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WORX WR165E

WORX Landroid M500+ WR165E Robotic Lawn Mower User Manual

Your comprehensive guide to intelligent lawn care.

Introduction to the WORX Landroid M500+ WR165E

The WORX Landroid M500+ WR165E is an advanced robotic lawn mower designed to autonomously maintain medium-sized gardens up to 500m². Featuring intelligent navigation with AIA technology, it ensures efficient and precise lawn coverage. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Landroid to achieve a perfectly manicured lawn with minimal effort.



Figure 1: The WORX Landroid M500+ WR165E robotic lawn mower, showcasing its compact and robust design.

Product Overview and Components

Familiarize yourself with the main components of your Landroid M500+ WR165E to ensure proper handling and operation.

- **Control Panel:** Intuitive interface for manual settings and status display.
- **STOP Button:** Immediately halts all operations for safety.
- **Cutting Deck:** Houses the cutting blades, adjustable for various grass heights.
- **Wheels:** Designed for excellent traction on various terrains, including slopes up to 20° (35%).
- **Charging Contacts:** For automatic recharging at the charging station.
- **Battery Compartment:** Houses the 20V max/2.0 Ah Li-ion battery.
- **Rain Sensor:** Detects rain and can be configured to pause mowing operations.



Figure 2: Top-down view of the Landroid, highlighting the control panel and STOP button.

Setup Guide

Proper setup is crucial for the optimal performance of your Landroid. Follow these steps carefully.

1. Charging Station Placement

Select a flat, level area with access to a power outlet. Ensure the charging station is placed in a location where the Landroid can easily approach and depart.

2. Boundary Wire Installation

The boundary wire defines the mowing area. Lay the wire around the perimeter of your lawn, ensuring it is taut and secured with pegs. Maintain a consistent distance from obstacles and edges as specified in the detailed installation guide provided with your product. Leave a few meters of spare wire near the charging station for future adjustments.



Figure 3: The Landroid automatically returning to its charging station for recharging.

3. Initial Charging and Power On

Place the Landroid on the charging station. The battery will begin charging automatically. Once sufficiently charged, power on the unit using the main power switch.

4. App Configuration (Recommended)

Download the free Landroid app from your device's app store. The app allows for easy configuration, scheduling, and monitoring of your Landroid from anywhere. Connect your Landroid to your home WiFi network via the app for full smart functionality.

Operating the Landroid

Your Landroid is designed for autonomous operation, but understanding its features will help you optimize its performance.

Automatic Mowing Schedule

The Landroid comes pre-programmed with a schedule that adapts to your lawn size. You can easily adjust this schedule via the control panel or the Landroid app. Daily cutting promotes a denser, healthier lawn and helps prevent weed growth.



Figure 4: Enjoying leisure time while the Landroid efficiently maintains the lawn.

AIA Intelligent Navigation

Equipped with AIA (Artificial Intelligence Algorithm) technology, the Landroid navigates your lawn more efficiently than conventional robotic mowers. It can pass through narrow passages and optimizes its cutting pattern for faster coverage, cutting your lawn up to 30% faster.

Cut to Edge Feature

The Landroid is designed to cut closer to the edges of your lawn, minimizing the need for manual trimming.

Rain Delay Function

The integrated rain sensor allows the Landroid to detect precipitation and pause its mowing schedule, resuming only

when conditions are suitable. This feature helps protect your lawn and the mower from damage due to wet grass.



Figure 5: The Landroid's robust design allows it to operate in various weather conditions, though the rain delay feature can pause operation during heavy rain.

Adjustable Cutting Height

The cutting height can be adjusted from 3 to 6 cm (20 to 50 mm) to suit your lawn's needs and seasonal conditions. This ensures a clean and well-maintained appearance.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your Landroid.

Cleaning

The WR165E has an IPX5 rating, meaning it can be cleaned with a garden hose. Regularly remove grass clippings and debris from the cutting deck, wheels, and chassis. Ensure the charging contacts are clean.

Blade Replacement

For best cutting results, inspect and replace the blades regularly, typically every 1-3 months depending on lawn size and grass type. Always use genuine WORX replacement blades.

Battery Care

The Landroid uses a Lithium-ion battery. For long-term storage, ensure the battery is fully charged and store the mower in a dry, frost-free environment. Avoid completely draining the battery frequently.



Figure 6: The Landroid's ability to handle slopes demonstrates its robust construction, which benefits from regular cleaning and maintenance.

Troubleshooting

This section addresses common issues you might encounter with your Landroid.

- **Landroid not charging:** Ensure the charging station is powered, and the Landroid's charging contacts are clean and properly aligned with the station.

- **"Wire Missing" error:** Check the boundary wire for breaks or loose connections. Ensure the wire is properly installed and connected to the charging station.
- **Mower getting stuck:** Adjust the boundary wire to provide sufficient clearance from obstacles. Consider adding a metal wheel "spike" accessory for improved traction on wet or soft ground.
- **Uneven cutting:** Inspect blades for damage or dullness and replace if necessary. Ensure the cutting height is set appropriately for your lawn.
- **Landroid repeatedly trying to enter an obstacle:** This can occur if the boundary wire is too close to an obstacle or if the mower approaches at a specific angle. Adjust the wire placement to provide more clearance.

For more detailed troubleshooting or persistent issues, refer to the full product manual available on the WORX website or contact WORX customer support.

Technical Specifications

Key technical data for the WORX Landroid M500+ WR165E.

Specification	Value
Model Number	WR165E
Recommended Lawn Size	Up to 500 m²
Battery Voltage	20 V max
Battery Capacity	2.0 Ah Li-ion
Cutting Width	18 cm (180 mm)
Cutting Height	3-6 cm (20-50 mm)
Max. Incline	20° (35%)
IP Rating	IPX5
Product Dimensions (L x W x H)	55.8 x 40.4 x 20.5 cm
Item Weight	16.88 Kilograms
Material	Plastic

Warranty and Support

WORX products are built to high-quality standards and come with a manufacturer's warranty. For specific warranty details, registration, or to access customer support, please visit the official WORX website or refer to the warranty card included with your product.
For any queries or problems, excellent support is available. You can often find solutions and additional resources on the WORX Brand Store on Amazon or their official support channels.

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