



# **FJD FR4000**

ROBOTIC LAWN MOWER



## MAP BEYOND LIMITS, MOW AS YOU WISH

Powered by industrial RTK technology and a smart vision system, the FJD FR4000 robotic lawn mower defines virtual boundaries and ensures centimeter-level accuracy in positioning, eliminating the need for wires.



Industrial RTK Technology



No Perimeter Wires



Mow Up to 10,000m<sup>2</sup>  
(2.47 acre)



Max Slope Up to  
33° (65%)



Smart Vision  
System



Route Planning and  
Auto-recharging



Multi-zone and  
No-go zone  
Management



App Control and  
OTA Updates

## ENTERPRISE AI-POWERED ROBOTIC MOWER: CONQUER MOWING TASK OVER 10,000m<sup>2</sup> EFFORTLESSLY



## DROP & RUN: MAKE MOWING TO NEXT LEVEL

FR4000 users can flexibly create the work zones and start the mowing tasks as they wish without the need of the charging station. This revolutionary function not only streamlines the lawn maintenance process but also enhances operational efficiency, ultimately delivering significant commercial value and empowering businesses to stay ahead of the competition.

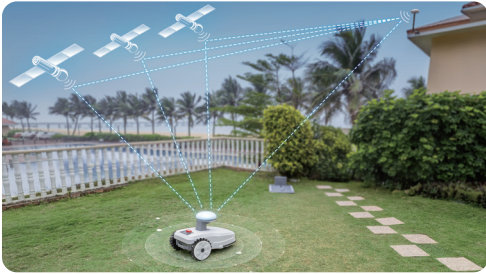




# RTK POSITIONING MODES TAILORED TO YOUR NEEDS

## Radio RTK mode

Achieve centimeter-level positioning accuracy with a reliable signal coverage range of at least 1 km. In this mode, the RTK reference station can be connected via Wi-Fi without data costs. As a leading global brand, FJD's industrial RTK is widely used in precision agriculture, geospatial, digital construction, and professional landscaping.



## Network RTK mode

Remove the need for an RTK reference station, offering a versatile alternative to fulfill your flexible RTK connection needs. In this mode, you can effortlessly deploy your mower with NTRIP (Networked Transport of RTCM via Internet Protocol).



## SMART VISION SYSTEM BASED ON RGB CAMERA AND STEREO CAMERA

### Intelligent boundary recognition

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



### Real-time object detection and avoidance

Feature a stereo camera, an RGB camera and a front bumper, guaranteeing superior object detection and avoidance.



### Enhanced vision navigation

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



## 10-MINUTE INSTALLATION: QUICK, EASY, AND HASSLE-FREE

The FJD FR4000 robotic lawn mower has been designed with a streamlined installation process that takes only 10 minutes. This includes setting up the RTK station and charging station, allowing you to quickly and easily get started on maintaining your lawn without the hassle of lengthy setup times.

FJD FR4000  
Robotic Lawn Mower

10 min

Conventional robotic mower

30~90 min

## STAND OUT IN PERFORMANCE

### Max slope 33° (65%) to handle tricky terrains at ease

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



### Better protection with a built-in rain sensor and IPX5 waterproof

Design with a rain sensor to pause mowing and guide the mower back during rainfall, and build with IPX5 waterproof to protect the mower from water damage.



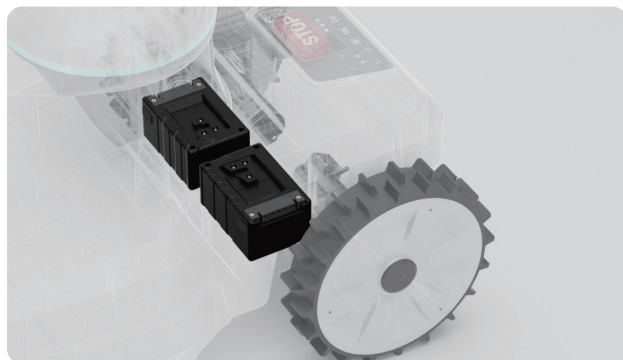
### Security system for anti-theft

Come with a combination of PIN access, alarm features, charging station pairing, and GPS theft tracking to provide robust security.



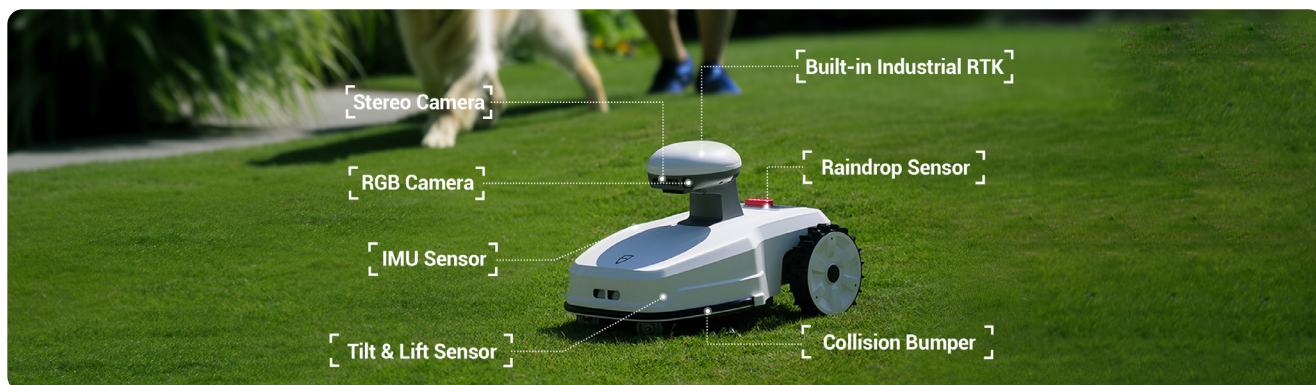
### 190Wh capacity for long-lasting uses

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



## EQUIPPED WITH MULTIPLE SENSORS: ELIMINATE POTENTIAL MOWING RISK

The FR4000 lawn mower comes equipped with an array of intelligent sensors, to ensure safety and efficiency during operation, providing a worry-free mowing experience. Designed for commercial use, it delivers superior protection for turf and property, a wise investment for turf business owners.





# GIVE YOUR TURF MANAGEMENT & MAINTENANCE A BOOST: SMART APP CONTROL

## Real-time Remote Control

This innovative function allows you to 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

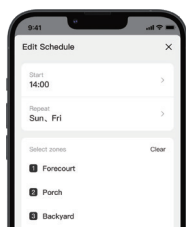
The advanced Fleet Management function offers real-time monitoring of all your devices' locations and statuses on a global scale, ensuring seamless operations and maximum productivity of all your FR4000 devices. Unlock the full potential of your business with unparalleled control and visibility.



## PERSONALIZED MOWING EXPERIENCE

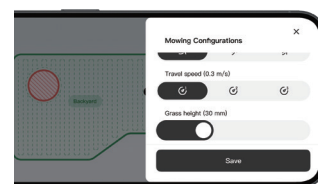
### Set mowing schedule

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



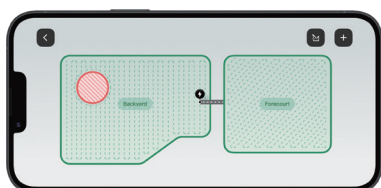
### Adjust cutting height

Set the perfect cutting height from 10 to 50 mm for different areas to suit your needs.



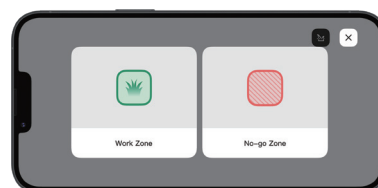
### Select mowing modes

Select different modes like parallel stripes for greater mowing efficiency.



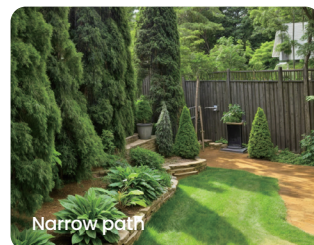
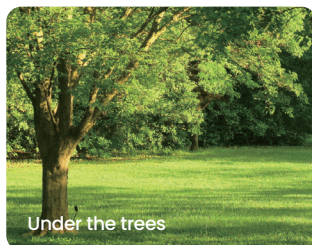
### Manage multi-zones and no-go zones

Customize mowing zones with tailored cutting heights and schedules while designating no-go zones to avoid specific areas.





# PRECISE POSITIONING & NAVIGATION IN CHALLENGING AREAS



## SPECS

### Capacity

Mowing Ability	Up to 10,000m <sup>2</sup> (Within 3 days)
Boundary type	Virtual boundaries (No perimeter wire)
Net weight	13.3 kg
Dimension	645 mm × 444 mm × 420 mm / 25.4 in × 17.5 in × 16.5 in
Max climbing ability	33° (65%)
Max multi-zone management	Supported
No-go zone management	Supported
Engine	Rear-wheel-drive
Rain sensor	Supported
Suggested working temperature	0-55 °C
Waterproof level (mower, charging station, and RTK reference station)	IPX5, IP65, IP67

### Positioning & Navigation

Industrial RTK & enhanced vision	Supported
Radio RTK mode & network RTK mode	Supported
User interface	Keyboard & APP control
Firmware update	APP update through OTA
Connectivity	4G & Wi-Fi & Bluetooth

### Cutting System

Cutting width	255 mm / 10 in
Cutting height range	10-50mm / 20-60mm
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 customized angle

### Product Safety

Object detection & avoidance system	Stereo camera & RGB camera & Physical bumper
Lift sensor	Supported
Security System	Account pairing , Alarm
	Charging station pairing , GPS theft tracking
Tilt sensor	Supported

### Battery & Charging

Dual battery capacity	190 Wh
Battery type	Lithium-ion battery
Charging mode	Automatic & Manual
Auto-recharging	Supported
Mowing time per full charge	180 min
Charging time	120 min

#### Free Quote:

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Download The APP



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