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NAVIMOW i105N

Segway Navimow i105N Robot Lawn Mower User Manual

Brand: NAVIMOW | Model: i105N

1. IMPORTANT SAFETY INFORMATION

For your safety and to ensure proper operation, please adhere to the following guidelines:

- Always ensure the lawn mower is used on a clear, obstacle-free lawn to prevent damage or injury.
- Keep children and pets away from the mower during operation to avoid accidents.
- Refer to the official [Safety Information PDF](#) for detailed safety instructions.

2. PACKAGE CONTENTS

The Segway Navimow i105N package includes all necessary components for setup and operation:

- 1 x Navimow i105N robotic lawnmower
- 1 x Power Supply (4.9ft Cable)
- 1 x Extension Cable for Power Supply (32.8ft)
- 10 x Pegs to secure the extension cable
- 1 x Charging Station and Installation Kit
- 1 x GNSS Antenna Kit
- 1 x Antenna Installation Kit
- 9 x Spare Blades and Bolts
- 1 x User Materials Set (Quick Start Guide, Important Information)



Navimow i series



Power Supply (4.9ft Cable)



Extension Cable for Power Supply 32.8ft



Extension Cable for Antenna 32.8ft



Charging Station and Installation Kit



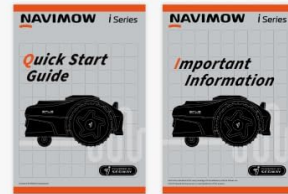
GNSS Antenna with 6.6ft Cable



Assembly Blades



Antenna Installation Kit



User Guide

Image: All components included in the Segway Navimow i105N package.

3. SETUP GUIDE

3.1 Wire-Free Installation & AI-Assisted Mapping

The Navimow i105N eliminates the need for perimeter wires, simplifying installation. Use the Navimow app on your smartphone to guide the mower and map out virtual boundaries for your lawn. The AI-powered Assist Mapping feature helps identify clear lawn edges and automatically maps the entire working area, making setup intuitive.



Image: AI-assisted automatic mapping process via the Navimow app.

3.2 RTK+Vision Positioning

Enhanced EFLS 2.0 technology, combining customized RTK (Real-Time Kinematic) and Vision, provides centimeter-level positioning accuracy. This allows the Navimow to navigate complex garden layouts, including areas under trees or narrow corridors, ensuring precise operation even in challenging environments.



Image: RTK+Vision technology enables the mower to handle gardens with tall trees.

3.3 Initial Charging

Before first use, ensure the robotic lawnmower is fully charged. Place the mower on its charging station, ensuring proper contact. The mower will automatically recharge as needed during operation.

Your browser does not support the video tag.

Video: This video demonstrates the ease of setting up the Navimow i Series robot mower, including antenna and charging station placement, and app interface.

4. OPERATING INSTRUCTIONS

4.1 Efficient Lawn Maintenance

The Navimow mows your lawn using planned patterns for systematic and efficient grass cutting. It changes mowing direction after 100% coverage to minimize tracks and intelligently recharges, continuing until the job is complete, ensuring a consistently fresh lawn appearance.

4.2 Smart App Control & Multi-Zone Management

Manage your Navimow with the dedicated app. You can edit the mowing map, set different schedules and mowing directions

for up to 12 distinct zones, and remotely control your lawn mower. The app also allows you to track mowing progress and locate your mower (with optional Access+ module). Over-the-air (OTA) updates provide access to the latest features and improvements.

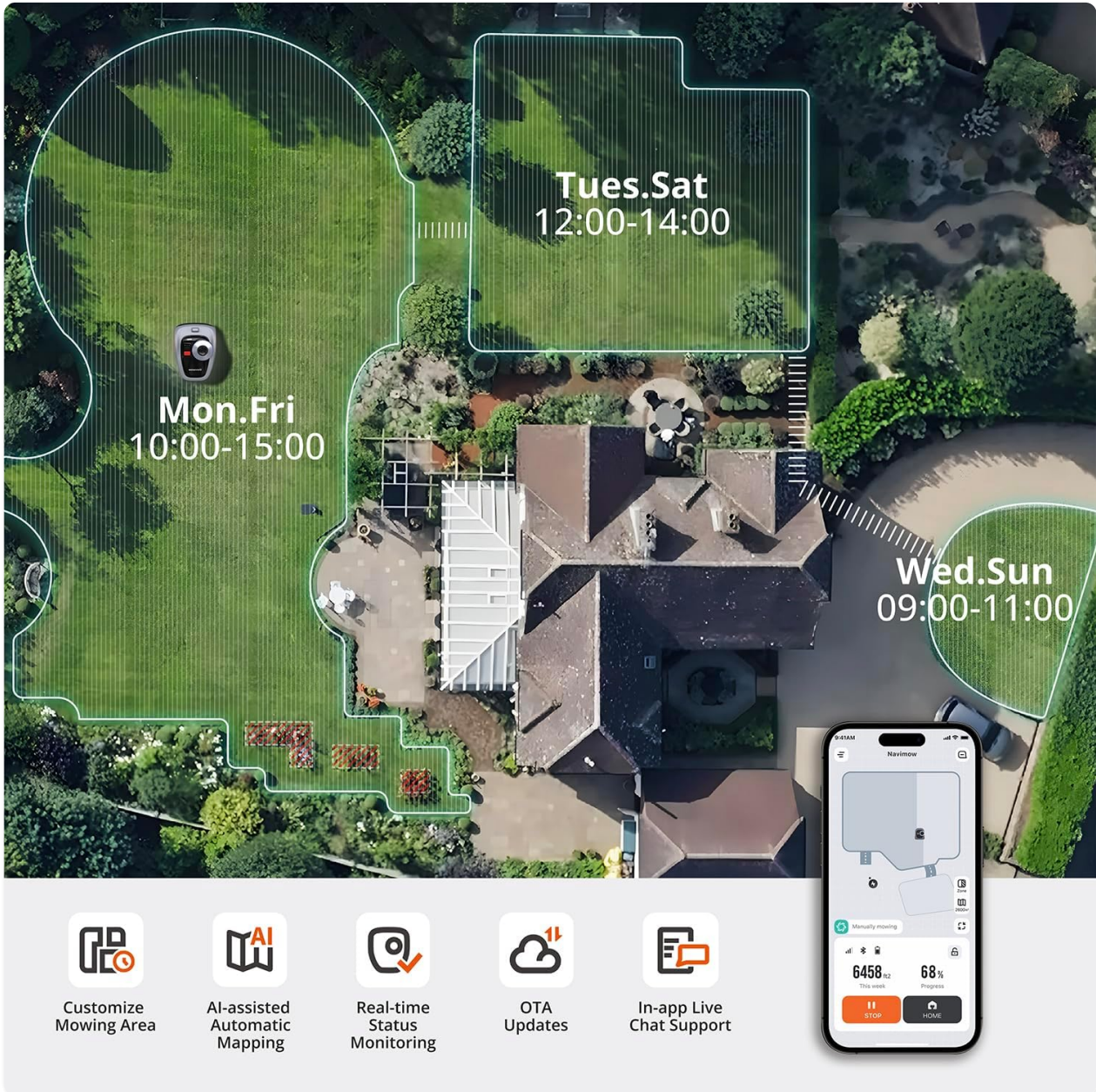


Image: Smart App Control and Multi-Zone Management features.

4.3 Obstacle Avoidance

Equipped with a 140° field-of-view camera and built-in AI algorithms, the Navimow can detect over 150 types of common garden objects. This advanced capability ensures strong obstacle avoidance and a high level of safety during operation, minimizing collisions with pets, toys, or garden furniture.

Identifies **150+** Types of Obstacles



- | | | | | | | | | | | | | | |
|--|--|--|---|--|--|--|---|---|--|--|--|---|---|
| 
Ground Lights | 
Trunk | 
Furniture | 
People | 
Trampolines | 
Cylinders | 
Walls | 
Rocks | 
Hedgehog | | | | | |
| 
Doors | 
Footballs | 
Cats/Dogs | 
Bushes | 
Fences | 
Flower Pots | 
Pavements | 
Slides | 
Curbs | 
Hand Tools | 
Molehills | 
Picnic Blankets | 
Grills | 
Toys |

Image: The mower identifies over 150 types of obstacles for enhanced safety.

4.4 Voice Control Integration

The Navimow i105N supports smart home integration, allowing control via voice commands through platforms like Alexa and Google Home. This provides convenient remote operation of your robotic lawnmower.

Smart Home by Voice Control

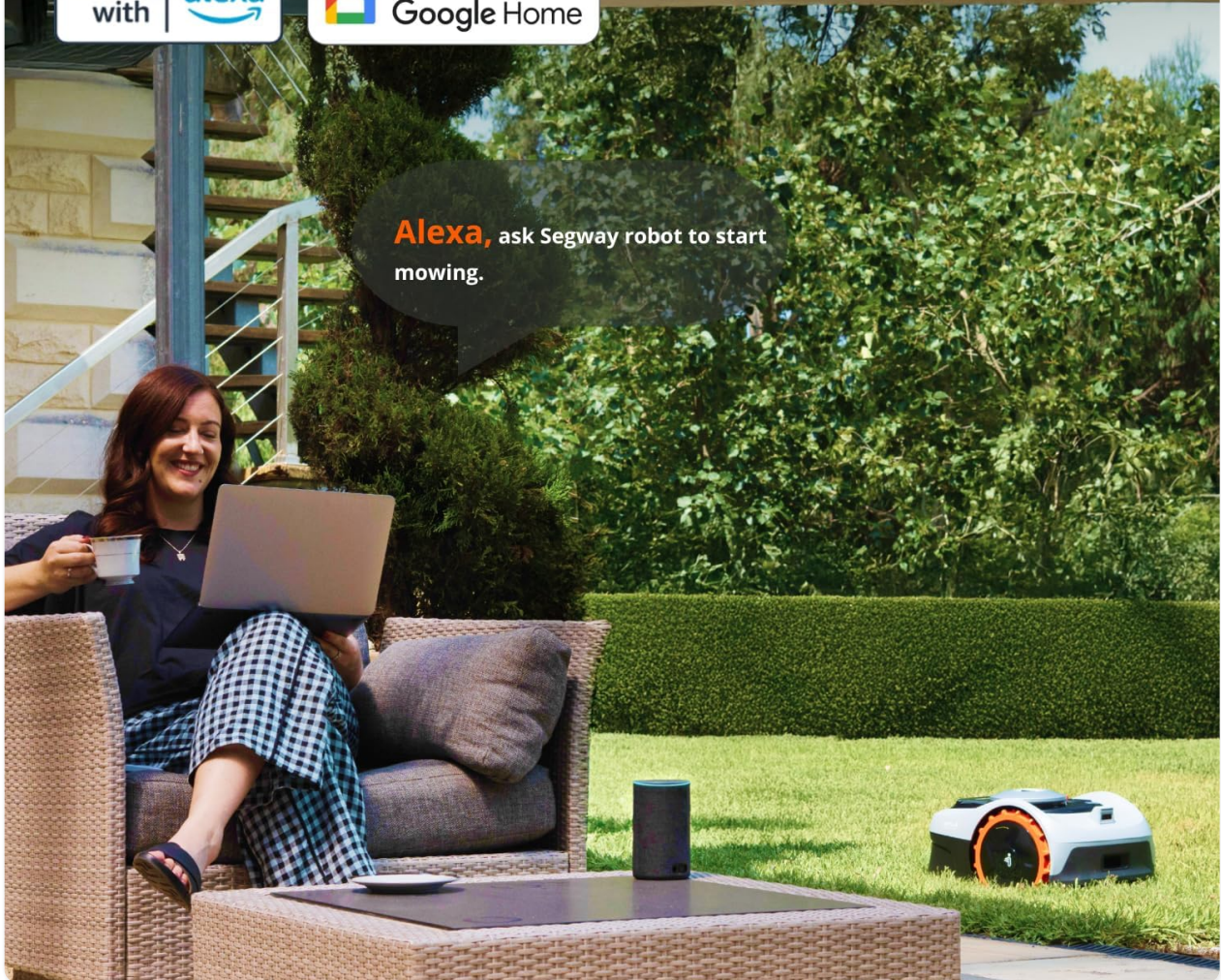


Image: Smart Home integration allows voice control of the Navimow.

5. MAINTENANCE

5.1 Blade Replacement

Regularly inspect the blades for wear and tear. Replace dull or damaged blades with the provided spare blades and bolts to ensure optimal cutting performance. Refer to the user manual for detailed instructions on blade replacement.

5.2 Cleaning and Storage

Keep the mower clean from grass clippings and debris. For long-term storage, especially during off-season, ensure the mower is clean, fully charged, and stored in a dry, protected area. The silicone pegs provided can mark the charging station location for easy re-installation.

6. TROUBLESHOOTING

6.1 Mower Getting Stuck

If the mower frequently gets stuck, inspect your lawn for significant divots, humps, or very thick grass patches. Ensure the front wheels have sufficient ground clearance. Clear any obstacles from the mowing path. Adjusting the cutting height may also help

in challenging terrain.

6.2 Poor Mowing Performance

If the lawn appears unevenly cut, check the blades for sharpness and damage. Replace them if necessary. Ensure the mowing schedule allows for sufficient coverage of all zones. Verify that the virtual boundaries are correctly set in the app and that the GNSS antenna has a clear view of the sky.

6.3 Connectivity Issues

If the mower loses connection to the app or charging station, check your Wi-Fi signal strength in the mowing area. Ensure the charging station is properly installed and powered. For 4G connectivity, verify the optional Access+ module is correctly installed and activated.

7. SPECIFICATIONS

Feature	Detail
Brand	NAVIMOW
Model Number	i105N
Power Source	Battery Powered (6 Lithium Ion batteries included)
Recommended Cutting Area	Up to 1/8 acre
Cutting Width	7.1 Inches
Cutting Height	2 - 3.6 Inches (Adjustable)
Mowing Time per Charge	60 minutes
Charging Time	90 minutes
Max. Slope	30% (17°)
Noise Level	58 dB(A)
Protection Level	IP66 (Waterproof)
IoT Connectivity	Wi-Fi, Bluetooth, 4G (optional with Access+)
Product Dimensions	21.5"D x 11.2"W x 15.2"H
Item Weight	24 Pounds

8. WARRANTY AND SUPPORT

8.1 Product Warranty

The Segway Navimow i105N comes with a 3-Year Protection Plan, ensuring peace of mind for your investment. Please refer to the warranty documentation included in your package for full terms and conditions.

8.2 Customer Support

For further assistance, technical support, or inquiries, please refer to the official [User Manual PDF](#) or contact NAVIMOW customer service through the Navimow App.

