

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

Redefine Smart Pool Care



**Beatbot**



# About Beatbot



Beatbot is a technology brand dedicated to the global robotization of swimming pool environments. Founded by industry experts with over 10 years of experience in leading home robotics companies, the company is growing rapidly, with offices in multiple countries including the US.

The brand aims to lead the world in intelligent, all-in-one pool care robotics, inheriting the legacy of top-tier home robotics companies, and driven by a commitment to product excellence.

Beatbot's mission is to redefine 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!

**Redefine  
Smart Pool Care**

# 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 over 162 patents (granted and under application), including more than 64 patents for inventions.

Our robots leverage the power of the most advanced multi-sensor fusion AI algorithms and cutting-edge industry technology. This includes our powerful Beatbot OS, which features a quad-core Cortex-A7 1.8GHz industrial-grade CPU, MCU, DDR RAM, and flash storage, along with 20 smart sensors (including dual IMU and dual ultrasonic sensors). With patented industry-first features, pioneering sensors, and chips, our robots navigate your pool with flawless precision.



# 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.



# 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.



# Beatbot

World's  
**1st**

**FIVE**  
IN  
**ONE**

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

# Beatbot A100 Pro

One Pool Robot to Rule Them All



Industry-exclusive Smart Return  
and Surface Parking  
for Ultimate Convenience



Best Intelligent Path  
Optimization Powered by  
Quad-Core 1.8GHz Processor



Industry-Exclusive Intelligent  
Return to Starting Point  
and Surface Parking



Powerful Wall Cleaning with  
Brushless Main-Pump Motor  
up to 5500 GPH Suction



Customized  
Cleaning Control  
with the Beatbot APP

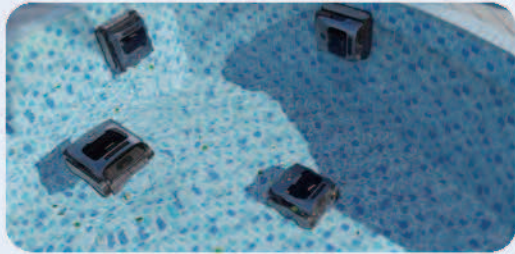


Award-Winning  
and Eco-Friendly  
Cordless Submarine  
Propulsion Design



## Pioneering 5-in-1 Comprehensive Cleaning

Powered by a 9-motor system, the A100 Pro is the only robot that masterfully cleans your pool's floor, walls, waterline, while also skimming the water surface and clarifying the water, all in one product.



## Revolutionary ClearWater™ Clarifying Technology

Introducing our industry-first ClearWater™ clarifying system, which automatically dispenses a powerful and eco-friendly natural clarifier solution. Swiftly removing dirt, oils, and residue, it prevents scum buildup and discoloration due to metals, ensuring effortless and pristine water clarity.



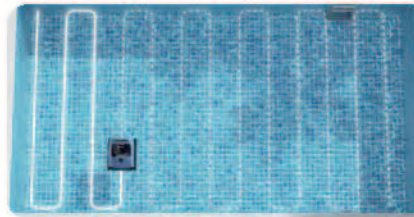
## The World's First NonaDrive™ 9-Motor System

Experience unparalleled cleaning and mobility with nine powerful motors, featuring a high-efficiency 200W brushless main pump motor that delivers up to 5500 GPH suction. This setup provides enhanced grip for powerful wall climbing, suction capability, and agile directional control. Additionally, the system distributes clarifying agents and enables efficient water surface cleaning with surface propeller motors.



## Best Intelligent Path Optimization with Full Coverage

Powered by a Quad-Core 1.8GHz Processor and 20 smart sensors, our system precisely maps 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<sup>1</sup>

After completing its cleaning cycle or when the battery is low, the A100 Pro intelligently returns to park. It automatically releases water and parks above the surface near the wall, ensuring effortless retrieval.



## Award-Winning Cordless Submarine Propulsion Design

The Award-Winning design is totally cordless, and Eco-Friendly with an hydrodynamic Submarine Propulsion Design, allowing the robot to smoothly dive under water and also raise to the surface.

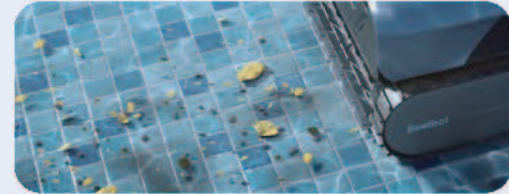
## Extra-Long 2x2 Roller Brushes for Wide Coverage

Utilizing DuoSpeedFlex™ technology with two sets of brushes (front and back)—for efficient stain and debris removal. Independent operation at variable speeds ensures precise turning control. With a 146mm(5.75 inch) design for each brush, offering a wide 305mm(12 inch) cleaning path, covering more ground in each pass.



## Powerful Dual-Layer Ultra-Fine Filtration

Featuring a generous 3.5L(0.92gal) capacity, the filters efficiently capture debris, from small stones and leaves to ultra-dry particles like sand up to 150µm(0.006inch), along with oils and lotions. With automatic detection, an anti-clogging design, convenient top access, and easy cleaning, maintenance is a breeze.



## Customized Cleaning Control with the Beatbot APP

Select or customize cleaning modes, track cleaning history, perform OTA software updates, and more—all conveniently at your fingertips.



## Cordless Charging and Storage Station

Simply place your A100 Pro on the dock contact station for quick 88W charging in under 3.5 hours. Its ergonomic vertical position ensures easy handling and convenient storage when not in use.

## 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.



Notes:  
1. If not retrieved from the edge within 20 minutes, the propellers will stop working. Depending on the water movement, especially if the pool pump is on, the robot will continue to float on the surface but may drift slightly away from the edge of the pool.

# Beatbot

## Beatbot A100

The Smarter Choice in Cordless  
Pool Cleaning



Best Intelligent Path  
Optimization Powered by  
Quad-Core 1.8GHz Processor



Superior Cleaning Efficiency  
and Coverage with 2x2  
Independent Roller Brushes



Powerful Wall Cleaning with  
Brushless Main-Pump Motor  
up to 5500 GPH Suction



Industry-exclusive Smart Return  
and Surface Parking  
for Ultimate Convenience



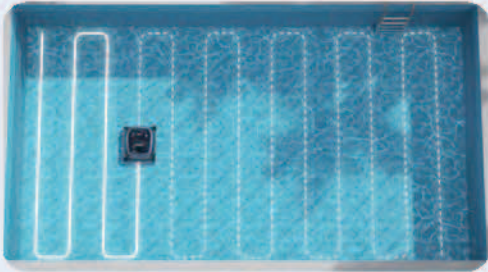
Extreme Safety and Reliability  
with 15 Certifications,  
including ETL, CEC, and IP68



Customized  
Cleaning Control  
with the Beatbot APP

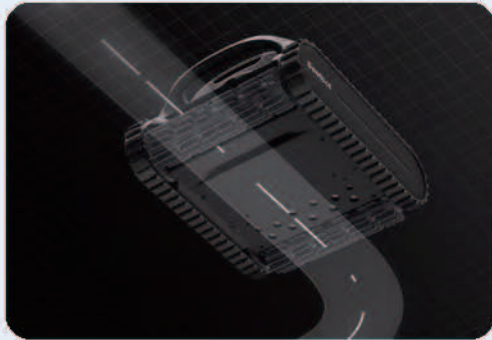
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## Extra-Long 2x2 Roller Brushes for Wide Coverage

Utilizing DuoSpeedFlex™ technology with two sets of brushes (front and back)—for efficient stain and debris removal. Independent operation at variable speeds ensures precise turning control. With a 146mm (5.75 inch) design for each brush, offering a wide 305mm (12 inch) cleaning path, covering more ground in each 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.

## Comprehensive Pool Cleaning

Delivering a complete clean by meticulously addressing the floor, walls, and waterline for a perfectly pristine pool.



## Cordless Award-Winning Design

Experience the sleek, hydrodynamic, and award-winning **eco-friendly** design, enhanced with **cordless** convenience. Enjoy direct access to cleaning modes and monitor real-time battery status through an **intuitive interface**.



## Customized Cleaning Control with the Beatbot APP

Select or customize **cleaning modes**, track **cleaning history**, perform **OTA software updates**, and more—all conveniently at your fingertips.

## Ultra-Fine Filtration

Efficiently captures debris of various sizes, from small stones and leaves to particles as tiny as 150µm (0.006 inch), along with oils and lotions. With automatic detection, convenient top access, and effortless cleaning, maintenance becomes a breeze.



## Cordless Charging and Storage Station

Simply place your A100 on the dock contact station for quick 88W charging in under 3 hours. Its ergonomic vertical position ensures easy handling and convenient storage when not in use.

## Industry-Exclusive Smart Return and Waterline Parking<sup>1</sup>



After completing its cleaning cycle or when the battery is low, the A100 intelligently returns to park at 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.



Notes:  
1. If not retrieved from the waterline within 10 minutes, the robot automatically returns to the pool floor.

# Unmatched Versatility for Every Pool

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

The Beatbot A100 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<sup>1</sup>, our robots deliver thorough and comprehensive cleaning.

## Compatible with:



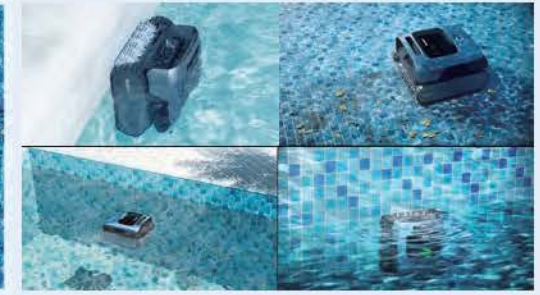
**Any Pool Type:**  
In-ground / Above Ground



**Any Pool Shape:**  
Geometric / Free Shape



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



**Any Pool Area:**  
Floor / Walls /  
Waterline / Surface

Notes:  
1. Surface cleaning is exclusively available with the Pro version.



# Beatbot App Integration

## Tailored and Effortless Cleaning Control

The Beatbot App allows users to select and customize cleaning modes, view cleaning history, perform OTA software updates, and more, granting unrivaled control over pool maintenance.

### Our Beatbot App offers:

- **Select Cleaning Modes<sup>1</sup>:** Choose or customize according to your needs.
- **Status Updates<sup>2</sup>:** Stay informed on progress.
- **Notification Alerts:** Receive timely notifications.
- **Cleaning Records:** Access your history.
- **OTA Software Updates:** Get performance optimizations.



Notes:

1. A100 Pro offers five cleaning modes, while A100 features three cleaning modes, each including a customized mode.
2. Status updates are provided on the WiFi connection and cleaning progress.

# Comparison of Products Features



Model	Beatbot A100 Pro	Beatbot A100
<b>Type</b>	Cordless	Cordless
<b>Cleaning Coverage Areas</b>	Surface, floor, walls, waterline	Floor, walls, waterline
<b>ClearWater™ Clarifying Technology</b>	✓	✗
<b>SonicSense™ Ultrasonic Sensors (Pool Mapping and Obstacle Avoidance)</b>	✓	✓
<b>CleverNav™ Smart Navigation System (Optimized Path Planning)</b>	✓	✓
<b>NonaDrive™ 9-Motor System</b>	✓	✗ (3 motors)
<b>Beatbot App Integration</b>	✓	✓
<b>Cleaning Modes</b>	5 Modes: Quick mode: floor (1 time) Standard mode: floor, walls and waterline (1 time) Pro mode: floor, walls, waterline and surface (1 time) ECO mode: cleans the floor every other day (1 time) Custom mode: Clean any area or combination of areas of your choice (1 or 2 times), including water surface only.	3 Modes: Quick mode: floor (1 time) Standard mode: floor, walls and waterline (1 time) Custom mode: Clean any area or combination of areas of your choice (1 or 2 times).
<b>Cleaning Patterns</b>	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
<b>DuoSpeedFlex™ Dual-Group Roller Brush System</b>	✓	✓
<b>Dual-Layer Filtration</b>	✓	✗ (1 layer)
<b>AquaGlide™ Simulated Flight Propulsion Design</b>	✓	✗
<b>Automatic Parking</b>	✓ On the Water Surface <sup>1</sup>	✓ On the Wall (at the Waterline <sup>2</sup> )
<b>SmartDrain™ Advanced Submarine-Inspired Automatic Water Release</b>	✓	✗ (9-second quick release)
<b>Convenient Dock Charging and Storage</b>	✓	✓
<b>Easy access to top loaded filters</b>	✓	✓
<b>OTA performance updates</b>	✓	✓

**Notes:**

1. If not retrieved from the edge within 20 minutes, the propellers will stop working. Depending on the water movement, especially if the pool pump is on, the robot will continue to float on the surface but may drift slightly away from the edge of the pool.

2. If not retrieved from the waterline within 10 minutes, the robot automatically returns to the pool floor.

# Comparison of Products Specifications



Model	Beatbot A100 Pro	Beatbot A100
<b>General Information</b>		
<b>Pool Type</b>	Above ground & In-ground pools	Above ground & in-ground pools
<b>Pool Shape</b>	All shapes, such as rectangular, round, kidney, and freeform	All shapes, such as rectangular, round, kidney, and freeform
<b>Recommended Pool Size (Pool Bottom Area)</b>	300 square meters (3229 square feet)	210 square meters (2260 square feet)
<b>Pool Materials</b>	All materials including concrete, ceramic tiles, vinyl, and fiberglass	All materials including concrete, ceramic tiles, vinyl, and fiberglass
<b>In-box Content</b>	Robotic pool cleaner, charging dock, hook, quick start guide, user manual	Robotic pool cleaner, charging dock, hook, quick start guide, user manual
<b>Cleaning Power and Filtration</b>		
<b>Motors</b>	NonaDrive™ 9-Motor System	3-Motor System
<b>Brushes</b>	DuoSpeedFlex™ Dual-Group Roller Brush System with differential speed (Front and rear: 2 x 2 sets)	DuoSpeedFlex™ Dual-Group Roller Brush System with differential speed (Front and rear: 2 x 2 sets)
<b>Number of Suction Ports</b>	2 ports (top front and bottom)	1 port (bottom)
<b>Suction Power (GPH)</b>	Max 5500 GPH	Max 5500 GPH
<b>Filters Type</b>	Polyester	Polyester
<b>Filters Access</b>	Top access	Top access
<b>Filters Number</b>	2 (one larger & one thinner)	1
<b>Filters Density</b>	Outer 150 um—Inner 250um/ Outer 0.006 Inch—Inner 0.01 Inch	150um/0.006 Inch
<b>Filter Baskets Capacity</b>	3.5L/0.92 gal	2L/0.53 gal
<b>Advanced Technology, OS, and Connectivity</b>		
<b>Hardware Components</b>	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 20 smart sensors (including dual IMU and dual ultrasonic sensors)
<b>Operating System</b>	Beatbot OS	Beatbot OS
<b>Connectivity</b>	Wifi connection	Wifi connection
<b>Battery</b>		
<b>Runtime</b>	Up to 5 hours (floor cleaning) Up to 9.5 hours (surface cleaning)	Up to 3 hours (floor cleaning)
<b>Battery Capacity &amp; Type</b>	10,400 mAh Lithium Ion	6,700 mAh Lithium Ion
<b>Charging Time</b>	Approx. 3.5h, quick 88W charging	Approx. 3h, quick 88W charging
<b>Charging Method</b>	Dock Charging Station	Dock Charging Station
<b>Design</b>		
<b>Control Buttons</b>	1 power switch key + 4 mode keys	1 power switch key + 2 mode keys
<b>Overall Robot Weight</b>	11kg/24.2 lb	9.3kg/20.5 lb
<b>Robot Dimensions</b>	451(L) mm x 403 (W) mm x 263 (H) mm/ 1.48(L) ft x 1.32 (W) ft x 0.86 (H) ft	451 (L) mm x 403 (W) mm x 233 (H) mm/ 1.48 (L) ft x 1.32 (W) ft x 0.76 (H) ft
<b>Reliability</b>		
<b>Waterproof Protection</b>	IP68 (robot), IP54 (charging dock)	IP68 (robot), IP54 (charging dock)
<b>Water Depth Range</b>	0.5m to 3m / 1.64ft to 9.84 ft	0.5 m to 3 m / 1.64 ft to 9.84 ft

# Beatbot

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After Sales Support: [service@beatbot.com](mailto:service@beatbot.com)