



FJD FV2000

ROBOTIC LAWN MOWER

PRECISE MOWING, PERFECT LAWN

Upgrade your lawn care with the FJD FV2000 robotic lawn mower, featuring world-leading RTK technology and an advanced vision system for unbeatable precision. This powerful mowing robot can handle up to 6,000m² in three days without requiring perimeter wiring. Transform your backyard and home garden lawn into a vibrant and inviting outdoor space, perfect for entertainment and enjoyment.



Innovative RTK Precision
for Lawn Care



Perimeter Wire Free



Real-time Object Detection
and Avoidance



3-Day Mowing Area:
6000m² (1.5 acres)



Max Slope
Up to 33° (65%)



Optimal Path Planning



Multi-zone and
No-go Zone
Management



Accurate Boundary
Recognition



Smart App Control

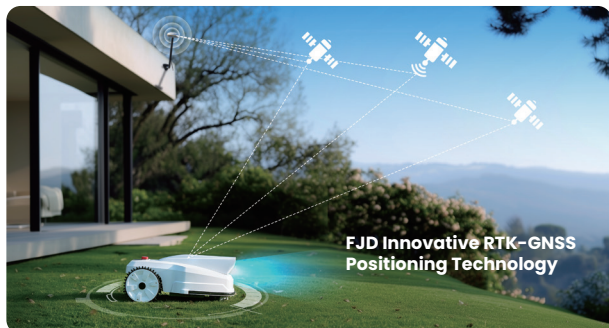


Precise Vision Algorithm

DUAL RTK SOLUTIONS: PRECISION MEETS FLEXIBILITY

Reference Station Mode

Enjoy the convenience of connecting the RTK base station via Wi-Fi without incurring data costs, and relish the free centimeter-level precision enhancement that FJD offers.



NTRIP Mode

Eliminate the need for an RTK reference station and offer an alternative RTK connection. Just effortlessly deploy your mower and set it in motion without any additional setup.



RTK AND VISION ALGORITHMS: PRECISE MOWING COMBO

Real-time Object Detection and Avoidance

Utilize advanced RTK and vision technology to quickly detect obstacles and navigate around them, ensuring smooth operation and safety.



Accurate Boundary Recognition

Recognize the grassland and establish optimal boundaries accurately for every section of your lawn to deliver a remarkable level of edge cutting.



Optimal Path Planning

Adopt advanced algorithms to intelligently plan the most efficient route, covering your entire lawn for perfect cutting.



NEXT-LEVEL MOWING CAPACITY

Max Slope Climbing 33° (65%) : Complicated Terrain Mastery

The FV2000 lawn mower can easily navigate even the most challenging terrains, giving you a perfectly manicured lawn regardless of landscape layout.



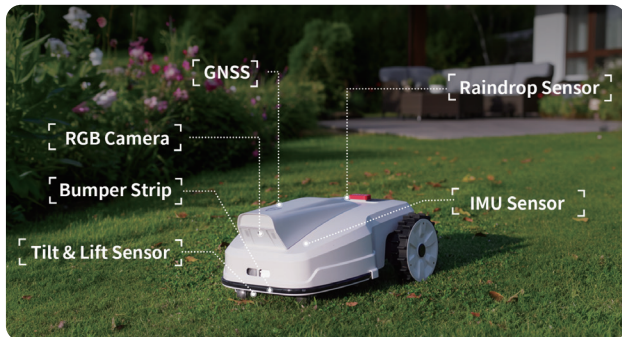
3-Day Mowing Area 6000m²: Compatible for Various Scenarios

With 3-day mowing capacity of 6,000m² (1.5 acres), the FV2000 lawn mower is a versatile and reliable solution for diverse lawn care needs.



Equipped with Multiple Sensors: Eliminate Potential Mowing Risk

The FV2000 lawn mower is equipped with a range of intelligent sensors, ensuring safety and efficiency during operation and delivering a worry-free mowing experience.



Waterproof & Dustproof Design: Maintenance Becomes a Breeze

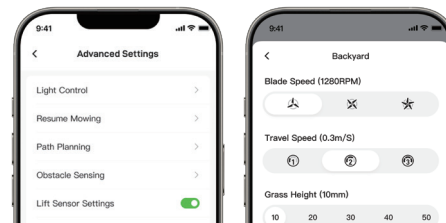
The FV2000 lawn mower boasts a waterproof and dustproof design for easy maintenance. With IPX5 waterproof certified, you can trust this robust mower to withstand water exposure and be cleaned by flushing quickly.



SMART APP CONTROL: EASY TASK MANAGEMENT

Customize Mowing Tasks

Customize your mowing tasks by setting the configuration, including cutting height, blade speed, travel speed, and path planning. FJD Landscaping APP also offers 20+ different functions to optimize your mowing experience.



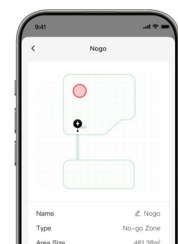
Switchable Mowing Solutions

Offer a switchable mowing solution for seamless transition between automatic and manual mowing modes, giving you the ultimate control and convenience.



Manage Work Zones & No-go Zones

Allow for seamless work zone creation without any limitations, providing maximum flexibility and adaptability for customized lawn care solutions.



ADAPTABLE TO DIVERSE MOWING ENVIRONMENTS



Complicated Backyard Environment



Under the Tree



Narrow Paths



Open Grassy Area

SPECIFICATIONS

Capacity

Mowing ability	6,000m ² / 1.5 acres (Within 3 days)
Boundary type	Virtual boundaries (No perimeter wire)
Dimension	634 mm×444 mm×285 mm / 24.9 in×17.5 in×11.2 in
Max slope climbing ability	Up to 33° (65%)
Max quantity of multi-zone management	No limitation
Max quantity of no-go zone management	No limitation
Raindrop sensor	Supported
Suggested working temperature	0–55°C
Waterproof & dustproof level	IPX5 (Lawn Mower) IP65 (Charging Station) IP67 (Smart RTK Reference Station)

Positioning & Navigation

Core technology	RTK & AI Camera
RTK solutions	Wifi Reference station mode & NTRIP mode
User interface	App control
Connectivity	Wi-Fi & Bluetooth
Firmware update	APP update through OTA

Cutting System

Cutting width	260 mm / 10 in
Cutting height range	20–60 mm / 0.8–2.4 in
Mowing speed range	0.3–0.5 m/s
Blade speed range	High, middle, and low
Blade type	6 pivoting stainless steel blades
Cutting mode	Parallel stripes with a specific angle

Product Safety

Object detection & avoidance system	RGB camera & Physical bumper
LED light	Supported
Lift sensor	Supported
Tilt sensor	Supported
IMU sensor	Supported

Battery & Charging

Battery capacity	95Wh
Battery type	Lithium-ion battery
Auto-recharging	Supported
Mowing time per full charge	90 min
Charging time	60 min

Free Quote:
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