MOVA LiDAX Ultra Series-1000&2000-单页-NA.pdf 1 2026/3/13/周五 15:54:22

MOVA
MOVE AHEAD

LiDAX Ultra Series

Master Your Lawn with Supreme Intelligence



MOVA LiDAX Ultra Series-1000&2000-单页-NA.pdf 2 2026/3/13/周五 15:54:26



LiDAX Ultra Series

Robotic Lawn Mower

Meet the LiDAX Ultra Series—your intelligent, wire-free mowing solution. Powered by UltraView™ 2.0 Environmental Sensing Technology with 3D LiDAR and AI vision, it navigates with centimeter-level precision—no boundary wires or RTK needed. UltraTrim™ 1.0 technology delivers flawless edge cutting, while smart obstacle avoidance and pet-safe modes ensure safety and peace of mind. Designed to handle tight spaces and uneven terrain, it provides fully autonomous daily mowing with reliable performance. Precision, safety, and perfection—all in one seamless experience.

Key Features



Wireless, RTK-Free Setup AI-Assisted Auto-Mapping

With AI vision and 3D LiDAR, the mower auto-maps your yard in 3D with centimeter accuracy—no wires or RTK stations needed, even in complex layouts, under dim or harsh light. Power on and mow anywhere with ease.



Flawless Edge Precision — < 2" with Movable Disc

With UltraTrim™ 1.0, the mower cuts within 2" of walls, hedges and raised edges. A movable disc covers gaps to minimize misses. For flush lawn-pavement edges, it rides on edges for clean, precise cuts.



Comprehensive Safety for Family & Property

Powered by UltraView™ 2.0, the mower detects and avoids over 300 obstacles—even small items—to keep kids and pets safe. With a link module, anti-theft protection offers real-time tracking and instant alerts if it is moved beyond the mapped area.



U-Shaped Efficiency, Conquers All Terrain

The mower uses smart U-shaped planning and auto-resume charging to ensure efficient, stable mowing, while handling 45% slopes and 1.6" obstacles with reliable performance.

Specifications

Robot Lawn Mower Dimensions	26.2" × 17.5" × 10.7"
Robot Lawn Mower Weight	LiDAX Ultra 1000: 30.2 lbs. LiDAX Ultra 2000: 30.4 lbs.
Max. Mowing Area	LiDAX Ultra 1000: 0.25 acre LiDAX Ultra 2000: 0.5 acre
Boundary Setup Type	AI Auto & Remote Control
Map Views	2D & 3D
Mapping & Navigation	UltraView™ 2.0 (360° 3D LiDAR + AI Vision)
Obstacle Avoidance	360° 3D LiDAR + AI Vision
Dual-Map	Yes
Multi-Zone Management	Yes
Mowing Efficiency	LiDAX Ultra 1000: Standard: 0.2 acre/day Efficient: 0.3 acre/day LiDAX Ultra 2000: Standard: 0.3 acre/day Efficient: 0.4 acre/day
Max. Slope Performance	45% (24°)
Drive System	Off-Road Wheels
Path Planning	U-Shape
Cutting Height & Width	1.2"–3.9", 7.9"
Edge Retention	UltraTrim™ 1.0: < 2"
Garden Security	TrueGuard™ System
Link Module Service	1 Year Free for LiDAX Ultra 2000 Optional for LiDAX Ultra 1000

Features



UltraView™ 2.0:
RTK-Free Setup,
AI Auto-Mapping



UltraTrim™ 1.0:
Edge Grass
Width <2"



Adjustable
Cutting Height:
1.2"–3.9"



All-Terrain Capability:
45% Slopes,
1.6" Obstacles



U-Shape Path
& Long Runtime
for Mowing Efficiency



AI Detects
300+ Obstacles
& Protects Pets



Dual Maps & Up to
150 Managed Zones



User-Friendly:
Smart 4G Anti-Theft,
Anti-Lift, Safety, Low Noise



TrueGuard™:
Live Video & Patrol
for Garden Security

What's in the Box



Robot lawn mower



Charging tower
& Baseplate



Power supply



Cleaning brush



Screws x8,
Hex Key



Spare Blades
and Screws x9

Screwdriver



User manual



Lint-free cloth



Quick start guide

*The LiDAX Ultra 1000 does not include LED light strips, whereas the LiDAX Ultra 2000 comes with LED light strips. The product appearance, structure, color, functions, and other details presented in the promotional materials are for illustrative purposes only and may not exactly reflect the actual product. Please refer to the actual product for accurate information.

Official Website http://www.mova.tech