

FR4000

Robotic Mower



Map Beyond Limits, Mow As You Wish.

Say goodbye to buried wires and troublesome setup. Powered by industrial-grade RTK technology and a smart vision system, the FJD FR4000 robotic mower accurately defines virtual boundaries with centimeter-level positioning precision. Ideal for expansive estates, private lawns, or municipal green spaces, it delivers consistent, efficient mowing results—all while you sit back and relax.



QUICK SETUP, STABLE SIGNAL

FJD FR4000
Robotic Mower

10^{min}

Traditional Robotic Mower

30~90^{min}

RTK POSITIONING MODES TAILORED TO YOUR NEEDS

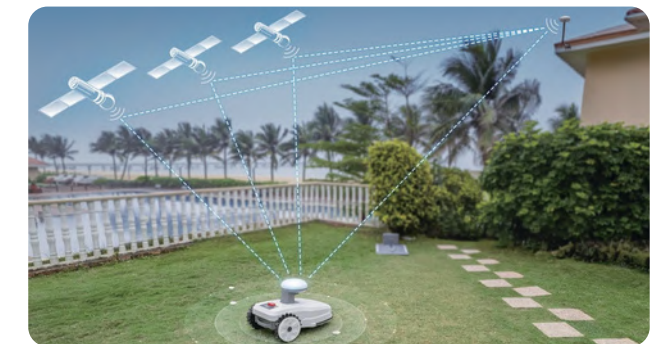
Network RTK Mode

Remove the need for an RTK reference station. Effortlessly deploy your mower with NTRIP (Networked Transport of RTCM via Internet Protocol). FJD Trion™ N10 CORS* is recommended.



Radio RTK Mode

Achieve centimeter-level positioning accuracy with a reliable signal coverage range of at least 1 km. The RTK reference station can be connected via Wi-Fi without data costs.



Drop & Run: Take Mowing to The Next Level

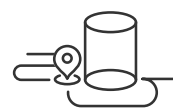
No charging station limits. Enjoy the freedom to create work zones anywhere. For disconnected areas, simply move the mower by hand—it's ready to start mowing instantly.



*The N10 CORS is a reliable centimeter-level GNSS system delivering RTK signals for V4E and mowers, enabling precise mapping and autonomous mowing to drive smart.



10-Min Setup



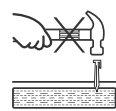
Intelligent Object Avoidance



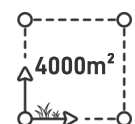
Smart Path Planning



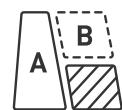
RTK & Vision Navigation



No Perimeter Wires



Recommended Mowing Area 4,000m² (1 acre)



Multi-Zone Management



33° Climbing Capability

SMART VISION SYSTEM: RGB & STEREO CAMERA



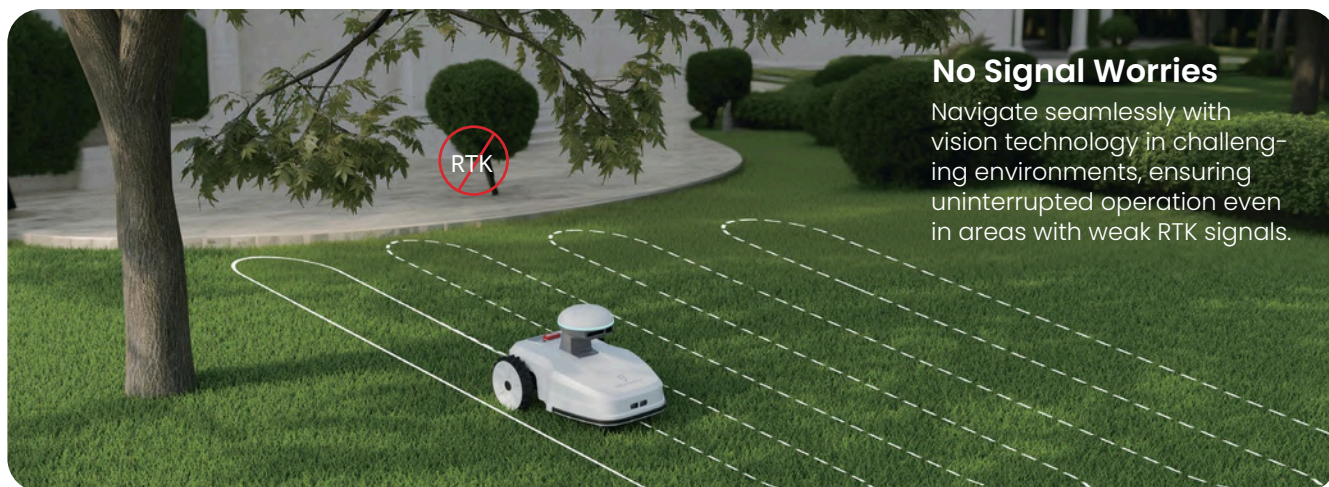
Intelligent Boundary Recognition

Identify every section of your lawn edges automatically for precise edge trimming and convenient mapping.



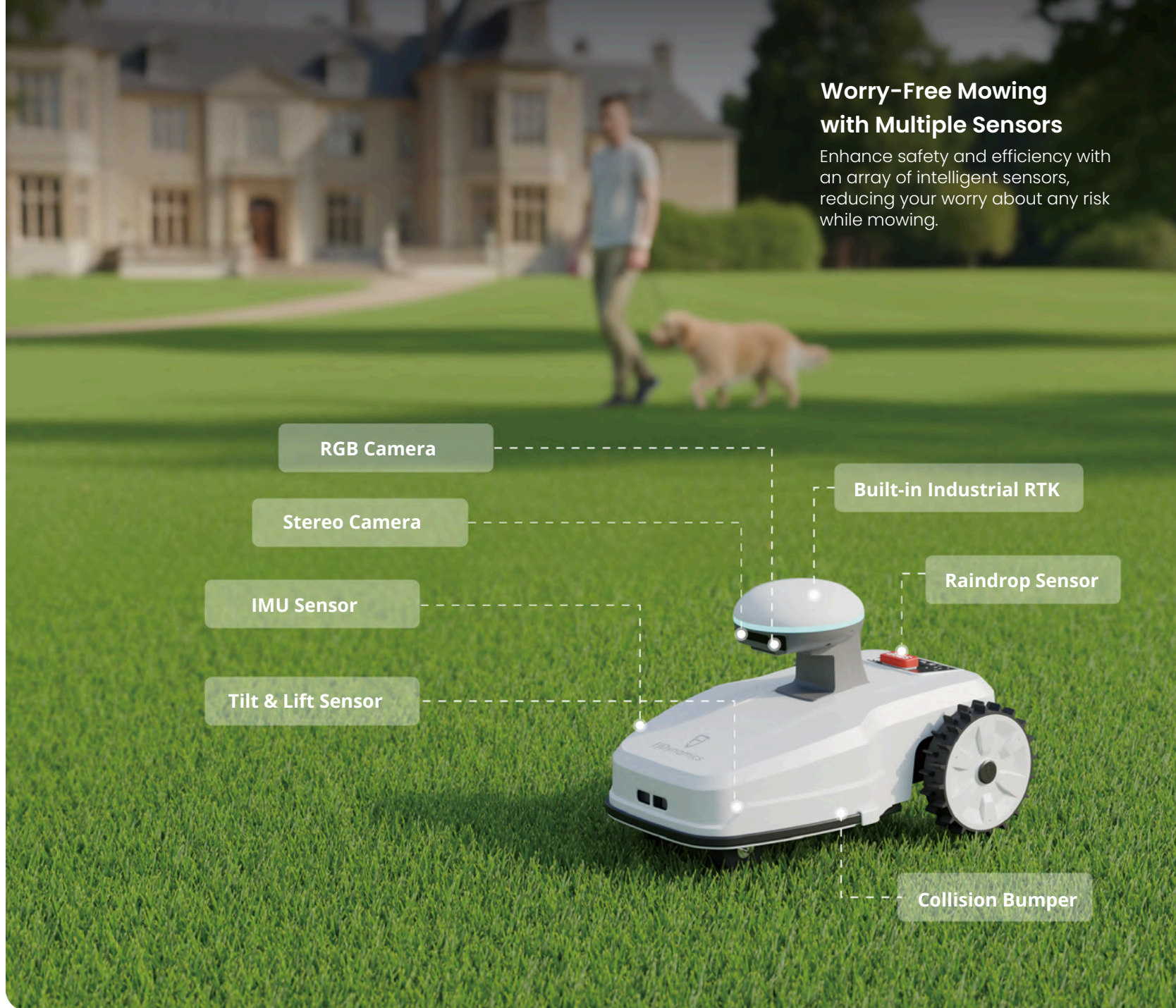
Real-Time Object Detection & Avoidance

Detect objects in real-time and automatically change paths to avoid them without stopping mowing, all while staying safe for people and pets nearby.



No Signal Worries

Navigate seamlessly with vision technology in challenging environments, ensuring uninterrupted operation even in areas with weak RTK signals.



Worry-Free Mowing with Multiple Sensors

Enhance safety and efficiency with an array of intelligent sensors, reducing your worry about any risk while mowing.

STANDOUT PERFORMANCE



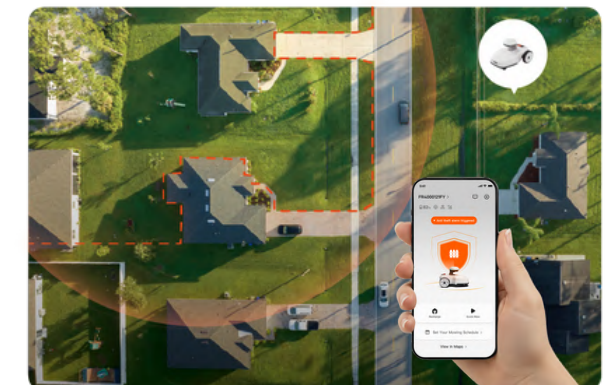
Tackles Inclines up to 65%

Conquer steep slopes with an impressive 33° climbing ability, handling inclines of up to 65% effortlessly.



Rainfall Detection & IPX5 Waterproof

Pause mowing and return when detecting rainfall with the built-in rain sensor. It also prevents any water damage with an IPX5 waterproof rating.

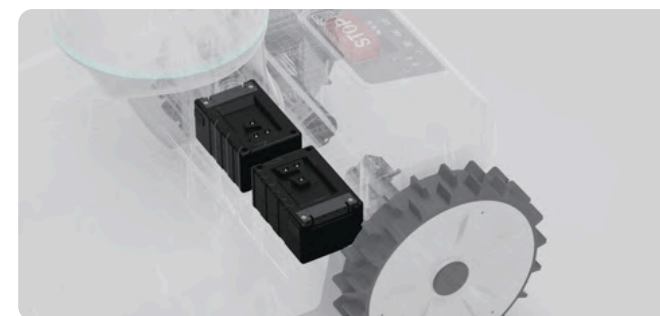


Anti-Theft Security System

Protect your mower with layered security — unauthorized use is blocked by PIN, while GPS tracking shows its exact location. If lifted, moved, or taken outside its geofence, the alarm is instantly triggered.

190Wh Capacity For Long-Lasting Use

Enjoy up to 180 minutes of mowing time per full charge, maximizing productivity for uninterrupted lawn care.



SMART APP CONTROL: SIMPLER TURF MANAGEMENT & MAINTENANCE

Real-Time Remote Control

Track the mowing status through a real-time camera feed, providing you with greater visibility and control over your lawn maintenance. You can manually stop or control the mower and check its current location.



Fleet Management

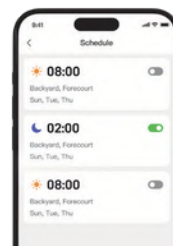
Manage your entire fleet of the FR4000 easily by monitoring their live location and status from anywhere in the world. This allows you to keep your operations running smoothly and efficiently.



CUSTOMIZED MOWING OPTIONS

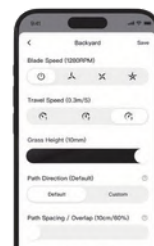
Set Mowing Schedule

Define your lawn mowing schedule, and the FR4000 will handle the rest around the clock.



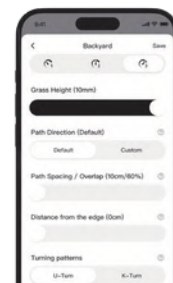
Adjust Cutting Height

Set the perfect cutting height from 20 to 60mm for different areas to suit your needs.



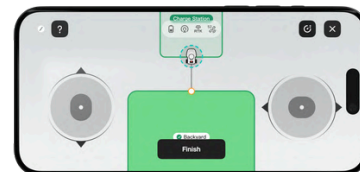
Select Mowing Modes

Select different modes such as path spacing, turning patterns, and route to station for greater mowing efficiency.













Passage

After completing the mowing task in area A, the FR4000 can automatically move to area B through the corridor, without returning to the charging station.



Specifications



Mowing Capacity					
Recommended mowing area	4000 m ² (1 acre)*				
Max climbing ability	33° (65%)				
Suggested mowing slope	25° (47%)				
Boundary type	Virtual wire				
Mowing pattern	Customizable in the FJD Landscaping® app				
Complete Unit					
Weight	13.3 kg (29.32 lb)				
Dimensions	645×444×420 mm / 25.4×17.5×16.5 in.				
Software update	OTA				
Connectivity	4G, Wireless Connectivity				
IP rating	Mower: IPX5 Charging station: IP65				
Cutting System					
Cutting height	20–60 mm / 0.8–2.4 in. 10–50 mm / 0.4–2.0 in.				
Cutting width	260 mm / 10.2 in.				
Battery & Charging					
Battery capacity	190 Wh				
Battery performance	180 min				
Charging time	120 min				
Factory Configuration					
 Complete mower	 Charging station	 RTK base station	 Adapter (Charging station)	 Adapter (RTK base station)	 Garage
●	●	●	●	●	○
Accessories List					
 Cutting blades	 Plastic pegs	 Screws	 Wheel spikes		

*The maximum mowing size is about 4,000m² (1 acre) per day. This depends on various factors, such as the area layout, grass conditions, terrain, weather, battery health, and other working conditions.

○ Optional / ● Standard / - Unavailable

ROBOT HANDLES THE GRASS. ENJOY YOUR YARD!

Free Quote: fjdmower@fjdynamics.com

Address: 15 SCOTTS ROAD #03-12, Singapore



[FJDynamics.com](https://www.fjdynamics.com)



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