Whiz

AI Technology Revolutionizing
Commercial Floor Care

SoftBank
Robotics

Whiz

Maximum Cleaning Efficiency with Cutting-Edge AI

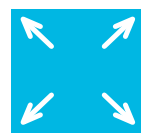Changing Professional Cleaning with Breakthrough AI Navigation Technology

Easy Set-Up, Easy Use

Teach cleaning route manually to save a route

Smart AI Cleaning

On-board BrainOS *[1] determines the best route given the surrounding environment

Outstanding Cleaning Efficiency

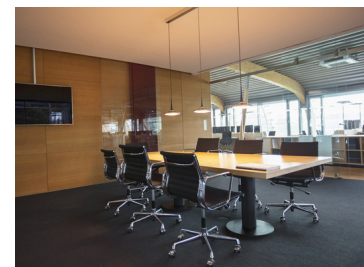Continuous operation up to three hours
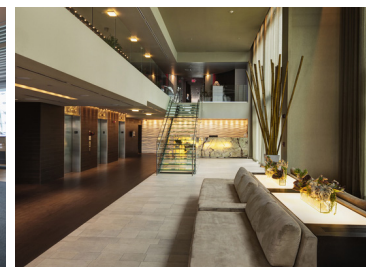Coverage up to 1,500m^2

Simple Controls
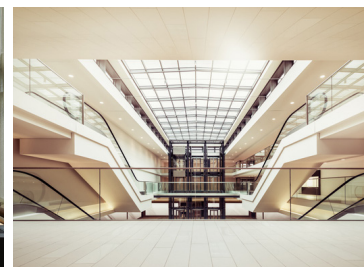
Check status via smartphone or PC
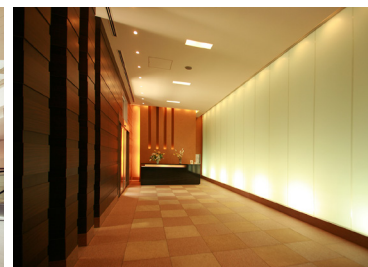

Perfect for Many Spaces

Office Buildings | Hotels | Shopping Malls | Apartment Complexes
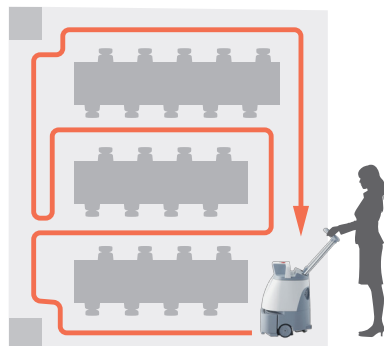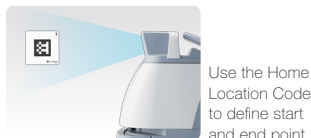
Hospitals | Schools | Welfare Facilities | Airports

Simple to Use. Simple Setup.
Teach a cleaning route and press the start button.
It's that simple.
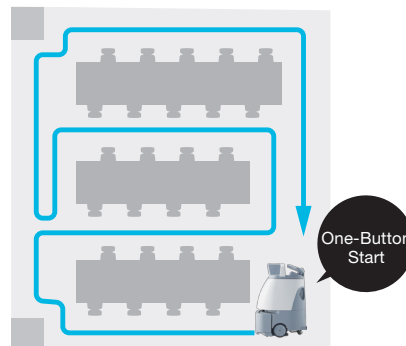
Create a route (Teaching)

❶ Set the Home Location Code as the starting point.
❷ Manually push Whiz through the cleaning route to teach.

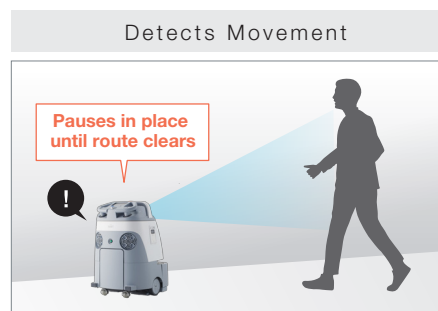Use the Home Location Code to define start and end point.

Moves Autonomously Along the Cleaning Path

After initial use, simply press the start button for autonomous cleaning.
Capable of memorizing several routes.

One-Button Start

Whiz detects and avoids obstacles, responding to environmental changes.

Multiple sensors detect obstacles, stairs, and human movement. Whiz avoids objects or stops until the route clears.

Access and clean narrow spaces, even along hallway wall edges.

Detects Obstacle

Avoids obstacle and continues cleaning

Detects Movement

Pauses in place until route clears

Small, but powerful. Covers an area up to 1,500m² on a single charge.

Continuous operation up to three hours, covering an area up to 1,500m². Use extra batteries to clean even larger areas.
High-precision sensors allow cleaning along wall edges.

	Normal mode	Max power mode High-Power Mode
Average Operating Time	Up to 3 hours Approximately 3 hours	Up to 1.5 hours Approximately 1.5 hours
Floor Space/Hour Coverage/Hour	Up to 500m² Approximately 500m²	

Clean an area the size of two tennis courts in just one hour!

One hour/ Approximately 500m²
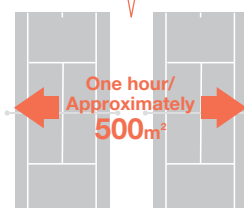
Easy control through Whiz Connect.
Check status from anywhere.

Whiz connect

Use the Whiz connect app to control multiple units easily.
Receive alerts of emergency stops or blocked units via pager or app.

Notification Pager

Emergency stop End of operation, etc.

Whiz

Worker
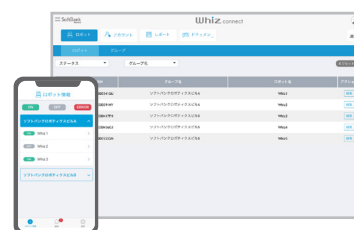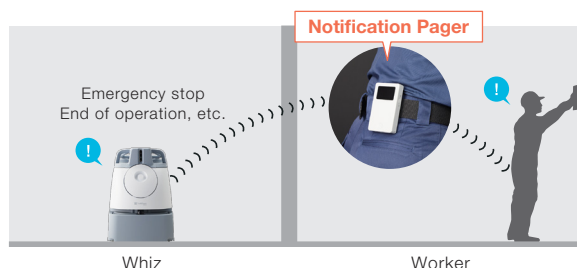
Control multiple units via app or PC.

*For illustration purposes only.
 Product details may change without notice.

"**Easy to create a cleaning route and quick to get up and running.**"

Cleaning Company Employee

Most commercial robots are inconvenient to use, since the manufacturer must come to make detailed route settings. We simply pushed Whiz through a cleaning route and pressed the start button. From there, Whiz took over and went to work.

"**We expect to improve cleaning quality by combining Whiz with our staff experience.**"

Cleaning Company Manager

Our experienced staff create cleaning routes for Whiz, and the unit follows the same route for daily cleaning. Cleaning quality has improved, especially when performed by newly hired workers. We were shocked at how much more dirt was picked up in the bags.

"**Whiz has made us much more efficient. Even our workers were impressed.**"

Cleaning Company Manager

We have been sensing an urgency in locating and hiring enough cleaning staff. Whiz takes care of hallway cleaning tasks, making us much more efficient and able to fulfill our contracts at a high level.Staff who work with Whiz have urged us to adopt the robots on a larger scale.

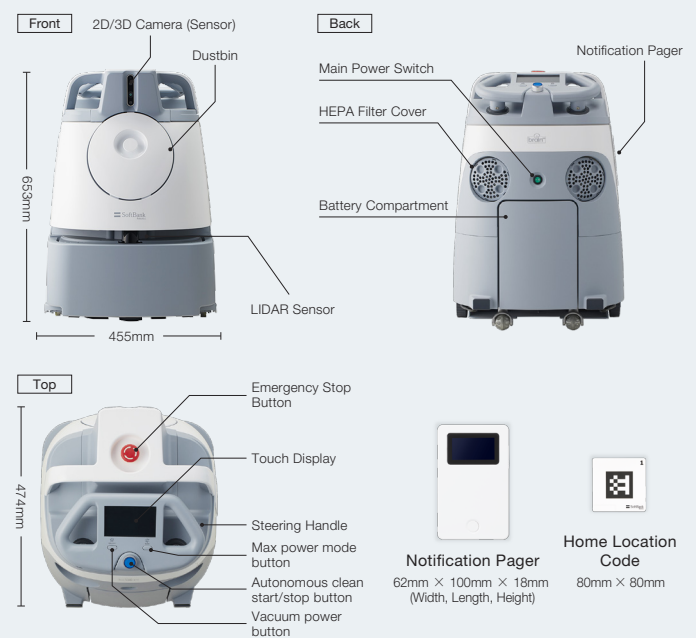"**I have a renewed appreciation for BrainOS functionality. We're confident we can use Whiz in our buildings**"

Building Owner

BrainOS was originally developed for use in the self-driving floor cleaner RS26 powered by BrainOS product. I was already impressed by the high functionality in the operating system, but having used Whiz for a solid week, including nights, we are confident we can use Whiz in all our buildings.

Specifications *Specifications and/or design details may change without prior notice.

Main Unit Dimensions (Handle Recessed)	455mm × 474mm × 653mm (Width, Length, Height)
Weight (Excluding Battery)	30kg
Coverage *2	500m²/hour
Continuous Operation *2	Approximately 3 hours (Normal mode) / 1.5 hours (Max Power Mode)
Speed	1.8km/h max.
Cleaning Capacity	4.0L (Paper Bag)
Battery	5kg lithium ion; 23.7 Ah, 25.2V
Charging Time	4 hours
Battery Charger Capacity	100-240V AC
Rated Output	29.4V / 8A × 2
Safety Features	Obstacle detection, fall prevention (LIDAR sensor, 3D camera), impact detection (sensor-installed bumper), anomaly detection (Cliff sensors, wheel contact sensors, emergency brake function)
Alert functions	Notification Pager (attaches to main unit) and smartphone app
Accessories	Battery, Battery charger , Notification pager, HEPA filter, Paper bag, Brush

Parts/Functions

Front — 2D/3D Camera (Sensor), Dustbin, 653mm, 455mm, LIDAR Sensor

Back — Main Power Switch, HEPA Filter Cover, Battery Compartment, Notification Pager

Top — Emergency Stop Button, Touch Display, Steering Handle, Max power mode button, Autonomous clean start/stop button, Vacuum power button, 474mm

Notification Pager
62mm × 100mm × 18mm (Width, Length, Height)

Home Location Code
80mm × 80mm

Supplies *Includes charger, home location code, vacuum motor and other accessories.

Paper Bag
Easy disposal; 4L max capacity

Brush
Removable rotating brush, auto height adjust

HEPA Filter
Captures 99.97% of PM2.5 particles, including pollen and house dust

Battery
Replaceable lithium ion battery

*1 Uses the BrainOS autonomous-driving AI. SoftBank is the exclusive license distributor for BrainOS in Japan. *2 May differ according to usage environment.
*Whiz is a trademark of SoftBank Robotics. *BrainOS is a trademark of Brain Corp.

Website
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