

EN

YUKA mini 2

800 / 1000

INSTRUCTIONS

Version 1.0

12/2025



MAMMOTION



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Unless expressly stated otherwise, this manual is intended solely as a user guide, and all statements and information contained herein do not constitute any form of warranty.

Intended use

The Mammotion mower is designed for domestic lawn care and is not intended for commercial use.

Hahn & Sohn

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1 Safety instructions

IMPORTANT

BEFORE USING THE ROBOT, PLEASE READ THIS MANUAL CAREFULLY IN ITS ENTIRETY. KEEP THIS MANUAL FOR FUTURE REFERENCE AND DO NOT DISCARD IT

1.1 General safety instructions

1. Before using the robot, please read and understand all the instructions carefully.
2. Only use genuine parts and accessories recommended by Mammotion with the robot.
3. Never allow children, persons with reduced physical, sensory or mental capabilities, or a lack of experience and knowledge, or persons who are not familiar with these instructions, to use the robot. The age of the operator may be restricted by local regulations.
4. DO NOT allow children to move around near the robot or play with it whilst it is in operation.
5. DO NOT use the robot in areas where people are unaware of its presence.
6. When manually controlling the robot using the Mammotion app, always walk – never run. Take care on slopes and maintain good posture and balance. When manually controlling the robot, you assume full responsibility for it.
7. Do not sit on or stand on the robot, the adapter, the cables or the charging base. Doing so may damage them and invalidate the warranty.
8. DO NOT touch moving parts such as the mowing disc, blades and wheels until all movement has completely stopped.
9. If you are using the robot in public areas, place warning signs around the working area with the following text: “Warning! Automatic lawn mower! Keep away from the robot! Supervise children!”
10. NEVER leave the robot running unattended if pets, children or people are nearby.
11. Wear sturdy footwear and long trousers when the robot is in operation.
12. To prevent damage to the robot and accidents involving vehicles or people, do not set up work areas or navigation routes across public roads or public thoroughfares.
13. DO NOT connect to or touch a damaged cable until it has been disconnected from the mains socket. If the cable becomes damaged during operation, disconnect the plug from the socket. A worn or damaged cable increases the risk of electric shock and should be replaced immediately. Contact an authorised service centre without delay.
14. Keep extension cables at a safe distance from moving parts of the robot that pose a hazard, such as the cutting blades, to prevent damage to the cables and the robot.

15. DO NOT MODIFY the robot yourself. Modifications could impair its operation, lead to serious injury and/or damage, or result in the warranty being voided. Use only genuine parts and accessories approved by Mammotion.
16. If the robot makes an unusual noise or triggers an alarm, press the STOP button immediately.
17. Check regularly (once a week) that all parts of the robot are functioning normally.
18. Before carrying out maintenance, cleaning or inspecting the robot, first switch it off and remove the key from it. If the robot vibrates abnormally, check that it is not damaged before restarting it. Do not use the robot if any of its parts are damaged or faulty.
19. Do not touch the cutting blades or wheels whilst the robot is in operation. When handling the cutting blades or wheels, always switch off the robot first, remove the key and always wear protective gloves.
20. The images used in this manual are for illustrative purposes only. Please refer to the actual robot.
21. If you have a swimming pool in your garden, ensure that the robot mows the grass at a sufficient distance from the edge of the pool (min. 50 cm). The product has an IPX6 water resistance rating in the working position, but it is not completely waterproof.
22. The IPX6 water resistance rating applies when the robot is in the working position.
23. The user is liable for any accidents or hazards that may occur to other persons on their property.
24. The robot and accessories may only be repaired or modified by an authorised service centre or a qualified person who has been trained at an authorised service centre.
25. Operating and storage temperature: 0°C – 40°C. Operating temperature for charging: 5°C – 40°C.

1.2 Safety instructions for the charging base

1. DO NOT PLACE the charging base in locations where people might trip over it.
2. DO NOT place the charging base in areas where there is a risk of standing water.
3. Only use the original charging base to charge the robot. Incorrect use may result in electric shock, overheating or leakage of corrosive liquid from the battery. If electrolyte comes into contact with your eyes, rinse them with water or a neutralising agent and seek medical attention if the corrosive liquid enters your eyes.
4. Keep the charging base and accessories at least 60 cm away from flammable materials. Malfunctions or overheating may pose a fire risk.
5. Always use a residual current device (RCD) with a maximum tripping current of 30 mA when connecting the power supply to a socket.

1.3 Safety instructions for mowing

1. Do not reach with your hands or feet near the mowing blades. Do not reach under the robot or touch it whilst it is switched on.
2. Do not lift or move the robot whilst it is switched on.
3. Before starting, remove stones, branches, tools, toys and other objects from the lawn to prevent damage to the blades.
4. DO NOT place any objects on the robot or the charging base.
5. DO NOT use the robot if the STOP button is not working.
6. Prevent collisions with people or animals. If someone or something gets in its way, stop the robot immediately.
7. Always switch the robot off when not in use.
8. DO NOT use the robot at the same time as pop-up sprinklers, and avoid placing the navigation paths where sprinklers are installed.
9. DO NOT use the robot in standing water or during heavy rain.

1.4 Battery safety instructions

Lithium-ion batteries may explode or catch fire if mishandled. Do not disassemble, short-circuit, expose to water, fire or high temperatures. Handle with care and avoid any mechanical or electrical damage. Store batteries away from direct sunlight.

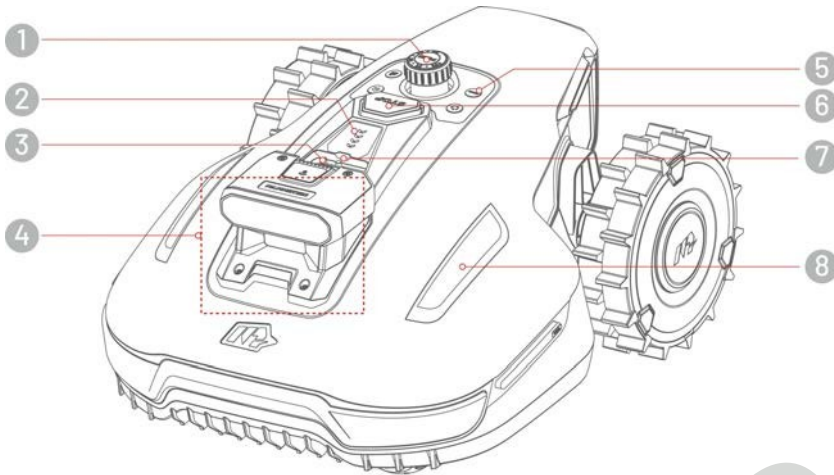
1. Use only the original charging base and power adapter. Incompatible chargers may cause electric shock or overheating.
2. DO NOT attempt to repair or modify the batteries. Attempts to repair them may result in serious injury due to explosion or electric shock. In the event of a leak, the released electrolytes are corrosive and toxic.

2 Introduction

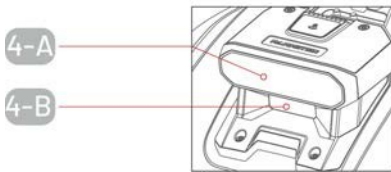
2.1 About the mower

The images used in this manual are for illustrative purposes only. Please refer to the actual robot.

Top view

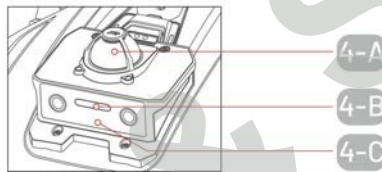


1. Press the cutting height adjustment button downwards and turn it
2. Battery status indicator
3. Rain sensor
4. See description below the image
5. Indicator lights
6. STOP button
7. Key
8. LED side lights



YUKA mini 2 800

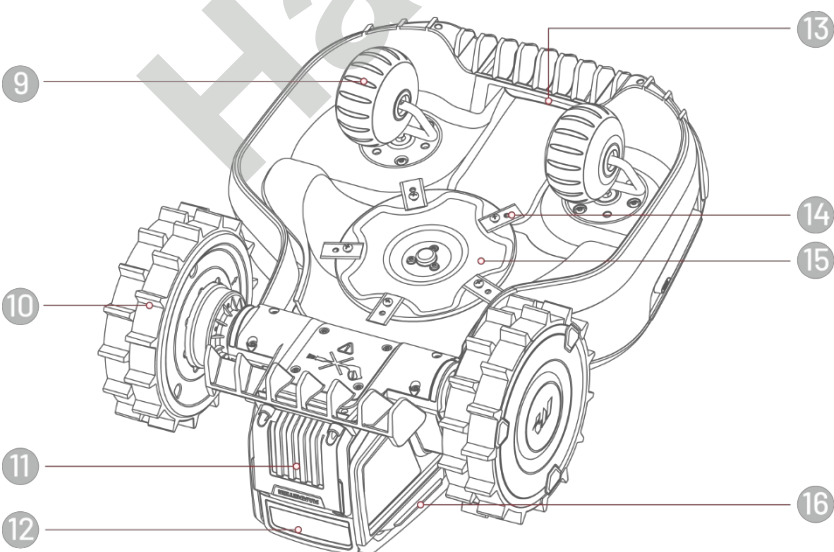
- 4. YUKA mini 2 800 module**
 4-A. Vision module
 4-B. Light



YUKA mini 2 1000

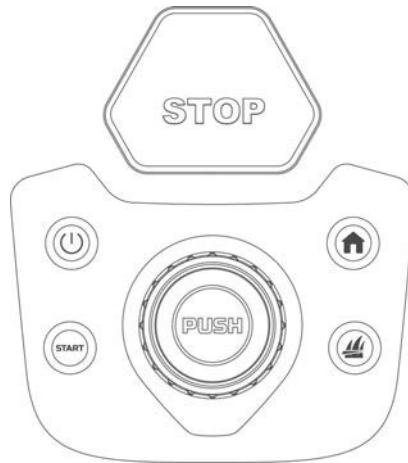
- 4. YUKA mini 2 1000 module**
 4-A. 360° LiDAR
 4-B. Light
 4-C. Vision module










View from below



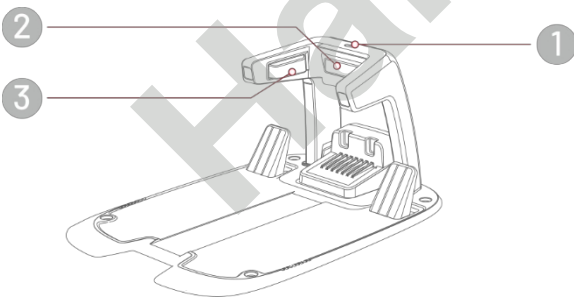
9. Front wheel
10. Rear wheel
11. Replaceable battery
12. Infrared receiver
13. Handle
14. Cutting blade
15. Cutting disc
16. Charging contact

Buttons and indicator lights



- If any unexpected problems occur, press the **STOP** button to stop the robot immediately.
- Press and hold the  to switch the robot on or off.
- Press twice  will only unlock the robot after an emergency stop.
- Press , and then press  to start the robot's return to the charging base.
- Press , and then press  to resume mowing.
- Press and hold the  button for 5 seconds, then press the  button to activate DropMow. For more information, see section **4.1 DropMow**.
- Press down and turn the  to manually adjust the cutting height.

Charging base



1. LED indicator
2. Infrared transmitter
3. Charging contact

2.2 LED indicator lights

Lawnmower













LED	Status	Description
Side LED indicators	Green light	The robot is working correctly.
	Green flashing	<ul style="list-style-type: none"> ● OTA update. ● The robot is charging.
	Blue is flashing	<ul style="list-style-type: none"> ● STOP button activated. ● Battery low. ● Robot is stuck. ● The key is not inserted correctly in the mower. ● The robot has been lifted, tilted or overturned.
	Red light is on	<ul style="list-style-type: none"> ● The robot is displaying an error (see the app for more details). ● The robot update has failed.
	Not lit	<ul style="list-style-type: none"> ● The robot is switched off. ● The robot is in standby mode. ● The side LEDs are turned off in the app. ● The robot is in manual mode but is currently inactive.





Charging base

LED	Status	Description
LED	Green flashing	The robot is parked in the charging base.
	Green steady	The robot is not parked in the charging base.
	Red is lit	Charging base error.
	Not lit	Not connected to the mains.

2.3 Symbols used

You will find these symbols on the product. Please study them carefully.

 TS-A081-2703002	Use the detachable power adapter TS-A012-1201002.
 TS-A081-2703002 ADS-81EJ-27-5	Use the detachable power adapter TS-A081-2703002/ADS-81EJ-27-5.
	This product complies with the applicable CE directives. BLAKAR trading s.r.o. declares that the specified product is in conformity with and complies with Directive 2014/53/EU. The full version of the declaration of conformity is available at www.blakar.cz/declaration-of-conformity
Made in China	This product is manufactured in China.
	This product must not be disposed of as ordinary household waste. Ensure the product is disposed of in an environmentally friendly manner in accordance with local regulations. For more information, visit www.asekol.cz
	This product can be recycled. For more information, visit www.ekokom.cz
	The packaging of this product should not be exposed to moisture or water.
	The packaging of this product should not be covered.
	Do not tip over.
	This product is fragile.
	Do not stand, sit or climb on the packaging of this product, or on the product or its accessories.
	Class III appliance.
 Do not touch rotating blade. Ne touchez pas la lame rotative.	Warning – do not touch the moving parts of the product or the cutting blades whilst they are in motion.

	<p>WARNING: Read the entire manual carefully before using the product.</p>
	<p>WARNING: Risk of objects being thrown against the body. Maintain a safe distance from the product during operation.</p>
	<p>WARNING: Do not place your hands or feet under the product when it is switched on or running. When handling or lifting the product, switch it off first and remove the key.</p>
	<p>WARNING: Never ride on the product. Never place your hands or feet near the rotating blades or under the product when it is switched on.</p>

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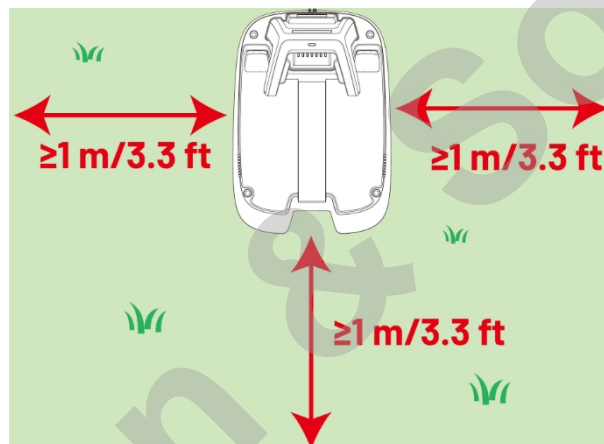
3 Getting started

3.1 Installing the charging base

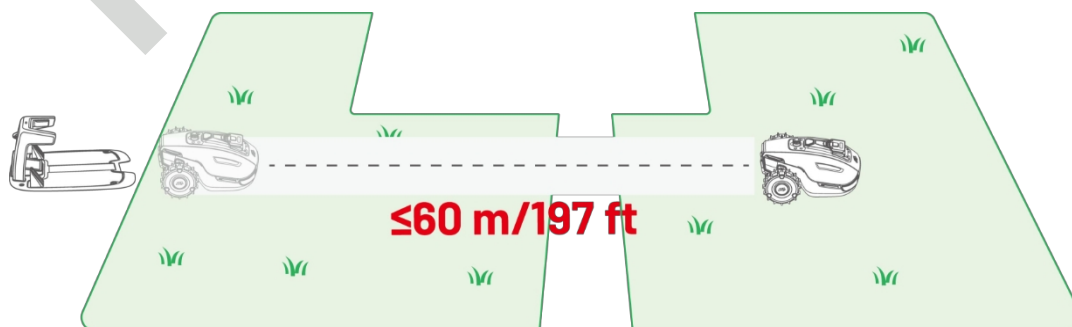
Choose a suitable location for the charging dock

The charging base is where your robot parks and recharges. To ensure trouble-free operation, make sure the installation site meets the following conditions:

- **Flat surface:** The area must be free of bumps, slopes or stones.
- **Nearby power source:** An accessible electrical socket is required to power the charging base.
- **Clear surroundings:** There must be no obstacles (such as trees, houses or other objects) within 1 m to the left, right and in front of the charging base.

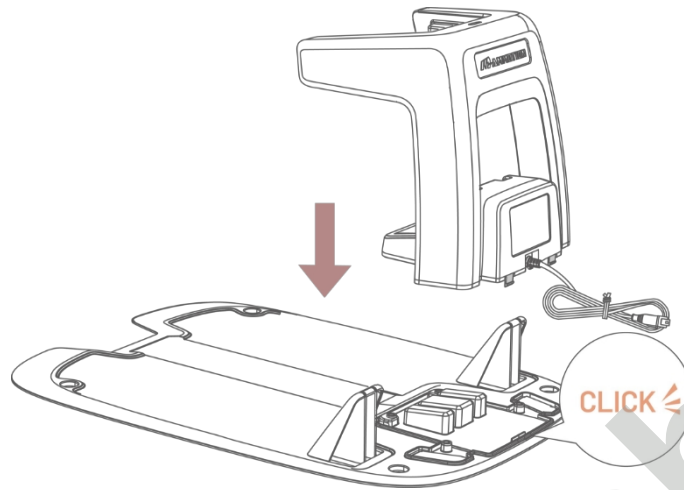


- **Good lighting (YUKA mini 2 800 only):** Good lighting helps the robot to navigate.
- **Near the lawn (YUKA mini 2 800 only):** To ensure accurate positioning, make sure that the distance between the charging base and the robot does not exceed 60 m during the mapping process. If you have more than one lawn area, it is recommended that you place the charging base between them for optimal performance.

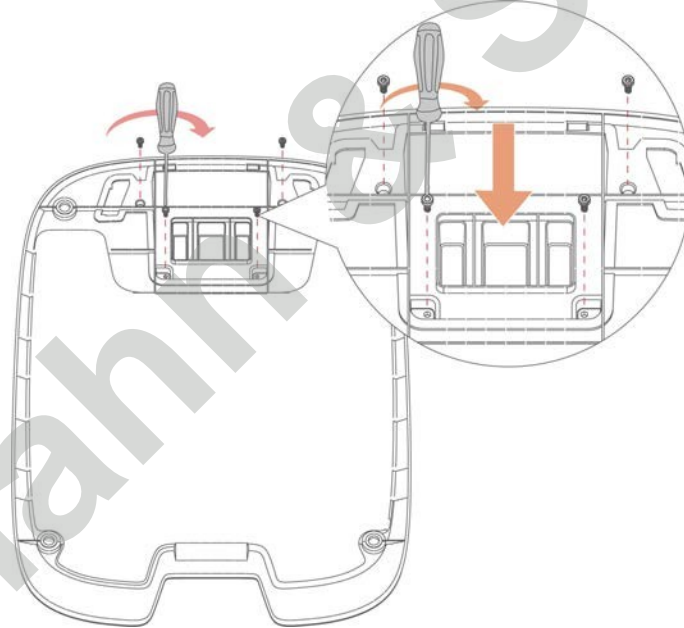


Assembling the charging base

1. Insert the charging tower into the charging base's stand plate until you hear a CLICK.



2. Insert the four screws into the bottom of the charging base as shown in the illustration and tighten them using the screwdriver provided.

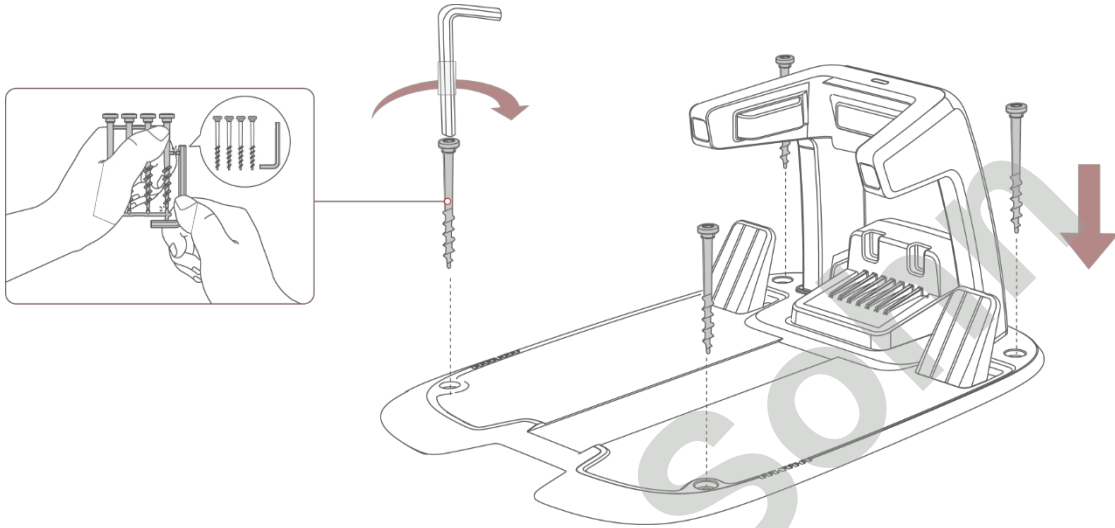


3. Use the four supplied pegs to secure the charging base in the chosen location. Ensure that the charging base faces the lawn.

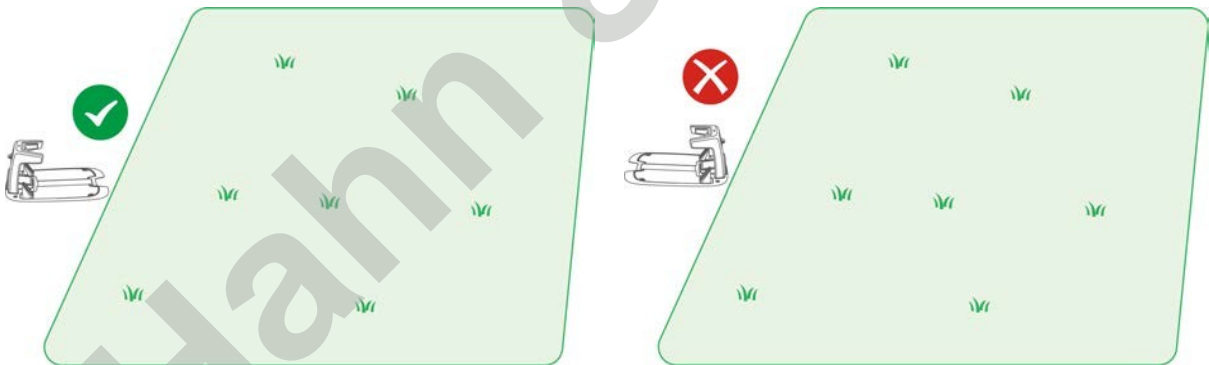
NOTE



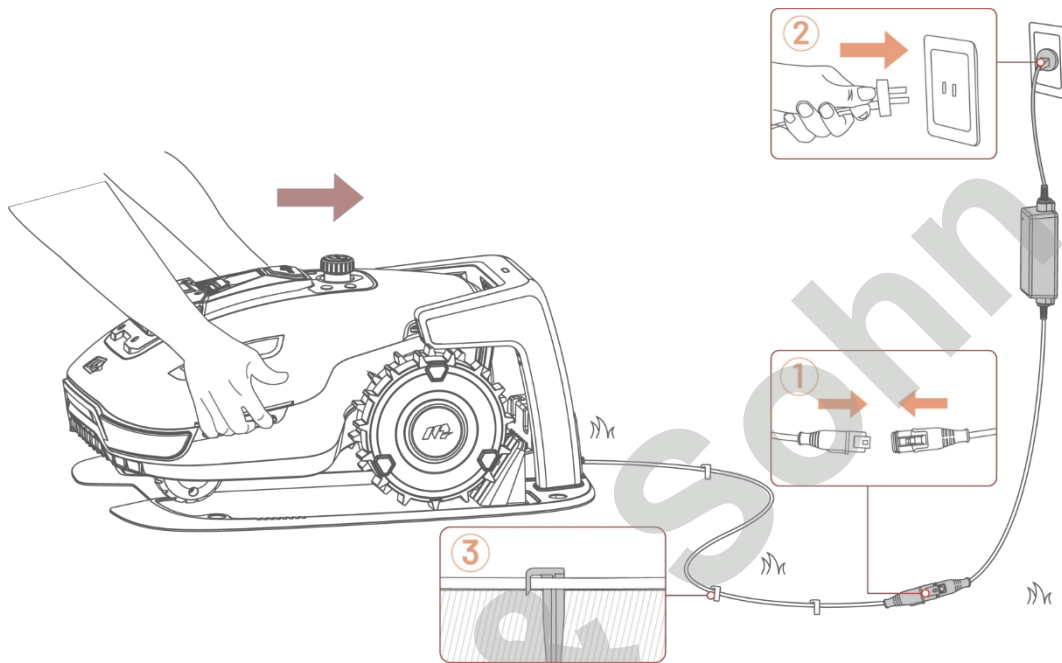
If the charging base is installed on a concrete surface, secure it with expansion bolts (not included).



3. The base must face the mowing area.



4. Connect the charging base's cable to the power adapter.
5. Plug the power adapter into a mains socket. Secure the cable to the ground using the supplied cable pegs.
6. Place the robot manually into the charging base and start charging. Once the mower has been correctly parked in the charging base, the side LED will light up green.



NOTE - IMPORTANT



Allow the robot to charge fully before activating it.

3.3 Download the Mammotion app

Scan the QR code below and download the app from Google Play or the App Store, or search for “Mammotion” in both stores.



Once the app is installed, please register and log in. While using the app, you may be asked to grant access to Bluetooth, location and local network, if necessary. For optimal performance, we recommend enabling the above permissions. For further information, please refer to our Privacy Policy (in the app, go to **Profile > About Mammotion > Privacy Policy**).

If you wish to log in using a third-party account, click on  or  on the login page and continue.

Trademark notice:



The “ ” icon is a trademark of Google LLC. The “ ” icon is a trademark of Apple Inc. All trademarks mentioned in this guide are the property of their respective owners.

3.4 Mower settings

NOTE



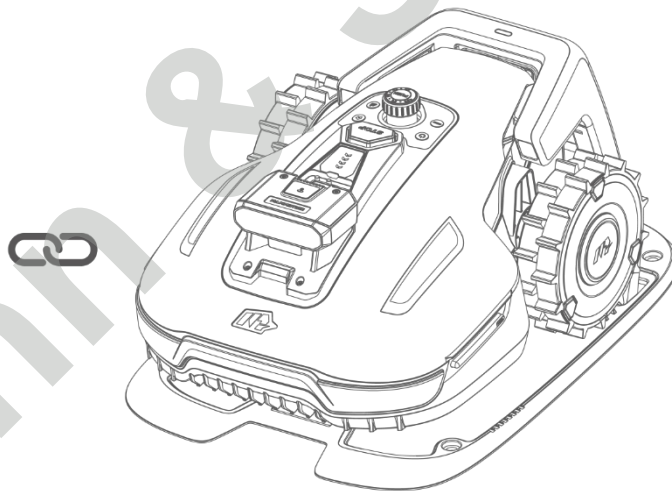
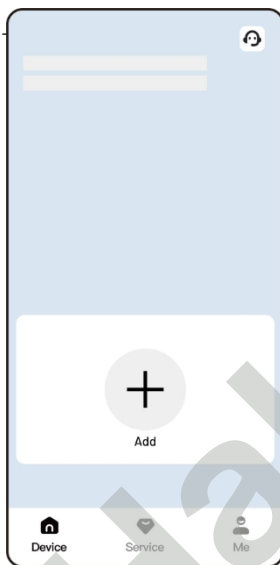
- Keep the distance between your phone and the robot at 3 m or less.
- If you are using 4G mobile data, you can skip the Wi-Fi setup.

1. Tap + to add the robot.
2. Follow the on-screen instructions to connect the robot to Wi-Fi.
3. Follow the on-screen instructions to activate the built-in 4G module.
4. Update the mower to the latest version before use.

NOTE



The 4G module is an optional accessory for the YUKA mini 2 1000 and is sold separately. On the YUKA mini 2 800 model, the 4G module is included with the



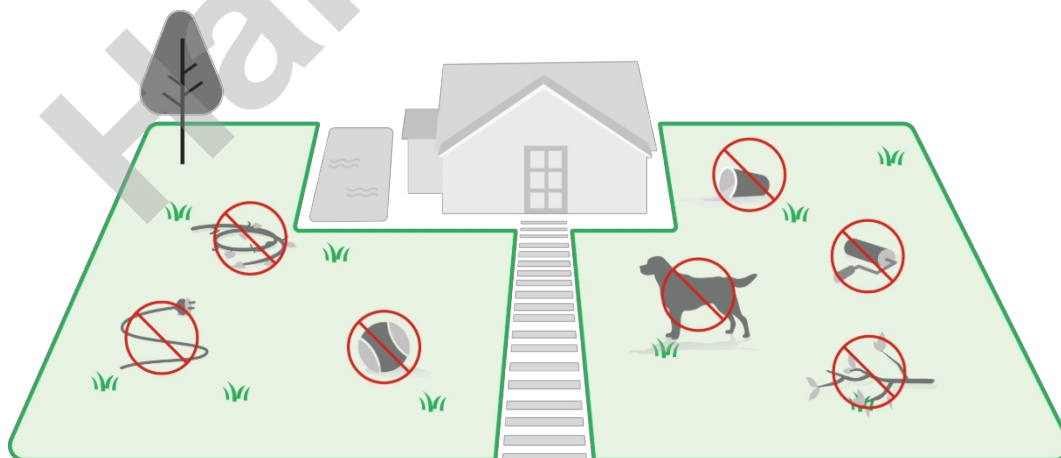
If you did not activate the 4G module during the robot pairing process, you can do so by clicking on the status bar on the home page:

1. Click on **the status bar** on the home page.
2. Click on the **4G** button.
3. Tap **Activate** and wait for the activation to complete successfully.

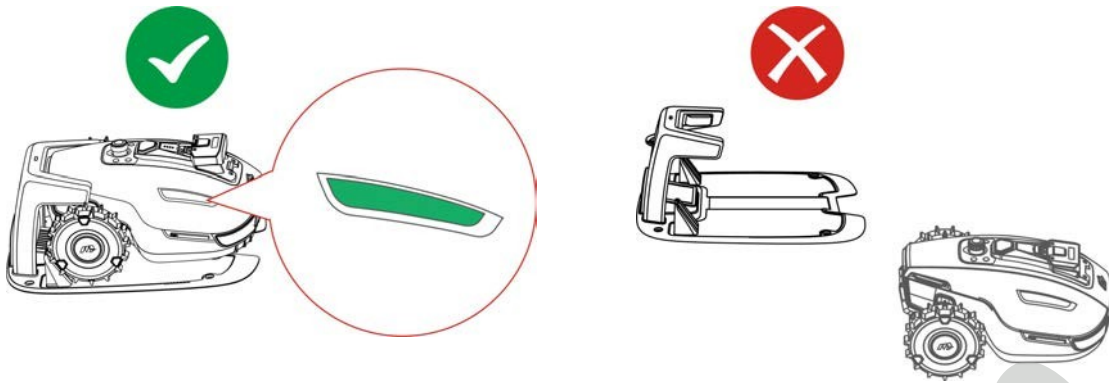


3.5 Preparation before mowing

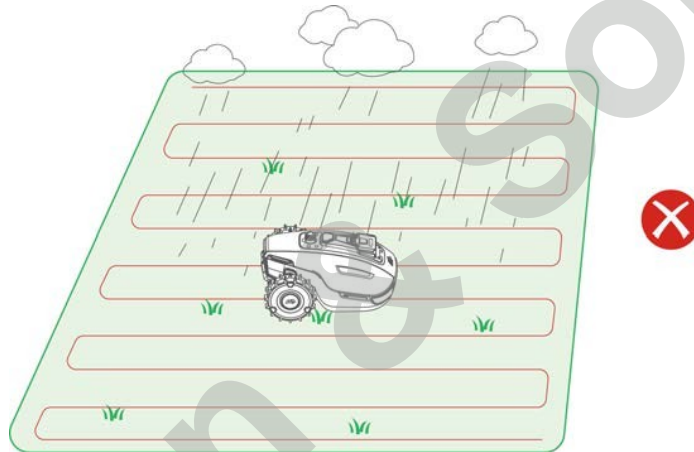
- Before using the robot for the first time, mow the lawn to a height of max. 10 cm.
- Remove any debris, piles of leaves, toys, wires, stones and other objects from the lawn.
- Make sure there are no children or pets on the lawn.



- Make sure the robot is properly connected to the charging base and that the side LED is lit green. Then complete the calibration in the app.

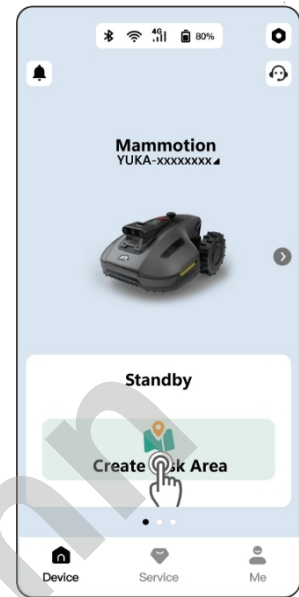


- For best mowing results, it is recommended to mow in dry weather. Mowing in the rain can cause grass to stick to the robot and cause it to slip. **DO NOT** mow in bad weather, such as heavy rain, storms or snow.



3.6 Mapping and mowing the lawn

1. Tap **Create Area** on the home screen.
2. Read and follow the instructions in the app to check that your robot is ready for mapping.
3. The **YUKA mini 2 800** supports **AUTOMATIC MAPPING**. Follow the instructions in the app.
4. The **YUKA mini 2 1000** supports **MANUAL MAPPING**. Follow the instructions in the app.
5. Tap **Start Mapping** to begin mapping the lawn.
6. Once mapping is complete, tap **Mow** to start mowing.



3.7 Charging

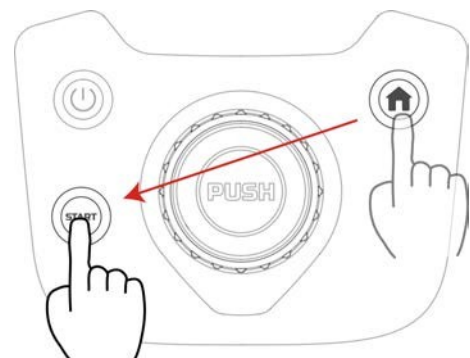


NOTE

The robot must be within the working area to return to the charging base.

Recharging

- Click on '🔌' on the map page in the app or
- Press the '🏠' button and then the 'START' button on the robot to return it to the charging base.



4 Daily mowing

4.1 DropMow

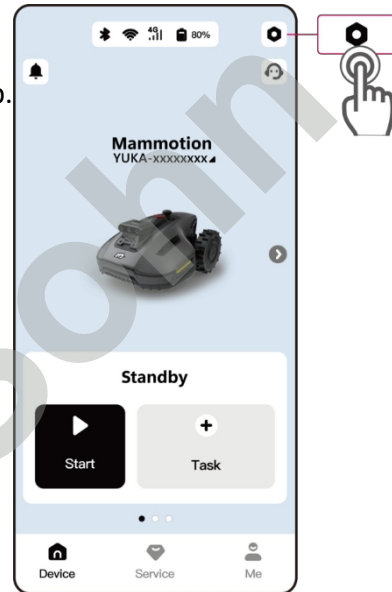
In DropMow mode, no mapping is required – simply place the mower down, press the “Mow & Start” buttons, and the mower will start mowing in a regular N-shaped pattern in the direction it is currently facing. The temporarily created map is not saved, making this ideal for quick, one-off mowing.

Recommended uses include:



- Mowing areas that the robot cannot normally reach.
- Temporary mowing tasks that do not require a complete map.

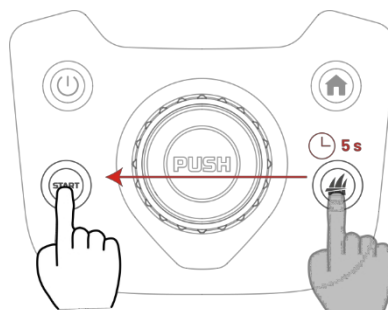
Using DropMow:

- Click on  > ‘Beta Features’ > ‘DropMow’ in the app.



or

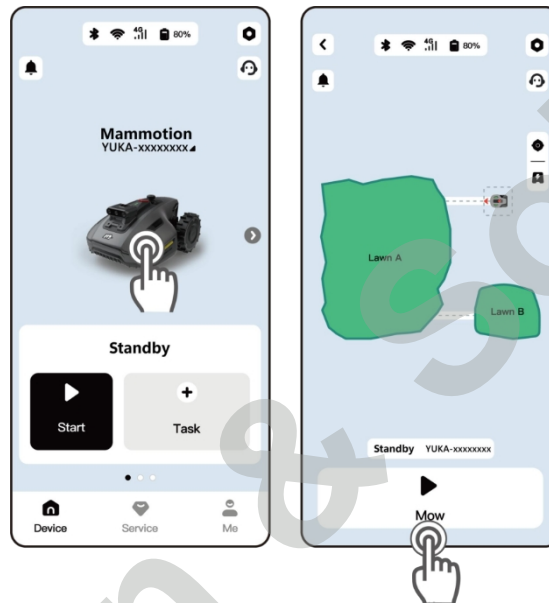
- Press and hold the  button for 5 seconds, then press the  button on the robot's body.



4.2 Standard task (Custom settings)

Customising the mowing task:

1. Click on the robot image in the app to go to the Map page.
2. Click on '▶' to enter the Areas page.
3. Click on 'Mowing Area' to select the area you wish to mow.
4. Click on **Settings** to configure the task settings.
5. Click **Start** to begin mowing.



4.3 Scheduled task

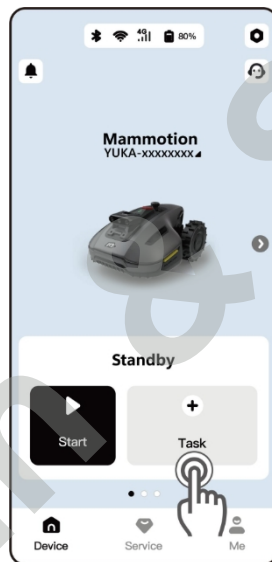
NOTE



- You cannot create tasks whilst the robot is working.
- Tasks can be set up after creating a mowing area.

Scheduling an automatic mowing task:

1. On the home page, click '+' if no job has been created yet.
2. Click on **Mowing Area** to select the area to be mowed.
3. Click on **Settings** to configure the parameters.
4. Click on **Scheduler** to set the date and time, then click on **Save**.
5. Finally, click **Save** to save the scheduled mowing task.



5 Mammotion app

With the Mammotion app, you can fully customise, manage and monitor your mower, allowing you to control the mowing from anywhere.

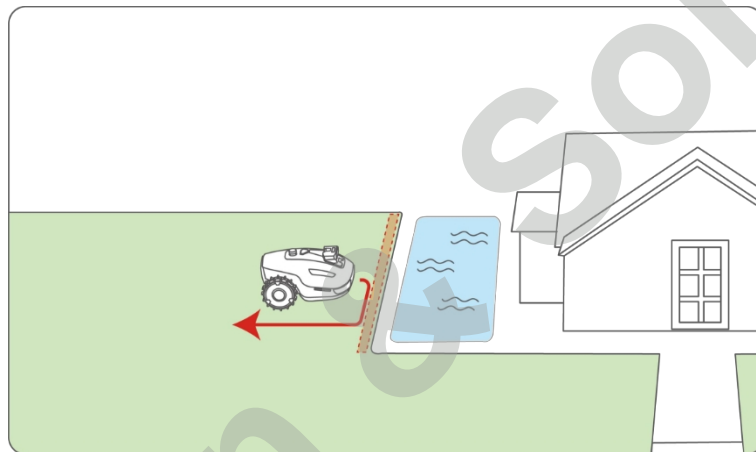
5.1 App features

Virtual Wall

The virtual boundary acts as an invisible barrier that defines perimeters or restricts access to areas where you do not want the robot to enter.

Recommended uses include:

- Lawns with unclear or undefined boundaries.
- Water features such as swimming pools or ponds (the edges of the water surface).



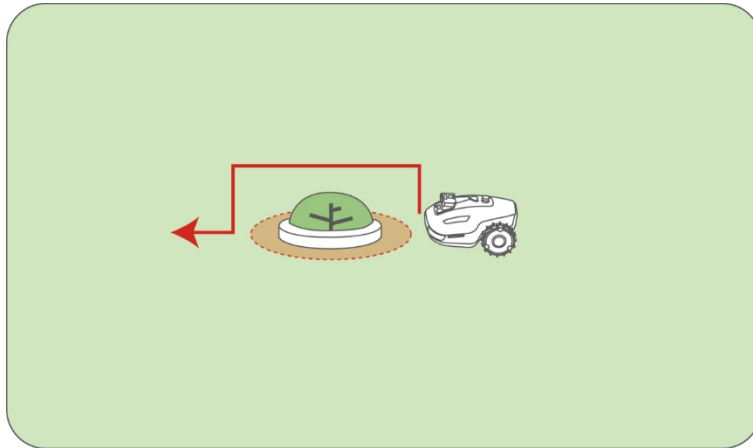
No-go zone

A no-go zone is an area that your robot should avoid entirely. It is essential for protecting the robot from damage and keeping it out of sensitive or hazardous areas. The robot will not mow in no-go zones.

Recommended uses include:

- Low flower beds, particularly those less than 20 cm high.
- The edges of bodies of water, such as ponds or swimming pools, particularly where there is no clear boundary.
- Transparent objects, such as insect screens or glass doors.
- Small or low-lying obstacles, e.g. washing lines, tent ropes or water pipes.
- Pet houses, e.g. dog kennels.

- Highly valuable or delicate plants, including crops and ornamental plants.
- Irrigation equipment, such as hoses and sprinklers.

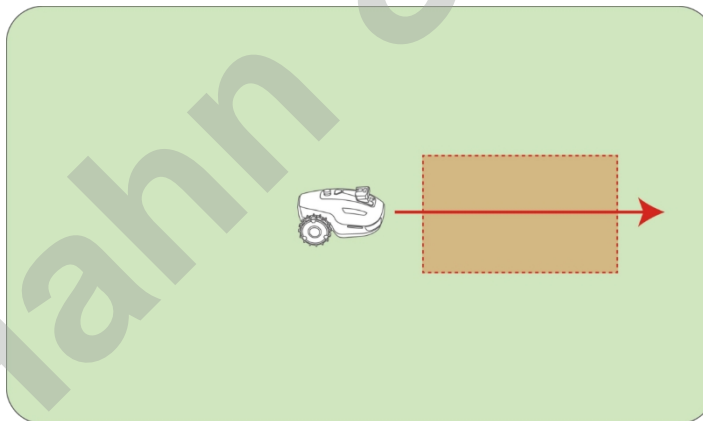


No-stop zone

A no-stop zone is an area where the robot disables the obstacle avoidance function and will not stop at any obstacles on its way to the working area or another location, or when returning to the charging base. These are useful for complex but safe areas where the robot might otherwise get stuck.

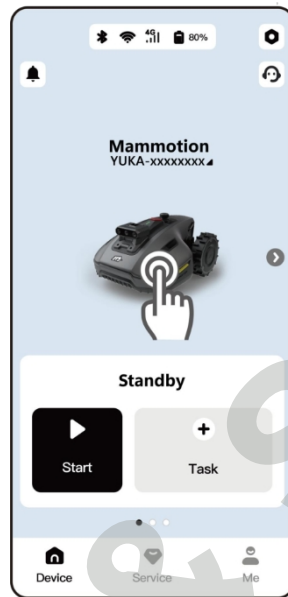
Recommended uses include:

- Areas of the green that may be mistakenly identified as out of bounds due to seasonal changes.
- Areas with low, safe obstacles.



Adding a virtual wall / No-go zone / No-stop zone

1. Click on the robot image on the home page to access the Map page.
2. Click on **Map**.
3. Click on **Create**.
4. Select **Virtual Wall/No-go zone/No-stop zone** and follow the instructions in the app to complete the process.



5.2 Mowing settings

Mowing mode

Select the optimal mode based on the condition of your lawn and the desired appearance in the menu **Mow > Settings > Mowing mode**.

- **Perimeter only:** Mowing the perimeter of the lawn only.
- **Zigzag:** Mowing in classic striped lines.
- **Checkerboard:** Cross-cutting for a dense and even lawn surface.
- **Adaptive Zigzag:** The robot automatically adjusts the mowing path along its length for greater efficiency.

Pattern (print on lawn)

Add text or images to the map. On the map, go to the **Create > Pattern** menu and add a pattern.

5.3 Safety and security

Obstacle detection

Adjust the robot's response to objects and changing terrain along its mowing path. In the **Mowing > Settings > Obstacle Detection Mode** menu, you can select one of three sensitivity levels:

- **Sensitive:** Increases the robot's sensitivity to standard obstacles and non-grass surfaces (e.g. pavements, gravel). Use this mode on complex lawns.
- **Standard:** Detects and avoids common obstacles (e.g. toys, furniture) encountered during mowing. This is the recommended default setting.
- **Off:** Disables obstacle detection. Use only in specific, controlled environments where detection is not required or interferes with normal operation.

Rain sensor

Your robot is equipped with built-in rain sensors. If these sensors are activated, the robot will automatically stop mowing and return to the charging base as soon as it detects rain.

- You can enable or disable this feature in **Settings > Rain Sensor**.

Safety for nocturnal animals

This feature helps protect nocturnal animals during night-time operation. You can set the robot to **Mow at low speed** or **Stop mowing** during the night.

- Enable this feature in **Settings > Safety for nocturnal animals**.

5.4 Security and Monitoring

Geo-fence Alarm

The app will send you a push notification if the robot moves more than 50 m away from the designated working area, alerting you to potential unauthorised movement.

- To use this feature, go to **Profile > Find My Device** and enable **Location Notifications**.

GPS tracking

If your robot goes missing, you can track its location in real time using GPS, provided the robot has been connected to the Mammotion app.

- To use this feature, go to **Profile > Find My Device** and enable **Location Tracking**.

AirTag compatibility

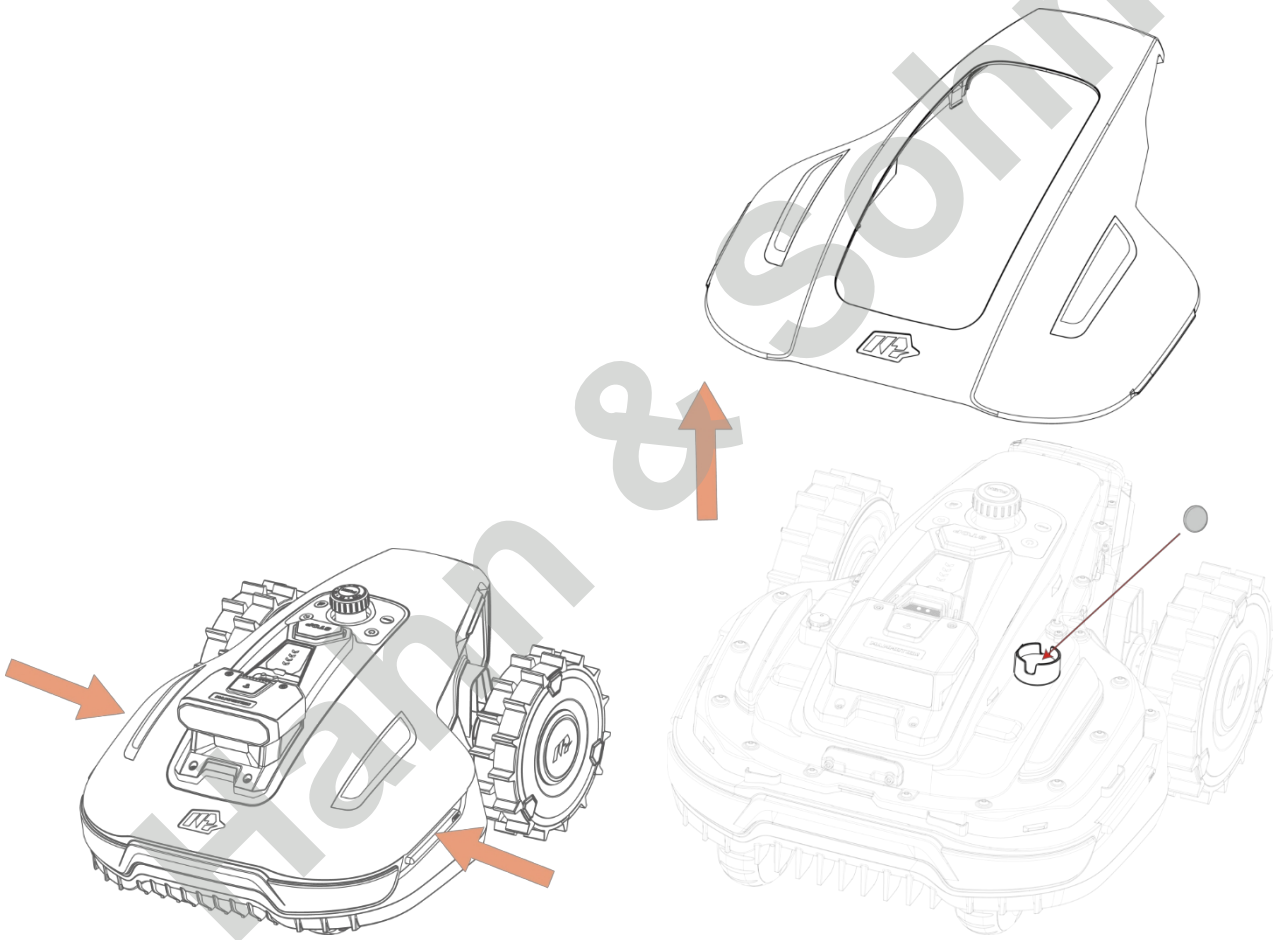
The robot supports the installation of an AirTag inside the cover.

1. Remove the robot's top cover.
2. Place and secure the AirTag in the designated mounting location.
3. Replace the top cover and ensure it is properly secured.



NOTE


The AirTag is not included in the package. The Mammotion app does not support the AirTag feature.

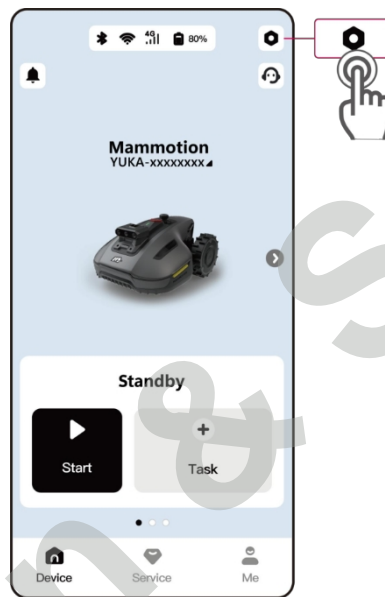


5.5 Sending logs

If you encounter any issues whilst using the device, you can upload the relevant logs to help our technical support team diagnose and resolve the problem effectively.

Uploading logs


1. Click on  to access the **Settings** page.
2. Click on **Upload Logs** and follow the instructions in the app to complete the upload. **OR**
3. Go to **Profile > Upload Logs** and follow the in-app instructions to complete the upload.



5.6 Firmware update

For the best experience, please ensure your robot is updated to the latest firmware version.

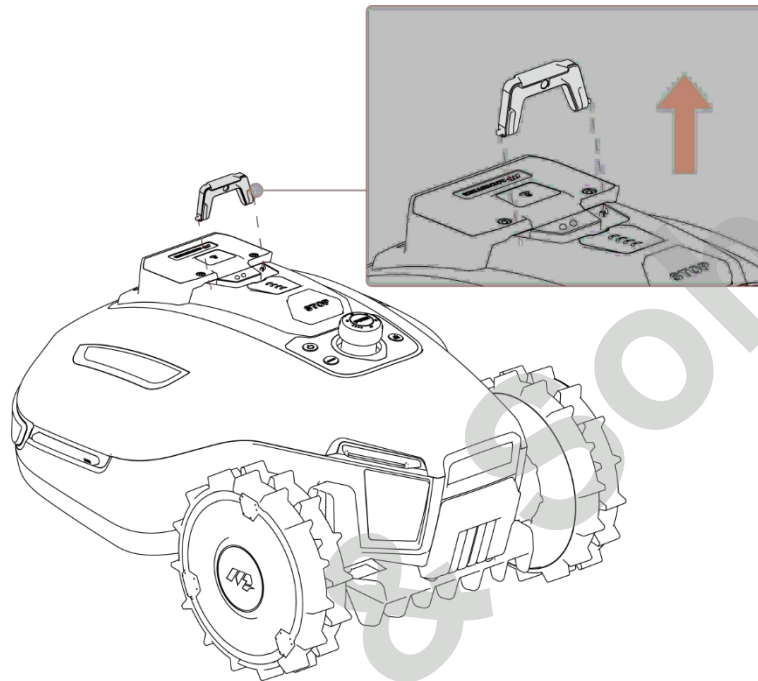
Firmware update:

1. Go to the section  > **Device Information > Robot Version** and update the firmware.
2. Make sure the robot is connected to a stable network.
3. Do not close the app, perform any other operations or switch off the robot during the update.

6 Maintenance

To maintain optimal mowing performance and extend the robot's lifespan, Mammotion recommends carrying out regular checks and maintenance at least once a week. For safety reasons, always wear protective clothing such as trousers and work boots; avoid wearing open sandals or walking barefoot during maintenance.

- Switch off the robot and remove the key before carrying out maintenance.



- DO NOT use a high-pressure cleaner, a water jet or solvents to clean the robot.
- After maintenance, make sure the robot is placed on the floor in its working position, not upside down.
- DO NOT turn the robot upside down to wash its chassis. If you do turn it over for cleaning, never spray water onto the robot from underneath and ensure that you return it to its working position after cleaning. This precaution is essential to prevent water from entering the motors and potentially affecting the robot's normal operation.

6.1 Cleaning

Robot

WARNING



- Before starting any cleaning work, ensure that the robot is completely switched off.
- Always switch off the robot before turning it upside down.
- When turning the robot upside down, handle it with care so as not to damage the camera module or the LiDAR module.

Housing

Use a soft brush or a damp cloth to clean the robot's casing. Do not use a water jet (from a hose or pressure washer), alcohol, petrol, acetone or other corrosive or volatile solvents, as these may damage the robot's appearance and internal components.

Chassis

Wear protective gloves when cleaning the chassis and mowing disc. Use a brush or plastic scraper to remove dirt. Check that the blades are not damaged and ensure that the blades and cutting disc rotate freely. DO NOT use sharp objects or a jet of water (from a hose or pressure washer) to clean the underside.

Wheels

Clean both the rear and front wheels with a brush. Remove any dirt. After every 200 hours of operation, use the oil (included with the product) to lubricate the axle of both front wheels.

Vision camera / LiDAR module

Wipe the camera lens / LiDAR module with a soft microfibre cloth to remove any smudges, taking care not to damage the lens or the LiDAR.

Cleaning the charging base

Before cleaning or maintaining the charging base, first unplug it from the mains socket. Use a soft cloth to clean the infrared transmitter and charging contact. Do not pour water onto the charging base. Treat the charging base contacts with a contact cleaner, e.g. Kontakt 61.

6.2 Maintenance of mowing blades

WARNING

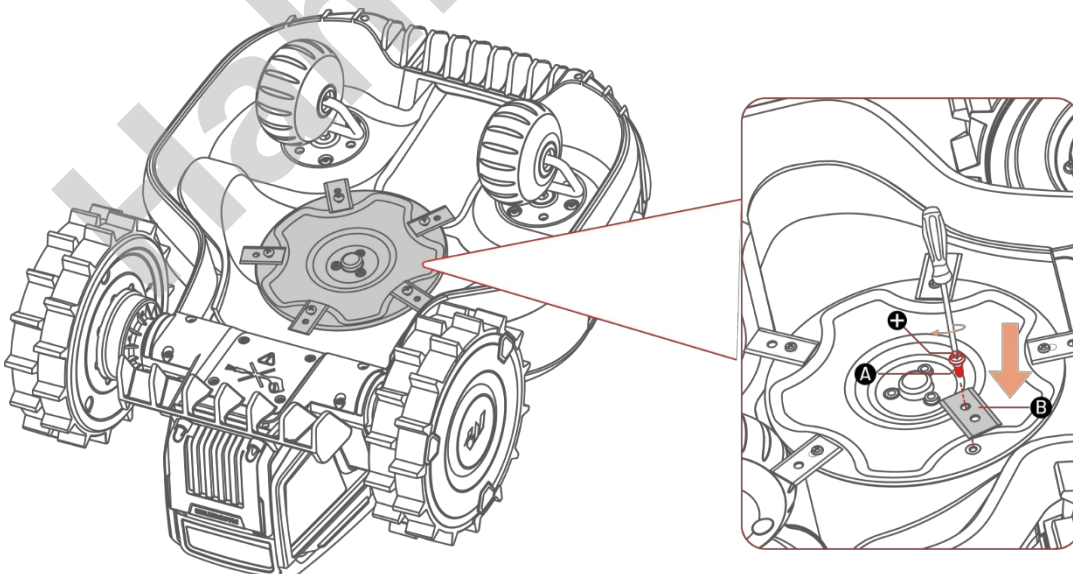


- Always wear protective gloves when replacing the blades. DO NOT use an electric screwdriver during installation.
- When replacing the blades, replace all screws at the same time to ensure optimum cutting performance.
- After installation, ensure that all blades rotate freely.

- To ensure optimum performance during long-term storage, keep the motor shaft dry and clean. Regular maintenance of the motor shaft helps prevent the build-up of dirt and moisture, which can affect the motor's function. The expected service life of the motor is 1,500 hours of operation.
- The cutting blades are considered consumable parts and should be replaced if they become heavily worn. It is recommended to replace the blades every 1–2 months or after 150 hours of operation.
With thicker grass, the blades need to be replaced more frequently to ensure a good cut.

Replacing the cutting blades

1. Switch off the robot and remove the key.
2. Place the robot on a soft, clean surface and turn it over so that the wheels are facing upwards. Take care not to press down on the camera module / LiDAR module.
3. Remove the old cutting blades using the supplied Phillips screwdriver.
4. Install the new cutting blades (**B**) using the screws provided (**A**). Ensure that the blades rotate freely and are securely installed.



6.3 Battery maintenance

- Before storing the mower, ensure the battery is fully charged to 100%.
- Even if you are not using the mower, ensure the battery is fully charged every 2–3 months.
- Before charging and storing, always ensure that the charging contacts on the mower and the charging base are clean and dry.

6.4 Storage

To ensure your robotic mower is in optimal condition for the next mowing season, store it indoors along with the charging base. If the ambient temperature drops below 0 °C in winter, keep the , the robotic mower and the charging base indoors in a well-ventilated place.

Storing the mower

1. Allow the battery to charge fully.
2. Switch off the mower and remove the key.
3. Clean the mower of all debris (cover, wheels, vision/lidar module, mowing discs, mowing blades) using a slightly damp cloth, a soft brush or a plastic scraper. Do not scratch the front vision cover or the lidar module. Do not wash the mower with water or any chemicals.
4. Leave the mower to dry completely in its working position.
5. Apply contact cleaner (e.g. Kontakt 61) to the charging contacts. Caution: DO NOT apply the cleaner to any other parts of the robot, particularly metal contact surfaces, with the exception of the charging contacts.
6. Lubricate the front wheel axles with the oil provided (included in the pack).
7. Store the mower indoors.

Storing the charging base

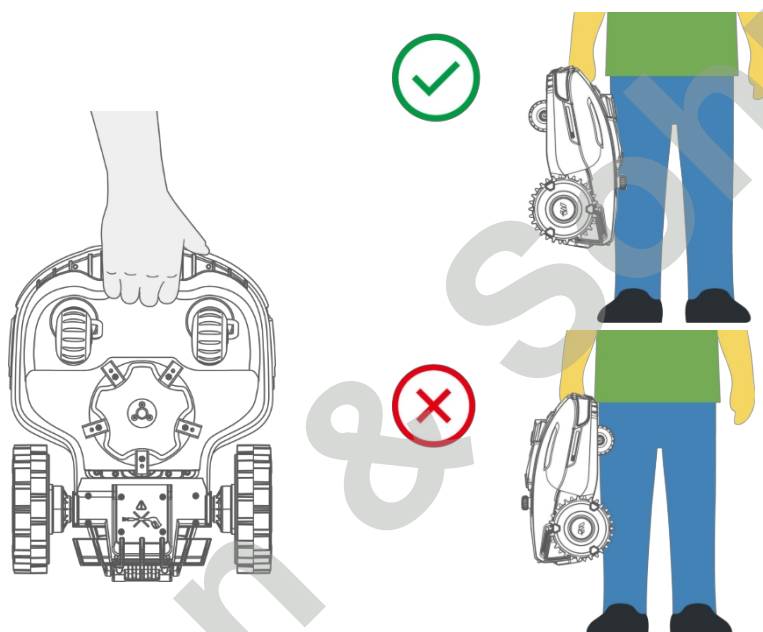
1. Unplug the adapter from the mains socket and from the charging base.
2. Unscrew the plastic screws from the base and the charging station.
3. Clean the base with a soft brush and a damp cloth. Do not pour water or any chemicals onto it. Allow it to dry completely.
4. Apply contact cleaner (e.g. Kontakt 61) to the charging contacts.
5. Store the charging base and adapter indoors.

7 Transport and carrying

We recommend using the original packaging for both the robot and the charging station when transporting the mower.

To carry the mower safely:

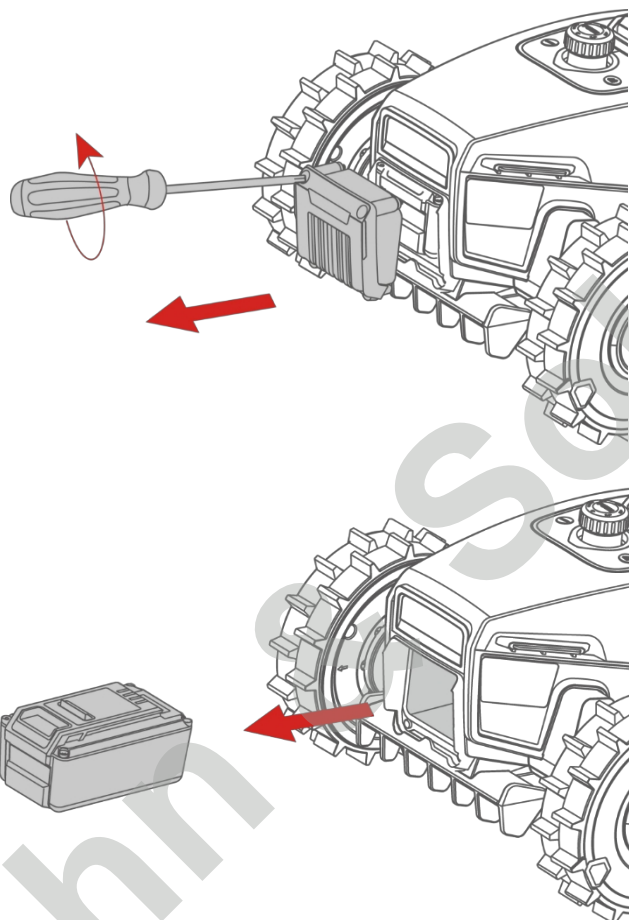
1. Switch off the mower.
2. Hold the mower by the handle at the front, as shown in the picture.
3. Keep the underside of the mower, with the cutting blades, facing away from your body.



8 Disposal

When disposing of the product, comply with local regulations and requirements.

Do not dispose of batteries in normal household waste. Remove the battery and take it to a collection point.



9 Specifications

9.1 Basic specifications

Parameters	YUKA mini 2	
	800	1000
Model	YUKA2800 (YMVS4)	YUKA21000 (YM2S1)
Max. mowing area	800 m ²	1,000 m ²
Max. number of areas	5	10
Drive	rear-wheel drive	
Max. slope	45% (24°)	
Max. slope at the boundaries	20% (11.3°)	
Crossing uneven terrain	35 mm	
Cutting width	190 mm	
Cutting disc	1	
Cutting height	20–60 mm	
Charging time	115 min	135 min
Max. operating time	up to 120 mins	up to 125 mins

Specifications	YUKA mini 2	
	800	1000
Automatic charging	Yes	
Positioning and navigation	Triple-Camera AI Vision system	360° LiDAR Module & AI Vision
Obstacle avoidance	Triple-Camera AI Vision System	360° LiDAR Module & AI Vision
Voice Assistants	Alexa & Google Home	
Connectivity	4G & Bluetooth & Wi-Fi	
A-weighted sound power level	LWA=65 dB, KWA=3 dB	
A-weighted sound pressure level	LPA=57 dB, KPA=3 dB	
Water resistance	IPX6 (in operating position)	
Rain sensor	Yes	
OTA updates	Yes	
GPS protection and tracking	Yes	
Geo-fence Alarm	Yes	
Vision Geo-fence	Yes	
Vision Monitoring	Yes	

Specifications	YUKA mini 2	
	800	1000
Operating temperature range	5–40 °C	
Storage temperature range	0–40 °C	
Net weight	10.6 kg	10.9 kg
Dimensions	525 x 413 x 281 mm	

9.2 Operating range specifications (for EU models)

Robot

Category	Frequency range (MHz)	Maximum transmitter power (dBm)
BLE	2400–2483.5	<20
Wi-Fi	2400–2483.5	<20
	5550–5700	<20
	5745–5825	<13.98
GNSS	1559–1610	/
	1164–1300*	

*Note: YUKA mini 2 1000 does not support this frequency.

4G Module (Model: MC230)

The table below applies only to the YUKA mini 2 800 model.

Category	Frequency range (MHz)	Maximum transmitter power (dBm)
LTE Band 1	Tx: 1920–1980 Rx: 2110–2170	25
LTE Band 3	Tx: 1710–1785 Rx: 1805–1880	25
LTE Band 7	Tx: 2500–2570 Rx: 2620–2690	25
LTE Band 8	Tx: 880–915 Rx: 925–960	25
LTE Band 20	Tx: 832–862 Rx: 791–821	25
LTE Band 28A	Tx: 703–736 Rx: 758–791	25
LTE Band 28B	Tx: 718–748 Rx: 773–803	25
LTE Band 38	Tx: 2570–2620 Rx: 2570–2620	25
LTE Band 40	Tx: 2300–2400 Rx: 2300–2400	25

9.3 Battery technical specifications

Parameters	YUKA mini 2	
	800	1000
Adapter	Model: TS-A081-2703002 Input: 100–240 V AC, 50/60 Hz, Max. 2 A Output: 27 Vdc, 3 A, 81 W	Model: TS-A081-2703002/ ADS-81EJ-27-5 Input: 100–240 V AC, 50/60 Hz, max. 2 A Output: 27 Vdc, 3 A, 81 W
Battery	21.6 Vdc, 4.5 Ah, 97.2 Wh	21.6 Vdc, 6.1 Ah, 137.76 Wh
Battery model	MWBT06S02P-03	MWBT06S02P-01/MWBT06S02P-06
Robot	Input: 27 Vdc, 3 A	
Charging base	Model: CHG2310 Input: 27 Vdc, 81 W Output: 27 Vdc, 3 A	
Temperature during charging	4–45 °C	
WARNING: Use only the original Mammotion power adapter and battery.		

8 Warranty certificate

Model:
Serial No.:
Date of sale:
Dealer's stamp:

This warranty certificate applies to products imported into the Czech Republic by BLAKAR trading s.r.o., business address: Azalková 1272, 252 42 Jesenice, Company ID: 282343391, VAT No.: CZ28234391.

WARRANTY TERMS

- A quality warranty is provided for the product for a period of 36 months from the date of sale to the consumer.
- The warranty covers defects demonstrably caused by faulty materials.
- The warranty does not cover defects caused by transport, failure to follow the operating instructions provided in the manual, poor maintenance, mechanical damage, tampering with the product, or faults caused by power supply failures, incorrect installation, or unsuitable placement (dusty, chemical or otherwise unsuitable environments).
- The warranty does not cover defects caused by normal wear and tear (in the case of batteries, particularly loss of capacity; the battery life is a minimum of 6 months from the date of sale, or wear and tear mowing blades, mowing discs, tyres, wheels, etc.).
- To claim under the warranty, proof of purchase must be presented (e.g. an invoice, receipt or a completed warranty certificate stamped by the seller)

Authorised service centre for the Czech

Republic: BLAKAR trading s.r.o., Azalková
1272, 252 42 Horní Jirčany, Czech
Republic

Tel.: +420 774 737 789, +420 606 839 644

(Mon – Fri 8:00–16:30)

Email: servis@blakar.cz

www.lubasekacky.cz



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