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› NAVIMOW i215 LiDAR Robot Lawn Mower Instruction Manual

NAVIMOW i215 LiDAR

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Brand: NAVIMOW | Model: i215 LiDAR

1. INTRODUCTION

The NAVIMOW i215 LiDAR Robot Lawn Mower is an advanced, wire-free robotic lawn care solution designed for efficient and precise mowing. Featuring LiDAR and Vision Dual Fusion technology, it offers accurate navigation and obstacle avoidance. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your NAVIMOW i215 to ensure optimal performance and a well-maintained lawn.

Your browser does not support the video tag.

Video: An overview of the Segway Navimow i215 LiDAR Robot Lawn Mower, showcasing its key features such as wire-free operation, LiDAR and Vision Dual Fusion, AI VisionFence, and multi-zone management.

2. SETUP

2.1. Unboxing and Package Contents

Carefully unpack all items from the box. Ensure all components are present before proceeding with installation.



Image: NAVIMOW i215 LiDAR Robot Lawn Mower and its accessories, including the charging station, power supply, extension cable, spare blades, and user manuals.

The package typically includes:

- NAVIMOW i215 LiDAR Robot Lawn Mower
- Charging Station and Installation Kit
- Pegs to Secure Extension Cable
- Spare Blades and Bolts
- Power Supply Adapter
- Extension Cable for Power Supply
- User Materials (Quick Start Guide, Important Information)

2.2. Charging Station and RTK Setup

Position the charging station in an area with a clear view of the sky, free from obstructions like trees or building eaves, to ensure optimal GPS signal reception. Connect the power supply and RTK antenna to the charging station. Secure the charging station to the ground using the provided screws.

2.3. App Installation and Initial Pairing

Download the official NAVIMOW app from your smartphone's app store. Follow the in-app instructions to pair your mower via Bluetooth and connect it to your home Wi-Fi network. The app will guide you through a self-check to ensure all systems are operational.

2.4. Mapping the Lawn

The NAVIMOW i215 utilizes LiDAR and Vision Dual Fusion for wire-free auto-mapping. Use the app's remote control feature to guide the mower along the edges of your lawn to create virtual boundaries. You can define up to 20 mowing zones, off-limit islands (areas to avoid), and channels to connect different zones.



Image: The NAVIMOW app displaying a mapped lawn with multiple zones (Zone 1, Zone 2, Zone 3, Zone 4) and their respective cutting heights. This illustrates the multi-zone management capability.

The app provides visual feedback during mapping, allowing you to correct errors by reversing the mower's path. Ensure all obstacles are removed from the lawn during the initial mapping process.

3. OPERATING THE NAVIMOW i215

3.1. Mowing Schedules and Settings

Use the NAVIMOW app to set customized mowing schedules for each zone. You can specify mowing times, days, and even different cutting heights for various areas of your lawn. The mower supports voice control via Alexa and Google Home for hands-free operation.

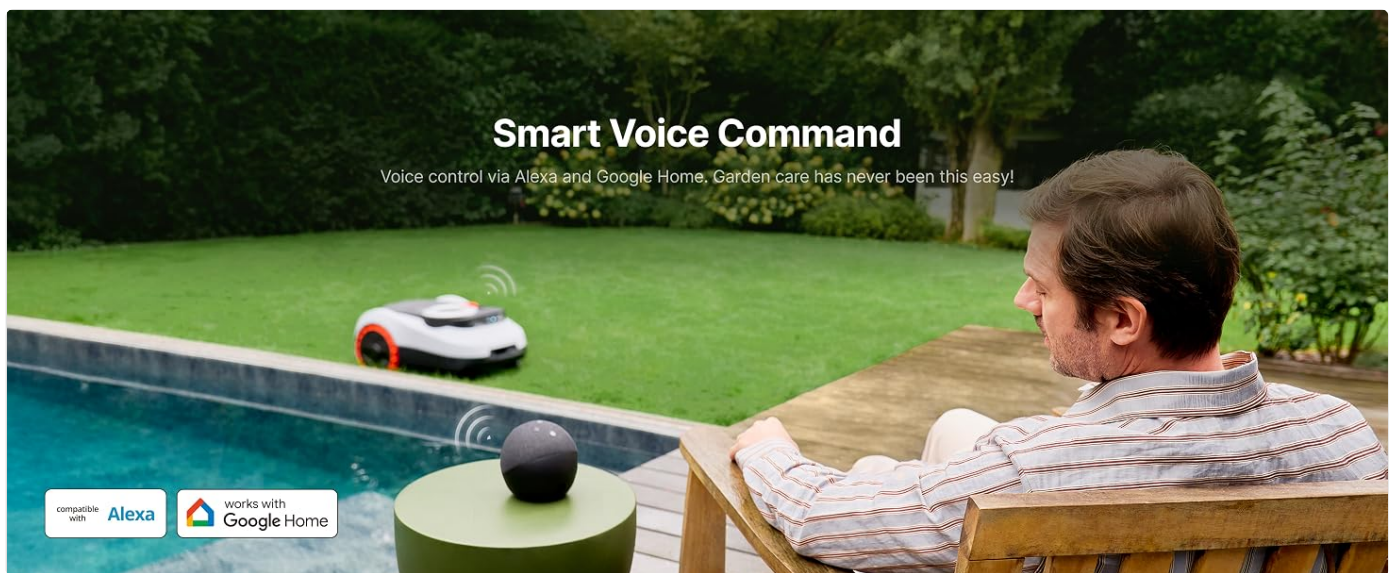


Image: A person relaxing in a garden while the NAVIMOW i215 operates. An Alexa device is visible, indicating voice control capabilities for the mower.

The mower features a 100W motor with a 6-blade disc, offering a 7.1-inch cutting width and adjustable cutting height from 2 to 4 inches for consistent results.

3.2. Obstacle Avoidance (AI VisionFence)

The AI VisionFence system detects over 200 types of obstacles with 0.4-inch accuracy, ensuring the mower navigates safely around objects, pets, and children. You can also define "VisionFence-off zones" for areas where the mower should ignore potential obstacles, such as stepping stones.

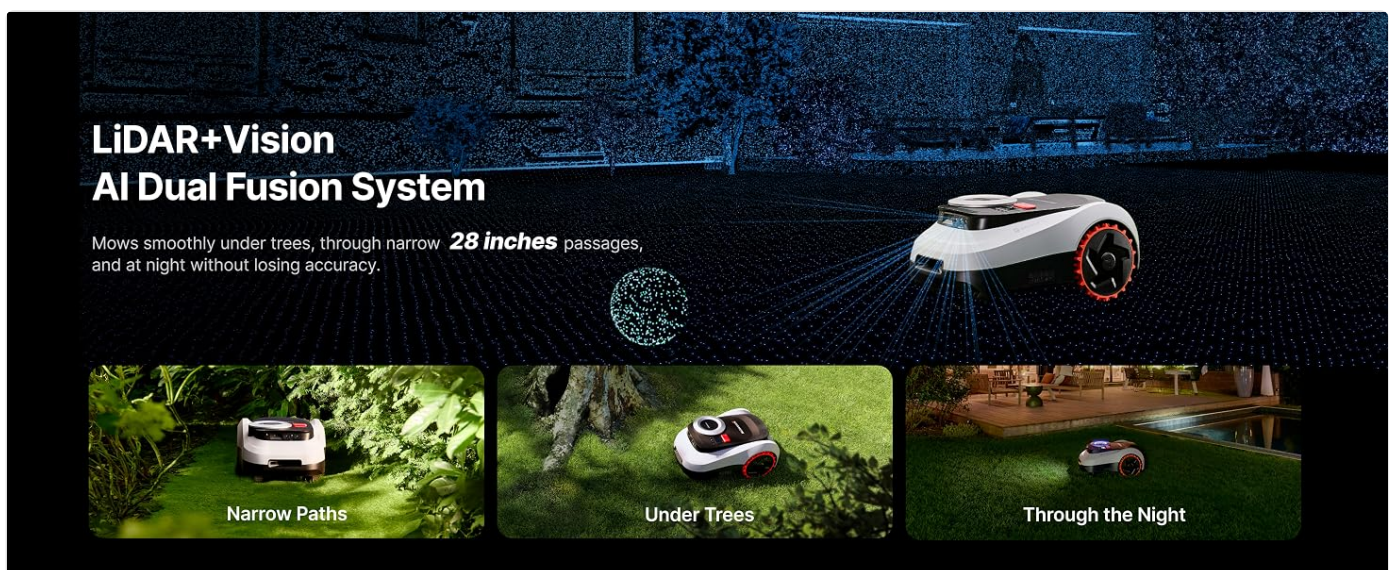


Image: The NAVIMOW i215 navigating a lawn, with visual representations of its AI VisionFence technology detecting and avoiding various obstacles like toys and a trampoline.

3.3. Slope Performance and Edge Cutting

Equipped with off-road wheels and Electronic Stability Control (ESC), the NAVIMOW i215 can handle slopes up to 45% (24°). The EdgeSense feature allows for precise "ride-on" boundary cutting, ensuring clean edges along fences and pathways without manual trimming.



Image: The NAVIMOW i215 demonstrating its ability to climb a steep grassy slope, highlighting its 45% slope performance.

3.4. Smart Security and Tracking

The mower includes a quad-layer security system with GPS tracking, geo-fence alarms, and lift detection. It also supports Apple Find My, allowing you to track its location even if it's offline or powered off.

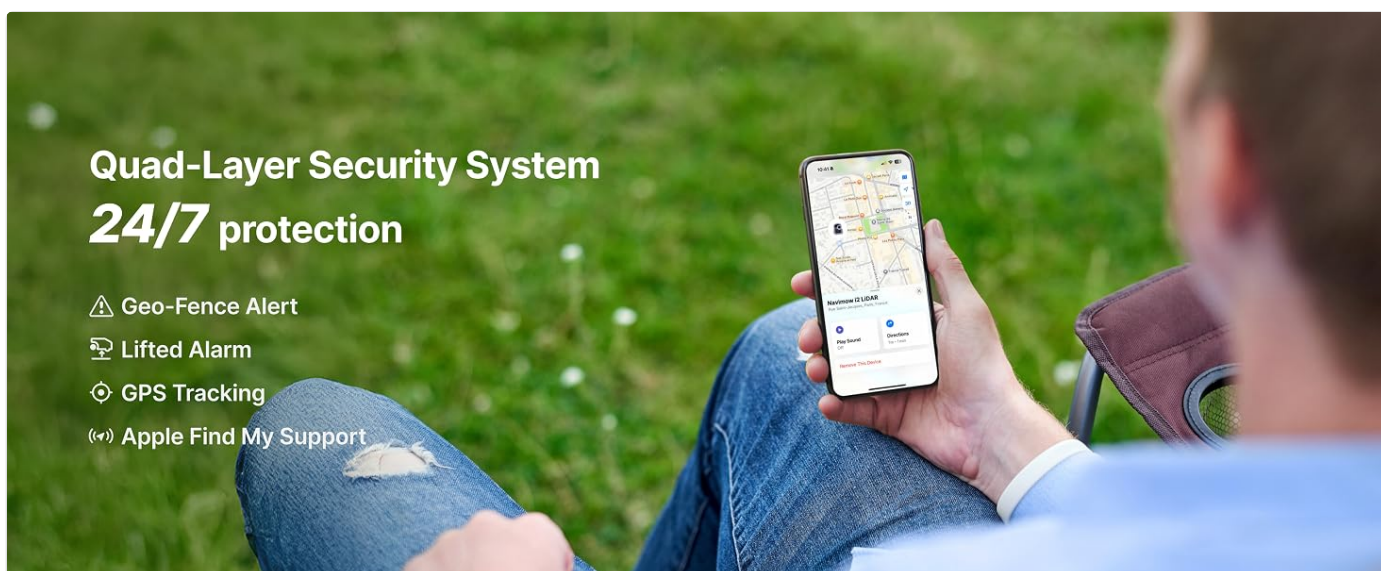


Image: A person viewing the NAVIMOW app on a smartphone, which displays a map with the mower's location and security alerts like geo-fence and lift alarms.

3.5. Weather Adaptive Mowing

The NAVIMOW i215 is weather-adaptive, detecting harsh weather conditions and pausing mowing for safety. It operates quietly at 59 dB(A).

3.6. Custom Mowing Patterns (Doodle)

Unleash your creativity with the in-app Doodle tool, allowing you to design and implement fun, custom mowing patterns on your lawn.

Unleash Your Creativity

Create personalized grass patterns with the Doodle tool, bring creativity to your lawn.



Image: An aerial view of a lawn featuring a dog-shaped mowing pattern, demonstrating the creative possibilities of the Doodle tool in the NAVIMOW app.

4. MAINTENANCE

The NAVIMOW i215 is designed for durability and ease of maintenance. It is IP66 waterproof and dustproof, allowing for simple cleaning with a rinse.

IP66 Waterproof and Dustproof

Built tough to save you time.
Maintenance as simple as a rinse.



Image: A person hosing down the underside of the NAVIMOW i215, illustrating its IP66 waterproof and dustproof rating for easy cleaning.

- **Blade Replacement:** Regularly check and replace the cutting blades as needed to maintain optimal mowing performance. Spare blades and bolts are included.
- **Cleaning:** Keep the mower clean, especially the cutting deck and sensors, to ensure efficient operation and obstacle detection.
- **Storage:** The mower is built to withstand extreme temperatures, safely storing between -4°F and 122°F without performance loss.

5. TROUBLESHOOTING

The NAVIMOW app provides comprehensive guidance for common issues. For mapping errors, the app allows you to easily erase and redraw sections of your map. Ensure your phone and mower have sufficient battery during mapping. For persistent issues, refer to the detailed user guide or contact customer support.

6. SPECIFICATIONS

Feature	Detail
Brand	NAVIMOW
Model	i215 LiDAR
Power Source	Battery Powered
Material	Plastic
Item Weight	32.41 Pounds
Product Dimensions	25"D x 17.6"W x 11.3"H
Cutting Width	8.66 Inches
Adjustable Cutting Height	2–4 Inches
Max Slope Performance	45% (24°)
Noise Level	59 dB(A)
Waterproof Rating	IP66

7. WARRANTY AND SUPPORT

The NAVIMOW i215 LiDAR Robot Lawn Mower comes with a 3-year warranty, ensuring peace of mind. For further assistance, refer to the comprehensive user manual or visit the official NAVIMOW website for support resources and contact information.

Official Website: www.navimow.com

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question