

Yard Force NX80i

YARD FORCE NX80i Robotic Lawn Mower User Manual

Model: NX80i

1. INTRODUCTION

Thank you for choosing the YARD FORCE NX80i Robotic Lawn Mower. This manual provides essential information for the safe and efficient operation, setup, and maintenance of your new robotic lawn mower. Please read this manual thoroughly before using the product and keep it for future reference.

The YARD FORCE NX80i is designed to maintain your lawn automatically, offering features such as iRadar ultrasonic obstacle detection, Wi-Fi connectivity for app control, and an efficient brushless motor. It is suitable for lawns up to 800 square meters.

2. SAFETY INFORMATION

Operating any machinery requires adherence to safety guidelines to prevent injury and damage. Please observe the following:

- Always read and understand the entire manual before operation.
- Keep hands and feet away from the cutting blades.
- Do not operate the mower when people, especially children, or pets are in the immediate vicinity.
- Ensure the boundary wire is correctly installed and maintained to prevent the mower from leaving the designated area.
- Turn off the mower and remove the safety key (if applicable) before performing any maintenance or cleaning.
- Do not use the mower in wet conditions or during rain, unless specifically designed for it (the NX80i has a rain sensor to pause operation).
- Regularly inspect the mower for damage, especially the blades and safety features.
- Use only original spare parts and accessories recommended by YARD FORCE.

3. PACKAGE CONTENTS

Upon unpacking, please verify that all items listed below are present and undamaged:

- 1x YARD FORCE NX80i Robotic Lawn Mower
- 1x Charging Station
- 160 meters of Boundary Wire
- 200x Fixing Pegs for Boundary Wire
- 9 meters of Power Cable
- 9x Spare Blades
- 3x Spare Screws for Blades
- 3x Cable Connectors
- 1x Spacer Ruler
- 1x User Manual

Ultraschallsensor



Regensensor

**1x Robotertermäher
1x Ladestation
160m Begrenzungskabel
200x Befestigungsnägel
9m Netzkabel
9x Ersatzmesser
3x Ersatzschrauben
3x Kabelsteckverbinder
1x Abstandhalter Lineal
1x Bedienungsanleitung**



**180 mm Schnittbreite
20 mm - 60 mm Schnitthöhe**



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Image: The YARD FORCE NX80i robotic lawn mower displayed alongside its complete set of accessories, including the charging station, boundary wire, fixing pegs, power cable, spare blades, screws, cable connectors, and a spacer ruler.

4. PRODUCT OVERVIEW

The YARD FORCE NX80i is equipped with advanced features for efficient lawn care:

- **iRadar Ultrasonic Sensor:** Provides active safety by detecting obstacles at a distance of 20-60 cm, helping to avoid collisions.
- **Brushless Motor:** Ensures quiet and powerful cutting performance with enhanced durability.
- **Edge Cutting Function:** Designed to keep lawn edges neat and tidy.
- **LCD Control Panel with Number Pad:** Allows for easy operation and settings adjustment directly on the device.
- **Wi-Fi Connectivity & App Control:** Manage and schedule mowing tasks conveniently via a smartphone application.
- **Rain Sensor:** Automatically pauses mowing during rain and resumes when conditions improve.



Image: A detailed front view of the YARD FORCE NX80i robotic lawn mower, highlighting its sleek design and the 'Brushless Motor' and 'NX80i' branding.



Image: A close-up view of the iRadar ultrasonic sensor located on the front of the YARD FORCE NX80i, designed for obstacle detection.

5. SETUP

5.1. Charging Station Placement

Select a suitable location for the charging station. It should be on a flat surface, away from direct sunlight and irrigation systems, with access to a power outlet. Ensure there is enough clear space around the station for the mower to dock easily.

5.2. Boundary Wire Installation

The boundary wire defines the mowing area. Lay the 160-meter boundary wire around the perimeter of your lawn, securing it with the provided fixing pegs. Ensure the wire is taut and flush with the ground. Maintain a minimum distance from obstacles as specified in the full manual. Connect both ends of the boundary wire to the charging station.

5.3. Initial Charging

Place the robotic mower into the charging station. Connect the power cable to the charging station and a power outlet. Allow the mower to fully charge before its first operation. The battery indicator on the mower or app will show the charging status.



Image: A man relaxing in a garden chair while the YARD FORCE NX80i robotic lawn mower operates autonomously in the background, illustrating the convenience of automated lawn care after proper setup.

6. OPERATION

6.1. App Control (Wi-Fi)

Download the YARD FORCE smartphone application from your device's app store. Follow the in-app instructions to connect your NX80i to your home Wi-Fi network. The app allows you to:

- Start, pause, or send the mower back to the charging station.
- Set and modify mowing schedules.
- Monitor the mower's status and battery level.
- Adjust cutting height and other settings.



EINFACHE BEDIENUNG DANK APP STEUERUNG MIT WLAN



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Image: A hand holding a smartphone displaying the YARD FORCE control application, with the robotic lawn mower visible in the background, demonstrating the ease of app-based control.

6.2. LCD Control Panel

The integrated LCD control panel and number pad on the mower provide an alternative method for operation and settings adjustment. Lift the top cover to access the panel. Use the navigation buttons and number pad to input commands, set schedules, and view status information.



Image: A close-up of the YARD FORCE NX80i's LCD control panel and the prominent red STOP button, showing the interface for direct manual operation.

6.3. Mowing Schedules

You can program daily or weekly mowing schedules through the app or the LCD panel. The mower will automatically start and return to its charging station according to the set schedule. The iRadar sensor will help it navigate around unexpected obstacles.

7. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your YARD FORCE NX80i.

7.1. Blade Replacement

The cutting blades should be inspected regularly and replaced when dull or damaged. Always wear protective gloves. Turn off the mower and remove the safety key before attempting blade replacement. Use the provided spare blades and screws. Refer to the detailed instructions in the full manual for the exact procedure.

7.2. Cleaning

Periodically clean the mower's chassis, wheels, and cutting deck to remove grass clippings and debris. Use a soft brush or cloth. Do not use high-pressure water jets directly on the mower. Ensure sensors are clear of obstructions.

7.3. Battery Care

The NX80i uses a 28V, 2.9Ah lithium-ion battery. For long-term storage, ensure the battery is partially charged (around 50%) and stored in a cool, dry place. Avoid fully discharging the battery for extended periods.



Image: A person organizing garden tools in a toolbox, symbolizing preparation for routine maintenance of lawn care equipment, including the robotic mower.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your YARD FORCE NX80i.

8.1. Mower Not Starting/Charging

- Check if the power cable is securely connected to the charging station and the outlet.
- Ensure the safety key is inserted and turned to the 'ON' position.
- Verify that the boundary wire is properly connected to the charging station and intact.

8.2. Mower Getting Stuck Frequently

- Inspect the mowing area for uneven terrain, holes, or obstacles that might be trapping the mower.
- Ensure the iRadar sensor is clean and unobstructed.
- Adjust the boundary wire if the mower is consistently getting stuck at certain points.

8.3. Wi-Fi Connectivity Issues

- Ensure your Wi-Fi router is within range of the charging station.
- Check your Wi-Fi network settings and password.
- Restart both your router and the robotic mower.
- If issues persist, consult the app's troubleshooting guide or contact customer support.

9. SPECIFICATIONS

Feature	Specification
Model Number	NX80i
Battery Type	Lithium-ion
Battery Voltage / Capacity	28 V / 2.9 Ah
Recommended Lawn Area	Up to 800 m²
Cutting Width	180 mm (18 cm)
Cutting Height Adjustment	20 mm - 60 mm (5 levels)
Product Dimensions (L x W x H)	63.5 x 46.51 x 22 cm
Item Weight	8.5 kg
Power Source	Battery Powered
Connectivity	Wi-Fi, App Control
Safety Features	iRadar Ultrasonic Sensor, Tilt Sensor, Lift Sensor, Stop Button
Motor Type	Brushless Motor

10. WARRANTY AND SUPPORT

YARD FORCE products are manufactured to high-quality standards. For warranty information, please refer to the warranty card included with your product or visit the official YARD FORCE website. If you encounter any issues or require technical assistance, please contact YARD FORCE customer support. Have your model number (NX80i) and purchase details ready when contacting support.

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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