

4 Operation



NOTE

The screens are only for reference. Please refer to the actual ones.

4.1 Preparation

4.1.1 Download Mammotion App

YUKA mini Vision is designed to work with the Mammotion app, please download the free Mammotion app first. You can scan the QR code below to get it from the Android or Apple app stores, or search for Mammotion in these stores.



After installing the app, please sign up and log in. During use, the app may ask you for Bluetooth, Location, and local network access when necessary. For optimal use, it is recommended to allow the above access. For more information, please refer to our Privacy Agreement. Go to Mammotion app > **Me** > **About Mammotion** > **Privacy Agreement**.

If you want to log in with a third-party account, tap  or  on the login page to continue. Mammotion app now supports logging in with Google and Apple accounts.

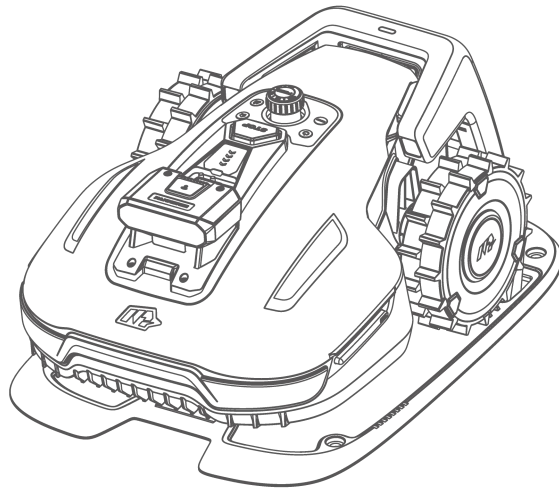
4.2 Add Your Product

NOTE



- Make sure the distance between your phone and the device is less than 3 m (10 ft.).
 - You can skip the Wi-Fi setup if you are using 4G cellular data. It is advisable to also establish a connection to a Wi-Fi network for optimal performance.
-

1. Tap **+** to add your robot.
2. Select **Add**.
3. Follow the onscreen guidelines to set up the device.
4. Follow the onscreen instructions to connect the device and set network successfully.
5. Follow the onscreen instructions to activate the built-in SIM card.



4.3 Activate SIM Card

If you didn't activate the SIM card during the device binding process, you can do so by tapping the Status Bar on the Home page:

1. Tap the **Status Bar** on the Home page.
2. Tap the **4G status** button.
3. Tap **Activate** and wait for the activation to complete successfully.



4.4 Update Firmware

For optimal experience, ensure your devices are updated to the latest firmware version.

➤ To update the firmware

1. Go to **Settings > Device information > Robot version** to update the firmware.
2. Ensure the robot is connected to a stable network.

During the update, please avoid exiting the app, performing other operations, or turning off the robot.

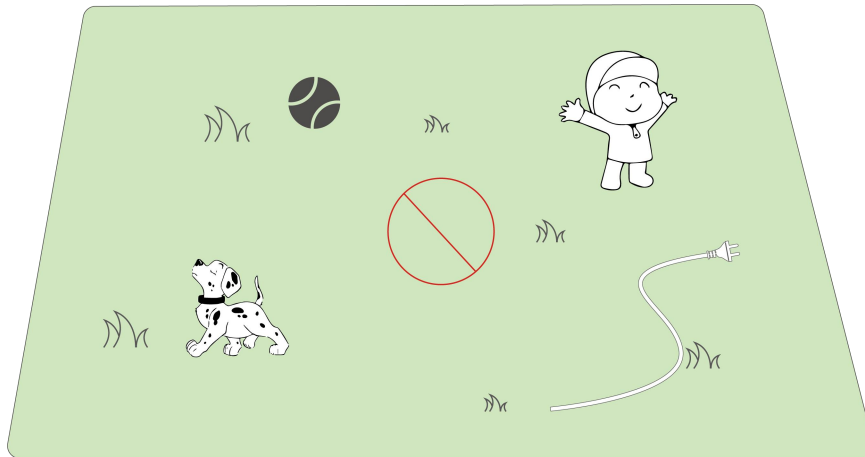


4.5 Create a Map

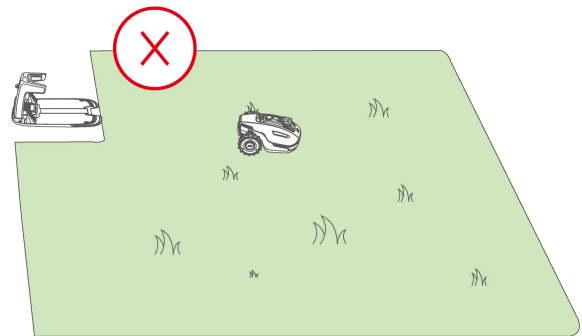
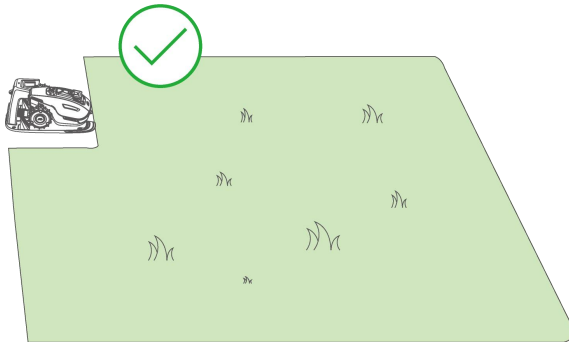
4.5.1 Preparation

Before mapping, it is important to be aware of key considerations.

- Make sure the robot is powered on and your phone Bluetooth is on. Your phone will connect to the robot automatically with a Bluetooth connection.
- Remove debris, piles of leaves, toys, wires, stones, and other obstacles from the lawn. Make sure no children or animals are on the lawn.

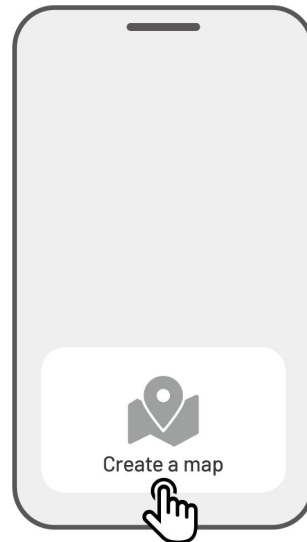


- Ensure the robot is docked at the charging station.

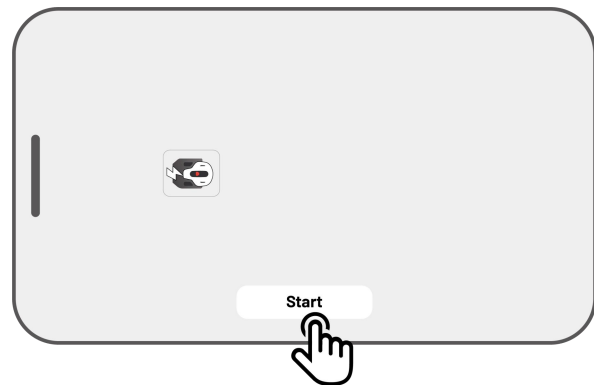


Mark Your Lawn

1. Tap **Create a Map** to start.

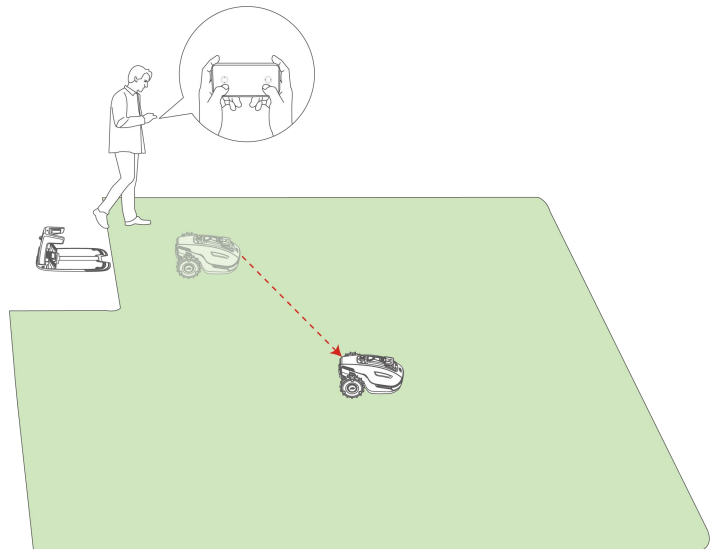


2. Tap **Start** to let the robot undock for calibration and environment checking.

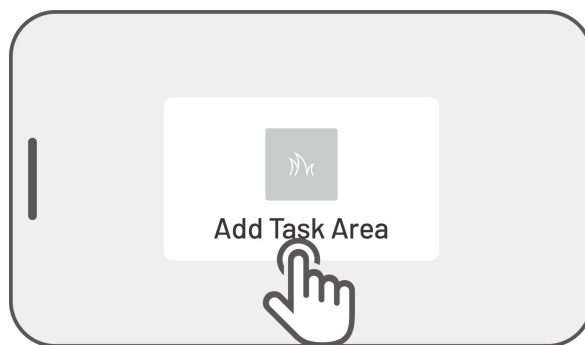


3. Once calibration is complete, manually control the robot to the center of your lawn.

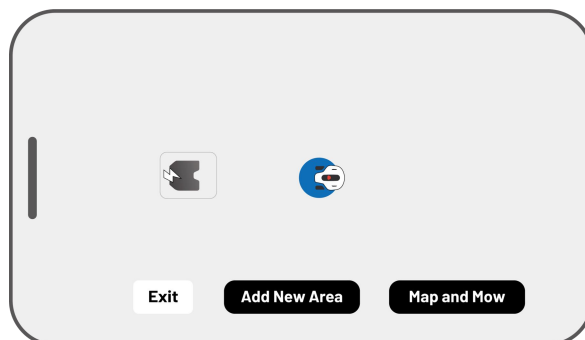
- Move the virtual joystick  up or down to control the robot's forward or backward movement.
- Move the virtual joystick  left or right to turn the robot left or right.



4. Tap **Add Task Area**. The robot will begin automatically exploring the lawn.



5. After the exploration is completed, the first lawn area will be marked.
- Tap **Add New Area** to mark a second lawn if needed.
 - Tap **Map and Mow** to start mowing the marked lawn.
 - The lawn map will be generated as the robot mows.

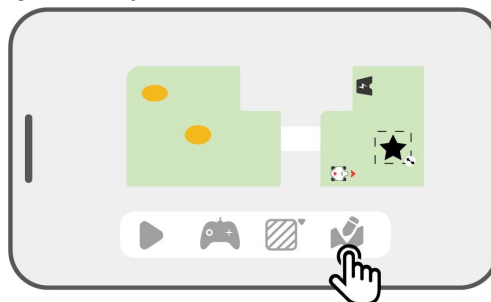


Edit Your Map

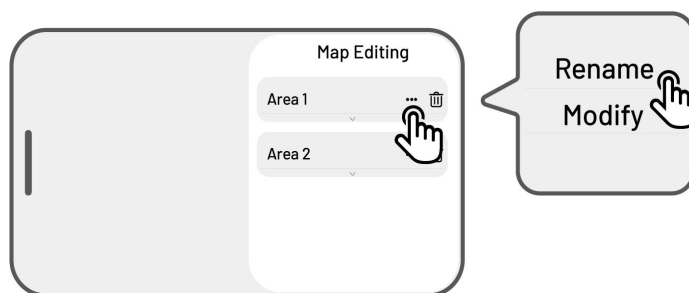
Rename the area

Mammotion allows you to create multiple areas. For easy management, you can rename the area.

1. Tap **Edit** > ●●● to open the popup.



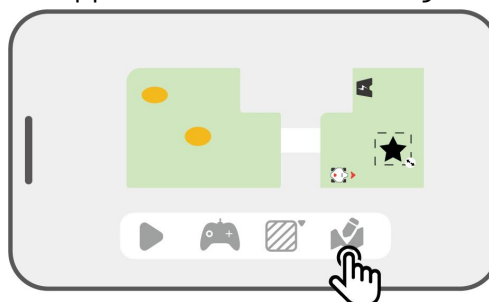
2. Tap **Rename** to set a name for the area.



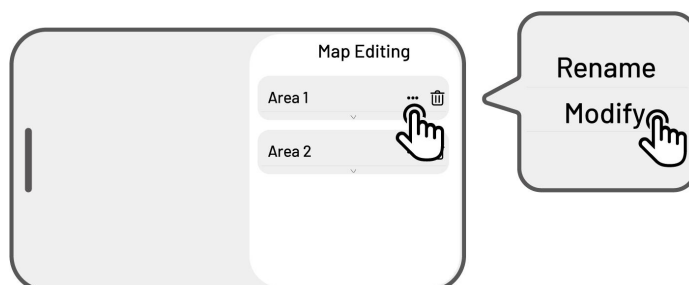
Modify the area

If changes occur in your lawn after mapping, such as planting a tree near the perimeter, the appearance of a hole, or weak positioning signals, you can adjust the mapped area without needing to delete it entirely.

1. Tap **Edit** > ●●● to open the popup.

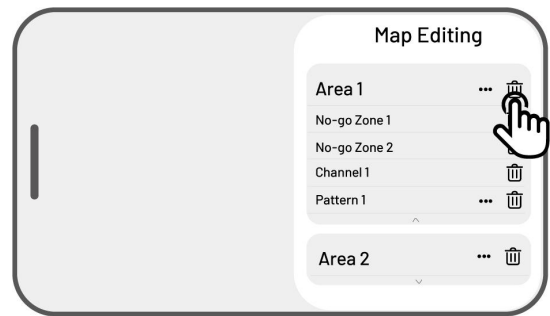


2. Tap **Modify** to re-draw the perimeter.



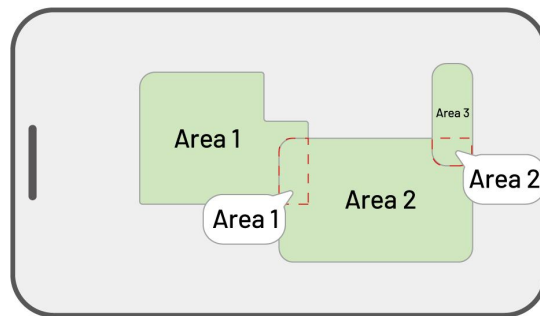
Delete the area/no-go zone/channel/pattern

To delete an area, no-go zone, channel, dumping spot, or pattern, tap **Edit** > . Deleting an area will also remove all items within it.



4.5.2 Multiple Task Areas with Overlapping

If you have several lawns that overlap, the shared section will be assigned to the task area that was created first. No channel is necessary for two task areas with overlapping sections.



4.6 Mow

4.6.1 Preparation

- If any unexpected problems arise, please press the **STOP** button and secure the robot. The STOP button holds top priority among all commands.
- If the lift sensor is activated, the robot will come to a halt. Please press the **Grass** button followed by the **START** button to activate the robot.
- Please mow the task area no more than once a day as doing so may be harmful to your lawn.

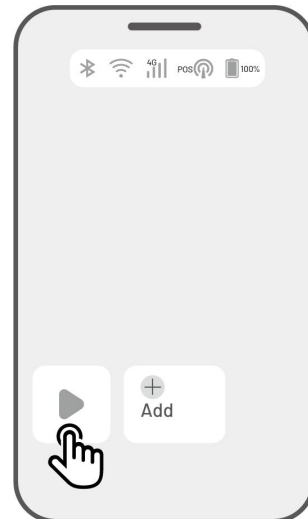


IMPORTANT

Adjust the cutting height by manually pressing down and turning the **Cutting Height Adjustment Knob** on the robot before mowing.

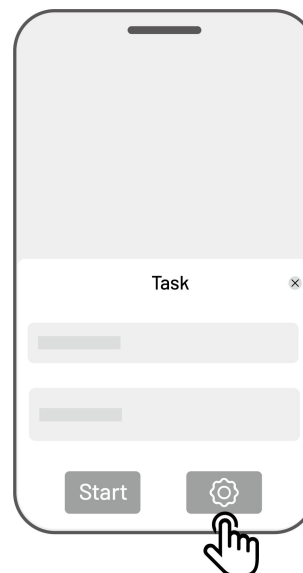
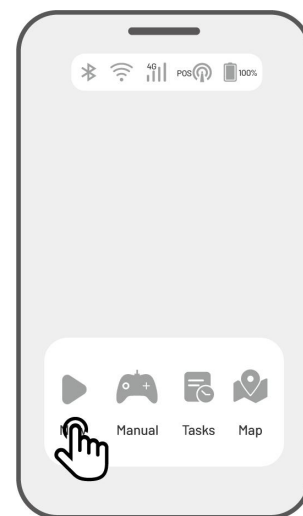
4.6.2 Start Mowing

If you prefer not to set parameters, simply tap  on the Home page to quickly start mowing.



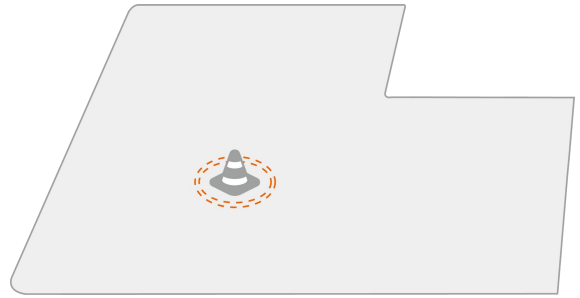
If you prefer to customize settings before working:

1. Tap the robot image to enter the Map page.
2. Tap **Mow**  to access the task page.
3. Select the area that you want to mow.
4. Tap  to configure the parameters.
5. Tap **Save** to apply the settings.
6. Tap **Start** to commence mowing, or tap **Save** to create a task schedule.



- **No-go zone perimeter mowing**

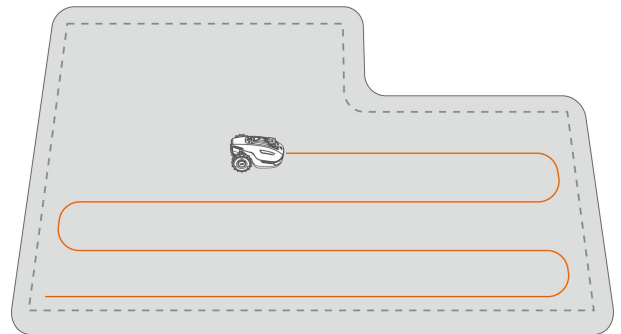
The robot will mow the no-go zone perimeters two circles when enabled.



- **Cutting path mode**

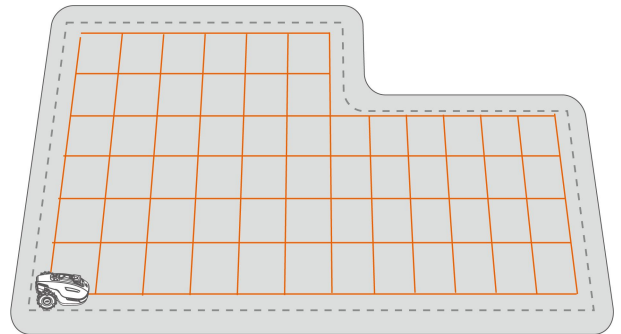
1. **Zigzag path**

The robot will mow in straight and single rows.



2. **Chess board path**

The robot will work in straight rows both horizontally and vertically.



- **Start progress**

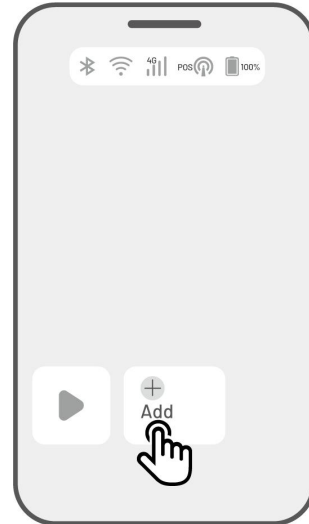
The robot will start working from the set percentage.

4.7 Task Schedule

With the Schedule function, you can set a regular task and the robot will automatically do its work according to your setting.

4.7.1 Set a Schedule

1. Tap **Add** on the Home page or tap **Tasks** on the Map page to enter the Task page.
2. Select the area that you want to mow.
3. Tap  to configure the parameters.
4. Tap **Save** to apply the settings.
5. Tap **Start** to commence working, or tap **Save** to create a task schedule.



NOTE



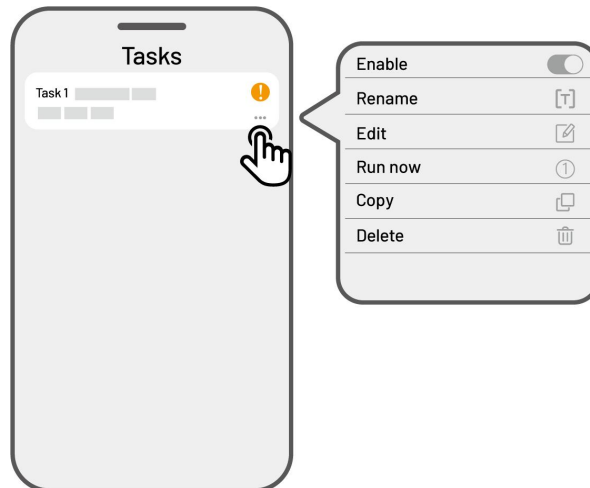
- The task schedule adding is temporarily disabled when the robot is working.
 - A schedule can be set after a task area has been created.
 - See [Task Settings](#) for detailed information on parameters.
-

4.7.2 Edit a Schedule

Tap **Tasks** on the Map page to access the schedule list. Tap **⋮** on the schedule you set to open the drop-down menu.

- **Enable** — toggle the button  to off  to inactivate the schedule if needed.
- **Rename** — tap to change the name of the schedule.
- **Edit** — tap to change the schedule.
- **Run now** — tap to run this schedule immediately.
- **Copy** — tap to create a new schedule with the same settings while keeping the original schedule, then choose one to edit.
- **Delete** — tap to delete the schedule.

If the exclamation mark  appears, it indicates that the task schedule cannot be performed due to errors. Tap the exclamation mark for more details.



4.8 View Status

Tap the **Status Bar** to view the device status.

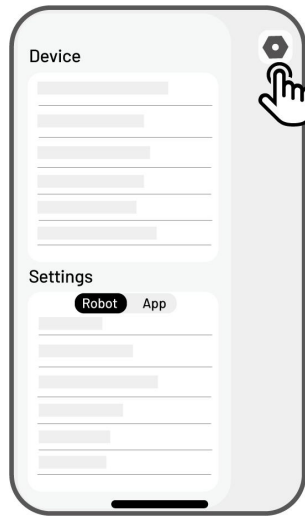


Icon	Name	Description
	Bluetooth	Indicates the Bluetooth signal.
	Wi-Fi Connectivity	Indicates the connected Wi-Fi signal strength.
	4G Connectivity	Indicates the cellular signal strength.
	Battery Level	Indicates the remaining battery level.
	Vision Module Status	Indicates the vision module status.

- **Vision positioning status** – shows the strength of vision positioning.
 - ✧ **Good** – vision positioning is optimal.
 - ✧ **Bad** – vision positioning is poor.
 - ✧ **Initialization** – vision module is initializing.
 - ✧ **None** – no vision positioning available.
- **Brightness** – shows the strength of ambient light.
 - ✧ **Fine** – ample brightness for vision positioning.
 - ✧ **Dark** – insufficient brightness; vision positioning cannot operate.

4.9 Settings

Click  to enter the Settings page.



4.9.1 Device Settings

- **Device Information**

- ✧ **Device Name** — change the name of the robot.
- ✧ **Model** — indicates the product model name.
- ✧ **Sharing Management** — tap to view your sharing history and share your device with your family.
- ✧ **Robot Version** — check the firmware version of the robot.
- ✧ **Firmware Release Notes** — shows a log of updates and changes made to the device's firmware.
- ✧ **Network Settings** — set the robot network.
- ✧ **Upload Logs** — tap to send your issues and logs to Mammotion to target. You can attach a maximum of 5 images and 1 video.
- ✧ **Factory Reset** — tap to perform factory reset. All the logs and Wi-Fi passwords will be clear.
- ✧ **Maintenance** — shows the information on total mileage, mowing duration, battery cycle, and activation time.
- ✧ **Warranty** — shows the warranty duration and details.
- ✧ **Unbind** — tap to unbind the current robot. A set of the robot can only be associated with one

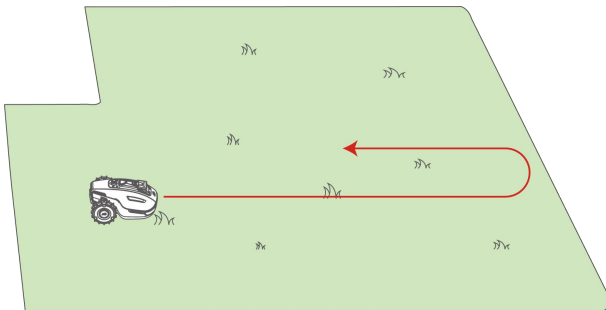
account and cannot be operated until it is bound. If you wish to transfer ownership of the robot, you must unbind it before proceeding.

- **Network Settings** – set the robot network.
- **Task Record** – shows the historical tasks which were completed and uncompleted.
- **Upload Logs** – tap to send your issues and logs to Mammotion to target. You can attach a maximum of 5 images and 1 video.

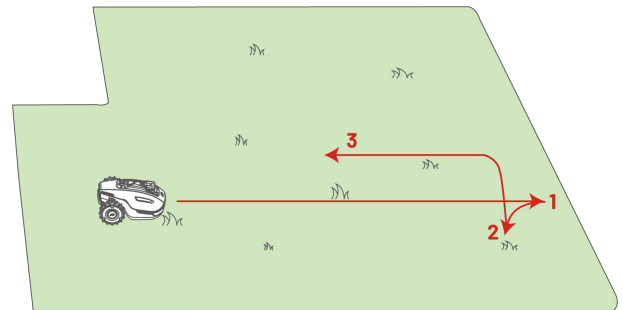
4.9.2 Robot Settings

- ✧ **No mowing on rainy days** – when you enable this function, the robot will not mow if it rains.
- ✧ **Turnaround mode** – provides two ways to turnaround: Zero turn and Multi-point turn.

Zero Turn

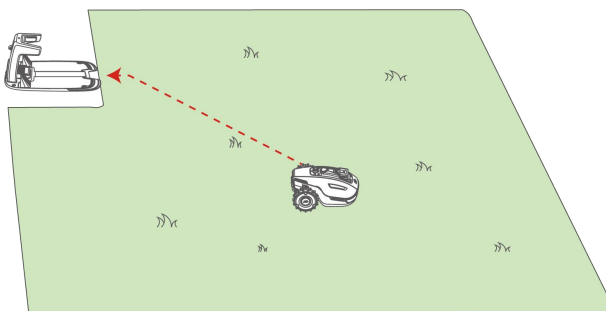


Multi-point Turn

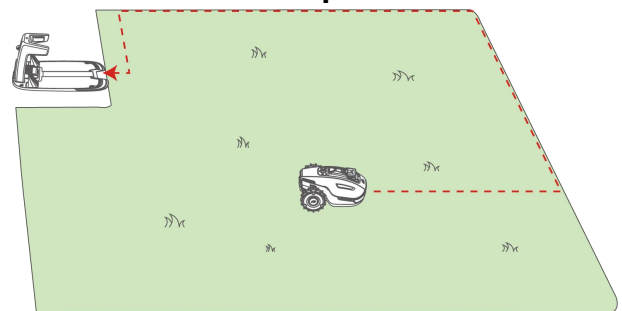


- ✧ **Recharge mode** – provides two ways to charge: Direct and Follow the perimeter. **Direct** means that the robot takes the shortest route to return to the charging station; **Follow the perimeter** means that the robot drives down the perimeter to the charging station.

Direct



Follow the perimeter



- ✧ **Side LED** – tap to turn on/off the side indicator of the robot.
- ✧ **Auto Lighting** – when enabled, the robot's auxiliary light will automatically activate in low ambient light conditions to enhance obstacle avoidance through the vision module.
- ✧ **Non-working periods** – tap to set non-working period.

- ✧ **Delete Map** — tap to delete the existing map.
- ✧ **Relocate charging station** — tap to relocate the charging station. See [Relocate the Charging Station](#) for additional information.
- ✧ **Voice Settings** — tap to switch male and female voice.

Relocate the Charging Station

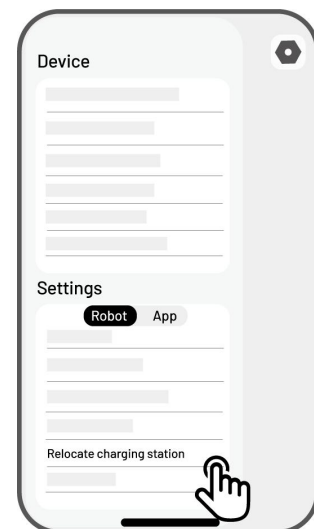


NOTE

Please use the Relocate Charging Station feature while the robot is charging.

Generally, the charging station should be relocated if

- The charging station is moved.
 - The charging station is replaced.
 - The docking path has a significant incline.
 - The recharge process consistently fails.
1. Install the charging station in a proper place.
 2. Place the robot on the charging station and ensure the positioning status is fine.
 3. Select **Settings** > **Relocate charging station**.



4.9.3 Recharge



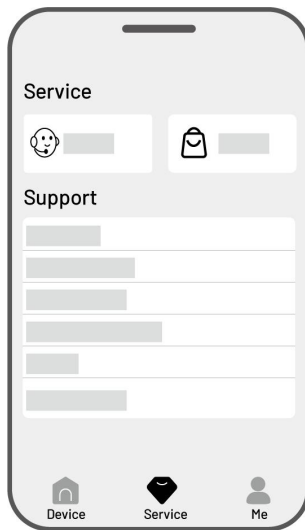
NOTE

When performing the recharge function, the robot must be in the task area.

➤ To Perform Recharge

- Tap on the Map page in the Mammotion app, or
- Press the button on the robot, then press **START** to guide robot to the charging station.

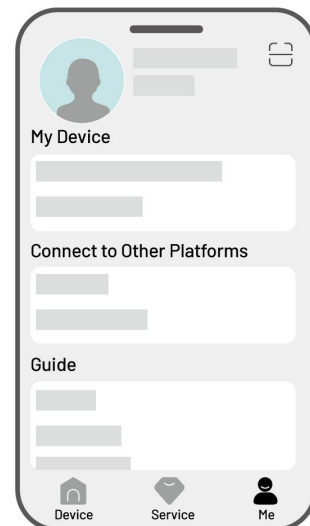
4.10 Service Page



- **Help** – tap to access our customer service.
- **Store** – tap to go to Mammotion mall.
- **Academy** – tap to access user instructions.
- **Tutorial Videos** – tap to access tutorial videos.
- **User Manual** – tap to access the user manual.
- **Winter Maintenance** – tap to access the winter maintenance details.
- **FAQ** – shows common questions and answers.
- **About Us** – tap to access more information about Mammotion.

4.11 Me Page

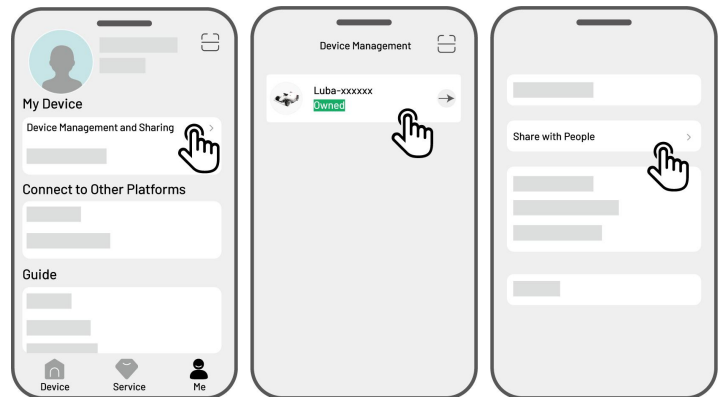
- **Device Management and Sharing** – tap to share your devices.
- **Find My Device** – tap to track your device.
- **Alexa** – tap to link your Alexa account.
- **Google Home** – tap to link your Google Home account.
- **Guide** – toggle to on/off to show/hide guidelines.
- **Language** – switch language.
- **Upload Logs** – submit your issues and logs to Mammotion to target.
- **About Mammotion** – tap to view the app version, User Agreement, and Privacy Agreement.



4.11.1 Share Your Device

Sharing your device allows the recipient to control and access device information, but they cannot share it further or use its anti-theft feature.

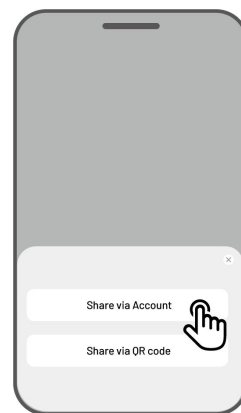
1. Go to the Me page and tap **Device management and sharing**.
2. Select your own device to share.
3. Tap **Share with people** to go on.



4. Select **Share via account** or **Share via QR code** to share your device.

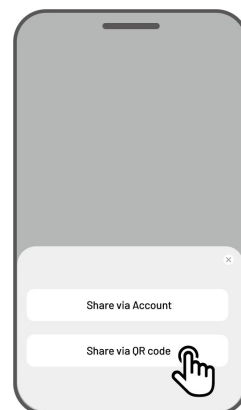
- **Share via account**

- a. Tap **Share via account**.
- b. Enter the account number that you want to share, then tap **Share**.
- c. In the recipient's Mammotion app, tap **Agree** in the popup.



- **Share via QR code**

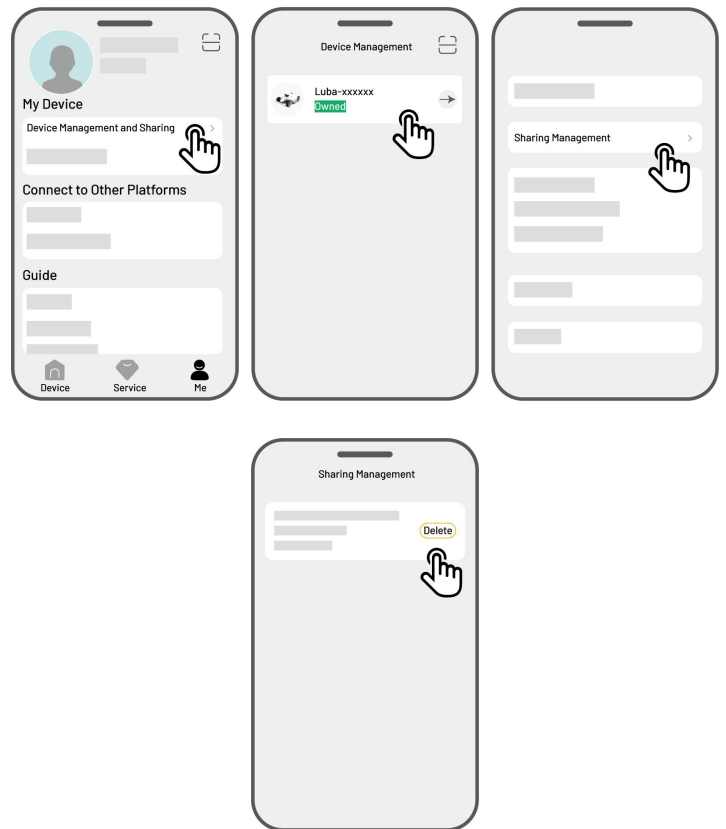
- a. Tap **Share via QR code** and a code will appear.
- b. Use the recipient's Mammotion app to scan the QR code and tap **Agree** in the popup.



4.11.2 Stop Sharing Your Device

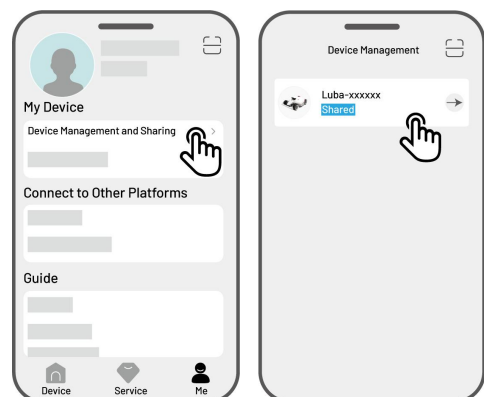
For Owner

1. Go to the Me page and tap **Device management and sharing**.
2. Select the device that you have shared.
3. Tap **Sharing management** to continue.
4. Select the corresponding sharing history and tap **Delete**.
5. Tap **Confirm** to revoke the recipient's access to the device.

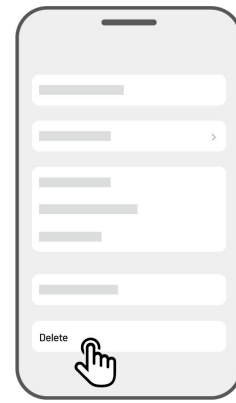


For Recipient

1. Go to the Me page and tap **Device management and sharing**.
2. Select the device that has been shared with you.

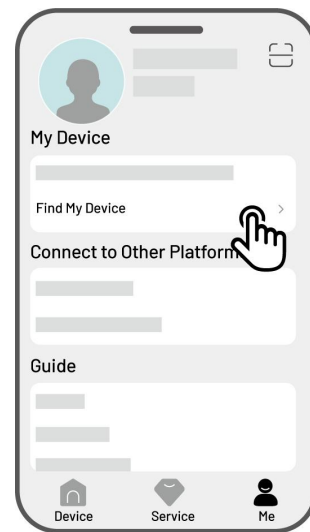


3. Tap **Delete**.
4. Tap **Confirm** to stop using the device. This action will not affect the owner's data.



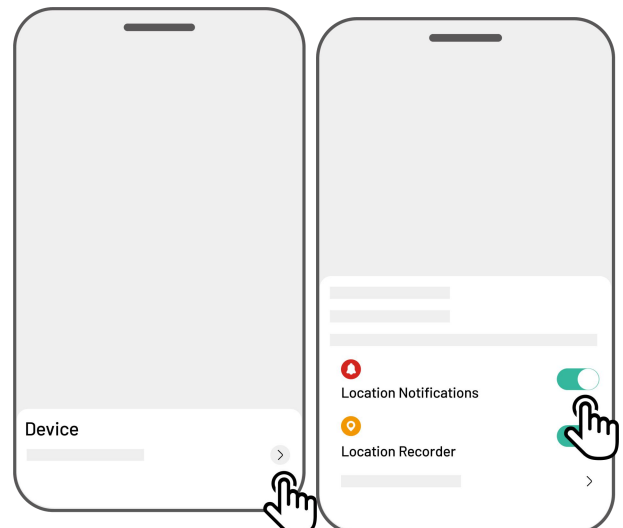
4.11.3 Find My Device

In the case that your Mammotion robot that has been bound with the Mammotion app is missing, go to **Me > Find my Device** to track your device.



Tap the device to enter the next page where you can enable/disable **Location Notifications** and **Location Recorder**.

- **Location Notifications** – You will receive a push notification when the robot is more than 50 meters (164 feet) away from the task area after enabling it.
- **Location Recorder** – Record the location history of the robot after enabling it.



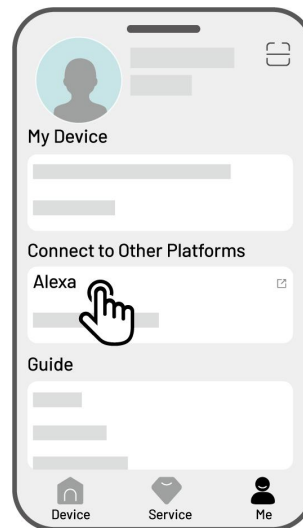
4.11.4 Link Your Alexa Account

NOTE



- Prior to starting a job using voice control, it is necessary to have created at least one task beforehand.
- In cases where more than 2 sets of robots are linked to the same Mammotion account, the voice command will be directed to the most recently bound robot by default.

1. Go to the **Me** page and tap on **Alexa**.
2. Select **YUKA** to proceed.
3. Tap **Link Alexa** to go to the authorization page.
4. Finally, tap **Link** to complete the operation.



Once the linking is successful, you can control the robot with voice commands. Here are some examples for starting, pausing, stopping, recharging, and checking the status:

Start working

- Alexa, ask YUKA to start working
- Alexa, ask YUKA to start task xx (xx means the name of the task you set)

Pause working

- Alexa, ask YUKA to pause
- Alexa, ask YUKA to hold on
- Alexa, ask YUKA to suspend

Continue working

- Alexa, ask YUKA to continue
- Alexa, ask YUKA to resume

Stop working

- Alexa, ask YUKA to stop working
- Alexa, ask YUKA to end the task

Recharge

- Alexa, ask YUKA to recharge
- Alexa, ask YUKA to go home

Check status

- Alexa, ask YUKA status
- Alexa, ask YUKA what it is doing

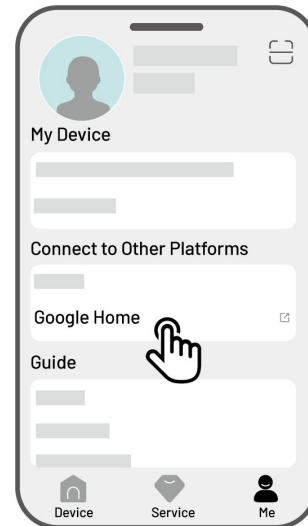
4.11.5 Link Your Google Home Account

NOTE



Prior to starting a job using voice control, it is necessary to have created at least one task beforehand.

1. Go to the **Me** page and tap on **Google Home**.
2. Tap **Link Google Home** to go to the authorization page.
3. Follow the instructions to complete the setup.



After linking succeeds, you can control the robot using voice commands, try the following commands:

Start working

- Hey Google, start mowing
- Hey Google, start the YUKA now
- Hey Google, let the YUKA start running
- Hey Google, make the YUKA start running

Pause working

- Hey Google, pause mowing
- Hey Google, pause the YUKA now
- Hey Google, let the YUKA pause
- Hey Google, make the YUKA pause

Continue working

- Hey Google, continue mowing

-Hey Google, let the YUKA continue

-Hey Google, make the YUKA continue

Stop working

-Hey Google, stop mowing

-Hey Google, stop the YUKA

-Hey Google, let the YUKA stop

-Hey Google, make the YUKA stop

Recharge YUKA

-Hey Google, dock the YUKA

-Hey Google, let the YUKA go home

-Hey Google, make the YUKA go home

Check status

-Hey Google, is the YUKA running?

5 Maintenance

To maintain optimal mowing performance and extend the lifespan of your robot, Mammotion advises performing regular inspections and maintenance weekly. For safety and effectiveness, always wear protective clothing such as trousers and work shoes; avoid wearing open sandals or going barefoot during maintenance.

5.1 Cleaning

WARNING



- Ensure the robot is completely powered off before beginning any cleaning work.
 - Always power off the robot before turning it upside down.
 - When turning the robot upside down, handle it with care to avoid damaging the vision module.
-

5.1.1 Clean Robot

Housing

Use a soft brush or a damp cloth to clean the robot's housing. Avoid using alcohol, gasoline, acetone, or other corrosive or volatile solvents, as they may damage the robot's appearance and internal components.

Bottom

Wear protective gloves while cleaning the chassis and cutting disc. Use a brush to remove debris. Check for blade damage and ensure that the blades and cutting disc can rotate freely. DO NOT use sharp objects to clean the bottom.

Front Wheels

Clean the front wheels using a brush or water hose. Remove the mud if any.

Rear Wheels

Regularly clean the rear wheels with a brush or water hose if they become too dirty.

Vision Camera

Wipe the vision camera lens with a microfiber cloth to remove any stains. A clean lens is crucial for the performance of the vision module.

5.1.2 Clean Charging Station

Use a brush and cloth to clean the infrared transmitter and the charging pin.

5.2 Maintenance for Cutting Blades and Motor

WARNING

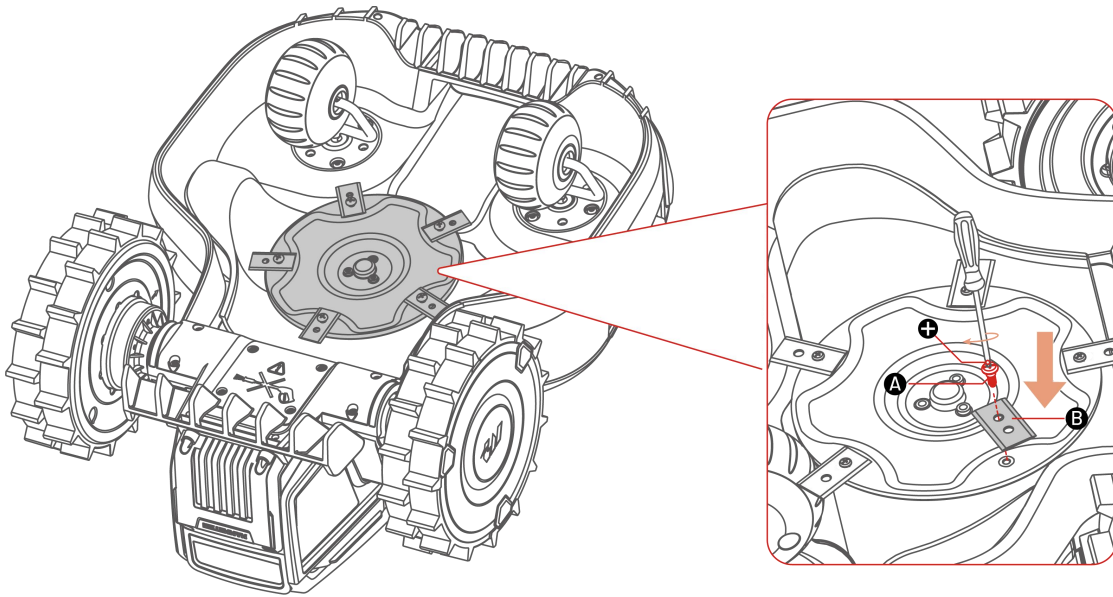


- Always wear protective gloves when inspecting, cleaning, or replacing the cutting blade.
 - DO NOT use an electrical screwdriver to tighten or loosen the cutting disc. Always use the correct screws and original blades approved by Mammotion.
 - Replace all cutting blades and their screws simultaneously to ensure a safe and effective cutting system.
 - DO NOT reuse the screws, which may cause serious injury.
-

- To ensure optimal performance during long-term storage, keep the hub motor shaft dry and clean. Regular maintenance of the motor shaft helps prevent dirt and moisture buildup, which can affect the motor's function. The motor has an expected lifespan of 1500 hours of operation.
- Blades are considered wear parts and should be replaced if they become severely worn. It is recommended to replace the cutting blades every 3 months or after 150 hours of use. For thicker grass, more frequent blade replacement may be necessary.
- Wet grass is more likely to stick to the blades and bottom of the robot, which can impair performance and lead to the need for more frequent cleaning. For optimal performance and long-term lawn health, it is recommended to avoid mowing during heavy rain or when the grass is excessively wet.

How to replace a cutting blade

1. Turn off the robot.
2. Place the robot on a soft, clean surface, ensuring it is in an upside-down position. Please take care not to press on the vision module.
3. Remove the old cutting blades with the included screwdriver with Phillips bit.
4. Install the new cutting blades (**B**) using the included screws (**A**). Ensure that the blades can rotate freely and are securely installed.



5.3 Battery Maintenance

- Maintain the battery fully charged before long-term storage to prevent over-discharge.
- Charge fully every 90 days, even if it is not in use.
- Ensure the charging ports on the robot are clean and dry before storing or charging.

5.4 Winter Storage

To ensure your robot is in optimal condition for the next mowing season, store the robot and charging station properly. If the ambient temperature drops below -20°C (-4°F) during winter, keep the robot and charging station indoors.

5.4.1 Store Robot

- Control the robot off the charging station, ensuring the robot has been fully charged.
- Power off the robot.
- Clean the robot (the housing, wheels, chassis, vision module, etc.) with a damp cloth or soft brush. You can wash the robot if necessary. DO NOT turn the robot upside down to clean its chassis with water.
- Leave the robot to get dry. DO NOT turn it upside down during this process.
- Apply anti-corrosion lubricant to the charging pads. DO NOT apply the chemicals to any other parts of the robot, especially metal contact areas, except for the connectors.
- Store the robot indoors.

5.4.2 Store Charging Station

- Disconnect the power supply.
- Remove the stakes.
- Use a brush and cloth to clean the charging station thoroughly.
- Remove the charging station and the power supply.

- Store the charging station and the power supply indoors.

In the next mowing season, reinstall the charging station, then relocate it (See [Relocate the Charging Station](#) for more information) and remap a channel between the charging station and the task area using the Mammotion app.

6 Product Specifications

6.1 Technical Specifications

6.1.1 General Specifications

Parameters	YUKA mini Vision	
	YMVS1/YMVH1	YMVS2/YMVH2
Mowing Area	700 m ² (0.15 acre)	800 m ² (0.2 acre)
Max. multi-zone Management	15	
Engine	2 Wheel-drive	
Max. Climbing Ability	45% (24°)	
Vertical Obstacle Passing Ability	35 mm (1.4 in)	
Cutting Width	190 mm (7.5 in)	
Cutting Height Adjustment	YMVS1/YMVS2: 20-60 mm (0.8-2.4 in)	
	YMH1/YMH2: 50-90 mm (2-3.5 in)	
Charging Time	180 min	230 min
Mowing Time per Charge	110 min	150 min
Auto-recharge	YES	
Positioning & Navigation	UltraSense AI Vision	
Obstacle Avoidance	UltraSense AI Vision	
Voice Control	Alexa & Google Assistant	
Vision Monitoring	YES	
Connectivity	4G & Bluetooth & Wi-Fi	

Parameters	YUKA mini Vision	
	YMVS1/YMVH1	YMVS2/YMVH2
Charging Station	CHG2310	
Working Speed	0.3 m/s	
A weighted sound power	L _{WA} =62dB, K _{WA} =3dB	
A weighted sound pressure	L _{PA} =54dB, K _{PA} =3dB	
Waterproof	Robot: IPX6 Charging Station: IPX6	
Rain Detection	YES	
OTA Upgrade	YES	
GPS Theft Tracking	YES	
Geo-fence Alarm	YES	
Vision Geo-fence	YES	
Net Weight	10.6 kg (23.4 lbs.)	
Dimensions (L x W x H)	525 x 413 x 281 mm (20.7 x 16.3 x 11.1 in)	

6.1.2 YUKA mini Vision Onboard Operating Bands Specifications (EU)

Operating Frequency		Maximum Transmitter Power
BLE	2400-2483.5MHz	<20dBm
Wi-Fi	2400-2483.5MHz	<20dBm
	5550-5700MHz	<20dBm
	5745-5825MHz	<13.98dBm
LORA	863.1-869.85MHz	<13.98dBm
GNSS	1559-1610MHz	/

6.1.3 YUKA mini 4G Module (Model: MC230) Operating Bands Specifications (EU)

Operating Band	Frequency	Max. Conducted Power
GSM900	Tx:880-915MHz, Rx:925-960MHz	35dBm
DCS1800	Tx:1710-1785MHz, Rx:1805-1880MHz	32dBm
WCDMA Band I	Tx:1920-1980MHz, Rx:2110-2170MHz	25dBm
WCDMA Band VIII	Tx:880-915MHz, Rx:925-960MHz	25dBm
LTE Band 1	Tx: 1920-1980MHz; Rx: 2110-2170MHz	25dBm
LTE Band 3	Tx: 1710-1785MHz; Rx: 1805-1880MHz	25dBm
LTE Band 7	Tx: 2500-2570MHz; Rx: 2620-2690MHz	25dBm
LTE Band 8	Tx: 880-915MHz; Rx: 925-960MHz	25dBm
LTE Band 20	Tx: 832-862MHz; Rx: 791-821MHz	25dBm
LTE Band 28	Tx: 703-748MHz; Rx: 758-803MHz	25dBm
LTE Band 38	Tx: 2570-2620MHz; Rx: 2570-2620MHz	25dBm
LTE Band 40	Tx: 2300-2400MHz; Rx: 2300-2400MHz	25dBm

6.1.4 Battery Specifications

Parameters	YUKA mini Vision	
	YMVS1/YMVH1	YMVS2/YMVH2
Battery charger	TS-A081-2703002 Input: 100-240V~, 50/60Hz, 2A Output: 27Vdc, 3A, 81W	
Battery pack	21.6Vdc, 4.5Ah	21.6Vdc, 6.1Ah
Battery capacity	4.5Ah	6.1 Ah
The temperature range for charging is 4-45 °C / 39-113 °F. Too high temperatures might cause damage to the product.		
WARNING: For the purposes of recharging the battery, only use the detachable supply unit provided with this appliance.		

6.2 Fault Codes

The app notification displays common fault codes along with their causes and troubleshooting steps.

Here lists the most common issues.

Fault Codes	Causes	Solutions
316	The left cutting disc motor is overheating.	The machine will return to normal once the motor has cooled down. This process may take several minutes.
318	The sensor for the left cutting disc motor has failed.	Restart the robot. If the issue persists after a few times of restart, contact the after-sale team.
323	The right cutting disc motor is overloaded.	Check if the cutting disc is jammed and clear it if necessary. Alternatively, raise the cutting height.
325	The right cutting disc motor fails to start.	Check whether the cutting disc is jammed. If not, restart the robot. If the issue persists after a few times of restart, contact the after-sale team.
326	The right cutting disc motor is overheating.	Restart the robot. If the issue persists after a few times of restart, contact the after-sale team.
328	The sensor for the right cutting disc motor has failed.	Restart the robot. If the issue persists after a few times of restart, contact the after-sale team.
1005	Low battery	The robot will continue working after the battery is charged to 80%.
1300	The positioning status is poor.	Await the robot's repositioning.

Fault Codes	Causes	Solutions
1301	The charging station has been moved.	Relocate the charging station.
1420	Timeout occurred while retrieving wheel speed data.	Restart the robot. If the issue persists, contact the after-sale team.
2713	Charging has been stopped due to low battery voltage.	Restart the robot. If the issue persists after a few times of restart, contact the after-sale team.
2726	The battery is overcharged.	Stop charging immediately. If overcharging occurs frequently, contact the after-sale team.
2727	The battery is over discharged.	Recharge the robot.

7 Warranty

Shenzhen Mammotion Innovation Co., Ltd warrants that this product will be free from material and workmanship defects under normal use in accordance with the product materials published by Mammotion during the warranty period. The published product materials include but not limited to user manual, quick start guide, maintenance, specifications, disclaimer, in-app notifications, etc. The warranty period varies among different products and parts. Check the table below:

Component	Warranty
Host and Core	3 Years
Battery	
Charging station	

If the product does not function as warranted during the warranty period, please contact Mammotion customer service for instructions.

- For products purchased from a local dealer, kindly reach out to the dealer first.
- Users must present a valid proof of purchase, receipt, or order number (for Mammotion Direct Sales). The Serial Number of the product is crucial for initiating warranty service.
- Mammotion will make every effort to address concerns through phone calls, email, or online chat.
- In some cases, Mammotion may advise you to download or install specific software updates.
- If issues persist, you may need to send the product to Mammotion for further assessment or to a local Mammotion-appointed service center.
- The warranty period for the product commences from the original date of purchase indicated on the sales receipt or invoice.
- For pre-ordered products, the warranty period begins from the shipping date from the local warehouse.

- Mammotion will need users to arrange the shipment by themselves if users would like to send the products to local service center or Mammotion factory for further diagnosis. Mammotion will repair or replace and send back to users at no cost if the problem falls under the warranty. If not, Mammotion or designated service center may charge a fee accordingly.

Here puts some examples of faults that warranty will not cover:

- Failure to follow the instructions outlined in the user manual.
- If the product arrives damaged during shipment and is not rejected upon delivery, or if no official documentation confirming the damages is provided by the shipping company. Inability to provide evidence of damage occurring during transit.
- Product malfunction due to accidents, misuse, abuse, natural disasters like floods, fires, earthquakes, exposure to food or liquid spills, incorrect electrical charging, or other external factors.
- Damage resulting from using the product in ways not permitted or intended as specified by Mammotion.
- Modification of the product or its components that significantly alters functionality or capabilities without obtaining written permission from Mammotion.
- Loss, damage, or unauthorized access to your data.
- Signs of tampering or alteration on product labels, serial numbers, etc.
- Failure to provide a valid proof of purchase from Mammotion, such as a receipt or invoice, or if there are suspicions of forgery or tampering with the documentation.

8 Compliance

FCC Compliance Statements

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

ISED Compliance Statements

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation,

Sciences et Développement économique Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

(1) L'appareil ne doit pas produire de brouillage;

(2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet équipement est conforme aux limites d'exposition aux radiations IC CNR-102 établies pour un environnement non contrôlé.

RF Exposure Compliance

This equipment complies with FCC/IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body.

Cet équipement est conforme aux limites d'exposition aux radiations IC CNR-102 établies pour un environnement non contrôlé.

Cet émetteur ne doit pas être colocalisé ou fonctionner en conjonction avec une autre antenne ou un autre émetteur. Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.

9 Simplified EU Declaration of Conformity

Hereby, Shenzhen Mammotion Innovation Co., Limited declares that the radio equipment type [Model: YMVS1/YMVH1/YMVS2/YMVH2] is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

<https://mammotion.com/pages/eu-declaration-of-conformity>.



SHENZHEN MAMMOTION INNOVATION CO., LTD

www.mammotion.com

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