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### ANTHBOT Genie600

# ANTHBOT Genie600 Robot Lawnmower Instruction Manual

Model: Genie600 | Brand: ANTHBOT

## INTRODUCTION

This manual provides essential information for the safe and efficient operation, setup, and maintenance of your ANTHBOT Genie600 Robot Lawnmower. Please read this manual thoroughly before using the product and retain it for future reference.

## SAFETY INFORMATION

Always wear protective equipment such as gloves, safety glasses, sturdy shoes, and long trousers to prevent injuries during handling or maintenance of the robot lawnmower.

## WHAT'S IN THE BOX



Image: Components included in the ANTHBOT Genie600 package.

- Robot Lawnmower
- Charging Station
- Charging Station Adapter
- Charging Station Adapter Extension Cable
- RTK Module
- Screws
- Tools
- Instruction Manual

## KEY FEATURES

### Advanced Positioning System (Full Band RTK + V-SLAM)



Image: The ANTHBOT Genie600 utilizing its Full Band RTK GPS for accurate signal reception and positioning.

The ANTHBOT Genie600 combines Full Band RTK and 3D V-SLAM vision systems for reliable, high-precision positioning. Full-band RTK ensures stronger and more stable signal reception, while V-SLAM enables efficient mowing even in areas with weak or no GPS signals, such as under trees or near buildings.

## Automatic and Manual Mapping



Image: The robot lawnmower automatically mapping the lawn using Adaptive Cruise Control (ACC).

Set up in under 8 minutes without perimeter wires. The Genie600 maps your lawn automatically using 4 integrated cameras and Adaptive Cruise Control (ACC), detecting boundaries and outlining the area. Manual map creation and no-go zones can also be set via the app.

## Intelligent Obstacle Avoidance



Image: The robot lawnmower's AI-powered 3D vision and sensors identify and avoid obstacles.

Equipped with AI depth algorithms and 300-degree 3D vision from 4 cameras, the Genie600 recognizes over 999 patterns. Four internal sensors provide 360-degree collision avoidance, allowing it to intelligently detect and avoid obstacles like pets, people, and garden equipment.

## Slope Capability and Cutting Performance

## Riconoscimento e prevenzione degli ostacoli

Grazie agli algoritmi di profondità AI, alla visione a 300° con 4telecamere e ai sensori fisici a 360° Genie rileva gli ostacoli con precisione e li evita, garantendo una manutenzione sicura ed efficiente del prato.



Image: The robot lawnmower demonstrating its ability to climb slopes up to 45%.

The Genie600 features a powerful brushless motor with 3,000 RPM and a wide cutting deck with 5 blades, ensuring precise and efficient cutting. It can handle slopes up to 45% (24°).

## Multi-Zone Management



Image: A visual representation of multi-zone management, allowing the robot to mow different areas at scheduled times.

Take full control of your lawn care with the remote control app. Easily create up to 20 targeted mowing zones and set no-go zones, such as around pools or flowerbeds. The Genie600 excels in managing complex areas, including separate or distinct lawn sections.

## Customizable Cutting Height

Altezza di taglio personalizzata

**da 30 a 70 mm**



Image: Illustration of the customizable cutting height range of 30 to 70 mm.

The cutting height can be adjusted from 30 to 70 mm to suit your lawn's needs. The automatic cutting height adjustment ensures a clean cut without tearing grass blades.

## Edge Cutting



### Sistema de sensor de lluvia

Genie regresa automáticamente a la estación de carga cuando detecta lluvia, por lo que no cubra el sensor de lluvia situado en la parte superior.



### Carga automática

Varios sensores (visual, infrarrojo, inductivo) garantizan una carga fiable y estable. Se evita la sobrecarga y la descarga profunda, con desconexión automática cuando la batería está completamente cargada. La carga rápida reduce el tiempo de carga y prolonga el tiempo de funcionamiento.

Image: The robot lawnmower demonstrating its ability to cut precisely to the edge for a perfect lawn finish.

With precise edge cutting capabilities, the Genie600 ensures a neat finish and complete coverage, especially when the lawn is level with adjacent surfaces.

## Rain Sensor & Automatic Charging



### Facile da pulire

La classe di impermeabilità IPX6 consente di sciacquare facilmente la parte esterna e inferiore del robot tosaerba.

Image: The robot lawnmower's rain sensor and automatic charging system.

The integrated rain sensor detects precipitation, prompting the Genie600 to return to its charging station to stay dry. When the battery is low, it automatically returns to the charging station, recharges, and resumes mowing. Multiple sensors ensure reliable and stable charging, preventing overcharge and discharge.

## Quiet Operation



Image: The ANTHBOT Genie600 operates at a low noise level, ensuring a peaceful garden environment.

The Genie600 operates at a noise level of  $\leq 58$  dB(A), allowing you to enjoy a peaceful garden environment while it works.

## Easy to Clean

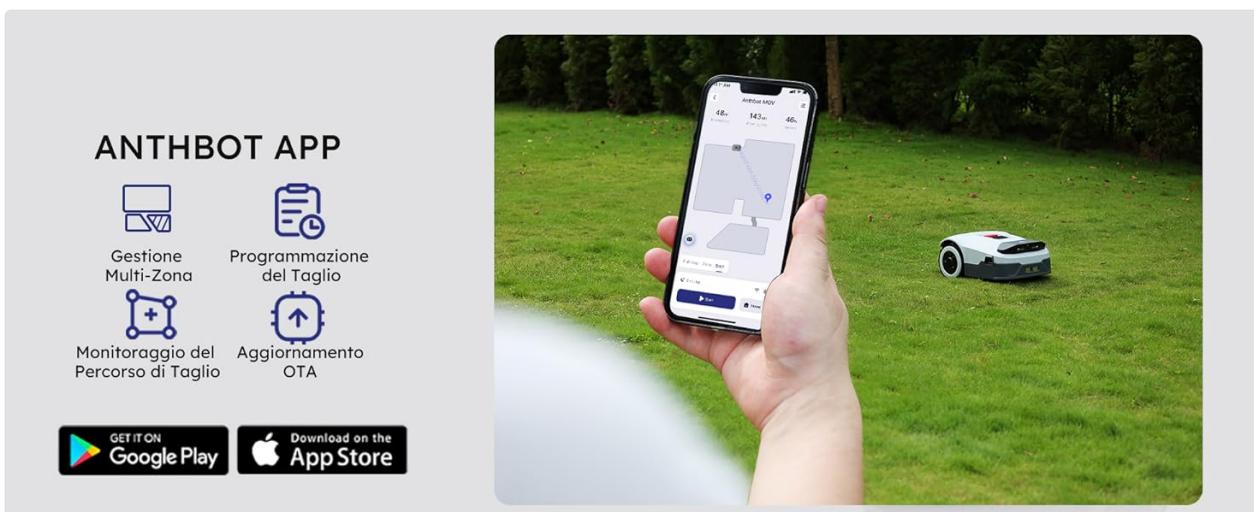


Image: The robot lawnmower being cleaned with water, highlighting its IPX6 waterproof rating.

With an IPX6 waterproof rating, the robot lawnmower's exterior and underside can be easily rinsed with water for cleaning.

## ANTHBOT App Control



Image: The ANTHBOT app interface, showing features like multi-zone management, mowing schedule, and OTA updates.

The ANTHBOT app provides comprehensive control, including multi-zone management, mowing schedule programming, cutting path monitoring, and Over-The-Air (OTA) updates.

## SETUP

- Unpack and Place:** Carefully remove all components from the packaging. Place the robot lawnmower and its charging station in a suitable location on your lawn, ensuring the charging station has access to power.
- Initial Connection:** Download the ANTHBOT app from your smartphone's app store. Follow the in-app instructions to connect your robot lawnmower to your phone.
- Mapping Your Lawn:** The Genie600 can automatically map your lawn using its integrated cameras and Adaptive Cruise Control (ACC). Ensure clear boundaries for optimal automatic detection. Alternatively, use the app to manually create a map and define mowing zones or no-go areas.
- Charging:** Allow the robot to fully charge before its first operation. The robot will automatically return to its charging station when the battery is low.

## OPERATING INSTRUCTIONS

- Starting Mowing:** Once mapped and charged, you can initiate mowing via the ANTHBOT app.
- Scheduling:** Use the app to set a regular mowing schedule. You can define specific times and days for the robot to operate.
- Multi-Zone Mowing:** If you have multiple distinct lawn areas, use the app to create and manage up to 20 separate zones. This allows for targeted mowing in specific areas.
- Adjusting Cutting Height:** The cutting height can be adjusted between 30 mm and 70 mm through the robot's settings or via the app.
- Obstacle Avoidance:** The robot will intelligently detect and avoid obstacles. However, it is recommended to clear the lawn of small objects before mowing.

- Rain Detection:** The integrated rain sensor will pause mowing and send the robot back to its charging station during rain. Mowing will resume once conditions are suitable.

## MAINTENANCE

- Cleaning:** Regularly clean the robot lawnmower. Its IPX6 waterproof rating allows for easy rinsing of the exterior and underside with water. Ensure the robot is powered off and disconnected from the charging station before cleaning.
- Blade Inspection and Replacement:** Periodically inspect the cutting blades for wear or damage. Replace dull or damaged blades to maintain optimal cutting performance. Replacement blades are available separately.
- Software Updates:** Keep the ANTHBOT app and robot firmware updated via OTA updates to ensure the best performance and access to new features.

## TROUBLESHOOTING

- Robot not connecting to app:** Ensure your phone's Wi-Fi is set to 2.4 GHz, as some devices may not support 5 GHz networks for initial setup. Check your home network connection.
- Robot not mowing entire area:** Verify that the lawn has been fully mapped and all desired zones are included in the mowing schedule. Check for any signal interruptions in specific areas.
- Boundary line issues:** If the robot stops due to a broken boundary line, repair the boundary in the app or physically if necessary, then resume operation.
- Obstacle detection issues:** Ensure the robot's cameras and sensors are clean and unobstructed.

## SPECIFICATIONS

| Feature            | Specification                            |
|--------------------|--|
| Product Dimensions | 60 x 42 x 25 cm                          |
| Weight             | 12 kg                                    |
| Material           | Plastic                                  |
| Power Source       | Battery Powered (1 AAA battery included) |
| Cutting Width      | 20 cm                                    |
| Operating Mode     | Automatic                                |

|              |          |
|--------------|----------|
| Color        | Grey     |
| Model Number | Genie600 |

## WARRANTY AND SUPPORT

The ANTHBOT Genie600 comes with a 2-year EU spare parts availability. For customer support, please refer to the ANTHBOT Store EU for assistance. ANTHBOT offers 24-hour customer support.

For more information, visit the [ANTHBOT Brand Store](#).

## OFFICIAL PRODUCT VIDEOS

### ANTHBOT Robot Lawnmower Self-Presentation

Your browser does not support the video tag.

Video: An official self-presentation of the ANTHBOT Robot Lawnmower, showcasing its features and ease of use, including installation, signal strength, precise path planning, blade height adjustment, slope handling, obstacle avoidance, and automatic charging.