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Mova MVVV1100

MOVA ViAX 250 Wireless Robotic Lawn Mower Instruction Manual

Model: MVVV1100 | Brand: Mova

INTRODUCTION

This manual provides essential information for the safe and efficient operation of your MOVA ViAX 250 Wireless Robotic Lawn Mower. Please read this manual thoroughly before using the product and keep it for future reference.

SAFETY INFORMATION

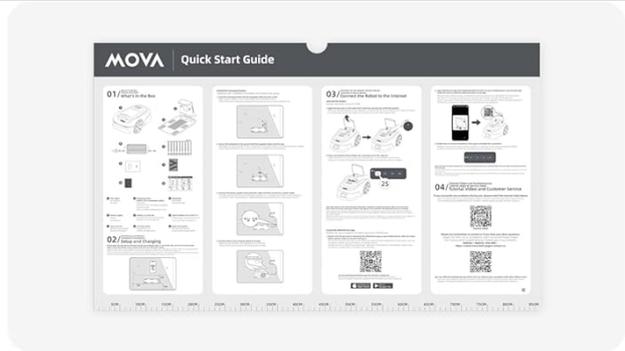
Always prioritize safety when operating the robotic lawn mower. Failure to follow safety instructions can result in injury or damage to the product. Keep hands and feet away from the cutting blades. Ensure children and pets are not in the mowing area during operation. Do not operate the mower in wet conditions or during electrical storms. Always turn off the mower and remove the safety key before performing any maintenance or cleaning.

PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.



Tondeuse robot
x1



Guide de démarrage rapide
x1



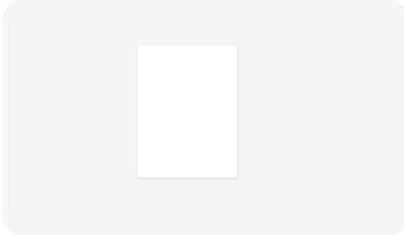
Station de charge
x1



Piquets / Clé hexagonale
x8 / x1



Bloc d'alimentation
x1



Clé hexagonale
x1



Manuel d'utilisation
x1



Lames de rechange / Vis
x9 / x9

Contenu de la boîte

Image: Contents of the MOVA ViAX 250 box, including the robotic mower, charging station, power adapter, quick start guide, user manual, stakes/hex key.

- Robotic Lawn Mower x1
- Charging Station x1
- Power Adapter x1
- Quick Start Guide x1
- User Manual x1
- Stakes / Hex Key x8 / x1
- Spare Blades / Screws x9 / x9

SETUP

1. Wireless Installation and AI-Assisted Mapping

The MOVA ViAX 250 features a wireless setup, eliminating the need for perimeter wires, RTK stations, or signal poles. The UltraEyes 1.0 system automatically maps your lawn and defines virtual boundaries.



Image: The MOVA ViAX 250 being set up wirelessly, with a user interacting with the app to define virtual boundaries. This eliminates the need for physical wiring or RTK stations.

1. **Charging Station Placement:** Place the charging station in a suitable location with access to power and a clear signal.
2. **App Connection:** Download the MOVAhome app and connect your ViAX 250.
3. **Lawn Mapping:** Use the app to guide the mower around the perimeter of your lawn to create a virtual map. The AI-assisted mapping will identify grass areas and non-mowing zones.
4. **Define Restricted Areas:** Within the app, you can mark specific areas as no-go zones (e.g., flower beds, pools) or define passages between mowing areas.

OPERATION

1. Mowing Modes and App Control

The MOVA ViAX 250 offers various mowing modes and can be fully controlled via the MOVAhome application.



Image: A user interacting with the MOVAhome app to select various mowing modes for the ViAX 250 robotic lawn mower.

- **Full Mow:** The mower covers the entire mapped area.
- **Zone Mow:** Select specific zones for mowing.
- **Edge Mow:** The mower focuses on cutting along the edges of your lawn.
- **Localized Mow:** Target a small, specific area for mowing.
- **Manual Mow:** Control the mower manually via the app.

The app also allows you to customize mowing schedules, adjust cutting height, and manage multiple lawn areas.

2. Efficient Mowing with U-Trajectory

The ViAX 250 utilizes U-shaped trajectory planning for efficient and complete lawn coverage, minimizing overlap and ensuring a neat finish.



Image: The MOVA ViAX 250 mowing a lawn in a systematic U-shaped pattern, ensuring thorough and efficient coverage.

3. Advanced AI Obstacle Avoidance

Equipped with UltraEyes 1.0 bi-vision system, the ViAX 250 intelligently identifies and avoids over 300 types of obstacles, including people, pets, toys, and garden furniture. This ensures safe and precise mowing even in complex environments.



Image: The MOVA ViAX 250's AI vision system detecting and navigating around various obstacles on a lawn.

4. All-Terrain Capability

The MOVA ViAX 250 is designed to handle various garden terrains. It can navigate narrow passages (as small as 60 cm), climb slopes up to 40% (22°), and overcome obstacles up to 4 cm high. Its front-wheel drive, omnidirectional rear wheel, and all-terrain tires provide optimal grip and agile movement.



Image: The MOVA ViAX 250 demonstrating its ability to handle inclines and small obstacles on a lawn.

5. Multi-Zone Management

Manage multiple gardens or separate lawn areas with the dual-map management feature. Customize mowing zones and schedules remotely via the MOVAhome app.



Image: The MOVAhome app displaying a multi-zone lawn layout with customized mowing schedules for different areas.

6. Adjustable Cutting Height

Adjust the cutting height from 2 to 6 cm using the control panel to achieve your desired lawn length.

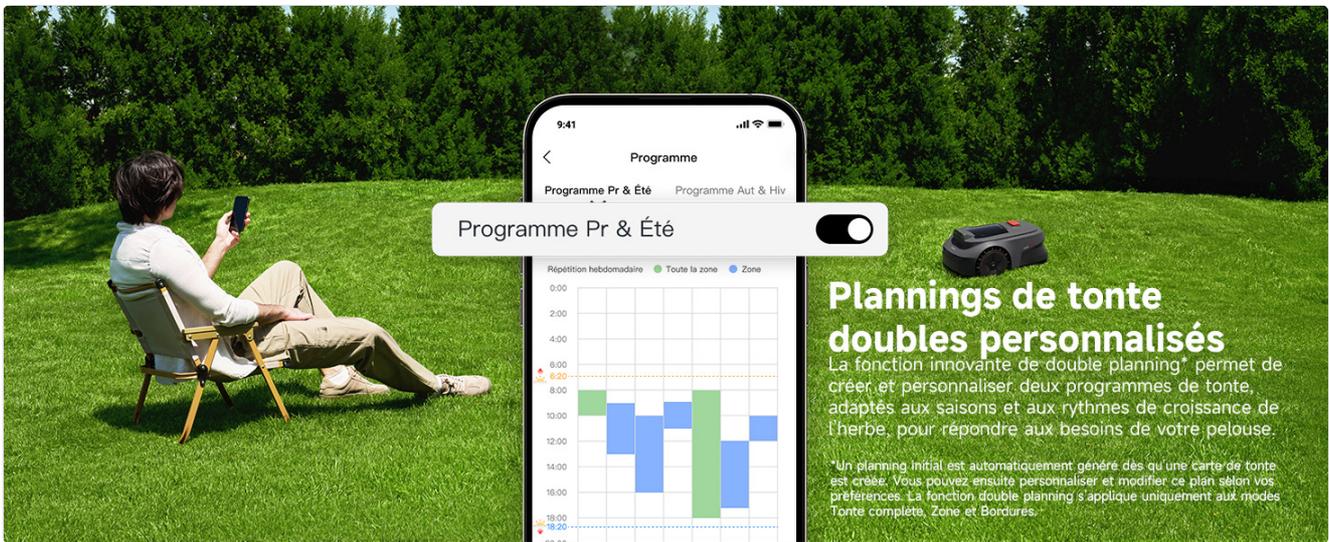


Image: Illustration of the MOVA ViAX 250's adjustable cutting height mechanism, showing settings for 2cm and 6cm.

7. Continuous Mowing and Automatic Recharging

The ViAX 250 ensures continuous lawn care. When the battery level is low, the mower automatically returns to its charging station. Once recharged, it resumes mowing from where it left off.

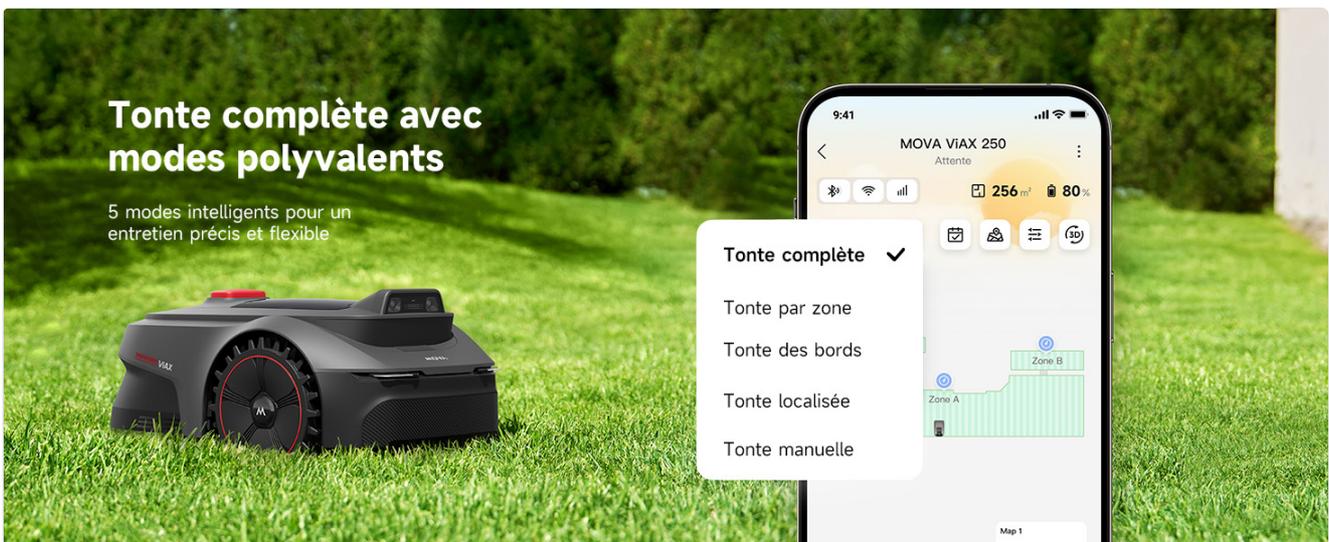


Image: The MOVA ViAX 250 automatically returning to its charging station for recharging, ensuring uninterrupted mowing.

8. Additional Features

- **Reduced Noise:** Operates at less than 57 dB, ensuring quiet lawn care.
- **Eco-Friendly:** Battery-powered with optimized energy consumption.
- **Fast Charging:** Recharges in approximately 45 minutes.
- **Integrated Weather Forecasts:** Stays at the charging station during adverse weather (rain, snow, frost) and resumes mowing when conditions improve.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your MOVA ViAX 250.

1. Cleaning

The mower has an IPX6 waterproof rating, allowing for easy cleaning. You can rinse the exterior and underside with water.



Image: A user cleaning the MOVA ViAX 250 with a hose, highlighting its waterproof design for easy maintenance.

- **Exterior:** Wipe down the top and sides with a damp cloth.
- **Underside:** Regularly clean grass clippings and debris from the cutting deck and wheels. Ensure the mower is turned off and the safety key is removed before cleaning the underside.
- **Charging Contacts:** Keep the charging contacts on both the mower and the charging station clean to ensure proper charging.

2. Blade Replacement

The cutting blades should be inspected regularly and replaced when they show signs of wear or damage to maintain optimal cutting performance. Spare blades are included in the package.

1. Turn off the mower and remove the safety key.
2. Carefully flip the mower over to access the cutting blades.
3. Using the provided hex key, unscrew the old blades.
4. Attach new blades and secure them with the screws. Ensure they are tightly fastened.
5. Dispose of old blades responsibly.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your MOVA ViAX 250.

Problem	Possible Cause	Solution
Mower does not start	Low battery; Safety key not inserted; Power button not pressed.	Charge the mower; Insert the safety key; Press the power button.
Poor cutting performance	Dull or damaged blades; Excessive grass height; Mowing in wet conditions.	Replace blades; Adjust cutting height; Mow when grass is dry.
Mower gets stuck frequently	Obstacles in mowing path; Uneven terrain; Narrow passages.	Clear obstacles; Adjust virtual boundaries; Ensure passages are at least 60cm wide.

Problem	Possible Cause	Solution
Mower does not return to charging station	Charging station not powered; Obstruction to charging station; Signal interference.	Check power supply; Clear path to station; Relocate charging station if necessary.
App connectivity issues	Weak Wi-Fi signal; Mower out of range; App not updated.	Ensure strong Wi-Fi; Move closer to mower; Update MOVAhome app.

For further assistance, please refer to the MOVAhome app or contact customer support.

SPECIFICATIONS

Feature	Detail
Model Number	MVVV1100
Dimensions (L x W x H)	59.51 x 27.19 x 38.04 cm
Weight	13.8 Kilograms
Power Source	Battery Powered
Battery Life	60 minutes (approx.)
Mowing Area Recommendation	Up to 250 m ²
Max Slope	40% (22°)
Obstacle Clearance	Up to 4 cm
Minimum Passage Width	60 cm
Cutting Height Adjustment	2-6 cm
Operating Mode	Automatic
Origin	China

WARRANTY AND SUPPORT

The MOVA ViAX 250 comes with a manufacturer's warranty. Please refer to the warranty card included in your package for specific terms and conditions. For technical support, spare parts, or service inquiries, please contact Mova customer service through the MOVAhome app or visit the official Mova website.

Anti-Theft Protection: The ViAX 250 includes TrueGuard (AI video surveillance + human detection) and anti-theft alerts via the app if the mower is lifted. An optional MOVA Link Module provides GPS tracking.



Trajets en U pour un résultat optimal

Grâce à une planification précise en forme de U, la tondeuse suit le trajet optimal pour une efficacité maximale, laissant une pelouse nette et parfaitement entretenue.



Optimisez l'efficacité de la tonte

Mode standard : 300 m²/jour
Mode efficace : 500 m²/jour

Temps de charge : 45 min
Autonomie par charge : 50 min

Image: The MOVA ViAX 250's anti-theft feature, showing an alert on the smartphone app when the mower is lifted.