

## ANTHBOT M5 LiDAR

# ANTHBOT M5 LiDAR Robot Lawnmower User Manual

Model: M5 LiDAR

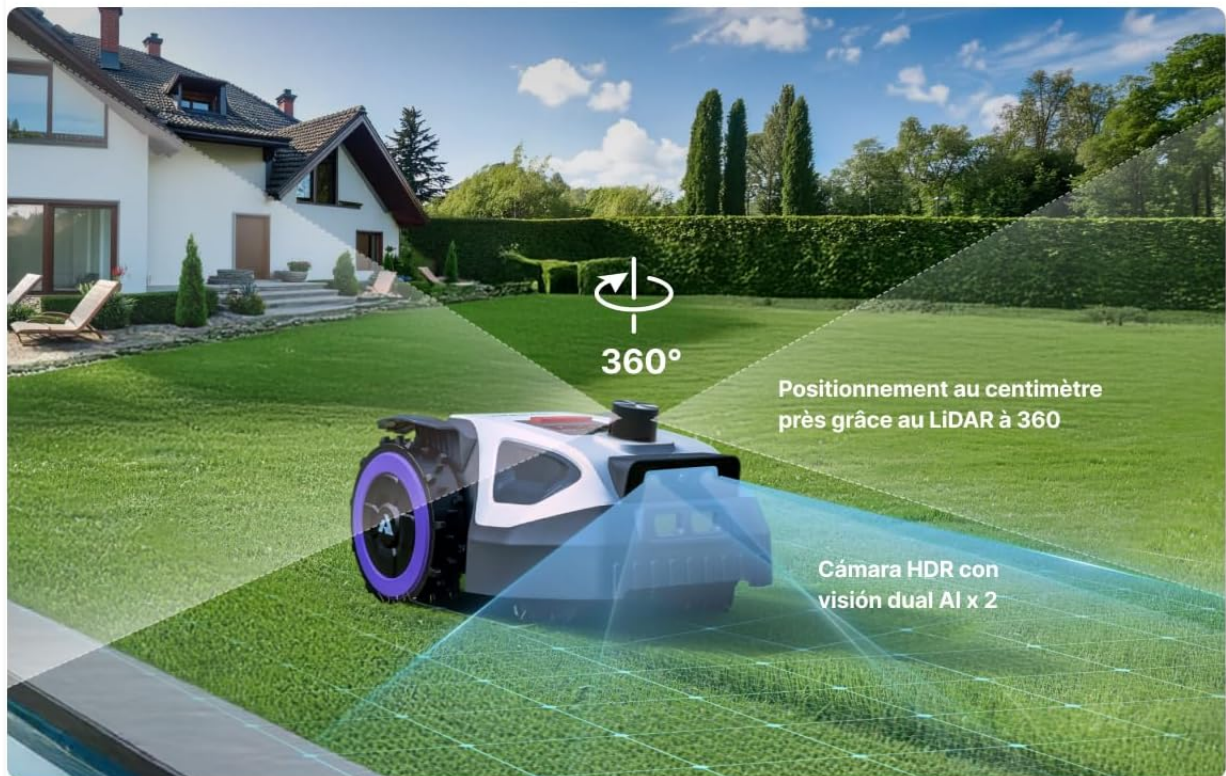
## 1. INTRODUCTION

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The ANTHBOT M5 LiDAR Robot Lawnmower is designed to simplify residential lawn maintenance for areas up to 500 m<sup>2</sup>. This advanced robotic mower operates without the need for perimeter wires or an RTK station, offering a true "Plug and Play" experience. Simply place it on your lawn to begin mowing. It is an ideal solution for existing gardens or terrains where complex cable installation would be difficult.

Equipped with 360° LiDAR navigation and a dual HDR camera, the M5 precisely maps your garden, ensuring uniform coverage even in complex areas with trees, flowerbeds, narrow passages, or near fences. Its compact design allows it to navigate passages as narrow as 70 cm and reach difficult-to-access corners.

# LiDAR à 360°, Offrant une Couverture Parfaite sur les Pelouses Complexes



*Image: The ANTHBOT M5 utilizing 360° LiDAR for centimeter-level positioning and dual AI HDR camera vision, providing comprehensive coverage on complex lawns.*

The M5 features a 20 cm cutting disc and a durable brushless motor, capable of covering up to 500 m<sup>2</sup> per day and handling slopes up to 24° (45%). The cutting height is adjustable from 3 to 7 cm via the mobile application, allowing for customized lawn care. Operating at a maximum sound level of 58 dB, it is suitable for residential environments. Intelligent programming allows for fixed schedules, dawn/dusk-based mowing, and rain sensor integration. With IPX6 protection, AI obstacle detection, and an emergency stop button, the M5 is built for safe daily use.

## 2. SAFETY INFORMATION

Always read and understand all safety instructions before operating the ANTHBOT M5 LiDAR Robot

Lawnmower. Failure to follow these instructions may result in injury or damage to the product.

- **Emergency Stop Button:** The robot is equipped with an emergency stop button. Press this button immediately in case of any unexpected behavior or hazard.
- **Obstacle Detection:** The AI obstacle detection system helps the robot avoid objects. However, always ensure the mowing area is clear of small children, pets, and loose objects before operation.
- **Blade Safety:** Keep hands and feet away from the cutting blades. Never attempt to service the blades while the robot is powered on.
- **Water Protection:** The robot has an IPX6 rating, meaning it is protected against powerful water jets. However, avoid submerging the unit.
- **Supervision:** While the robot operates autonomously, occasional supervision is recommended, especially during initial setup and in complex garden layouts.

## 3. SETUP AND INITIAL USE

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The ANTHBOT M5 is designed for a "Plug and Play" experience, requiring no perimeter wires or RTK station setup.

### 3.1 Unboxing and Placement

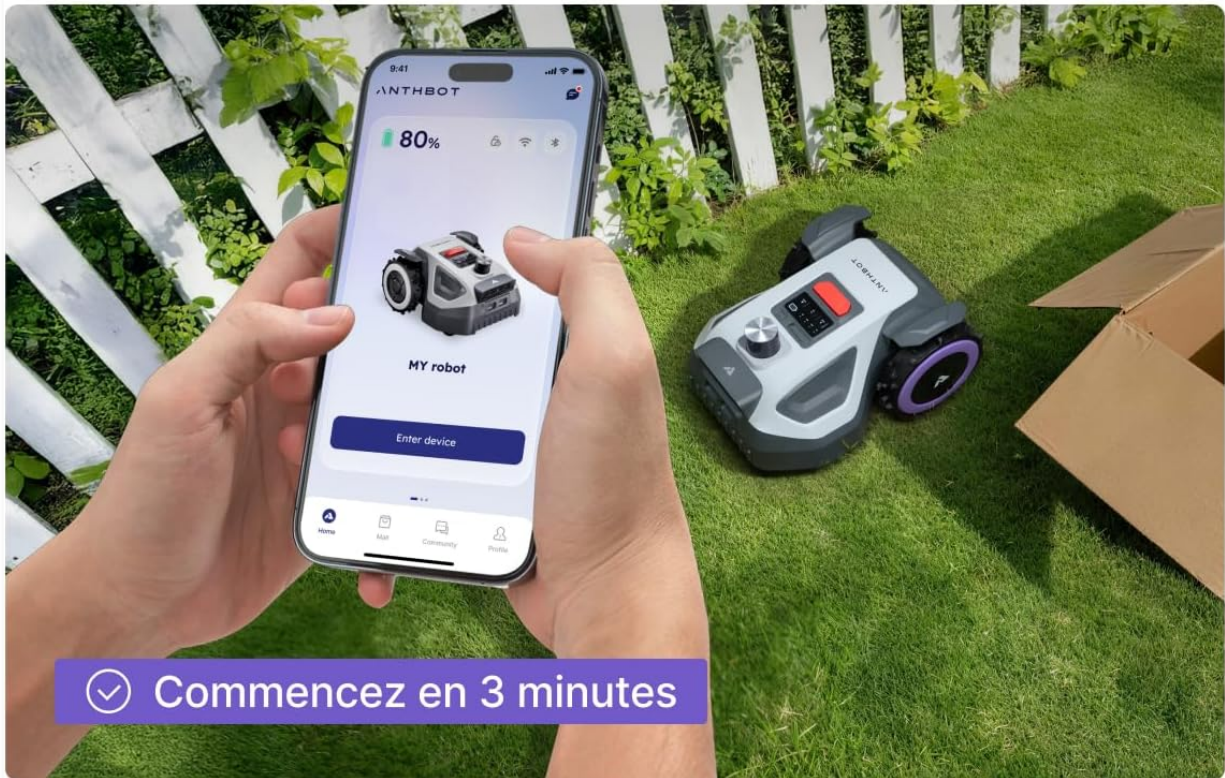
1. Carefully remove the robot lawnmower and all accessories from the packaging.
2. Place the robot directly on your lawn in the area you wish to mow. Ensure it has clear access to the area.
3. Ensure the charging station is placed in an accessible location with a power outlet, preferably in a shaded area.

### 3.2 First Start and Mapping

Upon its first activation, the M5 LiDAR system will automatically begin mapping your garden. This process allows the robot to understand the layout of your lawn, including obstacles and boundaries.

# Commencez en 3 Minutes

## Prêt à l'emploi dès sa sortie de l'emballage



*Image: The ANTHBOT M5 Robot Lawnmower in operation, controlled via a mobile application. This illustrates the ease of setup without wires or RTK.*

- Power on the robot.
- Follow the on-screen instructions or mobile app prompts to initiate the initial mapping process.
- The robot will navigate your garden to create a precise map using its 360° LiDAR and dual HDR camera.

### 3.3 Mobile Application Connection

Download the official ANTHBOT mobile application from your device's app store. The app allows for advanced control, scheduling, and monitoring of your M5 robot lawnmower.

- Open the ANTHBOT app and create an account or log in.

- Follow the in-app instructions to connect your M5 robot lawnmower. This typically involves scanning a QR code on the robot or entering a device ID.
- Once connected, you can view the mapped garden, set mowing zones, and adjust settings.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Starting and Stopping Mowing

- **Start Mowing:** You can initiate a mowing session directly from the robot's control panel or through the mobile application.
- **Pause/Stop Mowing:** Press the emergency stop button on the robot or use the pause/stop function in the mobile app to halt operation.
- **Return to Charging Station:** The robot will automatically return to its charging station when its battery is low or when a mowing session is complete. You can also command it to return via the app.

### 4.2 Adjusting Cutting Height

The cutting height can be adjusted from 3 cm to 7 cm to suit your lawn's needs and desired grass length.

# Hauteur De Coupe Réglable Via L'application.



*Image: Adjusting the cutting height of the ANTHBOT M5 via the mobile application, showing a range of 3-7 cm.*

- Open the ANTHBOT mobile application.
- Navigate to the "Settings" or "Mowing Plan" section.
- Select the desired cutting height within the 3-7 cm range. The robot will adjust automatically.

## 4.3 Smart Mowing Program and Scheduling

Utilize the intelligent programming features to optimize your mowing schedule.

# Programme de Tonte Intelligent



Image: The ANTHBOT M5 mobile app displaying a smart mowing program with scheduled zones and times for different days.

- **Fixed Schedules:** Set specific days and times for the robot to mow.
- **Dawn/Dusk-based Mowing:** Program the robot to mow based on local sunrise and sunset times.
- **Rain Sensor Integration:** The robot can automatically pause mowing during rain and resume when conditions are suitable.
- **Zone Management:** Define multiple mowing zones within your garden and assign specific schedules or cutting heights to each.

## 4.4 AI Obstacle Avoidance

The M5 uses advanced AI to detect and avoid over 1000 types of obstacles, ensuring safe operation around people, pets, and garden items.

# L'IA détecte plus de 1000 obstacles

Vision IA à 150° Protection de la faune sauvage



*Image: Illustration of the ANTHBOT M5's AI obstacle detection capabilities, identifying various objects in its path.*

## 5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your ANTHBOT M5 robot lawnmower.

### 5.1 Cleaning

- **Undercarriage:** Periodically clean grass clippings and debris from the cutting deck and wheels. Use a brush or damp cloth.
- **Sensors:** Ensure the LiDAR sensor and camera lenses are clean and free from obstructions for accurate navigation.
- **Exterior:** Wipe down the robot's exterior with a damp cloth. Avoid using harsh chemicals.

- **Water Resistance:** The robot has IPX6 protection, allowing for cleaning with a gentle water spray, but avoid high-pressure washing directly on sensitive components.

## 5.2 Blade Replacement

The cutting blades should be inspected regularly and replaced when they become dull or damaged. Dull blades can lead to an uneven cut and put extra strain on the motor.

1. **Power Off:** Always turn off the robot and remove the safety key (if applicable) before performing any blade maintenance.
2. **Wear Gloves:** Blades are sharp. Wear protective gloves during replacement.
3. **Unscrew:** Use a screwdriver to remove the screws holding the old blades in place.
4. **Install New Blades:** Attach new, genuine ANTHBOT replacement blades, ensuring they are securely fastened.

## 6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your ANTHBOT M5 robot lawnmower.

| Problem                                    | Possible Cause   | Solution   |
|--|--|--|
| Robot does not start.                      | Low battery; Emergency stop button pressed; Power switch off.              | Charge the robot; Release the emergency stop button; Turn on the main power switch.                  |
| Uneven cutting.                            | Dull or damaged blades; Incorrect cutting height setting.                  | Replace blades; Adjust cutting height via the app.   |
| Robot gets stuck frequently.               | Obstacles in the path; Complex terrain not fully mapped.                   | Clear the mowing area; Re-map the garden or define exclusion zones in the app.                       |
| Robot does not return to charging station. | Charging station obstructed; Robot too far from station; Navigation issue. | Ensure clear path to charging station; Manually guide robot closer; Check app for navigation errors. |
| App connection issues.                     | Bluetooth/Wi-Fi off; Robot out of range; App needs update.                 | Ensure Bluetooth/Wi-Fi is active; Move closer to robot; Update the ANTHBOT app.                      |

## 7. SPECIFICATIONS

Below are the technical specifications for the ANTHBOT M5 LiDAR Robot Lawnmower:

| Feature               | Detail   |
|-----------------------|--|
| Model Number          | M5 LiDAR   |
| Brand                 | ANTHBOT  |
| Recommended Lawn Area | Up to 500 m <sup>2</sup>                           |
| Navigation Technology | 360° LiDAR, Dual HDR Camera, AI Obstacle Detection |

| Feature                        | Detail   |
|--------------------------------|--|
| Cutting Width                  | 20 cm  |
| Adjustable Cutting Height      | 3 - 7 cm (via mobile app)                                  |
| Max Slope Capability           | 24° (45%)  |
| Motor Type                     | Brushless Motor  |
| Noise Level                    | ≤ 58 dB  |
| Power Source                   | Battery  |
| Water Protection Rating        | IPX6   |
| Product Dimensions (L x W x H) | 49.8 x 39.2 x 40 cm (approx. 50 x 27.4 x 40 cm from specs) |
| Compact Size for Passages      | Can navigate passages of 70 cm                             |
| Smart Home Compatibility       | Compatible with digital home systems                       |

# Compact, Hautement Efficace et Économe en Énergie



*Image: The compact design of the ANTHBOT M5, highlighting its 0.7m width and 9.8 kg weight for efficient navigation.*

# Compact, Hautement Efficace et Économe en Énergie



**20cm**  
Disque à lame

**500m<sup>2</sup>**  
/jour

**24°/45%**  
Pente de

**Moteur**  
sans balais

*Image: Internal view of the ANTHBOT M5, illustrating its 20cm cutting disk, brushless motor, and capacity to cover 500m<sup>2</sup> per day on slopes up to 24° (45%).*



*Image: Key features of the ANTHBOT M5, including IPX6 water resistance, quiet operation ( $\leq$  58 dB), wireless updates, and the emergency stop button.*

## 8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product or visit the official ANTHBOT website. Keep your proof of purchase for warranty claims. For technical assistance or inquiries, please contact ANTHBOT customer service through the mobile application or their official support channels.

**Online Resources:** [Visit the ANTHBOT Store on Amazon](#)

