

FJD FRX

Robotic Mower



Professional Lawn Management Made Affordable.

Elevate your turf maintenance to championship standards with the FJD FRX—the professional robotic lawn mower built for sports fields and golf courses. Featuring a unique suspension cutting disc and front suspension chassis, the FRX effortlessly follows terrain contour, delivering precise and consistent cutting results every time. Whether you're maintaining sports fields or golf fairways, the FRX lets you focus on perfection while it handles precision.



Adjustable Cutting Height
10–100mm



96,000 m² in 3 Days
(Fast Battery Swapping)



RTK+Vision
Navigation



Smart Path
Planning



Vision-Based Object
Avoidance



Virtual
Boundary



Fast Battery Swapping
24x7 Mowing



Fleet Management
& Multi-Field Management

PROFESSIONAL MOWING SOLUTION FOR SPORTS FIELDS

ZONE C

ZONE B

Multi-Field Management for Efficient Mowing

Achieve simultaneous mowing on multiple sports fields and automatically go to the next field upon completion.

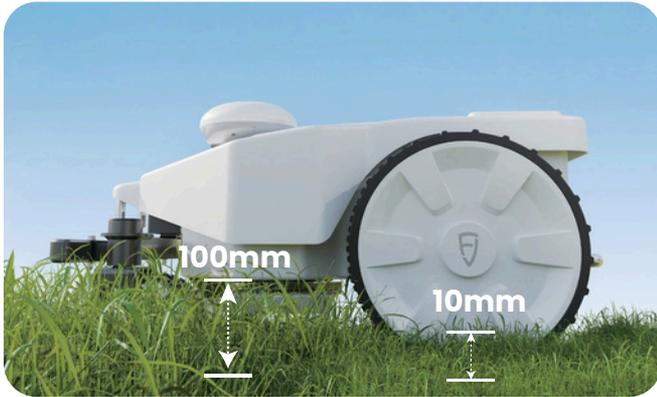
ZONE A



Hassle-Free Mowing and Precise Trimming

Support 10mm minimum height, ideal for sports fields. One full charge covers the whole field.

PROFESSIONAL MOWING SOLUTION FOR GOLF COURSES



Ultra-Wide Cutting Height Range

Adjustable from 10mm to 100mm — perfect for both fairways and roughs.



Flexible Charging Options

Fast battery swapping for 24/7 mowing. Auto-charging for fully unmanned operation.



Nighttime Quiet Operation

Allow for silent mowing at night to maximize course availability during the day.



Damage-Free Unmanned Mowing

Treats your turf with care — a lightweight design and wide tires ensure gentle contact, preserving that pristine green.





Fleet Management

Cloud maps control for multi-field, multi-mower operation.

*Up to 96,000m²
in 3 days*

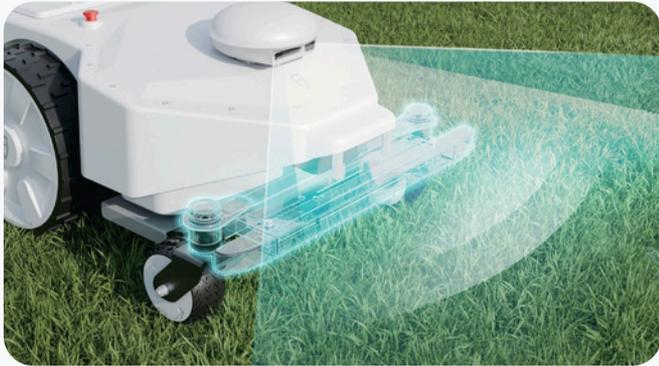
Up to 96,000m² (23.7 Acres) in 3 Days

*Calculated based on 24-hour operation.
Actual coverage depends on user working hours.

RTK + Vision Navigation

Stable mowing performance even under the tree shades.

SAFETY FIRST & EASY TO USE



Dual Protection, Safety First

Effectively avoid obstacles and ensure safe operation.



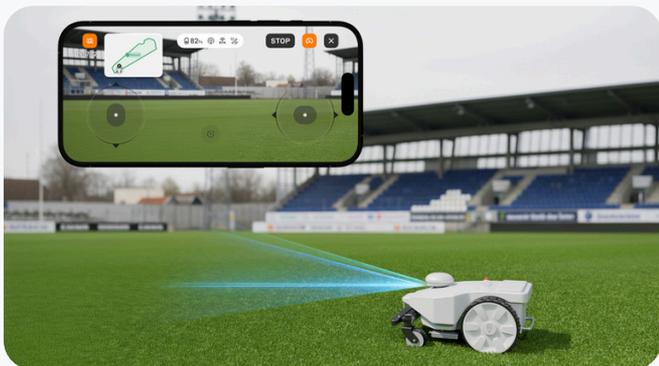
Anti-Theft Security System

Keep your mower safe. If the mower leaves its geofenced area, an instant alarm is activated.



Quick Mapping with Handheld Marker

Optional handheld marker for fast mapping in minutes—no mower needed onsite.



Remote App Control and Image Feed

Monitor the status of the mower and control the operation from far away. With image feed, you can check the situation of the field at any time without being on-site.



HIGH-PERFORMANCE CHASSIS

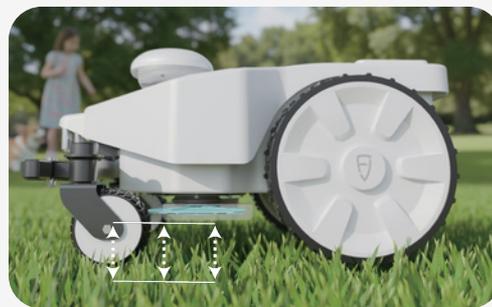
Ultra-Light Chassis for Easy Transportation

Ultra-light chassis design for effortless handling and easy transport by just two people.



Front Suspension Chassis for Stable Operation

Ensure stable operation on uneven terrain, providing a smooth mowing experience.



Cutting Disc Auto-Lifting

Adjust the mowing height in real time via remote control based on seasonal changes and mowing needs.

Suspension Cutting Disc

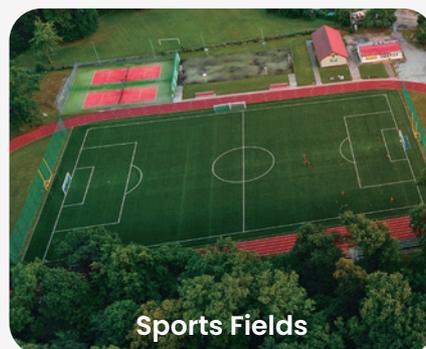
Feature an independent suspension unit for each cutting disc that automatically adapts to uneven terrain, ensuring a flawless mowing result without scalp damage.



IPX5 Waterproof Design

Eliminate the worry of water immersion, whether it is rainy day operation or daily cleaning.

Application Scenarios



Specifications



Mowing Capacity

Fast battery swapping mode*	72h Maximum coverage 96,000m ² (23.7 acres) 24h Maximum coverage 32,000m ² (7.9 acres)
Automatic charging mode	72h Maximum coverage 60,000m ² (14.8 acres) 24h Maximum coverage 20,000m ² (4.9 acres)
Max mowing area per charge	8000m ²
Max climbing ability	30°
Max mowing slope	30°
Front suspension chassis	•
Boundary type	Virtual wire
Cutting mode	Customized angle mowing

Overall Dimensions

Weight	83.7 kg
Dimensions	1278*782*739.9 mm / 50.3*30.8*29.1 in.
Software update	OTA
Connectivity	4G, Wireless connectivity
IP rating	IPX5

Cutting System

Cutting height	10–100 mm / 0.4–4 in.
Cutting width	520 mm / 20.5 in.
Travel speed	0–4 km / h
Cutting disc (pivoting razor blades per disc*6)	2

Battery & Charging

Charging mode	Manual & automatic
Fast battery swapping	•
Battery life	320 min
Charging time	240 min

Positioning and Navigation

Positioning	RTK & vision
NTRIP	•
FJD base station & CORS station	•

Factory Configuration

Complete mower	•
Portable charger	○
Auto-charging station	○
1 kWh battery	•
High-strength cutting blade	○
V4E handheld marker	○
FJD base station	○
Independent anti-theft module	○

*Calculated based on 24-hour operation. Actual coverage depends on user working hours.

*○ Optional / ● Standard / - Unavailable

Free Quote: fjdmower@fjdynamics.com

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CREATE FOR A BETTER WORLD

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