

[Manuals.plus](#) /

› [Yard Force](#) /

› Yard Force Compact 300RBS Robotic Lawnmower User Manual

Yard Force Compact 300RBS-UK

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Model: Compact 300RBS-UK

1. INTRODUCTION

Welcome to the user manual for your new Yard Force Compact 300RBS Robotic Lawnmower. This manual provides essential information for the safe and efficient operation, setup, maintenance, and troubleshooting of your robotic lawnmower. Please read this manual thoroughly before using the product.



Figure 1: Front view of the Yard Force Compact 300RBS Robotic Lawnmower, showcasing its orange and black design with the 'iRadar' logo.

2. PRODUCT OVERVIEW

The Yard Force Compact 300RBS is a robotic lawnmower designed for lawns up to 300m². It features i-Radar Active Safety Ultrasonic Technology for advanced obstacle detection and avoidance, ensuring safe operation. The mower is equipped with a brushless motor and a 20V Lithium-Ion Samsung battery, offering efficient and quiet performance. Full control is available via a

Bluetooth-connected app.

Key Features:

- **i-Radar Active Safety Ultrasonic Technology:** Detects and avoids obstacles.
- **Bluetooth App Control:** Manage settings and schedules from your smartphone.
- **Brushless Motor:** Provides efficient and durable performance.
- **20V Lithium-Ion Samsung Battery:** Reliable power source.
- **16cm Cutting Width:** Efficient mowing for various lawn sizes.
- **Adjustable Cutting Height:** Ranges from 20mm to 55mm.
- **Rain Sensor:** Automatically returns to the charging station during rain.
- **Safety Sensors:** Includes lift, obstacle, turnover, and tilt sensors.
- **Incline Capability:** Tackles inclines up to 30%.



Figure 2: Top view of the robotic lawnmower, highlighting the control panel and the brushless motor design.

3. SETUP GUIDE

3.1 Charging Station Placement

Select a flat, level area for the charging station, preferably in a shaded spot near an outdoor power outlet. Ensure there is sufficient clear space around the station for the mower to dock easily.

3.2 Boundary Wire Installation

The boundary wire defines the mowing area. Lay the wire securely around the perimeter of your lawn, ensuring it is taut and flush with the ground. For optimal performance and to prevent the mower from getting stuck or leaving uncut edges, the distance from the edge should be carefully considered. While a general recommendation might be provided, some users have found that a distance of 30 cm from edges can be too much, leading to uncut grass. It is advisable to experiment with a shorter distance, potentially half of the recommended, to achieve a cleaner cut along the edges, especially around obstacles or raised beds. Secure the wire with the provided pegs.

3.3 App Connection

Download the Yard Force app from your device's app store. Follow the in-app instructions to connect your robotic lawnmower via Bluetooth. This connection enables full control and scheduling features.



Figure 3: The robotic lawnmower operating in a garden, with a user interacting via the mobile application.

4. OPERATING INSTRUCTIONS

4.1 Starting the Mower

Once the boundary wire is installed and the mower is charged, you can initiate mowing either directly from the mower's control panel or through the Yard Force app.

4.2 Adjusting Cutting Height

The cutting height can be adjusted between 20mm and 55mm. It is recommended to start with a higher cutting setting for the first few cuts, especially if the grass is tall, and then gradually lower it to your desired height. This prevents the mower from stalling and

ensures a healthier lawn.

4.3 i-Radar Active Safety Ultrasonic Technology

The i-Radar system uses ultrasonic sensors to detect obstacles in the mower's path, allowing it to navigate around them safely. This feature helps protect garden furniture, trees, and other objects from accidental collisions.



Figure 4: The robotic lawnmower efficiently cutting grass, demonstrating its autonomous operation in a garden environment.

4.4 Rain Sensor Functionality

The built-in rain sensor detects precipitation and automatically instructs the mower to return to its charging station, preventing operation in wet conditions which can be detrimental to both the mower and your lawn.

4.5 Mulching Function

The sharp blades of the mower create fine grass clippings that are distributed back onto the lawn as mulch. This natural fertilization process contributes to a healthier and greener lawn.

5. MAINTENANCE

5.1 Blade Care

Regularly inspect the blades for sharpness and damage. Dull or damaged blades can lead to an uneven cut and put strain on the motor. Replace blades as needed to maintain optimal cutting performance.

5.2 Cleaning

Keep the mower's chassis, wheels, and cutting deck clean. Remove any accumulated grass clippings, dirt, or debris. Use a soft brush or cloth; avoid using high-pressure water jets directly on the mower.

5.3 Battery Care

The mower is powered by a 20V Lithium-Ion Samsung battery. Ensure the mower is regularly charged. For long-term storage, especially during winter, store the battery in a cool, dry place with a partial charge.

5.4 Winter Storage

Before storing the mower for the winter season, thoroughly clean it, charge the battery, and store it in a dry, frost-free environment. Disconnect the boundary wire from the charging station.



Figure 5: Side profile of the robotic lawnmower, illustrating its compact design and robust wheels suitable for lawn navigation.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Yard Force Compact 300RBS.

Problem	Possible Cause	Solution
Mower gets stuck frequently or churns up lawn.	Uneven terrain, soft/mossy areas, steep inclines beyond 30%, or obstacles.	Level uneven areas of the lawn. Avoid operating on overly wet or soft ground. Ensure inclines are within the 30% limit. Check for hidden obstacles.
Mower goes over the boundary wire.	Incorrect boundary wire placement or damaged wire.	Verify the boundary wire is installed correctly and securely. Check for any breaks or loose connections in the wire. Ensure the wire is not too close to edges where it might be pushed over.

Problem	Possible Cause	Solution
App crashes or has issues with scheduling.	Software glitch, outdated app version, or connectivity issues.	Ensure your app is updated to the latest version. Restart the app and your mobile device. Check Bluetooth connection. If issues persist, try operating manually.
Mower not charging or no power to charging station.	Power cable issue, charging station malfunction, or poor contact.	Check the power supply to the charging station. Ensure the mower is correctly docked and making contact with the charging pins. Inspect the power cable for damage. Note: The power cable is not easily replaceable or purchasable separately.
Mower stalls in tall grass.	Grass is too long for the current cutting height setting.	Increase the cutting height setting. For very tall grass, it may require multiple passes, gradually lowering the cutting height with each pass.

7. SPECIFICATIONS

Feature	Detail
Model Number	Compact 300RBS-UK
Brand	Yard Force
Working Area	Up to 300m²
Product Dimensions	60 x 40 x 27 cm
Item Weight	15.08 kg
Battery Type	20V Lithium-Ion Samsung (1 included)
Cutting Width	16 cm
Cutting Height Range	20 - 55 mm
Maximum Incline	30%
Operation Mode	Automatic
Safety Features	i-Radar Ultrasonic Sensor, Lift, Obstacle, Turnover, Tilt sensors
Connectivity	Bluetooth App Control
Manufacturer	Sumec
Language	English

8. WARRANTY AND SUPPORT

The Yard Force Compact 300RBS Robotic Lawnmower typically comes with a **2+1 Years Warranty**. Please refer to your product registration details or the official Yard Force website for specific warranty terms and conditions.

For technical support, spare parts, or warranty claims, it is recommended to contact Yard Force customer service. While some users have reported difficulties with direct email support, official channels should be utilized for assistance.

You can often find support information and troubleshooting guides on the official Yard Force website.

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