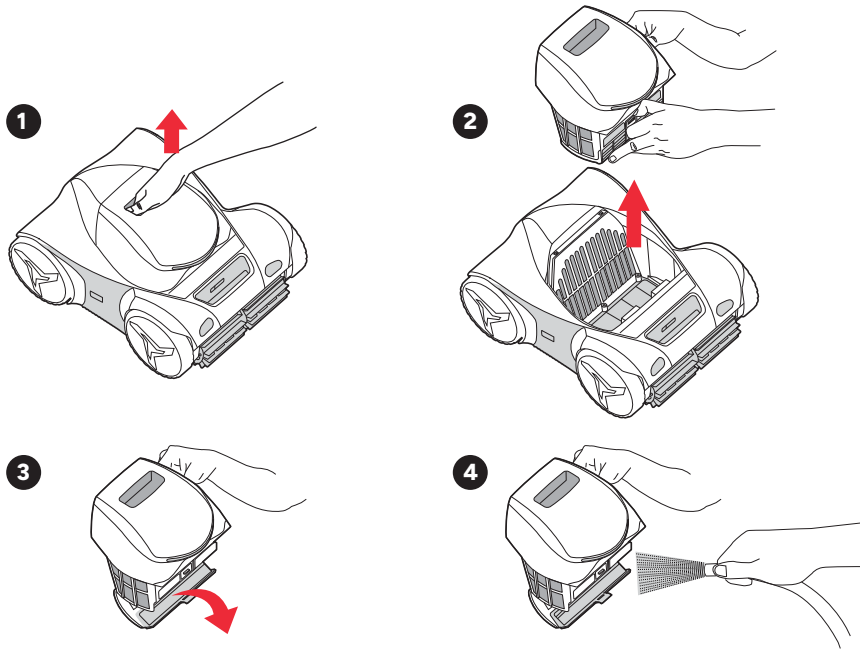
## 6 Connect To WiFi

Hold Cleaning Mode for 3s. When you hear a tone, it is ready to pair. Connect device to network in the "iGarden Robotics" App before placing it into the water. Once the Control Panel shows up, the WiFi is set. Scan the QR Code below to download:

## 7 Care And Cleaning

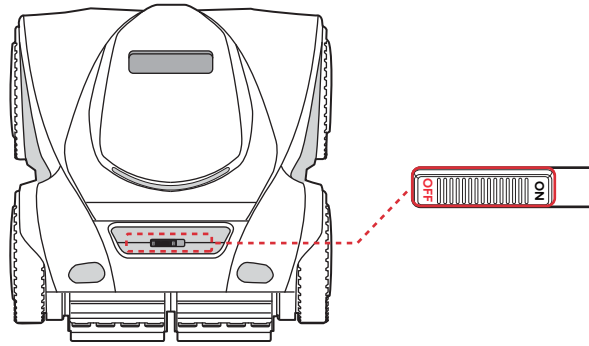
### 7.1 Filter Box

- Clean after each cycle: rinse, reinsert.
- Deep clean with mild acid detergent wearing protective gloves.

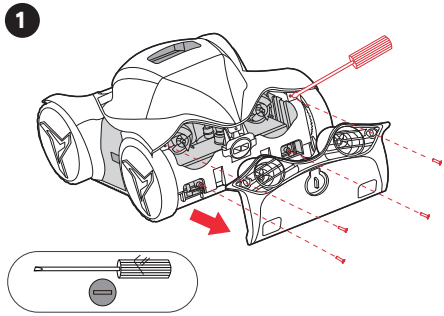


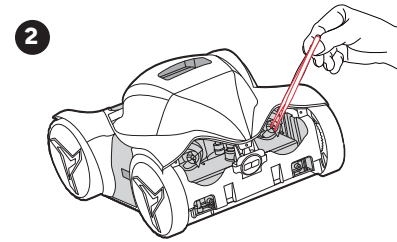
## 7.2 Impeller

Turn off the cleaner when seeing performance declines.




- Unscrew and remove the back cover.
- Take out the impeller to clean debris.

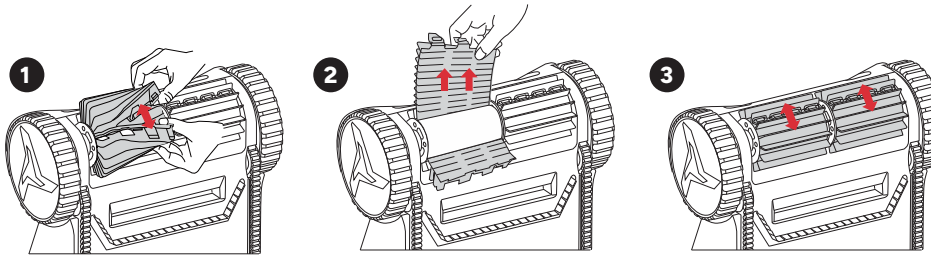



NOTE:
Contact us for assistance when you encounter difficulties.

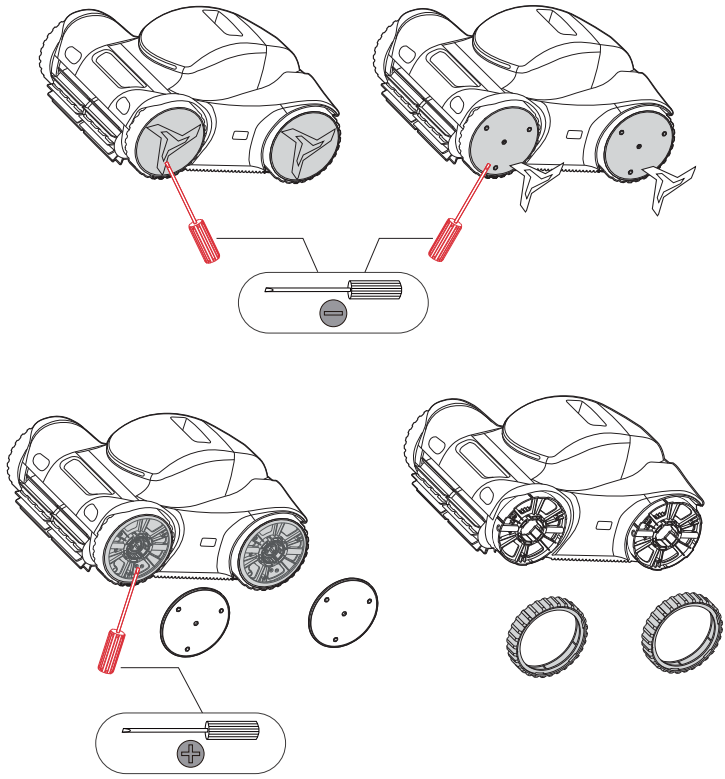
## 7.3 Roller Brush

Release tabs, slide on new brushes.



### 7.4 Tires

Remove the cap from the wheel, and replace the worn tire.



### 7.5 Battery

Fully charge the cleaner every 3 months.

## 8 Troubleshooting

| Problem | Cause | Solution |
|---|---|---|
| Charging failure | Debris on the charging cable | Clean debris |
| | Charging cable damage | Replace charging cable |
| Startup failure | Turn on improperly | Turn ON again |
| No Movement/ Pump | Control panel wet | Dry the panel and try again |
| | Wrongful operation | Restart the cleaner/ Reselect modes |
| | Low battery level | Fully charge |
| Moving but not pumping | Out of water | Submerge Fully |
| | Turn on impropery | Turn it on after setup. LED ON indicates turning on successfull. |
| | Filter box full | Clean the box |
| | Impeller Stuck | Clean debris in OFF state |
| Pumping but not moving | Filter box full | Clean the box |
| | Inlet clogged | Clean the inlet |
| | Low battery level | Fully charge |
| | Motion motor stuck | Contact us for motor replacement |
| Not climbing | Belt stuck | Adjust the belt |
| | Worn belt | Replace the belt |
| | Roller brush stuck | Clean the roller brush |
| | Obstacles blockage. Stop for protection setup | Clean the obstacles and restart the cleaner |
| | Filter box full | Clean the box |
| | Bottom cleaning mode | Switch modes |
| Poor cleaning | Impeller Stuck | Clean debris in OFF state |
| | Filter box full | Clean the box |
| | Inlet clogged | Clean the inlet |
| | Low battery level | Fully charge |
| Abnormal operation | See potential causes identified in "Poor cleaning" | Fix the issue according to solutions listed in "Poor cleaning" |
| | Worn filter net | Replace the filter net |
| | Software glitch | Restart the cleaner |
| Code Error | E1- E6 | Restart the cleaner. If persists, contact us. |

## 9 Cleaner Specifications

| Model | M1-50 | M1-80 | M1-100 |
|---|---|---|---|
| Mode: Floor Mode | | | |
| Battery Life | 5h | 8h | 10h |
| Charging Time | Approx. 5h | Approx. 6.5h | Approx. 6.5h |
| Battery Capacity | 7500 mAh Lithium Ion | 10400 mAh Lithium Ion | 10400 mAh Lithium Ion |
| Maximum Pool length | 29.5ft (9m) | 40ft (12m) | 50ft (15m) |
| Optimal Pool Temperature | 4~35°C/39.2~95°F | | |
| Cleaning Mode | Floor Only; Wall Only; Wall & Waterline first, then floor; Full coverage | | |
| Turbo mode | YES | | |
| Multiple Cycle optional | 1h/1.5h/2h/Max | | |
| AI Timer | 24h/48h/72h | | |
| APP Application | YES | | |
| Filter capacity | 4.5L | | |
| Filtration Accuracy | 150 μm | | |
| Pump Flow Rate | 12-19m³/h (3170-5020GPH) | 16-23m³/h (4227-6076GPH) | |
| Running Power | 20-100W | | |
| Moving Speed | 12m/min | | |
| Number of Motors | 4 | | |
| Charger Input | 100-240VAC~50/60Hz | | |
| Running Voltage/ Current | 25.2V/1A | | |
| Robot NW/GW | 10.9kg/16.5kg | | |
| Product Dimensions (L*W*H) | 482*392*249 mm | | |
| Package Dimensions (L*W*H) | 580*448*330 mm | | |

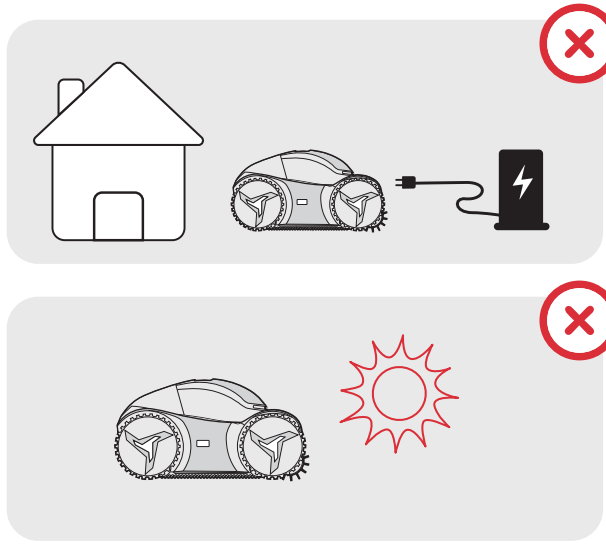
NOTE:

Tested in a pristine 3 x 8m rectangular pool under controlled lab conditions. Actual battery life may vary with pool shape, size, and water quality. The manufacturer reserves the right to modify the above parameters without prior notice.

## 10 Regulatory & Compliance

### Indoor Charging Only

Charge the cleaner indoors in a dry area away from direct sunlight.



### Recycle and disposal

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: https://store.igarden.ai/pages/warranty-policy.

### Situations Not Covered by Warranty

- Failure to comply with the instructions.
- Product damage caused by misuse or any reason other than manufacturer defects.
- Damage caused by cleaning and maintenance performed by unauthorized third parties.
- Batteries damaged by unauthorized thrid parties.
- Overcharging the battery using a non-specified input power cable.
- Using non-specified accessories that cause the product to malfunction.

## 11 Warranty

**Full Unit (motor,battery,electronics):** 3 years
**Consumables (brushes, baskets, filters, tracks):** 6 months

For complete warranty terms—including exclusions, service process, and limitations—please visit: https://store.igarden.ai/pages/warranty-policy.

## 12 Support

Email: Support@iGarden.ai (US & AU)
Support.eu@iGarden.ai (EU)

Official Website: www.igarden.ai

Facebook: iGarden

Toll-free(US): (+1)888-880-3320
Toll-free(AU): (+61)1800-716-885

© 2025 iGarden All rights reserved. Version M-FLR012-V0 (EN/ES/PT).

Full legal terms and updated specs: https://store.igarden.ai/pages/warranty-policy.