



FL3000

LiDAR Robotic Mower



See Further. Mow Smarter.

Keep your lawn perfectly maintained, effortlessly and intelligently. The FJD FL3000 paves the way for next-gen lawn care with the integration of LiDAR and vision technology, which perfectly understand your yard, spot obstacles, and smoothly work around them. It creates a precise virtual map of your entire yard, ensuring an even, consistent cut without the hassle of buried wires or complex installations. Now it's time to enjoy a break while FJD FL3000 takes care of the rest automatically!



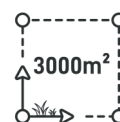
10-Min
Setup



Automated
Mapping



No Wire,
No RTK



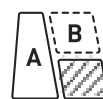
Recommended
Mowing Area 3,000m²



Smart Path
Planning



Intelligent Object
Avoidance

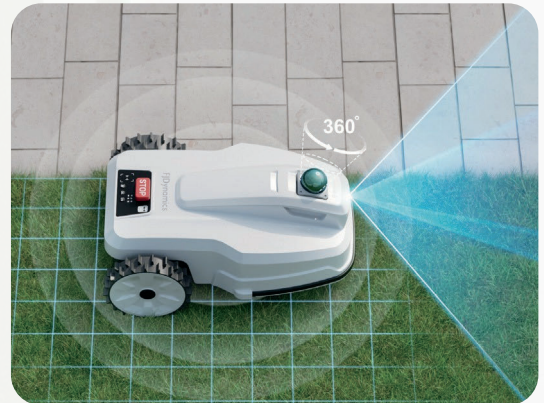


Multi-Zone
Management



33° Climbing
Capability

SIMPLE SETUP, EASY START



No Wire, No RTK, 10-Min Setup

Forget about the hassle of complex setup—simply install the charging station and define the virtual boundaries of your garden via our FJD Landscaping® App.

Smart Edge Trimming

Use LiDAR and vision fusion to cut your lawn neatly and exactly to the edges. This means less work for you in setting up boundaries.



Automated Mapping* (coming soon)

Simply place the mower on the grass and let it automatically scan and map your lawn all by itself – no setup needed!

*Works best in areas with clear transitions between lawn and non-lawn surfaces.



One App Does It All

Tap to start, monitor progress, manage zones—right from your phone.



Recommended mowing area:
3,000 m²

SMART MOWING FOR EVERY CORNER OF YOUR YARD



Smart Path Planning

Automatically executes the most efficient route to keep your lawn perfectly maintained.

Multi-Zone Management

Manage multiple mowing areas easily with seamless lawn partitioning and smooth transitions between them.

Dynamic Object Avoidance

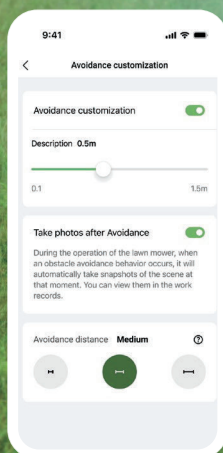
It detects and avoids obstacles on the go, adjusting its path instantly for smooth, uninterrupted mowing around your lawn.

Adjustable Object Detection Height

Customize the height limit for objects to avoid, so the device navigates your yard safely and efficiently—just the way you need it.

No Signal Worries

Trees, walls, and tight corners? Not a problem. LiDAR technology ensures precise navigation and top-tier performance even in the most challenging areas.



360°



READY FOR ANY TERRAIN

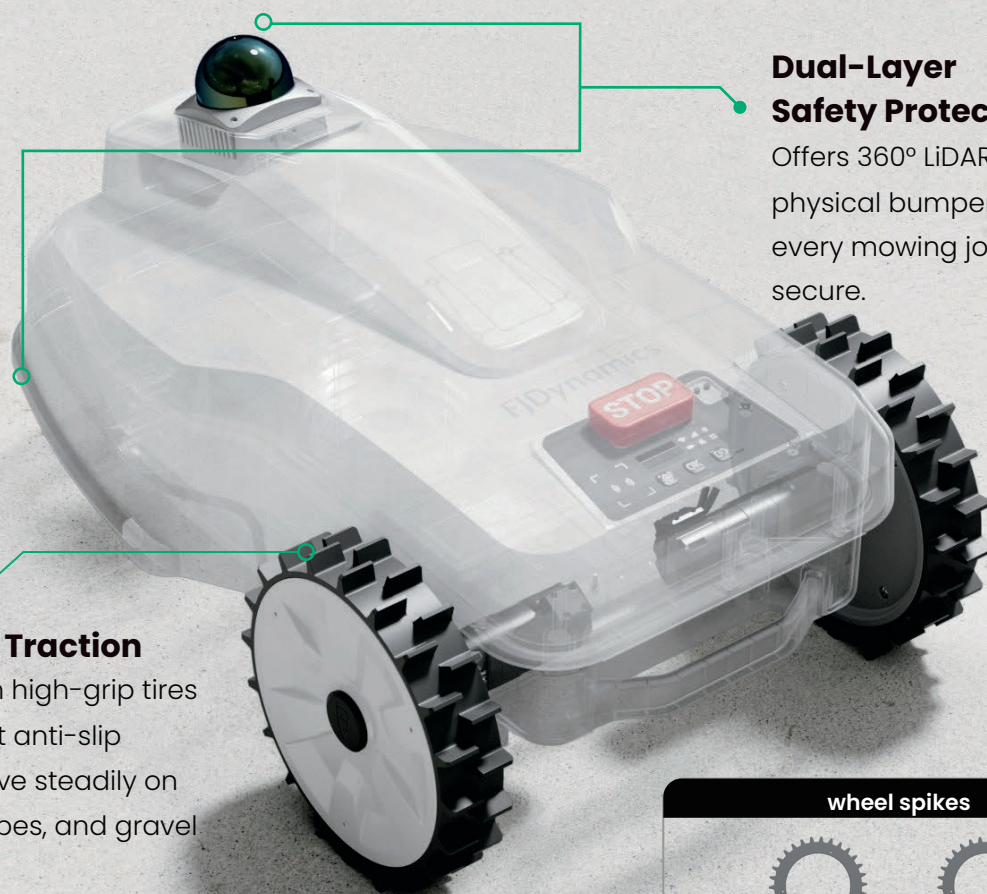


Engineered for Steep Slopes

Conquers slopes up to 33° with ease, thanks to the advanced traction and smart climbing algorithm.

Electric Deck Auto-Lifting

Adapts cutting height automatically, letting you customize the cutting style and mowing patterns for each of your areas.



Dual-Layer Safety Protection

Offers 360° LiDAR sensing and physical bumpers to keep every mowing job safe and secure.

All-Terrain Traction

Equipped with high-grip tires and intelligent anti-slip control to move steadily on wet grass, slopes, and gravel paths.

wheel spikes



Work Less. Enjoy More.

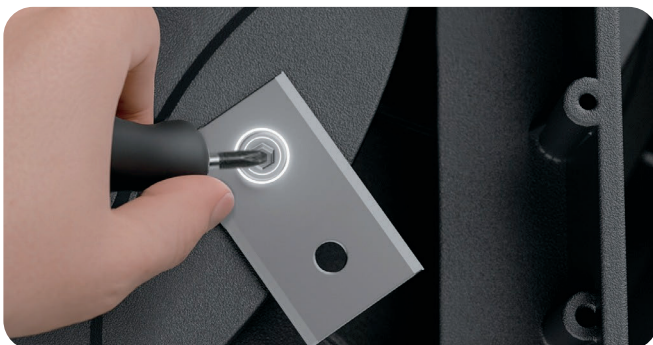


Automatic Rain Detection

When rain is detected, the robot halts mowing task to make its way back to the charging station—all without any user input.

IPX5 Waterproof Rating

Easily rinse off grass and dirt with your garden hose—it's built for it.



Fast Blade Swap

Twist to release and replace blades in seconds, keeping your workflow smooth and efficient.

Peaceful Anti-Theft

Built with real-time GPS tracking integrated with anti-theft capabilities to give you peace of mind, wherever you are.



Specifications



Mowing Capacity

| | |
|-------------------------|----------------------------------|
| Recommended mowing area | 3000 m ² (0.75 acre) |
| Max climbing ability | 33° (65%) |
| Max mowing slope | 25° (47%) |
| Boundary type | Virtual wire |
| Mowing pattern | Customizable in FJD Landscaping® |

Complete Unit

| | |
|-----------------|---------------------------------------|
| Weight | 13.5 kg (30 lb) |
| Dimensions | 633×443×302 mm / 24.9×17.4×11.8 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. (Standard) |
| | 10–50 mm / 0.4–2.0 in. (Standard with Adapter) |
| 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 ●

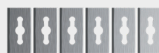


Charging station ●



Adapter (Charging station) ●

Accessories List



Cutting blades



Plastic pegs



Screws



Wheel spikes

*○ 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)



CREATE FOR A BETTER WORLD

Copyright © FJDynamics. All rights reserved.