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Mova Mova 600 Kit

Mova 600 Robotic Lawnmower User Manual

Model: Mova 600 Kit

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1. INTRODUCTION

The Mova 600 Robotic Lawnmower is designed to provide efficient and autonomous lawn care for areas up to 600 m². Featuring advanced UltraView™ environmental detection technology and wireless installation, it simplifies the process of maintaining a pristine lawn. This manual provides essential information for the safe and effective use of your Mova 600.



Figure 1.1: Mova 600 Robotic Lawnmower and companion app.

2. SAFETY INFORMATION

Always prioritize safety when operating the Mova 600. Read and understand all instructions before use. Failure to follow these instructions may result in injury or damage.

General Safety Guidelines:

- Keep hands and feet away from the cutting blades.
- Do not operate the lawnmower when people, especially children, or pets are in the vicinity.
- Ensure the lawnmower is turned off and disconnected from power before performing any maintenance or cleaning.
- Do not tamper with safety features.
- Only use original Mova replacement parts and accessories.
- The Mova 600 features intelligent obstacle avoidance. However, always clear the mowing area of large objects, toys, and debris before operation.
- The device is equipped with security alerts. If the lawnmower is lifted during operation, an alarm will sound, and the app will send notifications to prevent theft.

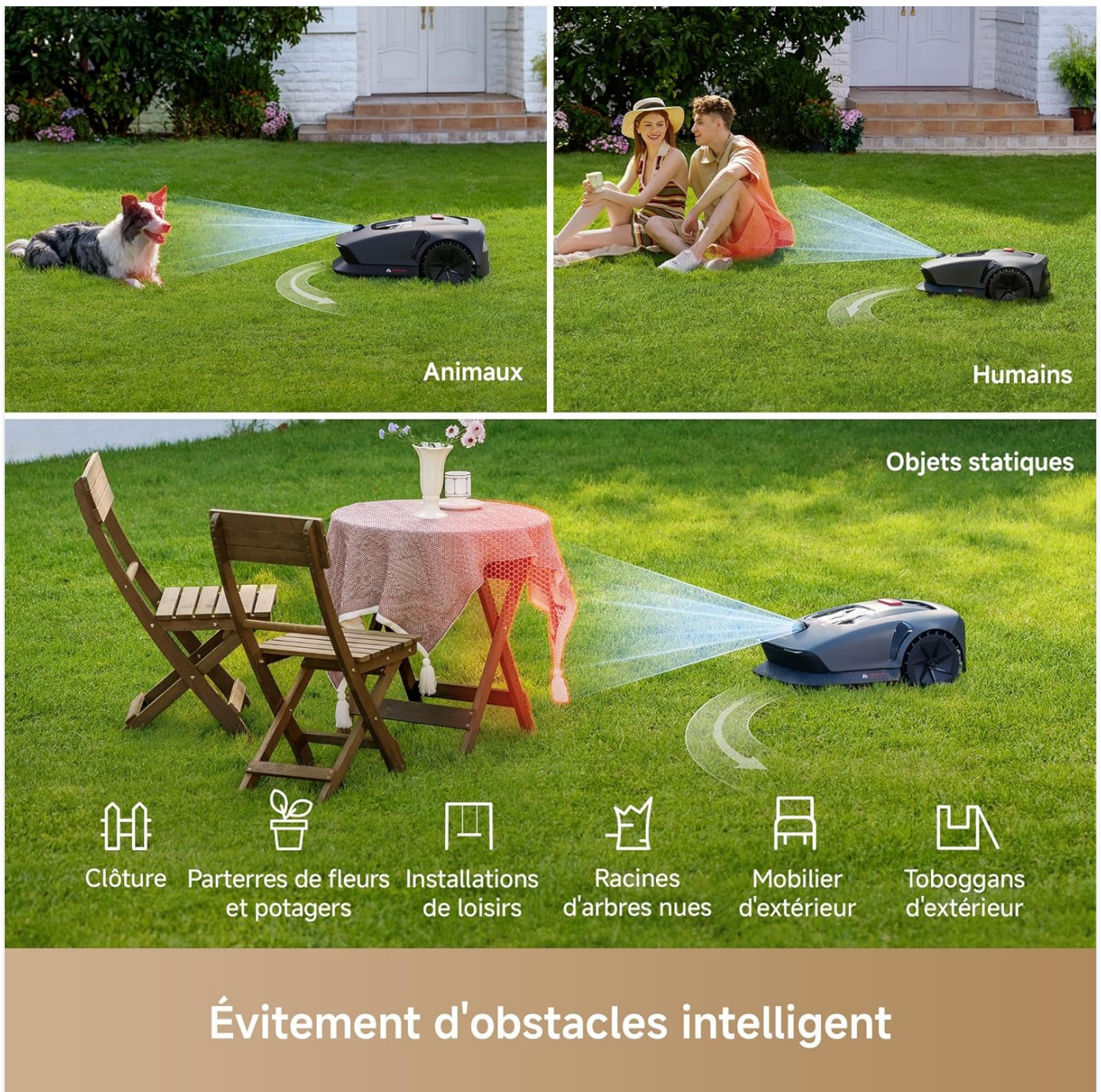


Figure 2.1: Intelligent obstacle avoidance in action.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your Mova 600 Kit package:

- 1 x Mova 600 Robotic Lawnmower
- 1 x Charging Station
- 1 x Cleaning Brush
- 8 x Screws
- 1 x Hex Key
- 1 x Power Adapter
- 1 x Non-lint Cloth
- 1 x User Manual
- 1 x Quick Start Guide

- 1 x Replacement Blade Kit (81 blades and bolts)

Contenu de la boîte



Figure 3.1: Contents of the Mova 600 Kit.

4. SETUP

The Mova 600 features wireless installation, eliminating the need for perimeter wires or RTK base stations. Follow these steps to set up your robotic lawnmower:

1. **Charging Station Placement:** Select a suitable location for the charging station on a flat, level surface. Ensure it has access to a power outlet and is within Wi-Fi range.
2. **Initial Charge:** Place the Mova 600 on the charging station and allow it to fully charge.
3. **App Installation:** Download the MOVAhome application from your smartphone's app store.
4. **Device Pairing:** Open the app and follow the on-screen instructions to pair your Mova 600 with your smartphone via Wi-Fi and Bluetooth.
5. **Mapping Your Lawn:** Use the MOVAhome app to remotely guide the Mova 600 around the perimeter of your lawn. The robot will perceive its 3D environment and create a precise real-time map. You can define virtual boundaries, no-go zones, and pathways between different sections.

Cartographie rapide

Équipé d'un capteur LiDAR de haute précision, le MOVA 600 offre une portée de détection allant jusqu'à 30 mètres* et une vue panoramique de 360 ° x 59 °*. Il perçoit de manière transparente son environnement 3D pendant le mouvement, navigue de manière autonome et conçoit des cartes 3D en temps réel précises des pelouses.

* Portée de détection de 30 m : d'après les tests en laboratoire réalisés par MOVA.
* 360 ° x 59 ° : le détecteur LiDAR du MOVA 600 offre un champ de vision horizontal de 360 degrés et un champ de vision vertical de 59 degrés. Sur la base de nos données de laboratoire internes.



Figure 4.1: Fast and precise lawn mapping via the MOVAhome app.

5. OPERATION

The Mova 600 offers comprehensive control and customization through the MOVAhome app, ensuring your lawn is maintained exactly as you desire.

App Control and Features:

- **Mowing Modes:** Choose from various mowing modes including full coverage, zone-specific mowing, edge cutting, spot mowing, and manual control.
- **Mowing Programs:** Create and customize seasonal mowing schedules to adapt to different grass growth rates.
- **Mowing Efficiency:** Adjust the mowing efficiency to suit your needs, with standard and efficient modes available.
- **Custom Mowing Patterns:** Personalize mowing patterns (e.g., checkerboard, cross-cut) for aesthetic results.
- **Dual Map Management:** Manage multiple maps for different properties or disconnected lawn areas (requires additional charging station).
- **Adjustable Cutting Height:** Easily adjust the cutting height from 2 cm to 6 cm using the button on the control panel.
- **Intelligent Rain Detection:** The Mova 600 automatically returns to its charging station when rain is detected and resumes mowing when the rain stops.



Figure 5.1: MOVAhome app functionalities for lawn maintenance.

Cutting Performance:

The Mova 600 utilizes a systematic U-shaped cutting pattern for efficient and aesthetically pleasing results. Its UltraView™ technology ensures precise positioning and navigation even in complex outdoor environments, including slopes up to 45% (24°).



Figure 5.2: Systematic and efficient U-shaped cutting.

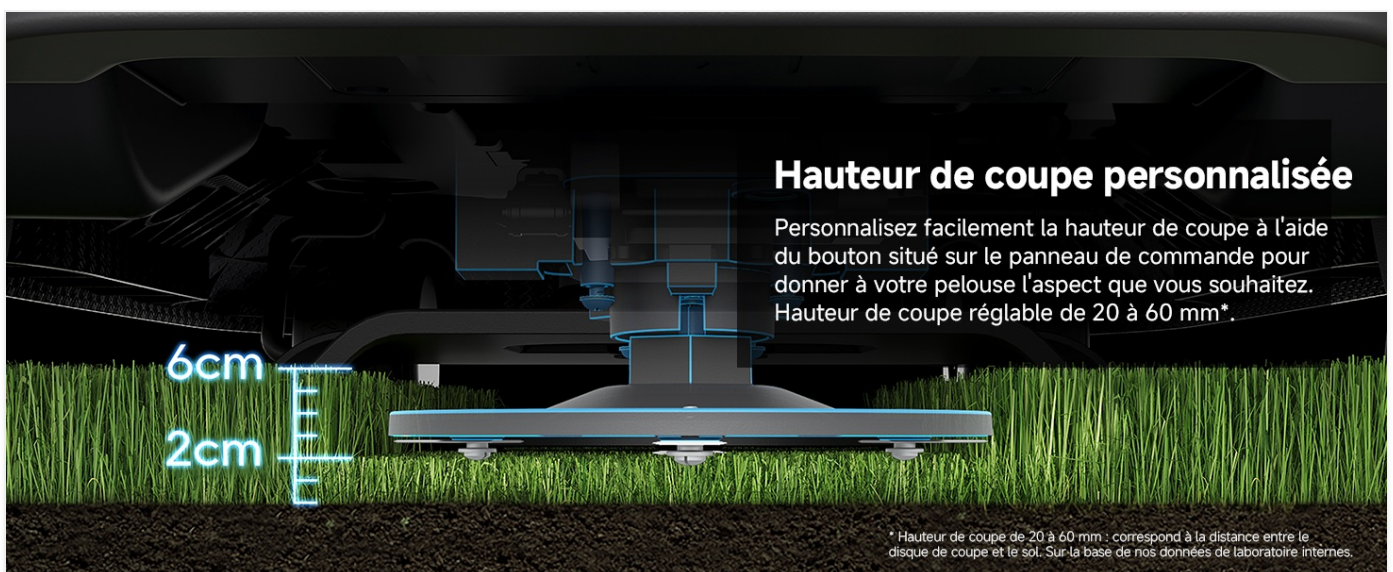


Figure 5.3: Personalized cutting height adjustment.

Official Product Video:

Watch the official product video for a visual guide on the Mova 600's features and operation.

Your browser does not support the video tag.

Video 5.1: Mova 1000 & 600 Pro Robotic Lawnmower Overview. This video demonstrates the key features, setup, and operational capabilities of the Mova robotic lawnmowers, including the Mova 600.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Mova 600.

Cleaning:

The Mova 600 has an IPX6 waterproof design, allowing for easy cleaning with water. Ensure the device is powered off and disconnected from the charging station before cleaning.



Étanchéité

La conception étanche IPX6 permet au MOVA 600 de conserver sa durabilité dans des conditions humides ou pluvieuses, tout en facilitant son nettoyage.

Figure 6.1: Mova 600's IPX6 waterproofing for easy cleaning.

Blade Replacement:

The Mova 600 Kit includes 81 replacement blades and bolts. Regularly inspect the blades for wear or damage and replace them as needed to maintain cutting performance. Refer to the Quick Start Guide for detailed blade replacement instructions.

7. TROUBLESHOOTING

If you encounter issues with your Mova 600, refer to the following common troubleshooting tips. For more detailed diagnostics and solutions, consult the MOVAhome app or the full user manual.

- **Robot not charging:** Ensure the charging station is powered on and the robot is correctly docked. Check for debris obstructing the charging contacts.
- **Robot not mowing:** Verify that a mowing schedule is set in the app and that the robot is within its defined mowing area. Check for any error messages in the app.
- **Poor cutting performance:** Inspect the blades for wear or damage and replace them if necessary. Ensure the cutting height is set appropriately for your grass type.
- **Obstacle detection issues:** Clean the LiDAR sensor on top of the robot. Ensure the mowing area is clear of small, easily moved objects.
- **Connectivity problems:** Check your Wi-Fi signal strength at the charging station and robot's operating area. Restart your router and the robot.

8. SPECIFICATIONS

Key technical specifications for the Mova 600 Robotic Lawnmower:

Feature	Detail
Product Dimensions (L x W x H)	77 x 30.9 x 48.1 cm
Item Weight	10 Kilograms
Model Number	MLLM1110KIT
Brand	Mova

Feature	Detail
Power Source	Battery Powered
Color	Grigio (Grey)
Cutting Width	20 Centimeters
Adjustable Max Cutting Height	6 Centimeters
Operation Mode	Automatic
Mapping & Navigation	UltraView™ Environmental Detection Technology (3D LiDAR)
Obstacle Avoidance	Intelligent (LiDAR 3D)
Mowing Capacity	Up to 600 m ²
Max Slope Performance	45% (24°)
Waterproof Rating	IPX6



Caractéristiques techniques	 MOVA 1000	 KIT MOVA 600/600
Dimensions de la station de recharge	770 x 481 x 309 mm	770 x 481 x 309 mm
Poids du robot tondeuse	11,7 kg	10 kg
Type de configuration des limites	Contrôle à distance	Contrôle à distance
Cartographie & navigation	Technologie de détection environnementale UltraView™	Technologie de détection environnementale UltraView™
Évitement d'obstacles	LiDAR 3D	LiDAR 3D
Capacité de tonte	1 000 m ²	600 m ²
Modes de tonte	Toutes zones/zones/bords/endroit précis/manuelle	Toutes zones/zones/bords/endroit précis/manuelle
Efficacité de la tonte	Mode standard : 800 m ² /24 heures Mode efficacité : 1 200 m ² /24 heures	Mode standard : 600 m ² /24 heures Mode efficacité : 1 000 m ² /24 heures
Performances maximales en pente	45% (24°)	45% (24°)
Système de propulsion	Roue tout-terrain	Roue standard
Courant de recharge	3 A	1,5 A
Temps de recharge	40 min	90 min
Indice d'étanchéité	IPX6	IPX6

Figure 8.1: Technical specifications comparison (Mova 600 Kit column is relevant).

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the contact details provided in the full user manual or visit the official Mova website. Keep your proof of purchase for warranty claims.