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STIGA A300

STIGA A300 Autonomous Robotic Lawnmower User Manual

MODEL: A300

Introduction

This manual provides comprehensive instructions for the setup, operation, and maintenance of your STIGA A300 Autonomous Robotic Lawnmower. Designed for precision and ease of use, the A300 utilizes advanced GPS-RTK navigation and STIGA's patented Active Guidance System (AGS) to deliver a perfectly manicured lawn without the need for physical boundary wires. Please read this manual thoroughly before using the product to ensure safe and efficient operation.



The STIGA A300 robotic lawnmower, showcasing its sleek design and robust wheels, ready for operation.

Setup

Proper initial setup is crucial for the optimal performance of your STIGA A300. Follow these steps carefully.

1. Unboxing and Package Contents

Carefully remove all components from the packaging. Verify that all items listed below are present.



An illustration detailing the various components included in the STIGA A300 package, such as the robotic mower, charging station, power adapter, and installation accessories.

- STIGA A300 Robotic Lawnmower
- Charging Station
- Power Supply Unit
- Mounting Screws for Charging Station
- Quick Start Guide and Safety Manual

2. Charging Station Placement

Select a suitable location for the charging station. It should be on a flat, level surface with access to a power outlet, preferably in a shaded area to protect it from direct sunlight and rain. Ensure there is clear space around the station for the mower to dock easily.

3. STIGA.GO App Installation and Pairing

Download the STIGA.GO app from your smartphone's app store. Follow the in-app instructions to pair your STIGA A300 with your device. This process typically involves a 1-minute pairing procedure and guides you through the

initial setup steps.



A user interacting with the STIGA.GO app on a smartphone, demonstrating the ease of controlling the robotic lawnmower remotely.

4. Defining Virtual Boundaries

The STIGA A300 operates without physical boundary wires. Use the STIGA.GO app to virtually map your lawn and define the mowing area. You can add or remove zones and obstacles with a single click, allowing for flexible garden management.



The STIGA A300 demonstrating its virtual boundary capabilities, navigating the lawn without physical wires.

Operating Your STIGA A300

Understand the key features and functions to effectively operate your robotic lawnmower.

1. Starting and Stopping

To start a mowing session, use the STIGA.GO app or the controls on the mower itself. To stop the mower immediately, press the large STOP button located on the top of the unit. The mower will cease operation and return to its charging station or await further commands.

2. Scheduling Mowing Sessions

Utilize the STIGA.GO app to create customized mowing schedules. You can set specific days and times for the mower to operate, ensuring your lawn is always perfectly maintained according to your preferences.

3. Mowing Patterns and Zones

The STIGA A300 employs systematic mowing patterns, such as parallel lines, checkerboard, or grid, to ensure complete and efficient coverage of your lawn. These patterns can be selected and adjusted directly within the STIGA.GO app for different areas of your garden. The mower supports multiple mowing zones, allowing you to manage complex garden layouts.



An overhead view illustrating the systematic mowing patterns the STIGA A300 can apply to a lawn, ensuring thorough coverage.

4. Active Guidance System (AGS)

The patented STIGA AGS technology intelligently plans mowing operations based on satellite signal strength. This allows the mower to determine the most efficient times to reach every area of your garden, ensuring a perfectly maintained lawn with optimized battery usage.



The STIGA A300 on a lawn, visually representing its Active Guidance System (AGS) technology through a glowing grid.

5. GPS-RTK Navigation and 4G Connectivity

The A300 utilizes GPS-RTK technology for highly accurate positioning and precise garden navigation. Free, lifelong 4G connectivity ensures uninterrupted communication between the robot, satellites, and the reference station, maintaining high precision in its movements.

Maintenance and Care

Regular maintenance ensures the longevity and optimal performance of your STIGA A300.

1. Cleaning the Mower

Periodically clean the exterior of the mower with a damp cloth. Remove any grass clippings, dirt, or debris from the cutting deck, wheels, and sensors. Ensure the charging contacts are clean and free of corrosion.

2. Blade Inspection and Replacement

Inspect the 4 blades regularly for wear, damage, or dullness. Worn blades can affect cutting quality. Replace blades as needed, following the instructions in the full product manual. Always wear protective gloves when handling blades.



An underside view of the STIGA A300, highlighting the cutting deck and its four blades, which require regular inspection.

3. Battery Care

The STIGA A300 is powered by a durable battery. For optimal battery life, allow the mower to fully charge before its first use. Avoid prolonged storage with a completely discharged battery. The STIGA.GO app provides real-time battery status.

4. Winter Storage

Before winter, thoroughly clean the mower and charge its battery. Store the mower and charging station in a dry, frost-free environment. Refer to the full manual for detailed winter storage instructions.

Troubleshooting Common Issues

This section addresses common problems you might encounter with your STIGA A300.

1. Connectivity Problems

If the mower loses connection to the app or satellite signals, ensure your smartphone's Bluetooth is on and the mower is within range. Check for any obstructions blocking satellite signals. Restarting the app or the mower can often resolve minor connectivity issues.

2. Mowing Irregularities

If the lawn is not cut evenly or areas are missed, check the blades for sharpness and damage. Verify that the virtual boundaries are correctly defined in the app and that no new obstacles have been introduced to the mowing area. Adjusting mowing patterns or height settings via the app may also help.

3. Error Indicators

The mower may display error messages or indicators. Consult the STIGA.GO app for detailed explanations of specific error codes and recommended solutions. Common errors might relate to obstacles, low battery, or sensor issues.

Technical Specifications

Key technical details of the STIGA A300 Robotic Lawnmower.

Feature	Specification
Product Dimensions	54.5 x 40.5 x 24.5 cm
Weight	8.1 Kilograms
Material	Plastic
Power Source	Battery Powered
Cutting Width	18 Centimeters
Cutting Height Adjustment	20-60 mm (Electronic)
Max. Mowing Area	450 m ²
Max. Slope	45% (240)

Navigation Technology	GPS-RTK, AGS (Active Guidance System)
Connectivity	4G (lifelong free connectivity)
Control	STIGA.GO App

Warranty and Customer Support

STIGA products are manufactured to high quality standards and are supplied with a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official STIGA website. For technical assistance, troubleshooting not covered in this manual, or spare parts, please contact STIGA customer support through the STIGA.GO app or the official STIGA website. Please have your product model and serial number ready when contacting support.