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› HOOKII Neomow X SE Robot Lawn Mower User Manual

## HOOKII Neomow X SE

# HOOKII Neomow X SE Robot Lawn Mower User Manual

Model: Neomow X SE

## 1. INTRODUCTION

The HOOKII Neomow X SE is an advanced robotic lawn mower designed for efficient and autonomous lawn care. Utilizing 3D LiDAR SLAM and AI Vision Fusion technology, it provides precise navigation and obstacle avoidance without the need for perimeter wires or RTK stations. This manual provides essential information for the setup, operation, and maintenance of your Neomow X SE.



Image 1.1: The Neomow X SE robot lawn mower with its charging station.

## 2. SAFETY INFORMATION

Read all safety warnings and instructions carefully before operating the Neomow X SE. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Keep hands and feet away from the cutting blades.
- Do not operate the mower in wet conditions or during heavy rain.
- Ensure the charging station is placed on a level surface and protected from direct sunlight and extreme weather.
- Keep children and pets away from the operating area of the mower.
- Turn off the mower and disconnect from the power supply before performing any maintenance or cleaning.
- Only use original HOOKII replacement parts and accessories.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package before proceeding with setup.



Image 3.1: Visual representation of all items included in the Neomow X SE package.

1. Quick Guide
2. User Manual
3. Use Method Card
4. Cleaning Kit
5. 4 Pieces Of Fixed Charger Tape
6. Allen Wrench
7. Charging Station
8. Robotic Lawn Mower
9. Adapter
10. 15 Blades (5 of which are on the disk)
11. 12 Fixed Charger Nails

## 4. SETUP

### 4.1 Charging Station Placement

Place the charging station in a location with good Wi-Fi signal, on a level surface, and preferably in a shaded area or indoors to protect it from weather. The Neomow X SE's navigation system allows the base station to be placed indoors without signal loss, ensuring the mower can return for charging.



Image 4.1: The Neomow X SE charging station can be placed indoors or outdoors.

## 4.2 Initial Charging

Connect the charging station to a power outlet. Place the Neomow X SE onto the charging station to fully charge the battery before its first use. A full charge typically takes several hours.

## 4.3 App Installation and Mapping

Download the HOOKII app on your smartphone. Follow the in-app instructions to connect your mower via Wi-Fi, Bluetooth, or 4G. The app will guide you through the process of mapping your lawn. Drive the mower around the perimeter of your lawn using the app's controls to create virtual boundaries. This process eliminates the need for physical boundary wires.



Image 4.2: Setting virtual boundaries using the HOOKII app.

## 4.4 Defining Working Areas and No-Go Zones

Within the app, you can define up to 40 distinct working areas and specify no-go zones (e.g., flower beds, pools, play areas) to prevent the mower from entering them. This allows for customized mowing schedules and settings for different parts of your lawn.

# Multi-Zone Management & Mowing Schedule



Image 4.3: Example of multi-zone management and scheduling within the app.

## 5. OPERATING INSTRUCTIONS

### 5.1 Mowing Modes

The Neomow X SE offers several mowing modes to suit various lawn conditions:

- **Daily Mode:** Standard mowing for regular maintenance.
- **Criss-Cross Mode:** Mows in a criss-cross pattern for thorough coverage.
- **High Grass Mode:** Optimized for taller grass.
- **Individual Mode:** Customizable settings for specific needs.



## 4 Mowing Modes



Image 5.1: The four available mowing modes for the Neomow X SE.

## 5.2 Scheduling

Use the HOOKII app to set up a mowing schedule for your lawn. You can define specific times and days for the mower to operate in different zones. The mower will automatically return to its charging station when the battery is low and resume mowing from where it left off after recharging.

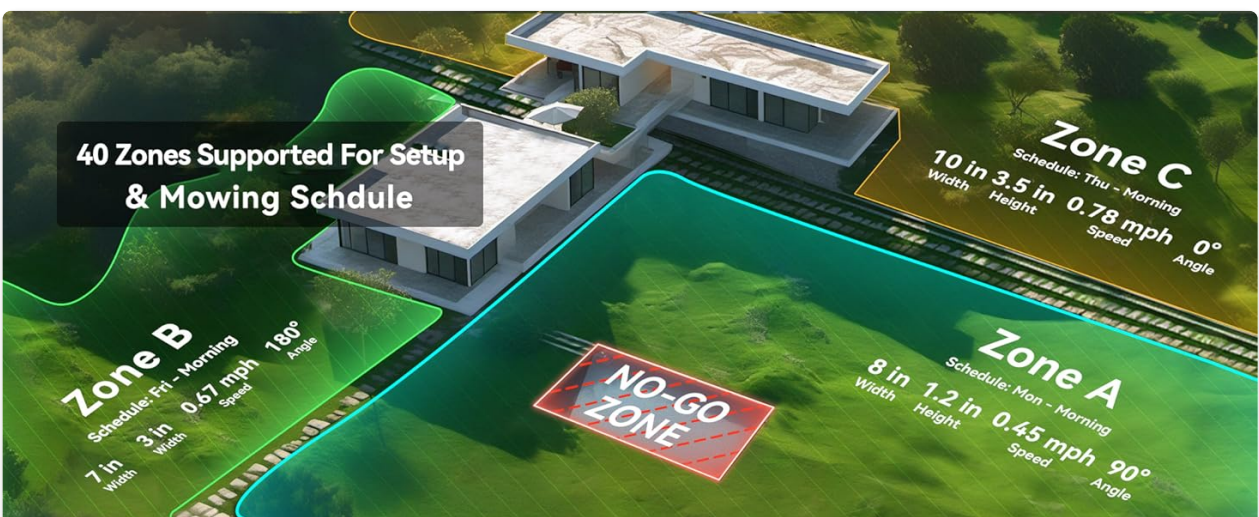


Image 5.2: The mower resumes operation from its last position after charging.

### 5.3 Cutting Height Adjustment

The cutting height can be adjusted from 1.2 to 3.3 inches (30 to 85 mm) to suit various grass types and desired lawn appearance. Adjust this setting via the HOOKII app.

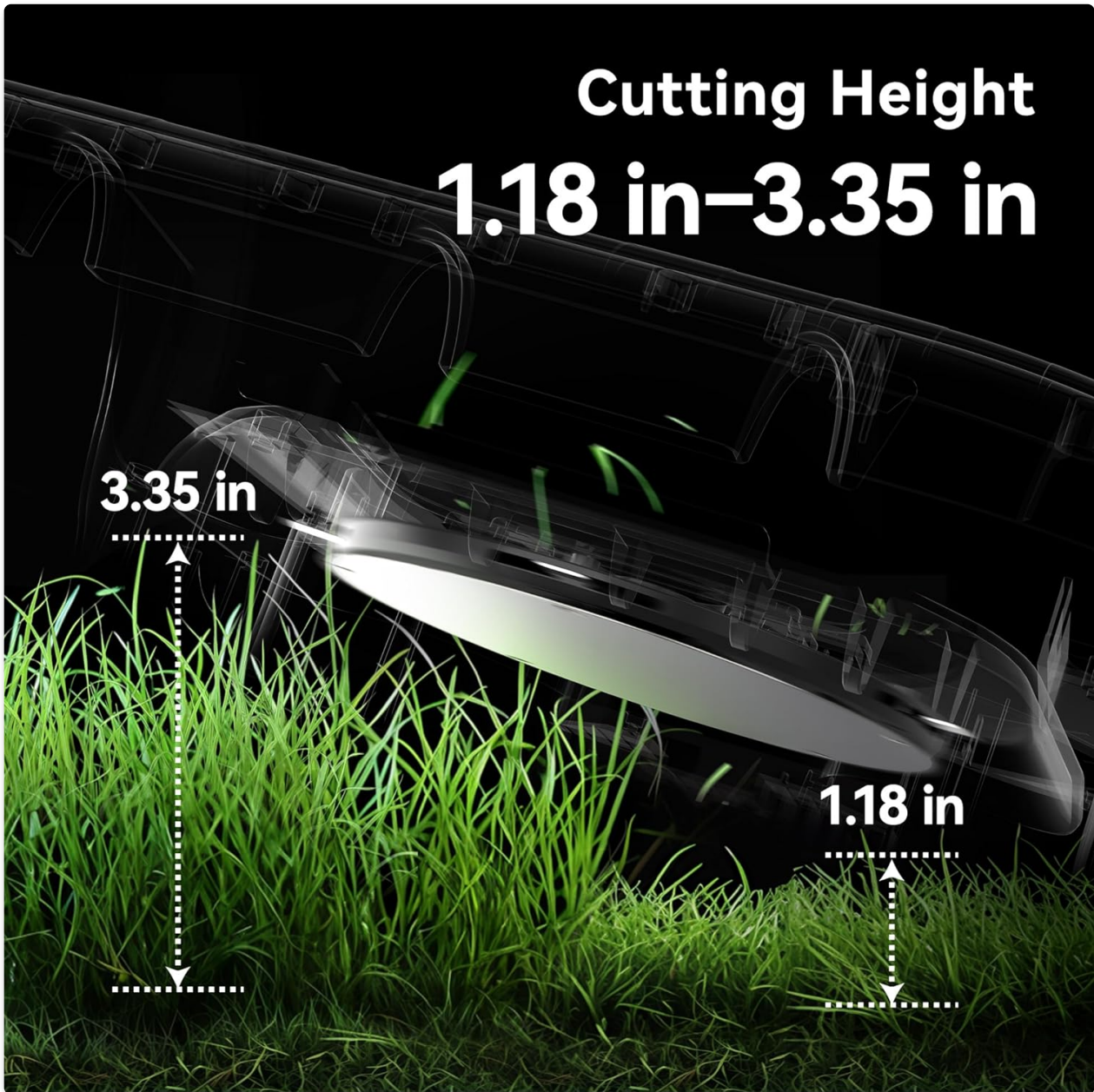


Image 5.3: Adjustable cutting height range of the Neomow X SE.

## 6. FEATURES

### 6.1 3D LiDAR SLAM + AI Vision Fusion

The Neomow X SE uses advanced 3D LiDAR SLAM and AI Vision Fusion technology for precise positioning and navigation. This system allows the mower to operate effectively under trees, at night, and in various weather conditions, independent of satellite signals. It can navigate passages as narrow as 2.53 ft (77 cm).



Image 6.1: The Neomow X SE utilizes 360-degree LiDAR for comprehensive lawn mapping.

## 6.2 AI Accurate Obstacle Avoidance

Equipped with a 360° laser and visual fusion system, the mower detects objects as small as 5.9 inches (15 cm) high and 0.4 inches (1 cm) wide, such as pets or small toys, and safely avoids them. This intelligent system ensures a positioning error of under 0.8 inches (2 cm), contributing to over 95% coverage of the lawn.



Image 6.2: The mower's AI database recognizes and avoids various obstacles.

## 6.3 Coverage and Efficiency

The Neomow X SE can map and mow lawns up to 0.75 acres (32,670 sq.ft / 3000 ). Its vision and spatial fusion technology ensures centimeter-accurate positioning and efficient mowing paths, minimizing missed spots.

# MAX Mows Up to 0.75 Acre / 32,670 Sq.ft



Image 6.3: The Neomow X SE is capable of mowing lawns up to 0.75 acres.

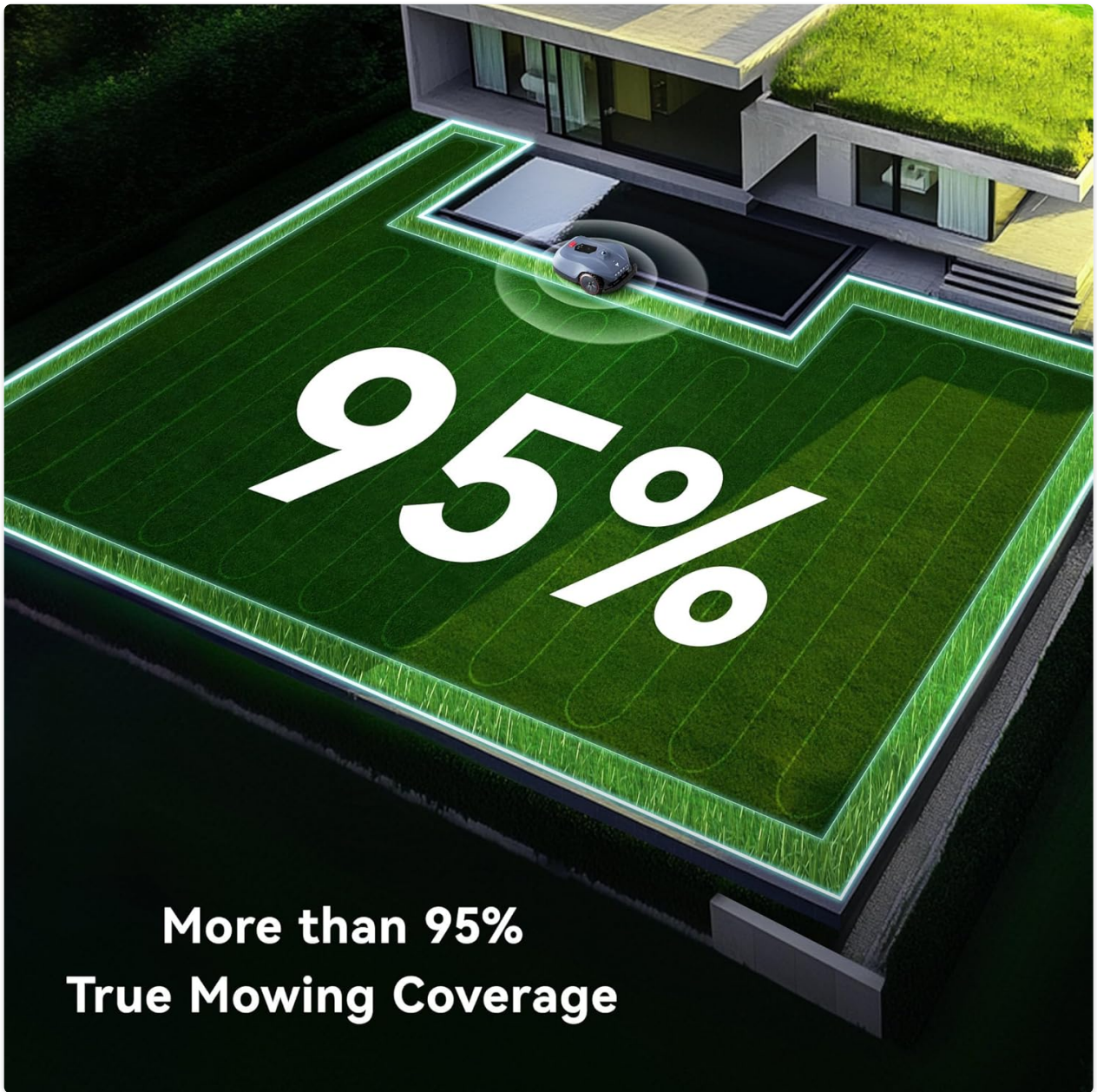


Image 6.4: The mower achieves more than 95% true mowing coverage.

#### **6.4 All-Terrain Capability**

Large front-wheel drive all-terrain wheels allow the mower to easily cross obstacles up to 1.6 inches (4 cm) high. The 11-inch (280 mm) wide floating deck adapts to uneven terrain and features an anti-clog barrier to prevent grass clippings buildup.



### Adaptation To Various Lawn Conditions



Under trees



Irregular Courtyards



Unfenced Lawns



Narrow Corners

Image 6.5: The mower adapts to various lawn conditions, including uneven terrain and narrow corners.

## 6.5 Quiet Operation

The Neomow X SE operates quietly, allowing for mowing at any time, including at night, without causing disturbance. Its stable performance is maintained even in low light conditions.

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Hookii Neomow X Series

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Its stable signals, unaffected by light or obstacles, enable a truly hands-free user experience.

**PLUS AWARD**

- Innovation
- High Quality
- Design
- Ease of Use
- Functionality

The Outstanding Project of Top Performance in Lawn Care.

Image 6.6: The Neomow X SE operates quietly, suitable for night use.

## 6.6 Connectivity and Anti-Theft

The mower supports Wi-Fi, Bluetooth, and 4G connectivity (1GB free data included). This allows for remote management via the app from anywhere. It also features GPS tracking and app notifications for anti-theft protection, alerting you if the device leaves designated mowing areas.



Image 6.7: GPS tracking and app notifications provide anti-theft security.

## 7. MAINTENANCE

### 7.1 Cleaning

The Neomow X SE has an IPX5 waterproof rating, allowing for easy cleaning. You can rinse the chassis with a water jet and wipe the surface with a dry towel. Ensure the mower is powered off and disconnected from the charging station before cleaning.



Image 7.1: The IPX5 waterproof rating allows for easy cleaning with water.

### 7.2 Blade Replacement

Regularly inspect the blades for wear and tear. Replace dull or damaged blades using the provided Allen wrench. Always ensure the mower is turned off and the battery is disconnected before handling the blades.

### 7.3 Battery Care

The mower is equipped with a 13 Ah battery, providing up to 2 hours of continuous operation. For optimal battery life, store the mower in a cool, dry place during off-season and ensure it is fully charged before extended storage.

## 8. TROUBLESHOOTING

This section provides general guidance for common issues. For detailed troubleshooting steps, refer to the HOOKII app or contact customer support.

- **Mower not starting:** Ensure the battery is charged and the mower is powered on. Check for any error

messages on the mower's display or in the app.

- **Mower getting stuck:** Verify that the lawn is free of large obstacles. Adjust no-go zones in the app if the mower consistently gets stuck in specific areas.
- **Poor mowing coverage:** Check blade sharpness. Ensure the mowing schedule and defined zones cover the entire desired area.
- **Connectivity issues:** Ensure the charging station and mower are within range of your Wi-Fi network. Restart the mower and your router if necessary.

## 9. SPECIFICATIONS

Feature	Specification
Brand	HOOKII
Model Number	Neomow X SE
Power Source	Battery Powered
Material	Aluminum, Plastic
Color	Gray
Item Weight	17.5 Kilograms (38.5 pounds)
Cutting Width	11 Inches
Operation Mode	Automatic
Product Dimensions	35"D x 16"W x 22"H
Maximum Adjustable Cutting Height	3.3 Inches (85 mm)
Minimum Adjustable Cutting Height	1.2 Inches (30 mm)
Battery Capacity	13 Ah
Waterproof Rating	IPX5

## 10. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the official HOOKII website or contact HOOKII customer service directly. Details regarding product registration, warranty claims, and technical assistance can be found through these channels.

HOOKII is committed to providing fast, professional, and personalized service to ensure customer satisfaction.

