

[Manuals.plus](#) /

> [Mova](#) /

> MOVA ViAX 500 Robotic Lawn Mower User Manual

Mova ViAX 500

MOVA ViAX 500 Robotic Lawn Mower User Manual

Model: ViAX 500 (MVLM2100)

Brand: Mova

INTRODUCTION

Thank you for choosing the MOVA ViAX 500 Robotic Lawn Mower. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your device. Please read this manual thoroughly before use and retain it for future reference.

PACKAGE CONTENTS

Before beginning installation, please verify that all items are present in the package:

- Robot Lawn Mower x1
- Charging Base & Base Plate x1 / x1
- Quick Start Guide x1
- Stakes / Hex Key x8 / x1
- Power Adapter x1
- Lint-free Cloth & Screwdriver x1 / x1
- User Manual x1
- Replacement Blades / Screws x9 / x9



Robot Tagliaerba
x1



Base di ricarica & Piastra di base
x1 / x1



Guida rapida
x1



Puntali / Chiave esagonale
x8 / x1



Alimentatore
x1



Panno senza pelucchi & Cacciavite
x1 / x1



Manuale utente
x1



Lame di Ricambio / Viti
x9 / x9

Contenuto della confezione

Image: Contents of the MOVA ViAX 500 Robotic Lawn Mower package, including the mower, charging station, tools, and documentation.

SETUP

Wireless Boundary Configuration and AI-Assisted Mapping

The MOVA ViAX 500 features wireless boundary setup and AI-assisted mapping, eliminating the need for perimeter wires, RTK stations, or antennas. The mower maps your garden and creates precise virtual boundaries, allowing it to begin mowing on the first day with minimal effort and no complex installations.

Classificato
N.1
a Livello Globale
per Volume di Vendite di
Robot Tagliarba con LiDAR

3 3 anni di garanzia*
affidabile
qualità
*Per i dettagli sulla garanzia, consultare il sito
ufficiale MOVA. Alcuni modelli e parti
potrebbero non essere applicabili.



 LiDAR a **360°** |  Visione **doppia IA**

VS



Nessun cablaggio



Nessuna stazione RTK



Nessuna antenna RTK necessaria

UltraEyes 2.0: configurazione senza RTK | mappatura assistita dall'IA

Image: The MOVA ViAX 500 demonstrating RTK-free configuration and AI-assisted mapping, showing no wiring, no RTK station, and no RTK antenna required.

MOVA

ViAX 500
Visione intelligente
in ogni taglio

Classificato
N.1
a Livello Globale
per Volume di Vendite di
Robot Tagliarba con LiDAR

3 3 anni di garanzia*
affidabile
qualità
*Per i dettagli sulla garanzia, consultare il sito
ufficiale MOVA. Alcuni modelli e parti
potrebbero non essere applicabili.



works
with



works with
Google Home

Image: A user relaxing while the MOVA ViAX 500 performs wireless installation and mapping, showing the app interface and the mower defining virtual boundaries.

Charging Base Placement

Place the charging base on a flat, level surface with clear access for the mower. Ensure it is near a power outlet and in an area that provides good signal reception for optimal operation.

OPERATION

Efficient Full Coverage Mowing

The ViAX 500 provides efficient full lawn coverage through its precise U-shaped path planning and dual-mode edge cutting. It optimizes mowing routes for maximum efficiency, automatically switching between along-the-edge and over-the-edge cutting to adapt to uneven terrain, keeping lawn borders tidy with less manual trimming.

Fino a 150 m² per carica

Sistema di taglio a sospensione

Altezza di taglio: 2-6 cm

Pianificazione efficiente del percorso a U

Image: The MOVA ViAX 500 demonstrating efficient U-path planning, suspension cutting system, and adjustable cutting height (2-6 cm).



Taglio ai confini migliorato

Image: The MOVA ViAX 500 performing improved edge cutting, showing both along-the-edge and over-the-edge mowing for a tidier lawn.

Smart App Control and Multi-Zone Programming

The ViAX manages multiple gardens or separate lawn areas with dual-map management for up to 150 zones. Easily customize different mowing zones and schedule operations remotely via the MOVAhome app, providing a flexible and personalized mowing experience anytime, anywhere.



Controllo tramite APP Intelligente

Image: A person using the MOVAhome app to control the MOVA ViAX 500, showing options for cutting efficiency, multiple mowing modes, and custom programs.



Supporto per zone vietate Personalizzabile delle zone

Image: Aerial view illustrating the MOVA ViAX 500's support for forbidden zones and customizable zone management across different areas of a garden.

UltraEyes 2.0: Dual AI Vision + 360° LiDAR

UltraEyes 2.0 combines two Ultra-HDR AI cameras with 360° LiDAR for high-precision environmental perception. Its detection system enables intelligent mapping, stable navigation, and reliable obstacle detection, even in areas with limited or obstructed GPS signals.

UltraEyes 2.0: Visione doppia IA + LiDAR a 360°

Alimentato dalla fusione della doppia visione AI e del LiDAR 360°, ViAX offre una percezione ambientale migliorata e una consapevolezza spaziale avanzata. Questo sistema di rilevamento avanzato consente un posizionamento stabile e un affidabile evitare ostacoli in ambienti complessi.

LiDAR 360°
scansione LiDAR 360°

Doppie telecamere AI
HDR 1080p

Campo visivo delle telecamere di
120°x70°

Raggio di rilevamento
fino a 50 m

Percezione di taglio a
livello millimetrico

*Migliorato: Miglioramenti delle prestazioni rispetto al MOVA ViAX 250/300.
Il raggio di rilevamento e la precisione possono variare in base alle condizioni.
*I dati si basano sui test effettuati nel laboratorio MOVA. Le prestazioni effettive possono variare a seconda dei fattori ambientali e dell'uso.



Image: Technical illustration of the MOVA ViAX 500's UltraEyes 2.0 system, highlighting dual AI vision and 360° LiDAR for advanced environmental perception.

Designed for Slopes, Narrow Paths, and Difficult Terrain

Designed for real gardens, the ViAX can navigate narrow passages up to 60 cm, climb slopes up to 40%, and overcome obstacles up to 4 cm high. Robust off-road wheels provide strong grip, reducing slippage and preventing it from getting stuck, ensuring stable and reliable mowing with minimal impact on the lawn.



Padronanza di ambienti complessi

Image: The MOVA ViAX 500 navigating a 40% slope and a narrow 60cm passage, demonstrating its ability to master complex garden environments.

Custom Cutting Height

Easily adjust the cutting height using the integrated control knob. You can choose from 2 to 6 cm to achieve a specific and tidy cut.



Image: Diagrams illustrating the MOVA ViAX 500's adjustable cutting height settings, showing 2 cm and 6 cm options.

Creative Mowing Patterns

Transform your lawn into a work of art with the MOVAhome app. Choose from a selection of preset patterns like hearts or geometric designs to unleash your inner artist.



Image: A lawn with creative mowing patterns, such as a star and a crescent, created by the MOVA ViAX 500.

MAINTENANCE

Simple Maintenance and Cleaning

Set personalized cleaning points in the app and start the process with a single touch, without manually lifting the ViAX. Its IPX6 waterproof design allows for safe rinsing of the exterior and underside for effortless maintenance.



Semplice manutenzione e pulizia

Imposta punti di pulizia personalizzati nell'app e avvia il processo con un solo tocco: il ViAX si muove automaticamente, senza bisogno di sollevarlo manualmente. Il suo design impermeabile IPX6 consente di risciacquare in sicurezza l'esterno e la parte inferiore per una manutenzione senza sforzi.



Image: Instructions for simple maintenance and cleaning of the MOVA ViAX 500, showing app-based cleaning point setup and manual rinsing of the mower.

Silent Operation and Automatic Features

Operating at a noise level below 57 dB, the ViAX offers quiet mowing that won't disturb your weekend relaxation. It features automatic nighttime recharging and advanced weather monitoring, adapting to conditions like rain, snow, or frost, and resuming mowing when conditions improve.



Rilassati con il tuo tagliaerba intelligente

Image: Collage showing the MOVA ViAX 500's silent operation (below 57dB), IPX6 waterproof rating, and ability to create artistic mowing patterns.

TROUBLESHOOTING

AI-Based Obstacle Avoidance System

Powered by UltraEyes 2.0, the ViAX 500 intelligently detects and avoids over 300 types of obstacles. This advanced system ensures safe, smooth, and reliable mowing, even in narrow passages or complex garden layouts, minimizing potential issues.



Oltre 300



Bambini



Animali
domestici



Persone



Porcospini



Strumenti
di lavoro



Giocattoli



Pompe
d'acqua

Oltre 300 oggetti riconosciuti

Image: The MOVA ViAX 500 demonstrating recognition of over 300 objects, including children, pets, people, hedgehogs, tools, toys, and water pumps.

Designed to Avoid Getting Stuck

The robust front-wheel drive system handles slopes up to 40% and overcomes vertical obstacles up to 4 cm. It navigates through lawn difficulties like small ditches and rocks, ensuring continuous operation.



Progettato per evitare di rimanere bloccato

Un robusto sistema di trazione anteriore affronta pendii fino al 40% e supera ostacoli verticali fino a 4 cm. Naviga attraverso le difficoltà del prato come piccole fosse e rocce.



Libertà di essere flessibile

Dotato di una ruota universale, il ViAX ruota in modo fluido attorno a bordi e angoli stretti, garantendo una navigazione flessibile e una completa copertura del taglio sull'intero prato, anche con layout complessi.

Padronanza di ambienti complessi

Image: The MOVA ViAX 500 demonstrating its ability to navigate challenging terrain and avoid getting stuck, highlighting its robust design.

Advanced Anti-Theft Protection

If lifted, the mower activates an alarm and immediately notifies you via the MOVAhome app. Track its position with the optional MOVA Link module or insert an AirTag for an additional level of protection.



**Modulo di connettività
4G opzionale**

Protezione antifurto Tracciamento in tempo reale + Avvisi

Image: The MOVA ViAX 500 demonstrating anti-theft protection with real-time tracking and alerts, showing the optional 4G connectivity module.

SPECIFICATIONS

Brand	Mova
Model Number	MVLM2100
Style	ViAX 500
Power Source	Battery Powered
Color	Grey
Item Weight	13 Kilograms
Cutting Width	60 cm
Operating Mode	Automatic

Product Dimensions (D x W x H)	59.5P x 27.2I x 38H cm
Smart Home Compatibility	Compatible with smart home systems
Assembly Required	No
Country of Origin	China

WARRANTY AND SUPPORT

Warranty Information

The MOVA ViAX 500 Robotic Lawn Mower comes with a 3-year warranty, ensuring reliable quality. For specific warranty terms and conditions, please refer to the documentation included with your product or contact Mova customer service.

Return Policy

This product is eligible for a refund/replacement within 30 days of purchase, as per Amazon's return policy.

Customer Support

For technical assistance, troubleshooting, or any other inquiries, please contact Mova customer support through their official website or the MOVAhome app. Please have your model number (ViAX 500 / MVLM2100) and purchase information ready when contacting support.