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Stihl RMI 422

Stihl iMow Robotic Mower RMI 422 User Manual

Model: RMI 422

Introduction

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Stihl iMow Robotic Mower RMI 422. Please read this manual thoroughly before operating the device and keep it for future reference.

The Stihl iMow RMI 422 is designed for fully automatic, fast, and consistent lawn care for areas up to 800 square meters. It integrates with the iMow App for convenient control and monitoring via smartphone or tablet.

Safety Information

Always prioritize safety when operating and maintaining the robotic mower. Failure to follow safety instructions can result in serious injury or damage to the product.

- Keep children and pets away from the working area of the mower.
- Do not operate the mower without the protective cover in place.
- Ensure the boundary wire is correctly installed to prevent the mower from leaving the designated area.
- Turn off the mower and remove the safety key before performing any maintenance or cleaning.
- Avoid operating the mower in heavy rain or extreme weather conditions.
- Regularly inspect the blades for wear and damage. Replace worn blades promptly.

Product Overview

The Stihl iMow RMI 422 features a robust design with integrated sensors and a durable mulching blade for precise cutting results.



Front view of the Stihl iMow RMI 422 Robotic Mower, showcasing its orange and white casing and robust wheels.



Top-down view of the Stihl iMow RMI 422, highlighting the central control panel and display for user interaction.



The Stihl iMow RMI 422 positioned on its charging station, demonstrating how it connects for recharging.



Underside view of the Stihl iMow RMI 422, showing the robust mulching blade and its protective housing.

Setup

1. Planning Your Lawn Area

Before installation, carefully plan the mowing area. Identify obstacles, narrow passages, and areas that need to be excluded from mowing. The maximum area for the RMI 422 is 800 m^2.

2. Installing the Docking Station

Place the docking station on a flat, level surface in a shaded area, close to a power outlet. Ensure there is sufficient clear space around the station for the mower to dock easily.

3. Laying the Boundary Wire

Install the boundary wire around the perimeter of your mowing area. The wire defines the working zone for the robotic mower. Ensure the wire is securely fastened to the ground or buried to prevent tripping hazards and damage. Maintain a recommended distance from edges and obstacles.

4. Connecting the Power Supply

Connect the docking station to the power supply. The indicator light on the docking station will confirm a successful connection.

5. Initial Configuration

Follow the on-screen prompts on the mower's display or use the iMow App to complete the initial setup, including setting the mowing schedule and defining zones if applicable.

Operating the Robotic Mower

Starting Operation

1. Ensure the safety key is inserted.
2. Press the START button on the control panel or initiate mowing via the iMow App.
3. The mower will begin its programmed mowing cycle.

Mowing Schedule

The iMow RMI 422 allows for flexible mowing schedules. You can set specific times for the mower to operate. The interactive mowing schedule allows you to pre-set the time frame during which the iMow robotic mower runs each day. Within this operating time, the device independently selects the perfect time to achieve optimal grass cutting results.

Adjusting Cutting Height

The cutting height can be adjusted manually or via the iMow App to suit your lawn's needs. Refer to the display or app for specific instructions on height adjustment.

Stopping Operation

To stop the mower, press the STOP button on the control panel. The mower will cease operation and return to its docking station if programmed to do so.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your Stihl iMow RMI 422.

Cleaning

- **Daily/Weekly:** Clean the underside of the mower, especially the blade area, to remove grass clippings and debris. Use a brush or damp cloth. Do not use a high-pressure cleaner.
- **Periodically:** Clean the wheels and chassis. Ensure sensors are free from dirt.

Blade Replacement

The stable mulching blade is break-proof and ensures precise cutting results even in tall grass. The direction of rotation automatically changes with each blade stop, ensuring symmetrical wear. The blade can be replaced without tools.
To replace the blade:

1. Turn off the mower and remove the safety key.
2. Carefully flip the mower over to access the blade.
3. Unscrew the old blade and replace it with a new, genuine Stihl replacement blade.
4. Ensure the new blade is securely fastened.

Battery Care

The mower automatically returns to its docking station to recharge its battery. For optimal battery life, ensure the mower is stored in a dry, frost-free environment during winter months, with the battery fully charged.

Troubleshooting

This section addresses common issues you might encounter with your Stihl iMow RMI 422.

Problem	Possible Cause	Solution
Mower does not start.	Safety key not inserted; Battery low; Error message on display.	Insert safety key; Check battery charge and allow to dock; Refer to display for specific error code and manual for resolution.
Mower gets stuck frequently.	Obstacles in mowing area; Boundary wire too close to obstacles; Uneven terrain.	Clear mowing area of debris; Adjust boundary wire placement; The iMow robotic mower automatically and constantly adjusts its speed to uneven terrain thanks to the tilt sensor.
Poor cutting result.	Dull or damaged blade; Mower operating in wet conditions; Grass too long.	Replace blade; Avoid mowing in very wet conditions; Adjust mowing schedule for more frequent cuts.
Mower does not return to docking station.	Boundary wire issue; Docking station not powered; Mower stuck.	Check boundary wire for breaks; Ensure docking station has power; Free the mower if stuck.

Specifications

Brand: Stihl

Model: RMI 422

Maximum Area: 800 m²

Weight: 13 Kilograms

Material: Plastic

Power Source: Battery Powered

Drive Type: Battery Powered

Color: Black/Orange/White

Operating Mode: Automatic

UPC: 886661757299

First Available: March 30, 2020

Contact and Support

For further assistance, technical support, or spare parts, please contact your authorized Stihl dealer or visit the official Stihl website. Always refer to the model number RMI 422 when seeking support.
Note: This manual provides general guidelines. Specific features and settings may vary. Always consult the latest official documentation from Stihl for the most accurate and up-to-date information.

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