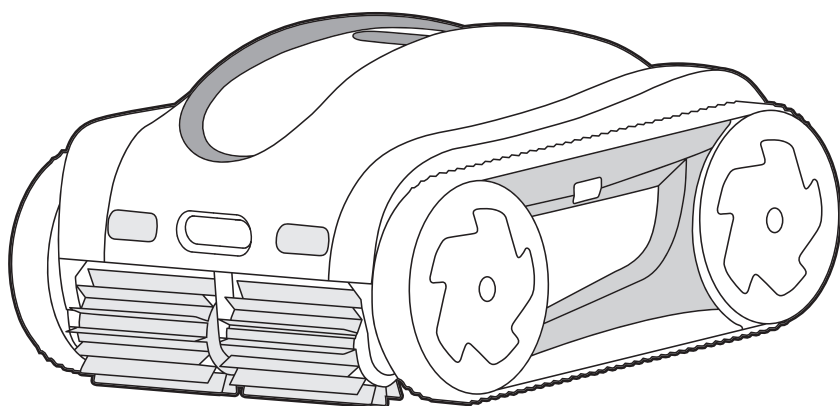


iGarden



iGarden Pool Cleaner K-AI

— 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.

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1 Introduction

Thank you for choosing the iGarden Pool Cleaner K-AI. This guide leads you through setup, operation, maintenance, and support—so you can dive in and enjoy crystal-clear water.

2 Important Safety Information

Read all instructions before use. Ignoring safety guidelines may cause injury, property damage, or void your warranty.

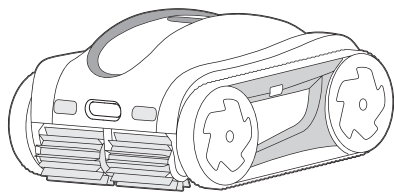
2.1 General Warnings

- For pool cleaning use only. Do not use for any other purpose.
- Read the user manual carefully before operation.
- Children and individuals with reduced physical, sensory, or mental capabilities should only use the device under supervision and instruction.
- Keep children and pets away during operation.
- Install and operate the device according to the manual. Improper setup may result in malfunction or void the warranty.
- Do not enter the pool while the cleaner is running.
- Always switch the device off before lifting, carrying, or connecting the battery.
- Only use the designated battery and charger provided by the manufacturer.
- Do not use damaged or modified batteries or devices.
- Keep batteries away from metal objects such as keys, coins, or clips to prevent short circuit.
- Store the battery in a dry, safe place when not in use.
- If battery fluid leaks and comes into contact with skin, rinse with water. If contact occurs with eyes, seek immediate medical attention.
- Charge only within the specified temperature range.
- Do not expose the cleaner or battery to fire or temperatures above 130 °C / 265 °F.
- Service must be performed by qualified personnel using identical replacement parts only.

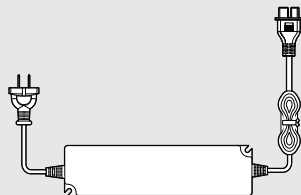
2.2 Operating Conditions

Parameter	Range
Water depth	1–2.5 m / 3.3–8.2 ft
Water temperature	4–35 °C / 39.2–95 °F
pH level	7.0–7.8
Salt (NaCl)	≤ 5000 ppm
Free chlorine	≤ 4 ppm
IP rating	IPX8

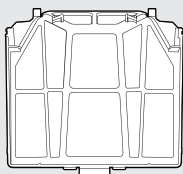
3 What's in the Box



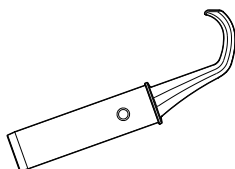
iGarden Pool Cleaner K-AI



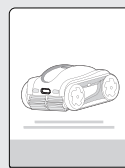
Charger



Filter



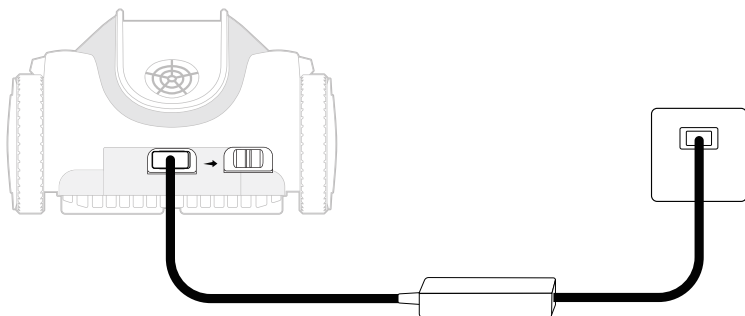
Retrieval Hook



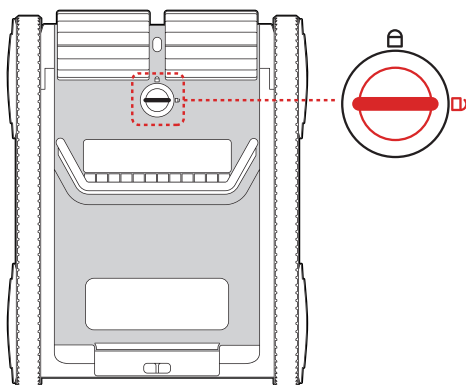
User Manual

4 Getting Started

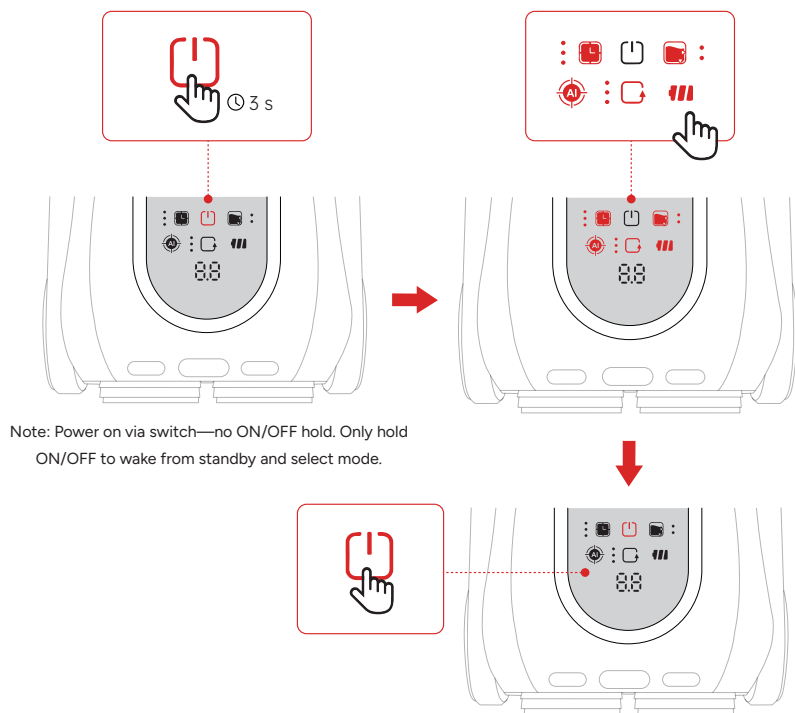
4.1 Charge: Open port cover, connect charger to mains (100–240 V AC). Three green LEDs = full. Once fully charged, replace the plug cover.



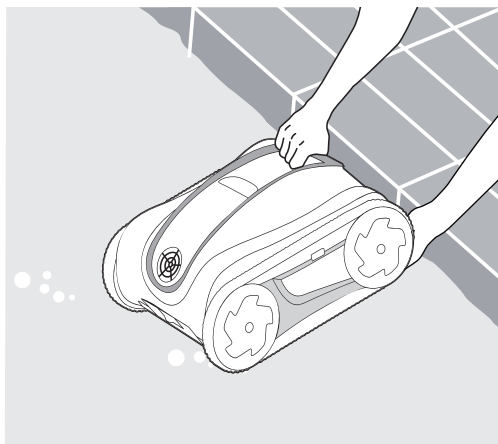
4.2 Power On: Toggle bottom switch to ON.



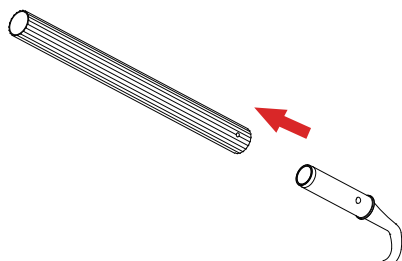
4.3 Go: Hold ON/OFF for 3 s. LEDs flash—set options—tap again to start.



4.4 Deploy: Place cleaner in water within 3 minutes; rotate to release air.



4.5 Prepare: Attach retrieval hook to a suitable pole (sold separately).



5 Connecting Your Cleaner

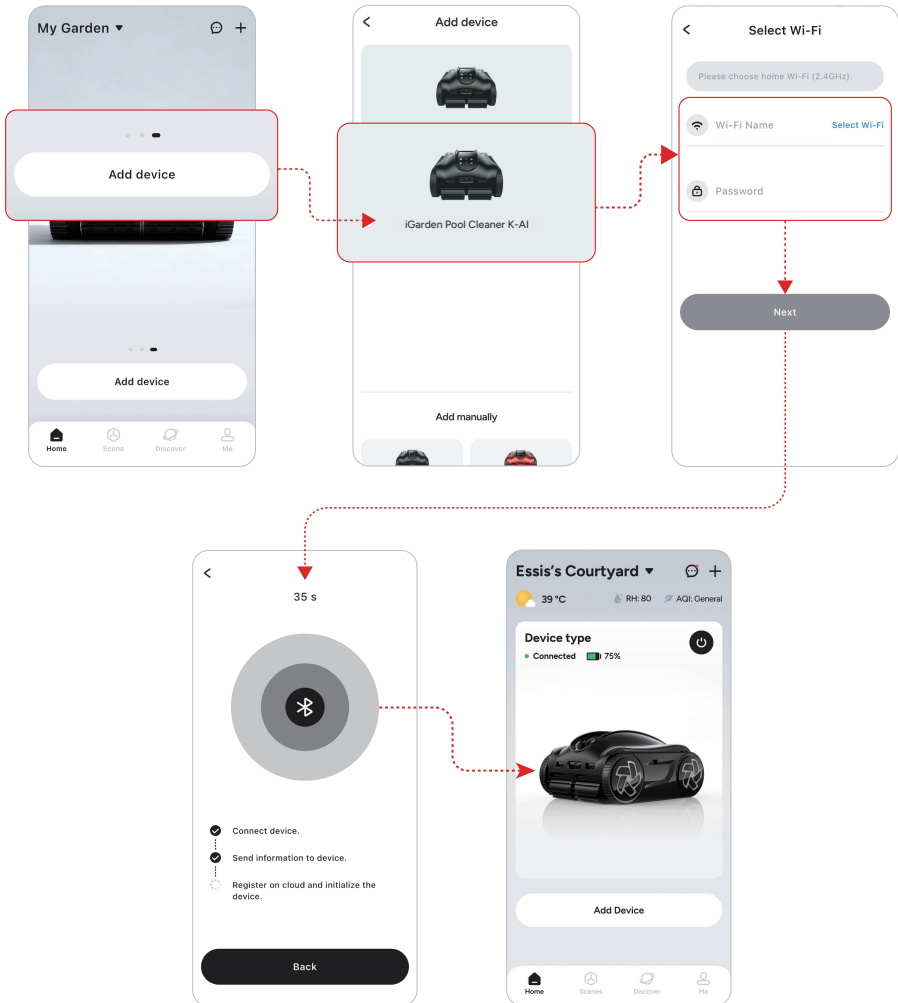
5.1 Before You Begin

- Enable Bluetooth and Wi-Fi on your phone.
- Connect to a 2.4GHz Wi-Fi network with a strong signal.
- Allow Bluetooth access when prompted by the app.
- Scan the QR code below to download iGarden APP.



5.2 Pairing The Robot

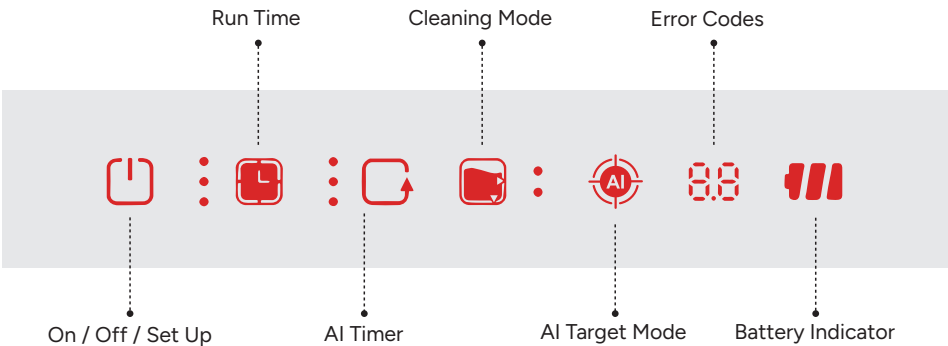
- Press and hold the ( :) button for 3 seconds.
- The robot will beep, and the () light will begin flashing.
- Open the iGarden app to complete pairing.
- A confirmation will appear once pairing is successful.



💡 Notes:

- App control is available via 2.4G Wi-Fi (5G Wi-Fi not supported) or Bluetooth.
- App functions are unavailable while the robot is in the pool due to signal interference.
- Download iGarden from the App Store or Google Play.

6 Using Your Cleaner



6.1 Control Panel Overview

Button	Icon	Display	Function
On / Off / Set Up		Light Flashes / On	Wake/Sleep, Confirm Settings
Run Time		1 / 2 / 3 LEDs or Off	1 h / 1.5 h / 2 h / Run Until Low Battery
AI Timer		1 / 2 / 3 LEDs or Off	Auto-Clean Every 24 / 48 / 72 h / Disabled
Cleaning Mode		Bottom LED On	Floor Only (S-Path Cleaning first, then AI Target)
		Top LED On	Wall & Waterline Only
		*Both LEDs On	*Wall & Waterline First, Then Floor (S-path→AI Target)
		*Both LEDs Off	*Full Coverage
AI Target Mode		Green On / Off	AI Target Mode (Floor Only) On / Off
Error Codes		E1–E6	System Fault (see Troubleshooting)
Battery Indicator		Green / Red LEDs	20–100% / < 20% Charge Levels

*** 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.

6.2 Control Panel Details

Function	Condition	Response
On/Off Hold	3 s	Wake or Sleep Mode
Press	While Running	Confirm Selected Settings
Low Battery	< 15%	Red LED Flashes; Parks Then Sleeps
Mode Selection	Press Cycle	Floor Only / All-Surfaces Options

7 Care & Cleaning

7.1 Bionic AI Dual-Camera

AI Target Mode (Only Active During the Floor Cleaning Phase)

1. Floor Only

The cleaning mode indicator and the bottom triangular indicator light up. In Floor Only mode, the robot follows an S-shaped cleaning pattern to cover the pool floor. Before the cleaning cycle ends, it automatically switches to AI Target mode. The dual-camera starts detecting remaining debris and performs targeted touch-up cleaning.

2. Wall Only. Then Floor Cleaning

The cleaning mode indicator and both triangular indicators light up. After completing wall cleaning, the robot switches to Floor Only mode and follows an S-shaped path to clean the pool floor. Before the cycle ends, it automatically enters AI Target mode. The dual-camera system continuously identifies remaining debris and performs precise targeted cleaning.

3. AI Target Only

Select the cleaning mode and the indicator lights turn on. The robot uses its dual-camera vision system to identify and clean debris in the pool. In this mode, the robot operates based on the set cleaning time.

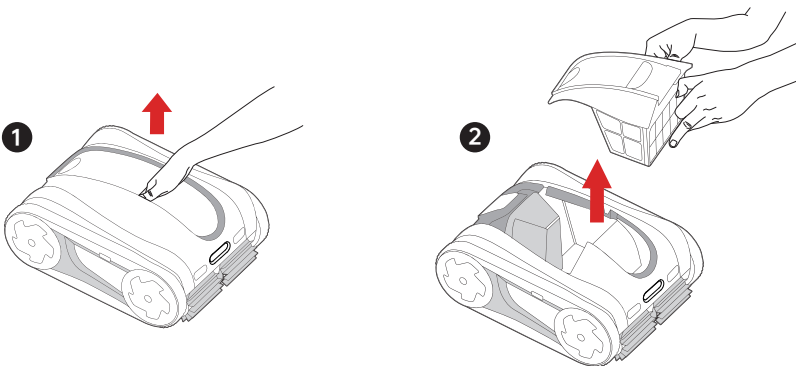
After setting the cleaning mode via the control panel or the app, the robot will begin cleaning the pool floor according to the preset cleaning path once it enters the water. During operation, the front camera automatically detects and locks onto debris ahead, performing targeted cleaning.

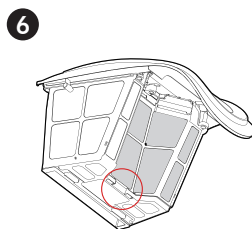
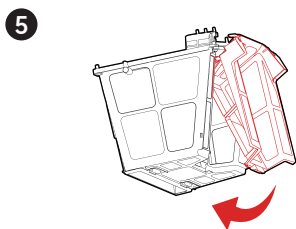
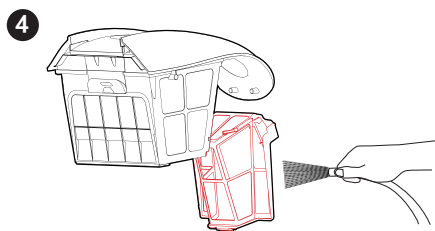
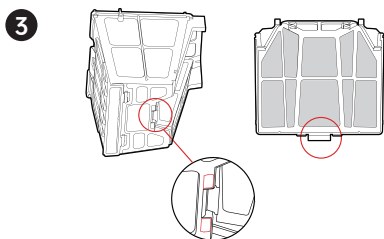
💡 NOTE:

1. The camera on the robot activates only when the robot is underwater.
2. When the LED light is on, do not look directly into the light.
3. The AI Target cleaning mode relies on visual detection. Keep the camera free from dust, contamination, or scratches, as this may reduce detection performance. Use a soft cloth to gently clean the camera lens.
4. Cleaning Mode and AI Target Mode cannot be enabled at the same time. The system will apply the most recently selected mode. After a new mode is selected, the previously selected mode will no longer take effect.

7.2 Filter Box

1. See the filter basket.
2. Lift the handle to remove the filter basket.
3. Open and separate the double-layer filter box.
4. Rinse the filter box.
5. Align upper clips with the matching slots to restore the filter box.
6. Slide into bottom slots until it clicks into place.



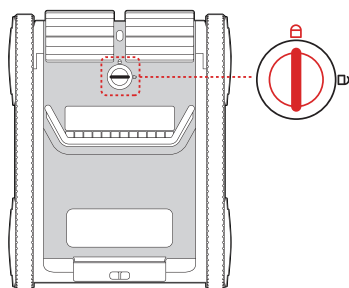


NOTE:

1. The robot comes equipped with a single-layer filter by default, which is generally sufficient for daily cleaning.
2. When dealing with fine debris such as sand, dirt, or settled dust, it is recommended to perform an initial clean with the single-layer filter first, then switch to the double-layer filter for a thorough clean to achieve optimal results.

7.3 Impeller

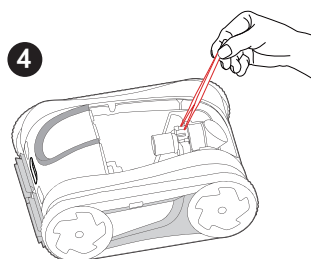
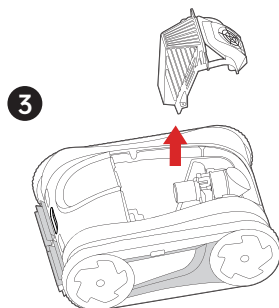
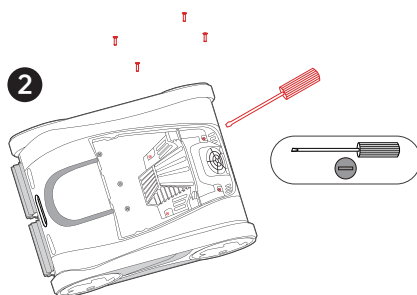
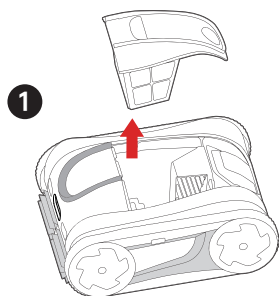
1. Switch OFF and unplug.



2. Remove filter basket.

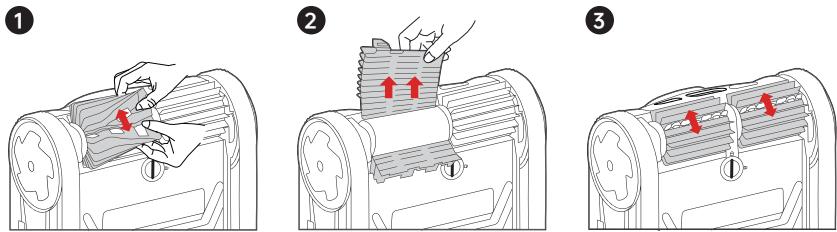
3. Unscrew deflector cap; clear debris.

4. Reassemble securely.

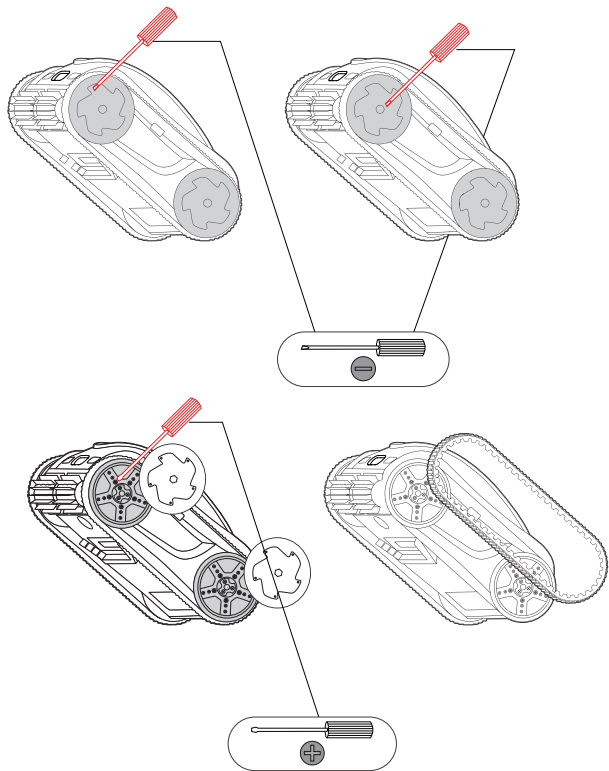


7.4 Brushes & Tracks

Part	Indicator	Action
Brushes	Worn bristles	Release tabs, slide on new brushes



Part	Indicator	Action
Tracks	Slippage/cracks	Pry off hub cover, swap tracks, reassemble



7.5 Usage & Care

- Drain and place flat after each use
- Clean filter basket thoroughly; remove all debris

Operation Protection

- Below 30% battery: floor cleaning only, then stop
- Five consecutive wall-climb failures → switch to floor mode



Battery Care

- Charge fully every three months
- If unused for over 14 days, turn off the bottom power switch

Storage

- Dry completely before storing
- Store at -10 °C to 45 °C (14 °F to 113 °F), 30%–70% RH
- Coil cable neatly and avoid twists

8 Troubleshooting

Failure	Possible Reasons	Solution
Charging Failure	Debris on charging head	Clean debris
	Damaged charging kit	Replace charging kit
Startup Failure	Water on panel or hands	Wipe dry and retry
	Operational error	Press and hold power for 3s
	Dead battery / Low battery	Fully charge
No Movement/Pump	Out of water	Submerge fully
	Power button not pressed	Press ON/OFF after setup
Not Working	Full filter basket	Clean the basket
	Impeller stuck	Clear debris in OFF state
Moving but Not Pumping	Full filter basket	Clean basket
	Water inlet clogged	Remove and clean inlet
	Low battery	Fully charge
Pumping but Not Moving	Obstacle entrapment	Remove obstacle and restart
	Worn track/deviation	Roll or replace track
Not Climbing	Impeller stuck	Clear debris
	Full filter basket	Clean basket
	Water inlet clogged	Clean inlet
	Low battery	Fully charge
Poor Cleaning	Worn filter/brush	Replace filter/brush
	Inlet clogged	Clean inlet
Abnormal Operation	Software glitch	Power-cycle OFF → ON

Error Codes	E1	Left Drive Motor Error
	E2	Right Drive Motor Error
	E3	Pump Error
	E4	Control Panel Communication Error
	E5	Infrared Sensor Error
	E6	Water Outlet Sensor Error
Low-Temperature Protection	The robot cannot charge properly when the temperature is below -3 °C.	Place the robot in an environment above -3 °C for a period of time before charging to avoid reduced battery performance or abnormal charging caused by low temperatures.

9 Technical Specifications

Model Comparison

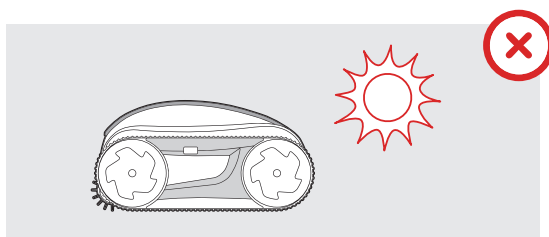
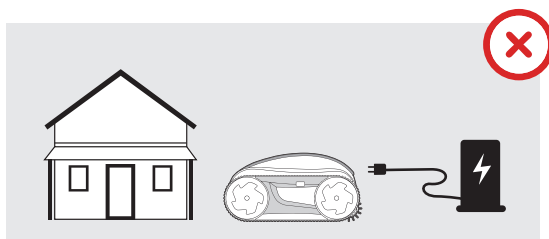
Model	K-AI 50	K-AI 65	K-AI 85
Mode: Floor			
Battery Life	5 h	6.5 h	8.5 h
Mode: Floor / Wall / Waterline Mode			
Battery Life	2.75 h	3.7 h	4.7 h
Mode: Turbo+Floor			
Battery Life	2.75 h	3.2 h	4.2 h
Mode: Turbo+Floor / Wall / Waterline			
Battery Life	2.25 h	2.7 h	3.7 h
Charging Time	4.5 h		3.5 h
Battery Capacity	7.5 Ah (192 Wh)		9.4 Ah (242.8 Wh)
Recommended Maximum Pool Size	6 × 12 m (19.69 ft × 39.37 ft)		
Optimal Pool Temperature	4~35 °C (39.2 °F~95 °F)		
Cleaning Mode	Floor Only (S-Path Cleaning first, then AI Target); Wall & Waterline Only; Wall & Waterline First, Then Floor (S-path→AI Target); Full Coverage		
Multiple Cycle Option	1 h / 1.5 h / 2 h / Max		
Turbo Mode	YES		
AI Timer	24 h / 48 h / 72 h		

AI Camera	YES	
APP	YES	
Filter Capacity	4 L	
Filtration Accuracy	Double layers	
Pump Flow Rate	12–20 m³/h (3,170-5,283 GPH)	15–22 m³/h (3,963-5,812 GPH)
Running Power	20-100 W	
Moving Speed	10-12 m/min (32.81 ft/min~39.37 ft/min)	
Number of Motors	3	
Charger Input	100-240 V AC~50/60 Hz	
Running Voltage / Current	25.5 V / 1A	
Robot NW	10.4 kg (22.9 lb)	10.8 kg (23.8 lb)
Product Dimensions (L × W × H)	489 × 389 × 240 mm (19.25 in × 15.31 in × 9.45 in)	
Package Dimensions (L × W × H)	580 × 450 × 330 mm (22.83 in × 17.72 in × 12.99 in)	
NOTE: Tested in a pristine 3 × 8 m (10 ft × 26 ft) rectangular pool under controlled lab conditions. Actual battery life may vary with pool size, shape, and water quality.		

10 Regulatory & Compliance

Indoor Charging Only

Charge the cleaner 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: <https://store.igarden.ai/pages/warranty-policy>

11 Warranty

Full Unit (motor, battery, electronics): 3 years

Consumables (brushes, baskets, filters, tracks): 6 months

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

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 (AU & US)

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



Scan the QR code to get quick support

- Watch How-to Videos
- Read FAQ & Troubleshooting
- Activate Your Warranty
- Claim an Express Return

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

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Version: AMZ-K-AI-Manual-V2 (EN)

Thank you for choosing our Cordless Robotic Pool Cleaner.