

Sunseeker S3

Sunseeker S3 Robot Mower Instruction Manual

Model: S3

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1. INTRODUCTION

The Sunseeker S3 Robot Mower is designed to provide precise and effortless lawn care for areas up to 800 m². It integrates advanced navigation technologies and intelligent features to ensure a well-maintained lawn with minimal user intervention.

Key Features:

- **High-Precision RTK + VSLAM Navigation:** Ensures centimeter-level accuracy and stable navigation across various terrains.
- **AI-Assisted Automatic Mapping:** Creates a high-precision map of your garden without the need for perimeter wires.
- **Intelligent AI Vision Obstacle Avoidance:** Detects and bypasses over 360 types of obstacles, including plants, toys, and pets.
- **Multi-Zone Management:** Capable of managing up to 60 different mowing zones and adapting trajectories.
- **App Control & Smart Home Integration:** Remote control via mobile application and compatibility with Alexa and Google Home for voice control.

2. SETUP GUIDE

2.1 Unboxing and Components

Carefully unpack all components from the box. Ensure all items listed below are present.

Votre tranquillité d'esprit, garantie

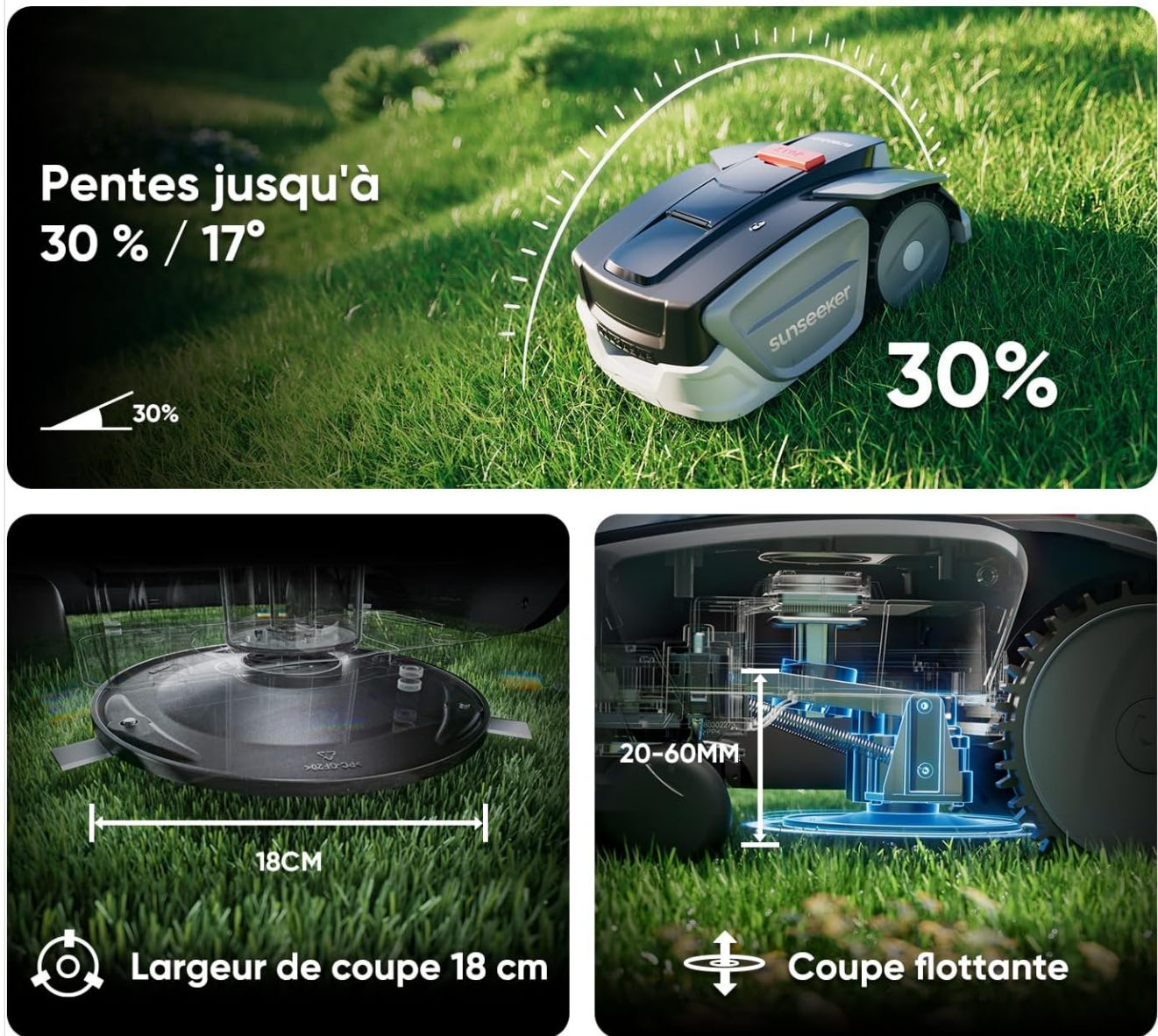


Figure 2.1: Box Contents. This image displays the Sunseeker S3 Robot Mower, its charging station, antenna, charger, user manual, spare blades, and mounting accessories.

- Robot Mower (x1)
- Charging Station (x1)
- Antenna (x1)
- Charger for Charging Station (x1)
- User Manual (x1)
- Spare Blades (x6) and Screws (x6)
- Nails for Charging Station (x8)
- Nails for Antenna (x4)

2.2 Charging Station and Antenna Installation

Place the charging station in a suitable location with access to power and a clear view of the sky for optimal RTK signal reception. Install the antenna according to the instructions in the included manual, ensuring it is securely fixed and has an unobstructed view.

2.3 Initial Charging

Before first use, fully charge the robot mower by placing it on the charging station. The indicator lights on the mower and/or charging station will confirm charging status.

2.4 Automatic Mapping via App

The Sunseeker S3 utilizes AI-assisted mapping, eliminating the need for perimeter wires. Download the Sunseeker mobile application to your smartphone. Follow the in-app instructions to initiate the automatic mapping process. The mower will navigate your garden to create a precise map, which you can then customize.



Figure 2.2: AI-Assisted Smart Mapping. The image illustrates the mobile application interface for mapping the garden, showing how the robot mower creates a digital map without physical boundary wires.

3. OPERATION

3.1 Navigation and Mowing

The S3 Robot Mower uses a combination of Full-Band RTK and VSLAM technologies for highly accurate and stable navigation. It optimizes its mowing paths, including an efficient U-trajectory, to cover your lawn thoroughly.

Full-Band RTK + VSLAM

Navigation stable et précise pour votre jardin

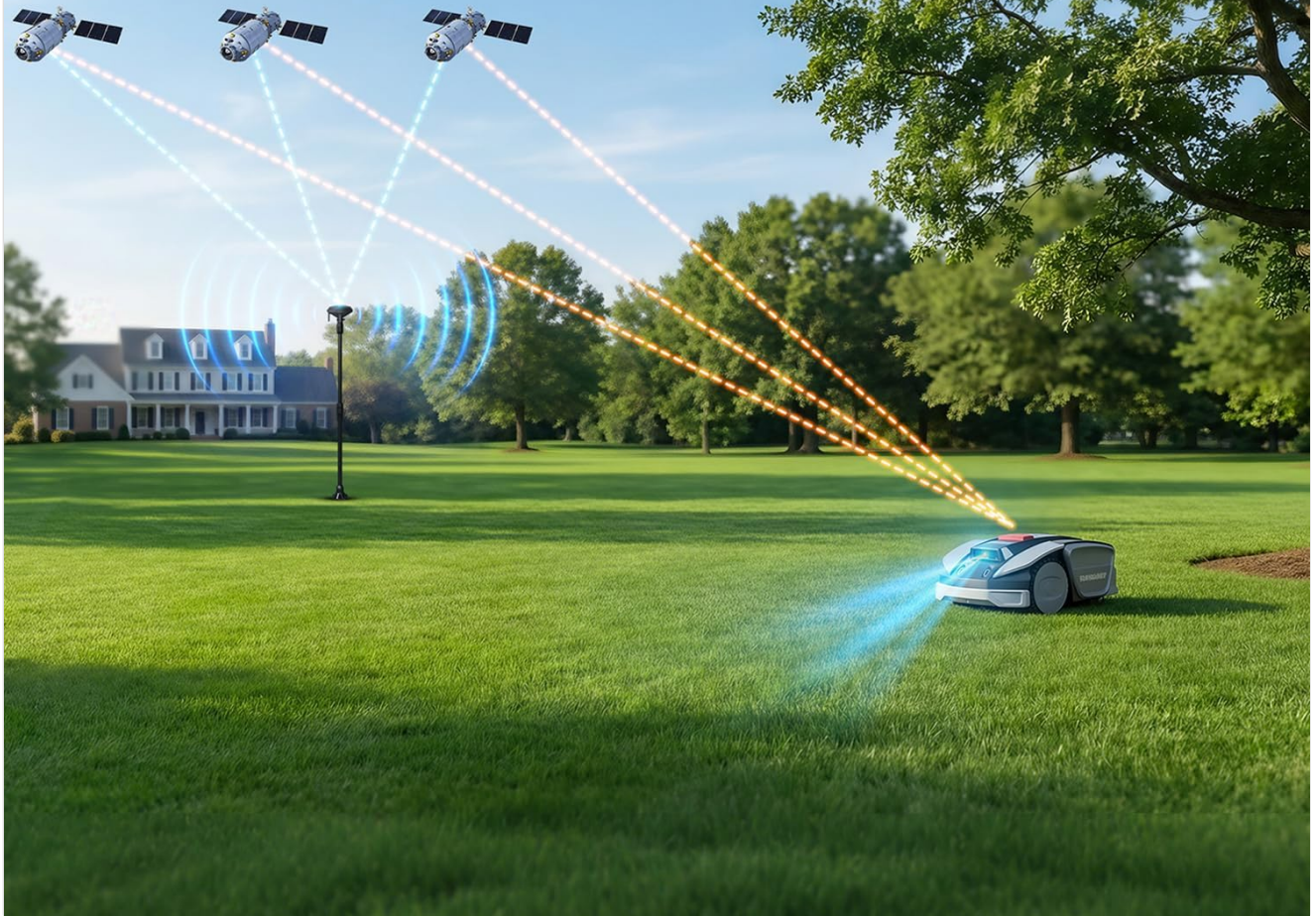


Figure 3.1: Full-Band RTK + VSLAM Navigation. This image shows the robot mower operating on a lawn, with graphical overlays illustrating the precise navigation provided by RTK and VSLAM technologies.

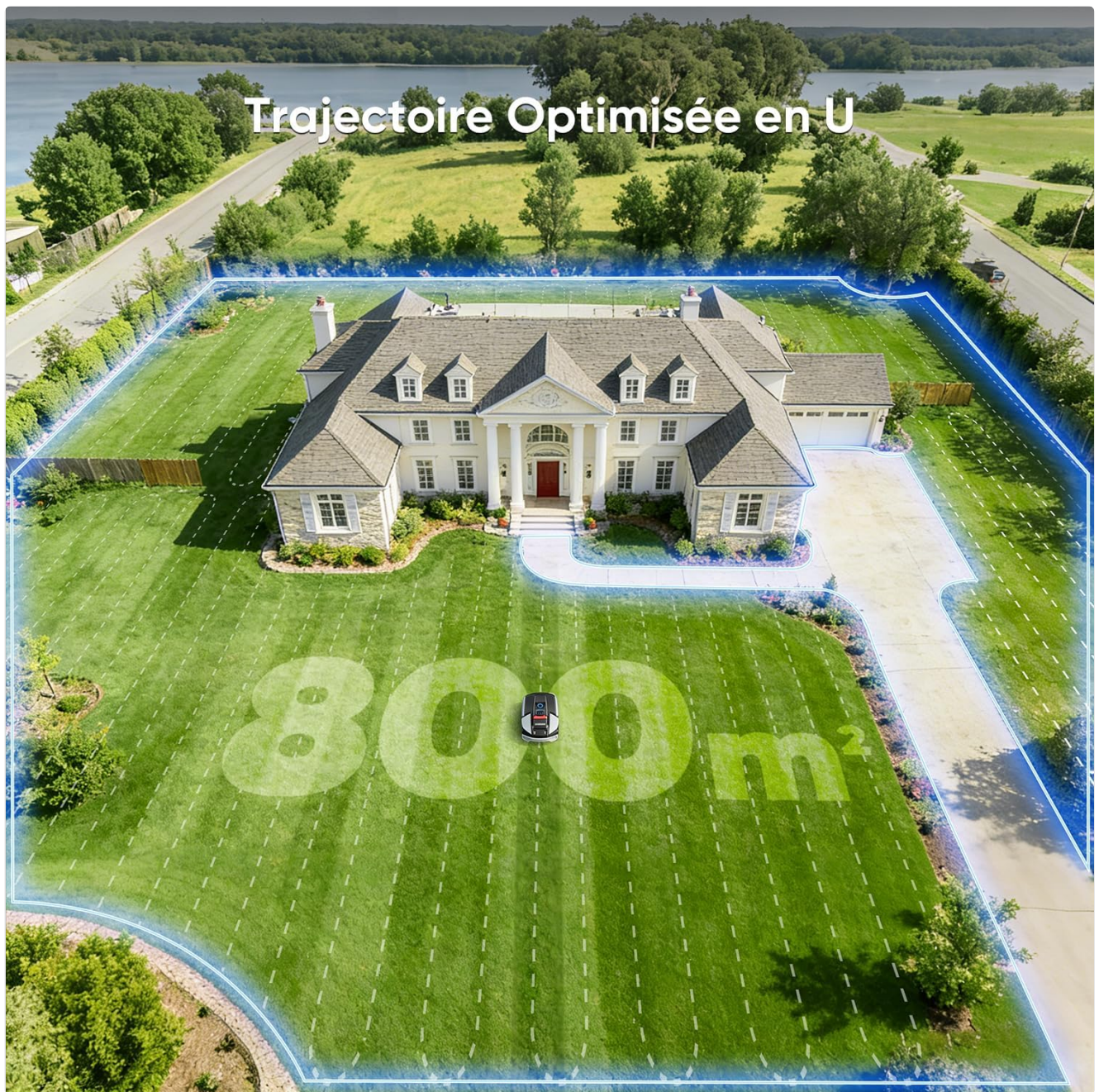


Figure 3.2: Optimized U-Trajectory. An overhead view demonstrating the efficient U-shaped mowing pattern the robot mower uses to cover a large lawn area.

3.2 Intelligent Obstacle Avoidance

Equipped with AI Vision, the S3 can detect and intelligently bypass over 360 types of obstacles, ensuring safe and uninterrupted mowing. This includes common garden items, plants, and even pets.



Figure 3.3: AI Vision Obstacle Avoidance. The image shows the robot mower detecting and avoiding a rocking horse, with a visual list of over 360 types of obstacles it can identify.

3.3 Multi-Zone Management

The mobile application allows you to define and manage up to 60 different mowing zones and 5 distinct maps within your garden. This feature is ideal for complex garden layouts or separating areas with different mowing requirements.



Figure 3.4: Multi-Zone Management. This graphic illustrates how a garden can be divided into multiple zones (Zone A, Zone B, Zone C) and managed through the mobile application for customized mowing schedules.

3.4 App Control and Smart Home Integration

Control your Sunseeker S3 remotely using the dedicated mobile application. You can start, stop, schedule mowing, and adjust settings from anywhere. The mower is also compatible with Alexa and Google Home, allowing for convenient voice commands.



Figure 3.5: Smart Home Integration. The image shows the robot mower in a garden setting with an Amazon Echo device, highlighting its compatibility with Alexa and Google Home for hands-free voice control.

3.5 Slope Handling and Cutting Mechanism

The S3 is designed to handle slopes up to 30% (17°), ensuring consistent mowing even on uneven terrain. It features an 18 cm cutting width and a floating cutting deck that adapts to ground contours for an even cut.

Maison Connectée et Contrôle Vocal

Tonte mains libres



Figure 3.6: Terrain Adaptability and Cutting Features. This composite image demonstrates the mower's ability to handle slopes up to 30%, its 18 cm cutting width, and the floating cutting deck for consistent results.

4. MAINTENANCE

4.1 Cleaning

The Sunseeker S3 has an IPX5 waterproof rating, allowing for easy cleaning with a hose. Regularly clean the underside of the mower, especially the cutting deck and wheels, to prevent grass buildup and ensure optimal performance.

Durabilité & Entretien Facile



Détection de Pluie

Retour automatique à la station en cas de pluie.



Étanchéité IPX5

Protégée contre les jets d'eau et les averses.

Figure 4.1: Durability & Easy Maintenance. This image shows the robot mower being sprayed with water, highlighting its IPX5 water resistance for easy cleaning. It also shows the mower returning to its station during rain.

4.2 Blade Replacement

For best cutting results, inspect the blades regularly and replace them when they show signs of wear or damage. Always use genuine Sunseeker replacement blades. Refer to the detailed instructions in the main user manual for safe blade replacement procedures. Spare blades and screws are included in the box.

4.3 Software Updates

Ensure your robot mower's software is up to date for optimal performance and new features. Updates are typically managed through the mobile application. Follow the app's prompts for any available software updates.

5. TROUBLESHOOTING

If you encounter any issues with your Sunseeker S3 Robot Mower, please refer to the following general troubleshooting steps. For detailed solutions, consult the full user manual or contact customer support.

- **Mower not starting:** Check if the battery is charged and if the mower is correctly placed on the charging station. Ensure all safety switches are engaged.
- **Poor cutting performance:** Inspect blades for wear or damage and replace if necessary. Clean the cutting deck to remove any grass buildup.
- **Mower getting stuck:** Ensure the mapping is accurate and there are no new obstacles in the mowing area. The AI vision system should help avoid most obstacles.
- **Connection issues with app:** Verify your Wi-Fi or Bluetooth connection. Restart the app and the mower if necessary.
- **Mower not returning to charging station:** Check for obstructions around the charging station. Ensure the station has power and a clear signal.

For more specific error codes or persistent problems, refer to the comprehensive troubleshooting section in the complete user manual.

6. SPECIFICATIONS

Feature	Specification
Brand	Sunseeker
Model Number	S3
Power Source	Battery Powered
Material	Plastic
Color	Silver Grey
Item Weight	9.15 Kilograms
Cutting Width	18 Centimeters
Product Dimensions (L x W x H)	62P x 39I x 26H centimeters
Max Adjustable Cutting Height	60 Millimeters
Min Adjustable Cutting Height	20 Millimeters
Country of Origin	China

7. WARRANTY & SUPPORT

7.1 Warranty Information

The Sunseeker S3 Robot Mower comes with a **3-year warranty** (2 years from purchase, plus an additional 1 year upon product registration within one month of purchase). Please retain your proof of purchase for warranty claims.

7.2 Customer Support

For any questions, technical assistance, or service requests, please contact Sunseeker customer support:

- **Email:** support@sunseekertech.eu (Available Mon-Sun 09:00-21:00)
- **Phone:** +33 4 22 75 05 51 (Available Mon-Fri 09:00-18:00, Sat 10:00-16:00)
- **Repair Center:** Contact support for information on authorized repair centers.

Additional resources such as installation guides, FAQs, and the full user manual are available online or through the mobile application.

Service sans souci – nous sommes là pour vous aider



Figure 7.1: Worry-Free Service. This graphic outlines the available support channels including telephone assistance, email support, and repair centers, alongside digital resources like installation guides and FAQs.