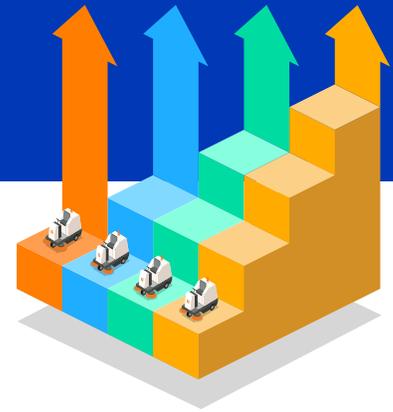


BRAINOS<sup>®</sup> AUTONOMY SERVICE UPDATE

# Motion Stack 2: Significant Autonomous Navigation Improvement





# BrainOS<sup>®</sup> Autonomy Service

## PROVEN. TRUSTED. SAFE.

The BrainOS platform includes a cloud-connected autonomy service that is used by customers to manage and optimize their use of autonomous mobile robot applications at scale. A key component included as part of this software subscription is that Brain Corp continually provides customers with new, innovative capabilities, so the robots you purchase today continue to improve over their lifetime.

## NEW FEATURES AND PERFORMANCE OPTIMIZATION.

Brain Corp invests the majority of its operating budget (OPEX) in R&D. What this means for end customers is a continuous innovation cycle that delivers new features and ongoing optimization to core robotic performance.

With any autonomous technology, real-world experience is critical to capturing and understanding edge cases. Because BrainOS powers the world's largest fleet of autonomous mobile robots in indoor public spaces, we see a wide variety of operating scenarios. As edge cases are exposed, that data is reviewed by dedicated engineers who refine the technology to be more efficient. This means that when one robot is exposed to a unique situation, all robots powered by BrainOS will benefit from the optimization when it is developed and deployed via the cloud.

As part of its commitment to ongoing innovation, Brain Corp recently rolled out a major software update nicknamed "Motion Stack 2" that improves the AI and computational algorithms across the fleet of BrainOS-powered robots.

### Ongoing Innovation and Updates Examples:

- ✓ New releases every 2 to 6 weeks, pushed over-the-air
- ✓ Access to ongoing innovation means the robot you buy will continue to improve as technology improves
- ✓ All updates are provided as part of our ongoing autonomy fee





## Motion Stack 2

### FASTER AND MORE EFFICIENT NAVIGATION.

How robots “behave” is a key component of their quantifiable and qualitative performance. It’s critical that robots move in an efficient manner to consistently provide productive results. It is equally important for robots to move in a natural and predictable manner – especially when operating in complex public spaces – so that their actions are aligned with the expectations of customers and employees.

Motion Stack 2, the latest update to the BrainOS navigational AI software, significantly improves how robots effectively and efficiently navigate in dynamic public spaces, such as retail, grocery stores and other high-traffic locations. The numerous navigation enhancements include quicker decision making, more deliberate maneuverability around obstacles, smoother turns, and improved mobility in tight spaces.

The result of all these improvements are higher average route speeds and fewer “assists” from human operators.

Not only does MS2 improve the robot’s natural movement, cleaning performance, and interactions around humans, but it also enables improved customer workflows. When robots can get more done in less time, companies can shift their resources to other higher value tasks.

The Motion Stack 2 update is just one way Brain Corp is continuing to advance the world’s best robotic AI software, so customer operations are made safer, easier and more productive.

### FASTER CLEANING

**41%**

Faster Route Completion

### FEWER ASSISTS

**33%**

Reduction in Assists

# About Brain Corp

Brain Corp is an AI software leader that powers the world's largest fleet of autonomous mobile robots operating in commercial public spaces. The BrainOS® platform and its cloud-connected autonomy service are used by global manufacturing partners to successfully build, deploy, and support commercial robots at scale across industries and applications. Through intuitive software and controls, BrainOS also enables end customers to easily leverage the power of robotics to offload repetitive, labor-intensive tasks related to floor cleaning, in-store inventory delivery, and shelf-scanning, freeing employees' time to focus on higher-value responsibilities.

**#1**

in deployed autonomous robots in public spaces

**70B+**

Sq. Ft. covered autonomously

**5M+**

Autonomous operational hours

**16K+**

AMRs deployed worldwide



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