Beatbot

Redefine
Smart Pool Care

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Redefine Smart Pool Care

About Beatbot

Beatbot is a technology brand dedicated to the global robotization of swimming pool environments. Driven by a commitment to product excellence, the brand's mission is to redefine smart pool care, address industry challenges, enhance performance, and deliver hassle-free pool care experiences.

Beatbot is dedicated to empowering both existing pool owners and those considering pool ownership by removing maintenance hurdles, making pool ownership a source of joy and relaxation accessible to all.

Dive into the pool care revolution with us – Redefining Pool Care for Tomorrow!

Industry-Leading Certifications

With over 15 industry-leading certifications, including ETL, CEC and CPF, we uphold the highest standards of safety, reliability, performance, and environmental compliance. **Beatbot is your trustworthy choice — safe, reliable, and energy-efficient.**

ETL   BC   CE   CB   SAA

FC   IC   RED   EMC   LVD

CLIMATE PLEDGE FRIENDLY

(Certifications)

DOE   CEC

NRcan   TPCH

RoHS

(Test Reports)

Our Awards

Reflecting our dedication to quality and innovation, we've earned several awards, including the prestigious IF Design Award, recognized internationally for design excellence.

iF DESIGN AWARD 2025   GOLD WINNER MUSE DESIGN AWARDS   digital trends EDITORS' CHOICE   BEST of CES 2025 AH Android Headlines

iF DESIGN AWARD 2024   SEAL AWARDS   REVIEWED AWARDS CES 2025   YD BEST OF CES 2025

Core Technology

We are at the forefront of the industry in core technologies such as brushless water pumps, AUV spatial locomotion, sonar laser SLAM, space mapping navigation algorithms, and more. Currently, we hold 221 patents (granted and under application), including 128 patents for inventions.

Our robots leverage the power of advanced AI algorithms and cutting-edge industry technology. At their core is the powerful Beatbot OS, featuring industrial-grade CPUs, MCUs, DDR RAM, flash storage, and integrated multisensor fusion (including IMUs, AI cameras, infrared, and ultrasonic sensors). Beatbot pioneered the world's first 5-in-1 pool cleaning system and the first AI-powered targeted debris cleaning system. With patented industry-first features, pioneering sensors, and advanced chipsets, our robots navigate pools with flawless precision.

Mastering Cleaning Precision

Beatbot AquaSense 2 Ultra

The World's First AI-Powered 5-in-1 Robotic Pool Cleaner

TÜV-Certified Privacy Protection*
Ensures your data stays secure.[1]
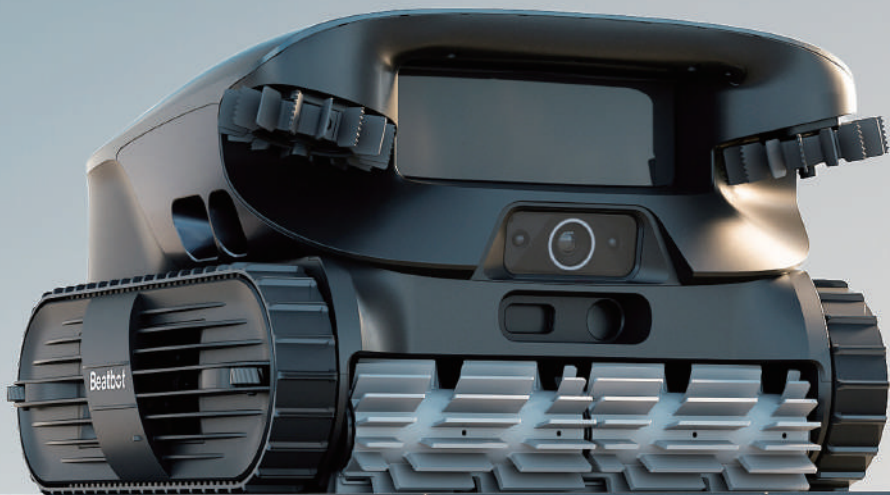
Specifications

Recommended Pool Size (Pool Bottom)
3,875 square feet (360 square meters)

Cleaning Coverage
Water surface, floor, walls, waterline

6 Cleaning Modes
Floor, Standard, Pro, ECO, Area, MutiZone

Filters Density & Capacity
150 μm, 4.0L (outer) / 250 μm, 3.7L (inner)

Connectivity
Wifi + Bluetooth connection

Battery Life
Up to 10 hours for surface cleaning
Up to 5 hours for floor cleaning
Up to 5 hours for walls + waterline cleaning

What's in the box

| 1 x Beatbot AquaSense 2 Ultra	1 x Clarifying agent kit	1 x Wireless charging dock	1 x Hook	1 x Screwdriver	4 x Screws for side brush	1 x Dust bag	1 x Quick start guide	1 x User manual

1. AquaSense 2 Ultra is TÜV Rheinland-certified for ETSI EN 303 645, it fully complies with the highest GDPR and ISO/IEC 27701 standards, setting a new benchmark for cybersecurity and privacy protection.
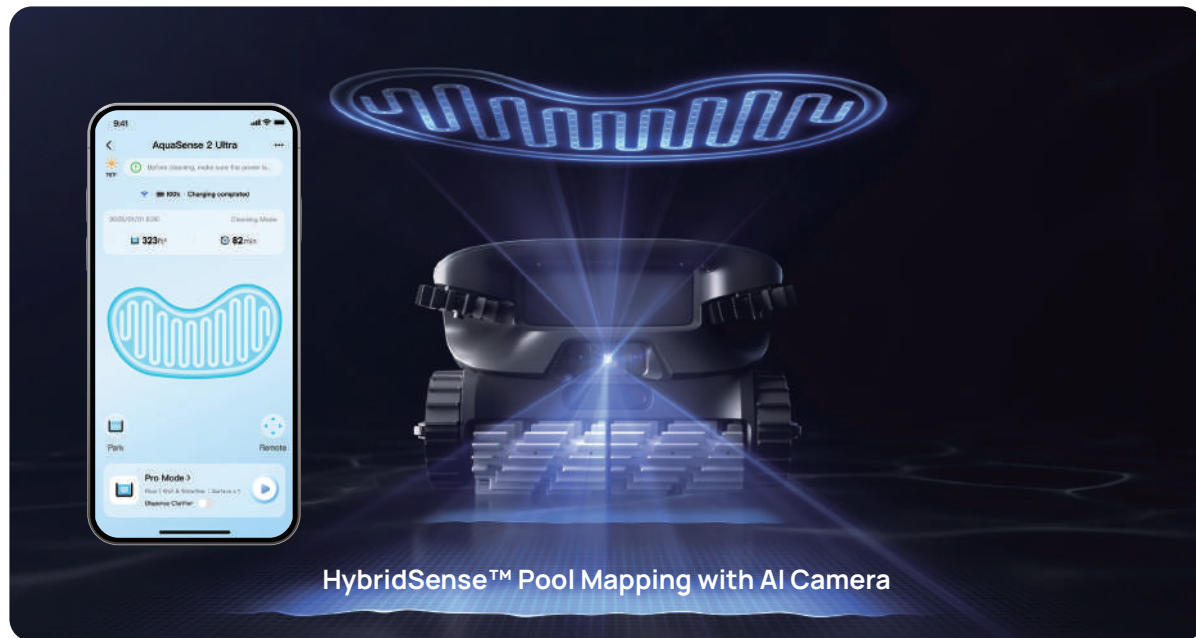
HybridSense™ Pool Mapping with AI Camera

Industry-Leading Cleaning Precision with HybridSense™ AI Vision

Achieve ultra-precise navigation, obstacle detection, and full coverage with HybridSense™, an industry-first blend of an AI camera with dual TOF sensors, infrared, and ultrasonic sensors. View the pool map and cleaning path on the app for total control.

Water Surface
Waterline
Walls
Floor
Water Clarification

Recognizes Missed Leaves
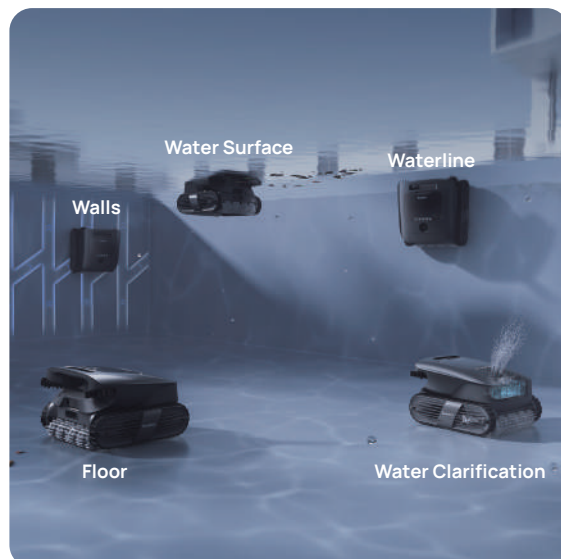
5-in-1 Comprehensive Cleaning

Effortlessly clean your pool from bottom to top—all in one cordless device. With 11 motors and an innovative submarine propulsion system, it eliminates the need for multiple cleaners.
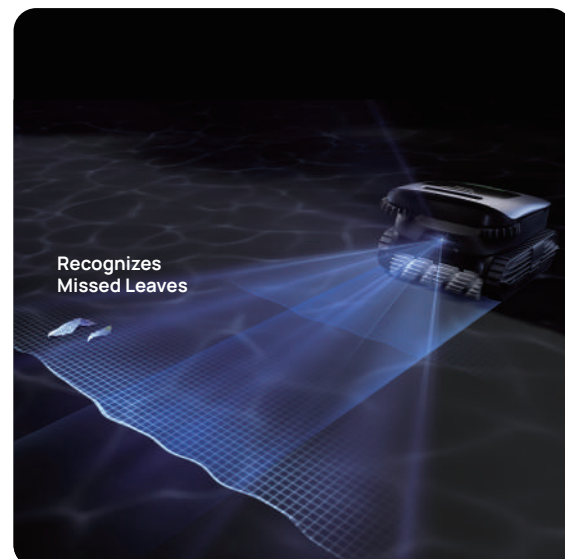
Advanced AI Cruise Floor Debris Detection [1]

After the initial floor cleaning, the AquaSense 2 Ultra performs an AI-powered cruise to detect and capture any remaining debris, ensuring a spotless pool.

AI Adaptive Path Planning for Multi-Level Pools

Cleans multi-levels, high platforms & shallow areas (13.7 inches+). AquaSense 2 Ultra's AI adapts its path autonomously, using dual downward ultrasonic sensors to detect edges and prevent falls—ensuring full pool coverage.

Auto Water Release
Surface Parking
Auto-Return
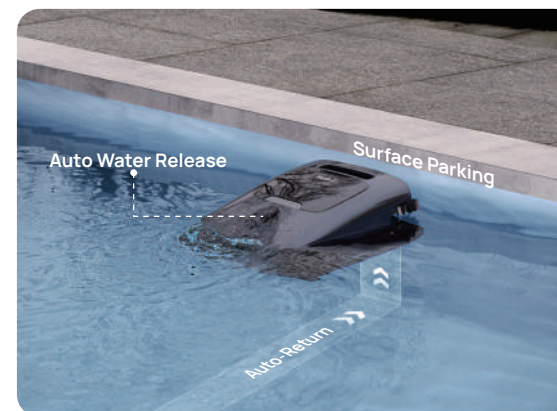
Say Goodbye to Heavy Lifting and Manual Fishing

The robot parks above the water after cleaning, while SmartDrain™ releases water for lighter retrieval. You can also call it back anytime while on the surface using the app's 'Park' button.

Rapid Clarification 4X Faster

Skin-Safe & Eco-Friendly ClearWater™ Natural Clarification

Effortlessly clear dirt, oils, and residue using natural recycled crab-shell agents. It automatically binds fine particles for superior filtration.

Dual side brushes

Capture more floating debris for a deeper clean.

App Remote Control Navigation

Quicker and more targeted surface debris cleaning.

1.The advanced AI camera and algorithms currently recognize various leaf types, fruits, and nuts, with more debris types to be added via OTA updates, continually enhancing detection capabilities.

Maximizing Cleaning Coverage

Beatbot AquaSense 2 Pro

The Industry-Leading 5-in-1 Robotic Pool Cleaner

Specifications

Recommended Pool Size (Pool Bottom)
3,875 square feet (360 square meters)

Cleaning Coverage
Water surface, floor, walls, waterline

6 Cleaning Modes
Floor, Standard, Pro, ECO, Area, MutiZone

Dual Layer Filter
150 μm, 3.7L (outer) / 250 μm, 3.5L (inner)

Connectivity
Wifi + Bluetooth connection

Battery Life
Up to 11 hours for surface cleaning
Up to 5 hours for floor cleaning
Up to 5 hours for walls + waterline cleaning

What's in the box

1 x Beatbot AquaSense 2 Pro

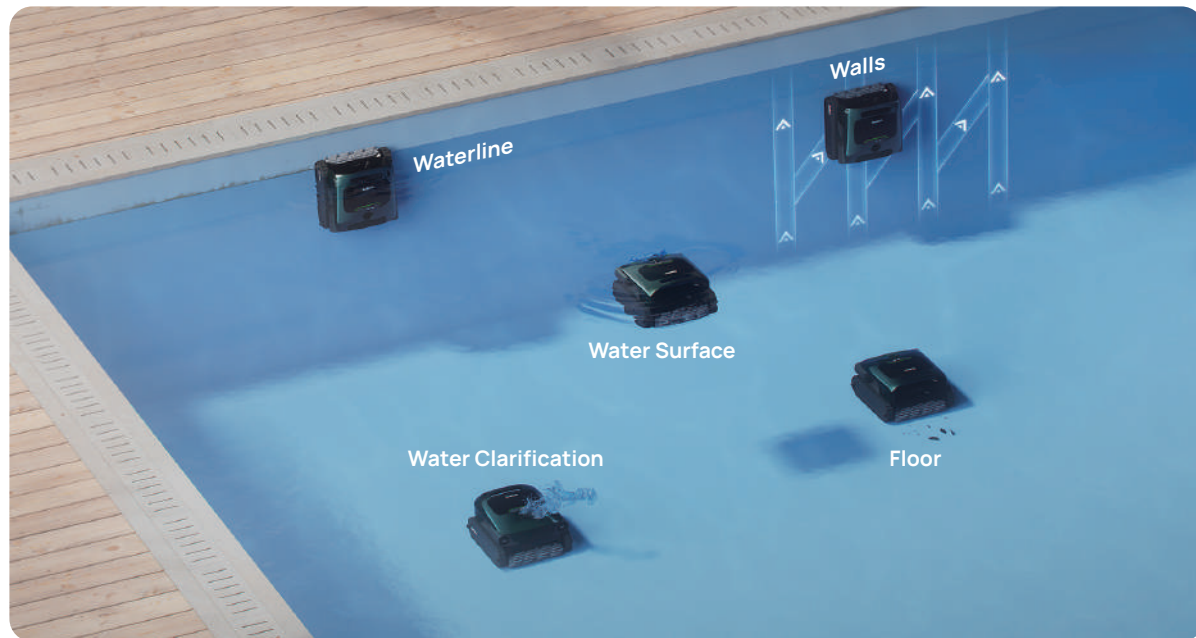1 x Clarifying agent kit

1 x Wireless charging dock

1 x Hook

1 x Quick start guide

1 x User manual

Walls
Waterline
Water Surface
Water Clarification
Floor

5-in-1 Cleaning: Water Surface, Waterline, Floor, Walls, Water Clarification

Effortlessly clean your pool from bottom to top—all in one cordless device. With 9 motors and an innovative submarine propulsion system, it eliminates the need for multiple cleaners.


Rapid Clarification 4X Faster

Beatbot

Remote Navigation

Speed Boost

Skin-Safe & Eco-Friendly ClearWater™ Natural Clarification

Effortlessly clear dirt, oils, and residue using natural recycled crab-shell agents. It automatically binds fine particles for superior filtration.
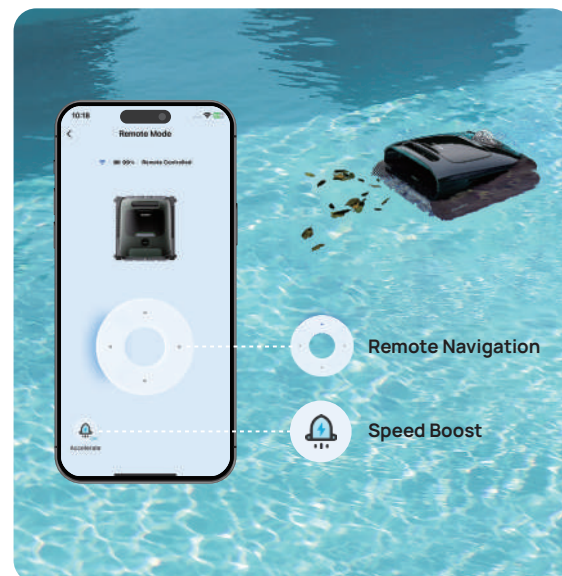
Efficient Water Surface Cleaning with App Navigation Control

Effortlessly guide the robot's direction and speed it up for quick, precise, and fun targeting—all via the app.


Smart Return to the Surface
One-Touch App Poolside Parking
Automatic Water Release
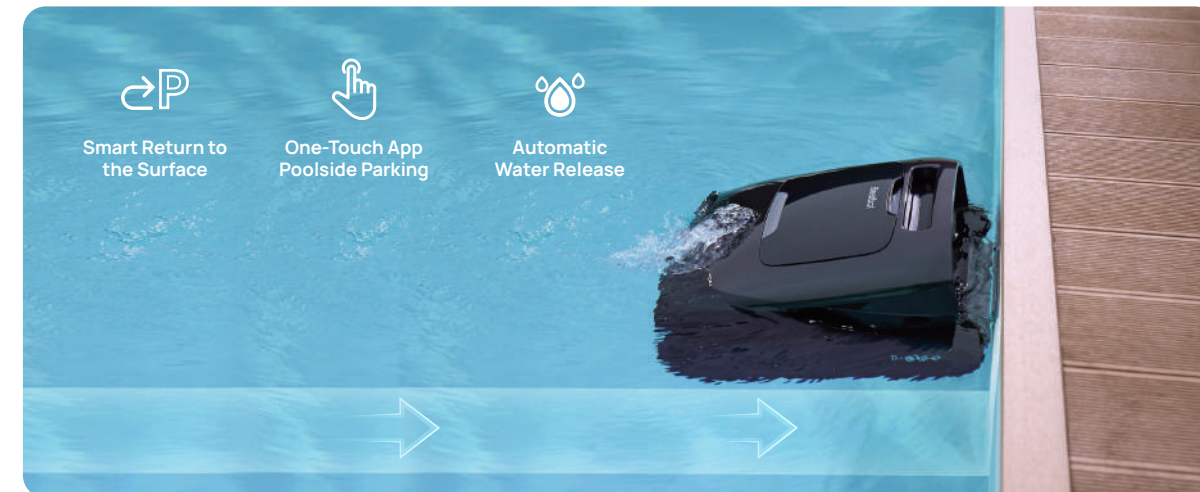
Smart Water Surface Parking & One-Touch App Retrieval

The robot parks above the water after cleaning, while SmartDrain™ releases water for lighter retrieval. You can also call it back anytime while on the surface using the app's 'Park' button.

S-shaped cleaning pattern

N-shaped cleaning pattern

Covers up to 3,875 sq. ft
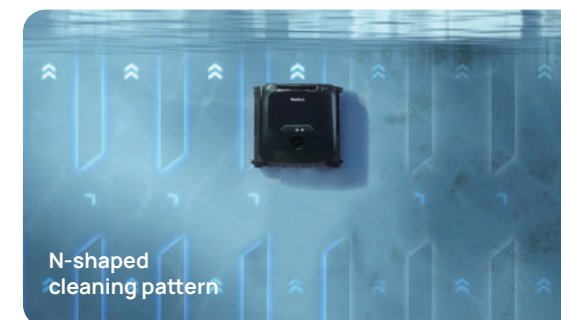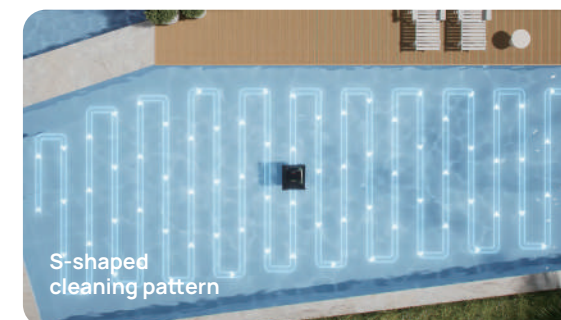
Full Coverage Path Optimization with 22 Sensors

With CleverNav™ navigation, a 4-core CPU, and 22 sensors (including 2 ultrasonic), it optimizes cleaning paths for full coverage and smoothly navigates obstacles like drains, stairs, and ladders.
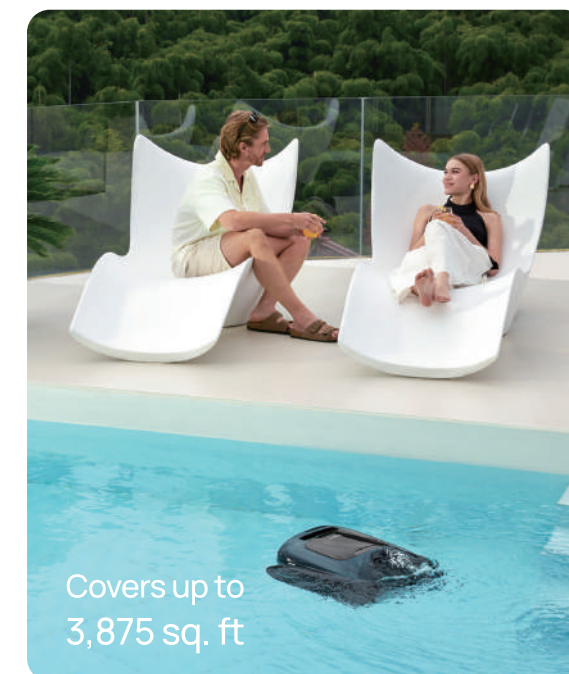
Up to 11 Hours of Continuous Surface Cleaning

The powerful 13,400mAh battery delivers up to 11 hours of surface cleaning and 5 hours of floor/wall cleaning on a single charge, cleaning pools up to 3,875 Sq.ft without interruption!

Enhancing Cleaning Convenience

Beatbot AquaSense 2

The World's First 3-in-1 Robotic Pool Cleaner with Water Surface Parking

Specifications

Recommended Pool Size (Pool Bottom)
3,230 square feet (300 square meters)

Cleaning Coverage
Floor, walls, waterline

4 Cleaning Modes
Floor, Standard, Area, MutiZone

Single Layer Filter
150 μm, 2L

Connectivity
Wifi + Bluetooth connection

Battery Life
Up to 4 hours for floor cleaning
Up to 3.5 hours for walls + waterline cleaning
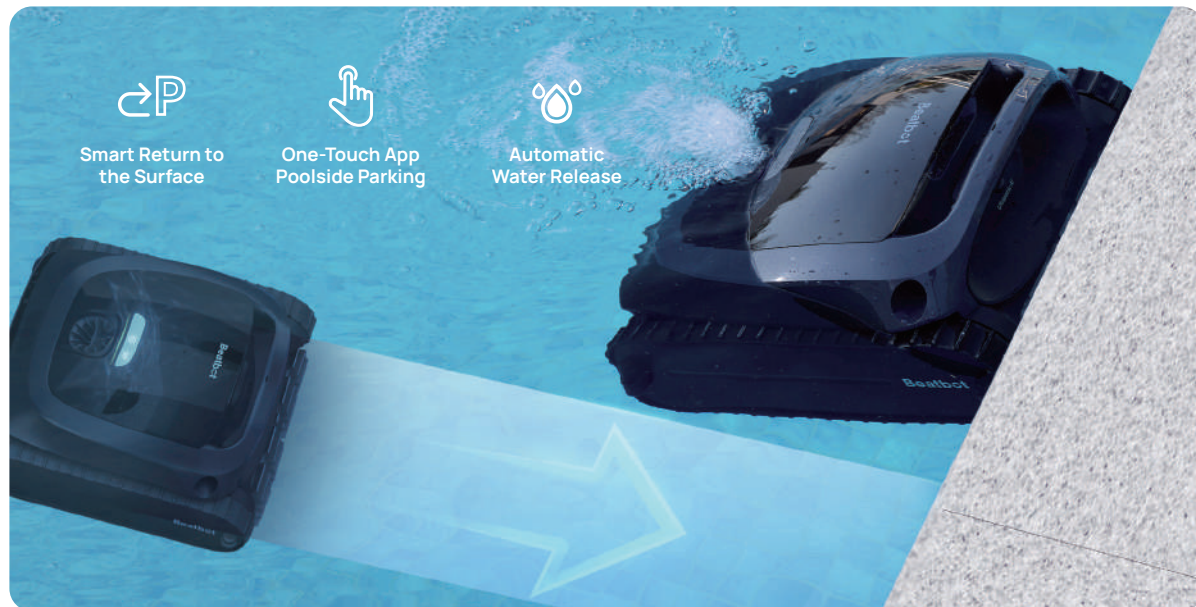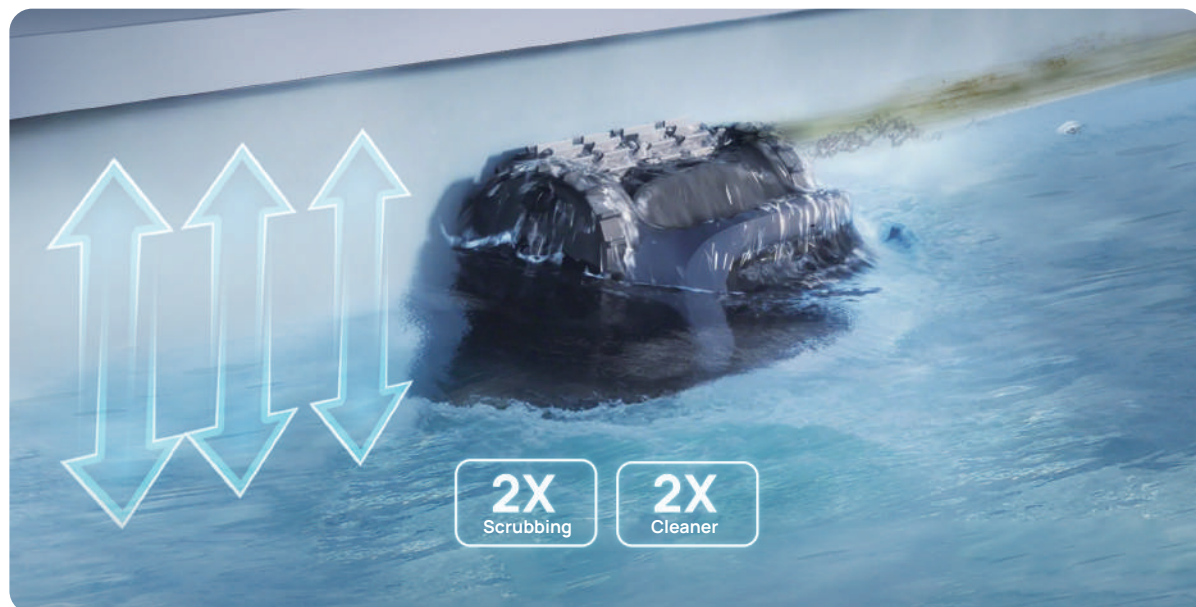
Smart Water Surface Parking & One-Touch App Retrieval

No heavy lifting! AquaSense 2 automatically parks above the surface after cleaning, while SmartDrain™ releases water for lighter retrieval. Plus, use the app's 'Park' button to call it back anytime while on the surface.

Enhanced Waterline Cleaning with Double-Pass Scrubbing

AquaSense 2 scrubs the waterline twice per pass for a deeper, more thorough clean, effortlessly tackling grime and buildup for a spotless finish.

Up to 4 Hours of Continuous Floor Cleaning

Power through pools up to 3,230 sq. ft. with a powerful 10,000mAh battery. Enjoy up to 4 hours of floor cleaning or 3.5 hours of wall and waterline scrubbing on a single charge.

Full Coverage Path Optimization with 16 Sensors

With CleverNav™ advanced navigation, a 4-core CPU, and 16 sensors (including 2 ultrasonic), it optimizes cleaning paths for full coverage, adapts to your pool's shape, and navigates obstacles smoothly.

Safe & Convenient Wireless Charging, Easy Storage

The ergonomic dock provides safe, wireless charging and tidy storage. No tangled cords, no exposed ports—eliminating water intrusion risks and fully recharging AquaSense 2 in just 4 hours.

Durable Automotive-Grade IMR Coating

Shields your robot from sun, heat, and wear, keeping it looking new while protecting internal components. The no-spray process is safe for your pool and the planet.

One Pool Robot to Rule Them All

Beatbot AquaSense Pro

The World's First 5-in-1 Intelligent Pool Cleaning Robot

Specifications

Recommended Pool Size (Pool Bottom)
3,230 square feet (300 square meters)

Cleaning Coverage
Water surface, floor, walls, waterline

6 Cleaning Modes
Floor, Standard, Pro, ECO, Area, MutiZone

Dual Layer Filter
150 μm, 3.7L (outer) / 250 μm, 3.5L (inner)

Connectivity
Wifi connection

Battery Life
Up to 9.5 hours for surface cleaning
Up to 5 hours for floor cleaning

Pioneering 5-in-1 Comprehensive Cleaning

Powered by a 9-motor system, the AquaSense Pro cleans your pool's floor, walls, waterline, while also skimming the water surface and clarifying the water, all in one product.

Skin-Safe & Eco-Friendly ClearWater™ Natural Clarification

Effortlessly clear dirt, oils, and residue using natural recycled crab-shell agents. It automatically binds fine particles for superior filtration.
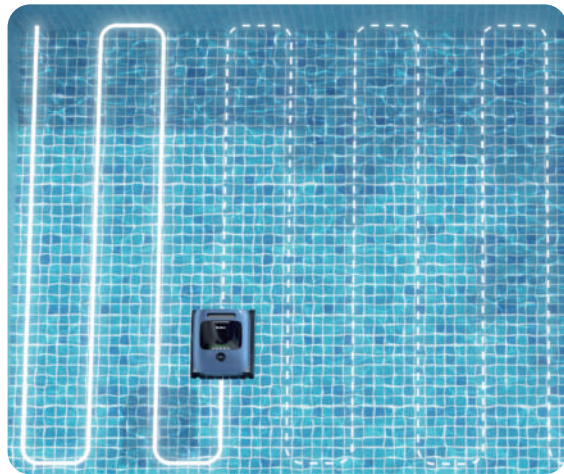

Intelligent Path Optimization with Full Coverage

Powered by a Quad-Core 1.8GHz Processor and 20 smart sensors, our system precisely scans your pool using SonicSense™ ultrasonic sensors. It then intelligently plans the most efficient cleaning paths with CleverNav™ advanced navigation, eliminating overlaps and ensuring full cleaning coverage while seamlessly avoiding obstacles.

Industry-Exclusive Smart Return and Surface Parking

After cleaning or when the battery is low, AquaSense Pro intelligently returns to park, automatically releasing water and positioning itself above the surface near the wall for easy retrieval.
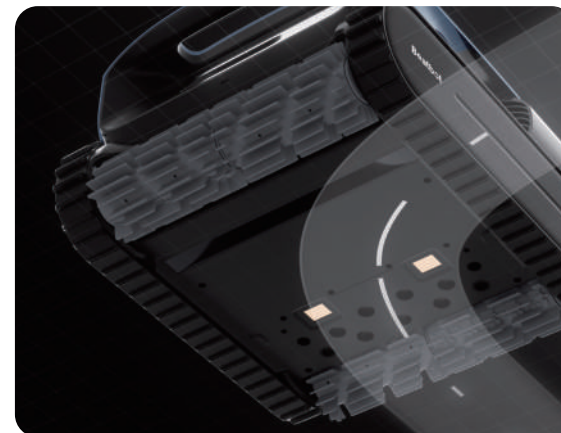
Extra-Long 2x2 Roller Brushes for Wide Coverage

Dual front and back brushes efficiently tackle stains and debris with independent speed and direction for precise turns. Each 146mm brush creates a 305mm cleaning path, covering more ground with every pass.

The World's First NonaDrive™ 9-Motor System

Experience exceptional cleaning with nine motors, including a 200W brushless pump providing 5,500 GPH suction, enabling powerful wall climbing, efficient surface cleaning, and automatic clarifier distribution.
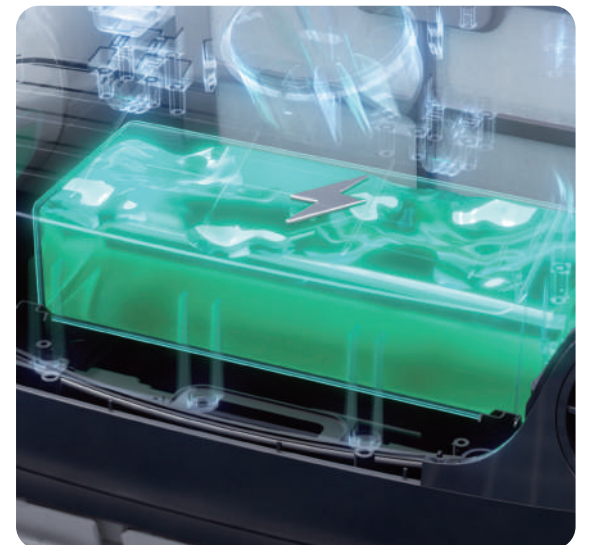
Long-Lasting Power for Uninterrupted Cleaning

With an impressive runtime of up to 9.5 hours for surface cleaning and 5 hours for floor cleaning, the 10400mAh battery ensures your cleaning session goes uninterrupted.

Beatbot AquaSense

The Smarter Choice in Cordless Pool Cleaning

Specifications

Recommended Pool Size (Pool Bottom)
2,260 square feet (210 square meters)

Cleaning Coverage
Floor, walls, waterline

4 Cleaning Modes
Floor, Standard, Area, MutiZone

Single Layer Filter
150 µm, 2L

Connectivity
Wifi connection

Battery Life
Up to 3 hours for floor cleaning
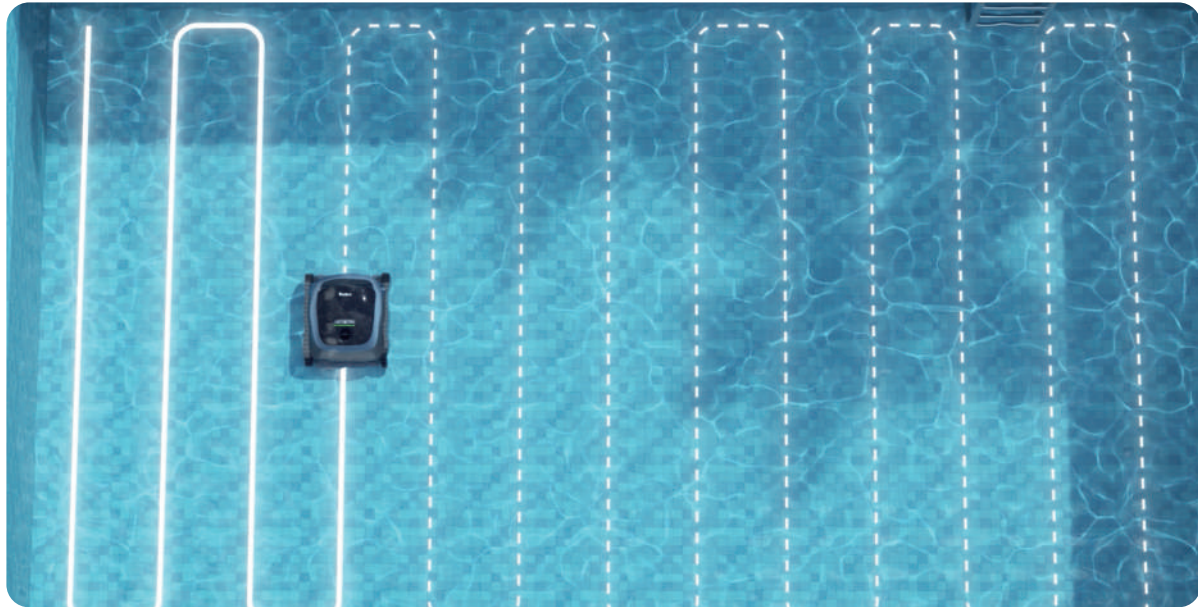
Intelligent Path Optimization with Full Coverage

Powered by a Quad-Core 1.8GHz Processor and 15 smart sensors, our system precisely scans your pool using SonicSense™ ultrasonic sensors. It then intelligently plans the most efficient cleaning paths with C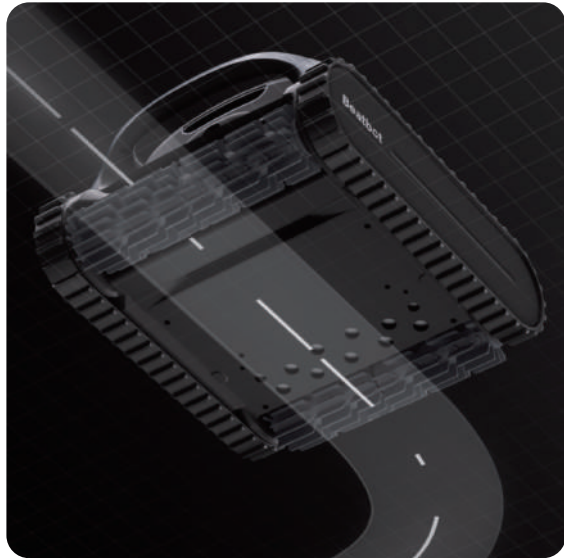leverNav™ advanced navigation, eliminating overlaps and ensuring full cleaning coverage while seamlessly avoiding obstacles.

Extra-Long 2x2 Roller Brushes for Wide Coverage

Dual front and back brushes efficiently tackle stains and debris with independent speed and direction for precise turns. Each 146mm brush creates a 305mm cleaning path, covering more ground with every pass.

Powerful Wall Cleaning with 5500 GPH Suction

The high-efficiency 200W brushless main-pump motor delivers up to 5500 GPH suction, ensuring enhanced grip for powerful wall climbing and thorough suction cleaning.

Cordless Charging and Storage Station

The ergonomic dock provides safe, wireless charging and tidy storage. No tangled cords, no exposed ports—eliminating water intrusion risks and fully recharging AquaSense in just 3 hours.

Industry-Exclusive Smart Return and Waterline Parking

After completing its cleaning cycle or when the battery is low, the AquaSense intelligently returns to the waterline, ensuring effortless retrieval.
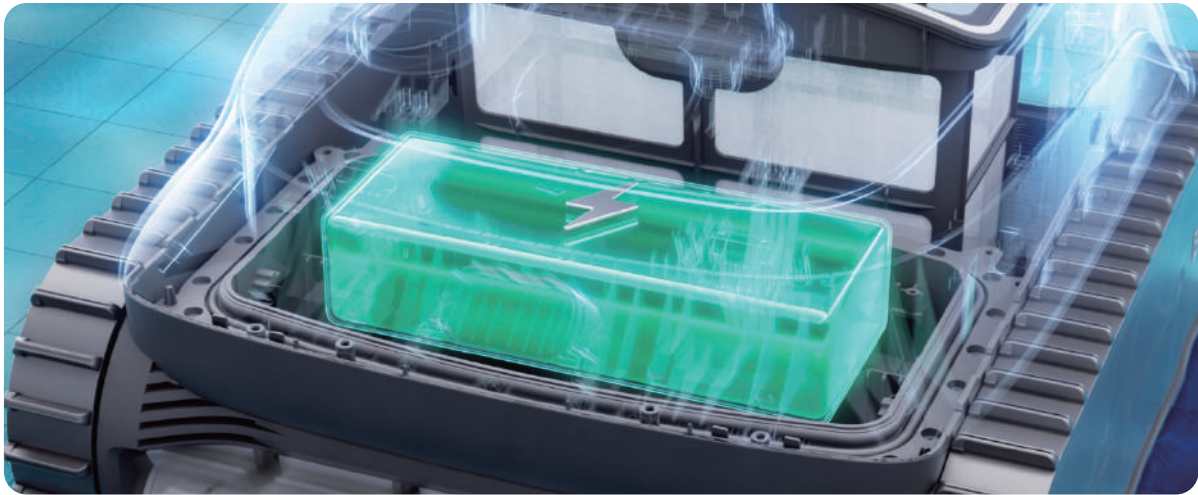
Long-Lasting Power for Uninterrupted Cleaning

With a 6700mAh battery providing up to 3 hours of runtime for floor cleaning, enjoy uninterrupted cleaning sessions.

Ultra Smart, Ultra Clean

Beatbot iSkim Ultra

The World's First Intelligent Robotic Pool Skimmer with Ultra Cleaning and Control Performance

Specifications

Cleaning Coverage
Water surface

Single Layer Filter
380 μm, 9L

2 Cleaning Modes
Automatic or Remote Manual Control via App

Battery Life
Non-stop with sunlight,
Up to 24 hours without sunlight

Connectivity
Wifi + Bluetooth connection

Revolutionary ClearWater™ Clarification System
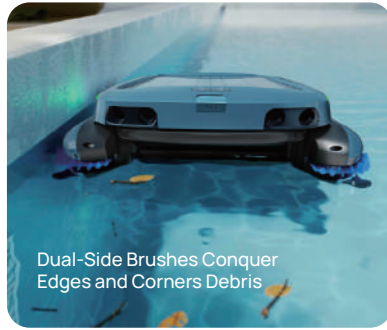
Dual-Side Brushes Conquer Edges and Corners Debris

Industry-First Powerful 7-Motor System

Extra-Large Front Roller Brush Extends Coverage

Superior 9L Filtration Capacity and Anti-Spill Design

Effortless Clarity and Unmatched Skimming Power

Achieve crystal-clear water with precise edge and corner debris cleaning, expansive coverage, and efficient debris removal—all with minimal effort.

24W High-Power Solar Panel with SolarTrack™ Technology

10,000mAh High-Capacity Battery

Bluetooth   Wi-Fi

24/7 Cleaning, Day or Night, Rain or Shine

The high-power solar panel with SolarTrack™ light energy tracking maximizes efficiency in sunlight. When daylight fades or it's cloudy, the high-capacity battery kicks in, ensuring uninterrupted cleaning.

Voice Broadcast

Stay informed with voice broadcasts on cleaning progress and status, making pool maintenance interactive.
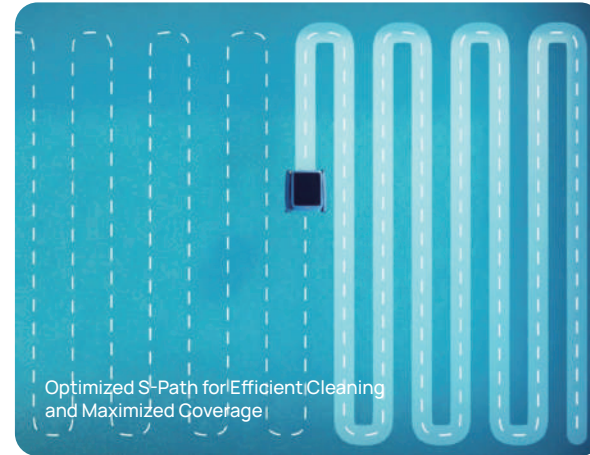
Optimized S-Path for Efficient Cleaning and Maximized Coverage
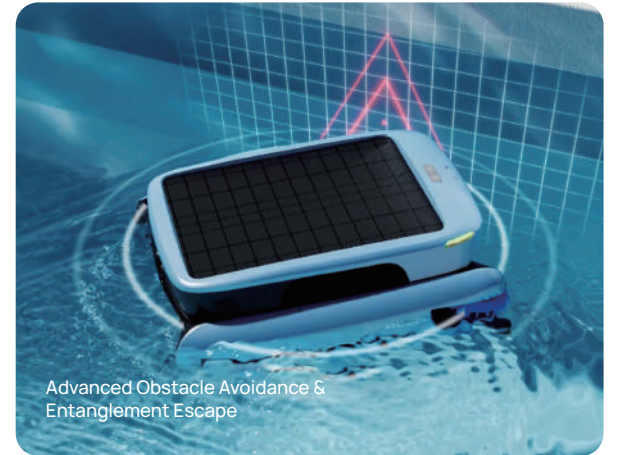
Advanced Obstacle Avoidance & Entanglement Escape

Intelligent Navigation & Comprehensive Coverage

Powered by a robust 120 MHz MCU and 20 high-precision sensors, including tri-ultrasonic, the iSkim Ultra delivers precise pool scanning and efficient navigation. Its high-performance 6-axis IMU and advanced AI algorithms ensure drone-level stability, optimized paths, and uninterrupted cleaning in any environment.
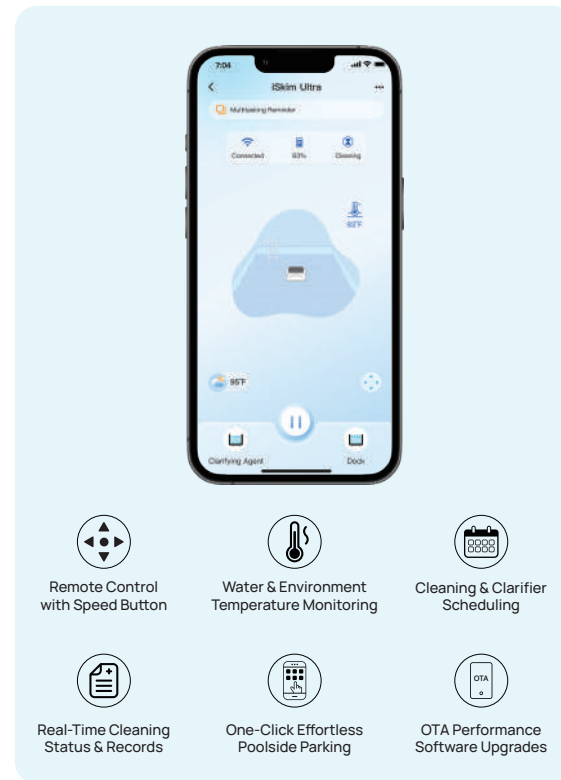
Remote Control with Speed Button

Water & Environment Temperature Monitoring

Cleaning & Clarifier Scheduling

Real-Time Cleaning Status & Records

One-Click Effortless Poolside Parking

OTA Performance Software Upgrades

Advanced App and Remote Control

Enjoy hassle-free cleaning control directly from your smartphone.
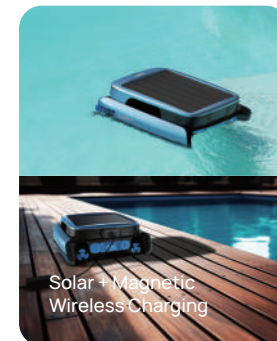
Solar + Magnetic Wireless Charging
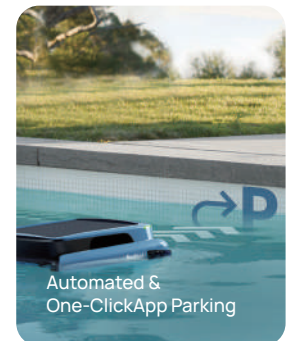
Automated & One-ClickApp Parking

One-Press Debris Release with Full Opening

Effortless Maintenance and All-Weather Dual Charging

Beatbot Cares

Superior Protection, Exceptional Experience

Built with UV and heat-resistant automotive-grade IMR coating, backed by 15 certifications and 200+ rigorous quality tests, our robots offer industry-leading reliability and protection with 3-year [1] full machine replacement instead of repairs.

3-Year
Full Replacement
Warranty

Automotive-Grade IMR Coating for Extreme Outdoor Durability

15+ Certifications

200+ Rigorous Tests

Industry-leading Sustainability

Hydrodynamic Design

Our robots incorporate an energy-saving hydrodynamic design, maximizing efficiency by minimizing resistance in water flow, thereby reducing energy consumption.

Recycled Materials

Our packaging, certified by TPCH, is made from recycled materials, reducing waste and ensuring environmentally responsible practices throughout our supply chain.

Natural Clarifiers

Our eco-friendly clarifiers, derived from recycled crab shells sourced from the restaurant industry, offer a powerful solution that minimizes chemical usage, extends pool water lifespan, and fosters a healthier environment.

Renewable Energies

We've developed cutting-edge solar technologies and recently launched our first solar-powered pool skimmer, boasting the highest energy efficiency in the industry. Additionally, we are committed to developing more renewable energy-powered robots in the future, reducing our reliance on non-renewable energy sources.
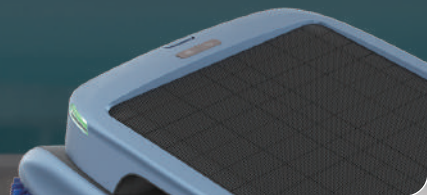
1. 3-year warranty for the AquaSense 2 Series and AquaSense Pro. The AquaSense and iSkim Ultra warranty is 2 years.

Unmatched Versatility for Every Pool

Any Pool. Any Shape. Any Material. Any Area.

The Beatbot AquaSense Series sets a new standard in pool cleaning versatility. No matter the type of pool, its shape, material, or the area to be cleaned, our robots rise to the challenge.

From the floor to the walls, waterline, and water surface, our robots deliver thorough and comprehensive cleaning.

Any Pool Type:
In-ground / Above Ground

Any Pool Shape:
Geometric / Free Shape

Any Pool Material:
Concrete / Ceramic Tiles / Vinyl / Fiberglass

Beatbot
App Integration

Tailored and Effortless Cleaning Control

The Beatbot App puts you in control of your pool maintenance. With its intuitive features, you can customize cleaning sessions and stay informed about your pool's condition, ensuring your pool cleaning experience is effortless and efficient.

Our Beatbot App offers:

- **Select Cleaning Modes:** Choose from multiple modes or customize your own.
- **Status Updates:** Get real-time updates on cleaning progress and Wi-Fi status.
- **Notification Alerts:** Receive timely updates to stay informed.
- **Cleaning Records:** Access your cleaning history anytime.
- **OTA Software Updates:** Easily update your robot for enhanced performance.
- **Remote Control[1] with Speed Button:** Target specific areas for spot cleaning and added fun.
- **Water & Environment Monitoring[1]:** Check pool conditions for ideal swimming temperatures.
- **Cleaning & Clarifier Scheduling[1]:** Schedule sessions to fit your routine and save time.
- **One-Click Poolside Parking[2]:** Bring your robot back anytime you need it with a single click.
- **Pool Map and Cleaning Paths Visualization[3]:** See your pool's layout and track cleaning routes.
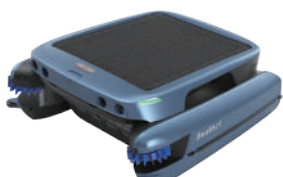
Notes:
1. Available for AquaSense 2 Ultra, AquaSense 2 Pro and iSkim Ultra.
2. Available for the AquaSense 2 Series and iSkim Ultra.
3. Available with the AquaSense 2 Ultra for even complex pools, for the AquaSense 2 Pro, AquaSense 2, AquaSense Pro and AquaSense, it will be available for standard shaped pools.

Comparison of Products Features

Model	Beatbot AquaSense 2 Ultra	Beatbot AquaSense 2 Pro	Beatbot AquaSense 2	Beatbot AquaSense Pro	Beatbot AquaSense	Beatbot iSkim Ultra
Cordless	✔	✔	✔	✔	✔	✔
Solar Powered	✘	✘	✘	✘	✘	✔
Cleaning Coverage Areas	Water surface, floor, walls, waterline	Water surface, floor, walls, waterline	Floor, walls, waterline	Water surface, floor, walls, waterline	Floor, walls, waterline	Water surface
ClearWater™ Clarifying Technology	✔	✔	✘	✔	✘	✔
HybridSense™ Mapping with AI Camera	✔	✘	✘	✘	✘	✘
AI-Powered Cruise Debris Detection	✔	✘	✘	✘	✘	✘
AI Adaptive multi-level platform cleaning	✔	✘	✘	✘	✘	/
Elevated Platform Cleaning via Multizone Mode	✔	✔	✔	✔	✔	/
SonicSense™ Ultrasonic Sensors	✔	✔	✔	✔	✔	✔
CleverNav™ Smart Navigation System	Pool floor and surface: S-shaped cleaning pattern; Pool walls and waterline: N-shaped cleaning pattern	Pool floor and surface: S-shaped cleaning pattern; Pool walls and waterline: N-shaped cleaning pattern	Pool floor: S-shaped cleaning pattern; Pool walls and waterline: N-shaped cleaning pattern	Pool floor and surface: S-shaped cleaning pattern; Pool walls and waterline: N-shaped cleaning pattern	Pool floor: S-shaped cleaning pattern; Pool walls and waterline: N-shaped cleaning pattern	Pool surface: S-shaped cleaning pattern
Obstacle Detection and Self-Extrication Ability	✔	✔	✔	✔	✔	✔
Cleaning Modes	6 Modes: Floor Mode: Cleans the floor only (1 time). Standard Mode: Cleans the floor, walls, and waterline (1 time). Pro mode: Cleans the floor, walls, waterline and water surface (1 time). ECO mode: Cleans the floor every other day (1 time). Area Mode: Cleans any area or combination of areas (1 or 2 times). MultiZone Mode: Cleans the floor, walls, waterline, large steps, and platforms.	6 Modes: Floor Mode: Cleans the floor only (1 time). Standard Mode: Cleans the floor, walls, and waterline (1 time). Pro mode: Cleans the floor, walls, waterline and water surface (1 time). ECO mode: Cleans the floor every other day (1 time). Area Mode: Cleans any area or combination of areas (1 or 2 times). MultiZone Mode: Cleans the floor, walls, waterline, large steps, and platforms.	4 Modes: Floor Mode: Cleans the floor only (1 time). Standard Mode: Cleans the floor, walls, and waterline (1 time). Area Mode: Cleans any area or combination of areas (1 or 2 times). MultiZone Mode: Cleans the floor, walls, waterline, large steps, and platforms.	6 Modes: Floor Mode: Cleans the floor only (1 time). Standard Mode: Cleans the floor, walls, and waterline (1 time). Pro mode: Cleans the floor, walls, waterline and water surface (1 time). ECO mode: Cleans the floor every other day (1 time). Area Mode: Cleans any area or combination of areas (1 or 2 times). MultiZone Mode: Cleans the floor, walls, waterline, large steps, and platforms.	4 Modes: Floor Mode: Cleans the floor only (1 time). Standard Mode: Cleans the floor, walls, and waterline (1 time). Area Mode: Cleans any area or combination of areas (1 or 2 times). MultiZone Mode: Cleans the floor, walls, waterline, large steps, and platforms.	2 Modes Automatic Manual Remote via App
Manual Remote Navigation Control	(Via App / Surface Only)	(Via App / Surface Only)	✘	✘	✘	(Via App / Surface Only)
App Parking Button	✔	✔	✔	✘	✘	✔
Water Surface Parking	✔	✔	✘	✔	✘	✔
SmartDrain™ Automatic Water Release	✔	✔	✔	✔	✘	/
Beatbot APP Integration	✔	✔	✔	✔	✔	✔
Voice Broadcast	✔	✘	✘	✘	✘	✔
Cleaning Records	✔	✔	✔	✔	✔	✔
Environment & Water Temperature	✔	✔	✘	✘	✘	✔
Side brushes	✔	✘	✘	✘	✘	✔
OTA Performance Updates	✔	✔	✔	✔	✔	✔

Comparison of Products Specifications

Model	Beatbot AquaSense 2 Ultra	Beatbot AquaSense 2 Pro	Beatbot AquaSense 2
Product Category	Robotic Pool Cleaner	Robotic Pool Cleaner	Robotic Pool Cleaner
Product Type	Cordless	Cordless	Cordless
General Information			
Pool Type	Above ground & in-ground pools	Above ground & in-ground pools	Above ground & in-ground pools
Pool Shape	All shapes, such as rectangular, round, kidney, and freeform	All shapes, such as rectangular, round, kidney, and freeform	All shapes, such as rectangular, round, kidney, and freeform
Recommended Pool Size	360 square meters (3,875 square feet)	360 square meters (3,875 square feet)	300 square meters (3,230 square feet)
Pool Materials	All materials including concrete, ceramic tiles, vinyl, and fiberglass	All materials including concrete, ceramic tiles, vinyl, and fiberglass	All materials including concrete, ceramic tiles, vinyl, and fiberglass
In-Box Content	Robotic pool cleaner, charging dock, clarifying agent kit, hook, screwdriver, screws for side brush (x4), dust bag, quick start guide, user manual	Robotic pool cleaner, charging dock, clarifying agent kit, hook, quick start guide, user manual	Robotic pool cleaner, charging dock, hook, quick start guide, user manual
Cleaning Power and Filtration			
Motors	11 motors	9 motors	4 motors
Brushes	2 side brushes 4 bottom roller brushes: Dual-Group Roller Brush System with differential speed (Front and rear: 2 x 2 sets) 1 front roller brush	4 bottom roller brushes: Dual-Group Roller Brush System with differential speed (Front and rear: 2 x 2 sets) 1 front roller brush	4 bottom roller brushes: Dual-Group Roller Brush System with differential speed (Front and rear: 2 x 2 sets)
Number of Suction Ports	2 ports (top front and bottom)	2 ports (top front and bottom)	1 port (bottom)
Filters Type	Polyester	Polyester	Polyester
Filters Access	Top access	Top access	Top access
Filtration Layers	2 layers (one larger & one thinner)	2 layers (one larger & one thinner)	1 layer
Filters Density	150 µm (outer) / 250 µm (inner)	150 µm (outer) / 250 µm (inner)	150 µm
Filter Baskets Capacity	Outer dust box 4.0L / Inner dust box 3.7L	Outer dust box 3.7L / Inner dust box 3.5L	2L

Model	Beatbot AquaSense Pro	Beatbot AquaSense	Beatbot iSkim Ultra
Product Category	Robotic Pool Cleaner	Robotic Pool Cleaner	Robotic Pool Skimmer
Product Type	Cordless	Cordless	Cordless & solar-powered
General Information			
Pool Type	Above ground & in-ground pools	Above ground & in-ground pools	Above ground & in-ground pools
Pool Shape	All shapes, such as rectangular, round, kidney, and freeform	All shapes, such as rectangular, round, kidney, and freeform	All shapes, such as rectangular, round, kidney, and freeform
Recommended Pool Size	300 square meters (3,230 square feet)	210 square meters (2,260 square feet)	/
Pool Materials	All materials including concrete, ceramic tiles, vinyl, and fiberglass	All materials including concrete, ceramic tiles, vinyl, and fiberglass	All materials including concrete, ceramic tiles, vinyl, and fiberglass
In-Box Content	Robotic pool cleaner, charging dock, hook, quick start guide, user manual	Robotic pool cleaner, charging dock, hook, quick start guide, user manual	Robotic pool skimmer, clarifying agent kit, Magnetic Wireless Charger, hook, screwdriver, screws for roller brush (x4), screws for side brush (x4), user manual, quick start guide, after-sales service card
Cleaning Power and Filtration			
Motors	9 motors	3 motors	7 motors
Brushes	4 bottom roller brushes: Dual-Group Roller Brush System with differential speed (Front and rear: 2 x 2 sets) 1 front roller brush	4 bottom roller brushes: Dual-Group Roller Brush System with differential speed (Front and rear: 2 x 2 sets)	2 side brushes 1 front roller brush
Number of Suction Ports	2 ports (top front and bottom)	1 port (bottom)	1 port (top front)
Filters Type	Polyester	Polyester	Nylon mesh
Filters Access	Top access	Top access	Front access
Filtration Layers	2 layers (one larger & one thinner)	1 layer	1 layer
Filters Density	150 µm (outer) / 250 µm (inner)	150 µm	380 µm
Filter Baskets Capacity	Outer dust box 3.7L / Inner dust box 3.5L	2L	9L

Comparison of Products Specifications

Model	Beatbot AquaSense 2 Ultra	Beatbot AquaSense 2 Pro	Beatbot AquaSense 2
Advanced Technology, OS, and Connectivity			
Hardware Components	Quad-core Cortex-A7 1.8GHz industrial-grade CPU, MCU, DDR RAM, flash storage, and 27 smart sensors (hybrid fusion including AI Camera with dual TOF, 2 Infrared, and 4 Ultrasonic Sensors)	Quad-core Cortex-A7 1.8GHz industrial-grade CPU, MCU, DDR RAM, flash storage, and 22 smart sensors (including dual IMU and dual ultrasonic sensors)	Quad-core Cortex-A7 1.8GHz industrial-grade CPU, MCU, DDR RAM, flash storage, and 16 smart sensors (including dual IMU and dual ultrasonic sensors)
Operating System	Beatbot OS	Beatbot OS	Beatbot OS
Connectivity	Wifi + Bluetooth connection	Wifi + Bluetooth connection	Wifi + Bluetooth connection
Battery			
Runtime	Up to 10 hours (surface cleaning) Up to 5 hours (floor cleaning) Up to 5 hours (walls + waterline cleaning)	Up to 11 hours (surface cleaning) Up to 5 hours (floor cleaning) Up to 5 hours (walls + waterline cleaning)	Up to 4 hours (floor cleaning) Up to 3.5 hours (walls + waterline cleaning)
Battery Capacity & Type	13,400 mAh Lithium Ion	13,400 mAh Lithium Ion	10,000 mAh Lithium Ion
Charging Time	Approx. 4.5h, quick 88W charging	Approx. 4.5h, quick 88W charging	Approx. 4h, quick 88W charging
Charging Method	Wireless dock charging station	Wireless dock charging station	Wireless dock charging station
Design			
Guidance protective wheels	6	4	4
Control Buttons	1 power switch key + 4 mode keys	1 power switch key + 4 mode keys	1 power switch key + 2 mode keys
Status Display	LED strip + button light + voice broadcast	LED strip + button light	LED strip + button light
Overall Robot Weight	29.1 lbs (13.2 kg)	25.08 lbs (11.38 kg)	23.08 lbs (10.47 kg)
Overall Robot Dimensions	1.49 (L) ft x 1.44 (W) ft x 0.91 (H) ft 454 (L) mm x 439 (W) mm x 278 (H) mm	1.48 (L) ft x 1.43 (W) ft x 0.88 (H) ft 452 (L) mm x 434 (W) mm x 267 (H) mm	1.48 (L) ft x 1.43 (W) ft x 0.76 (H) ft 451 (L) mm x 435 (W) mm x 233 (H) mm
Reliability			
Waterproof Protection	IP68 (robot), IP54 (charging dock)	IP68 (robot), IP54 (charging dock)	IP68 (robot), IP54 (charging dock)
Recommended water depth	1.64 ft to 9.84 ft / 0.5 m to 3 m	1.64 ft to 9.84 ft / 0.5 m to 3 m	1.64 ft to 9.84 ft / 0.5 m to 3 m

Model	Beatbot AquaSense Pro	Beatbot AquaSense	Beatbot iSkim Ultra
Advanced Technology, OS, and Connectivity			
Hardware Components	Quad-core Cortex-A7 1.8GHz industrial-grade CPU, MCU, DDR RAM, flash storage, and 20 smart sensors (including dual IMU and dual ultrasonic sensors)	Quad-core Cortex-A7 1.8GHz industrial-grade CPU, MCU, DDR RAM, flash storage, and 15 smart sensors (including dual IMU and dual ultrasonic sensors)	MCU, 20 sensors (including 3 Ultrasonic sensors: 2 on the water surface + 1 underwater + 6-axis IMU)
Operating System	Beatbot OS	Beatbot OS	Beatbot OS
Connectivity	Wifi connection	Wifi connection	Wifi + Bluetooth connection
Battery			
Runtime	Up to 5 hours (floor cleaning) up to 9.5 hours (surface cleaning)	Up to 3 hours (floor cleaning)	Non-stop with sunlight, up to 24 hours without sunlight
Battery Capacity & Type	10,400 mAh Lithium Ion	6,700 mAh Lithium Ion	10,000 mAh Lithium Ion
Charging Time	Approx. 3.5h, quick 88W charging	Approx. 3h, quick 88W charging	Approx. 5h, 24W solar panel + 24W magnetic wireless charger
Charging Method	Wireless dock charging station	Wireless dock charging station	Solar & Magnetic wireless charging
Design			
Guidance protective wheels	/	/	4
Control Buttons	LED strip + button light	LED strip + button light	LED strip + button light + voice broadcast
Status Display	LED strip + button light + voice broadcast	LED strip + button light	LED strip + button light
Overall Robot Weight	24.25 lbs (11 kg)	20.5 lbs (9.3 kg)	16.98 lbs (7.7kg)
Overall Robot Dimensions	1.48 (L) ft x 1.32 (W) ft x 0.86 (H) ft 451 (L) mm x 403 (W) mm x 263 (H) mm	1.48 (L) ft x 1.32 (W) ft x 0.76 (H) ft 451 (L) mm x 403 (W) mm x 233 (H) mm	1.76 (L) ft x 1.68 (W) ft x 0.74 (H) ft 537.2 (L) mm x 511 (W) mm x 227.5 (H) mm
Reliability			
Waterproof Protection	IP68 (robot), IP54 (charging dock)	IP68 (robot), IP54 (charging dock)	IP68 (robot)
Recommended water depth	1.64 ft to 9.84 ft / 0.5 m to 3 m	1.64 ft to 9.84 ft / 0.5 m to 3 m	≥0.1m (for optimal scanning and S-path planning)