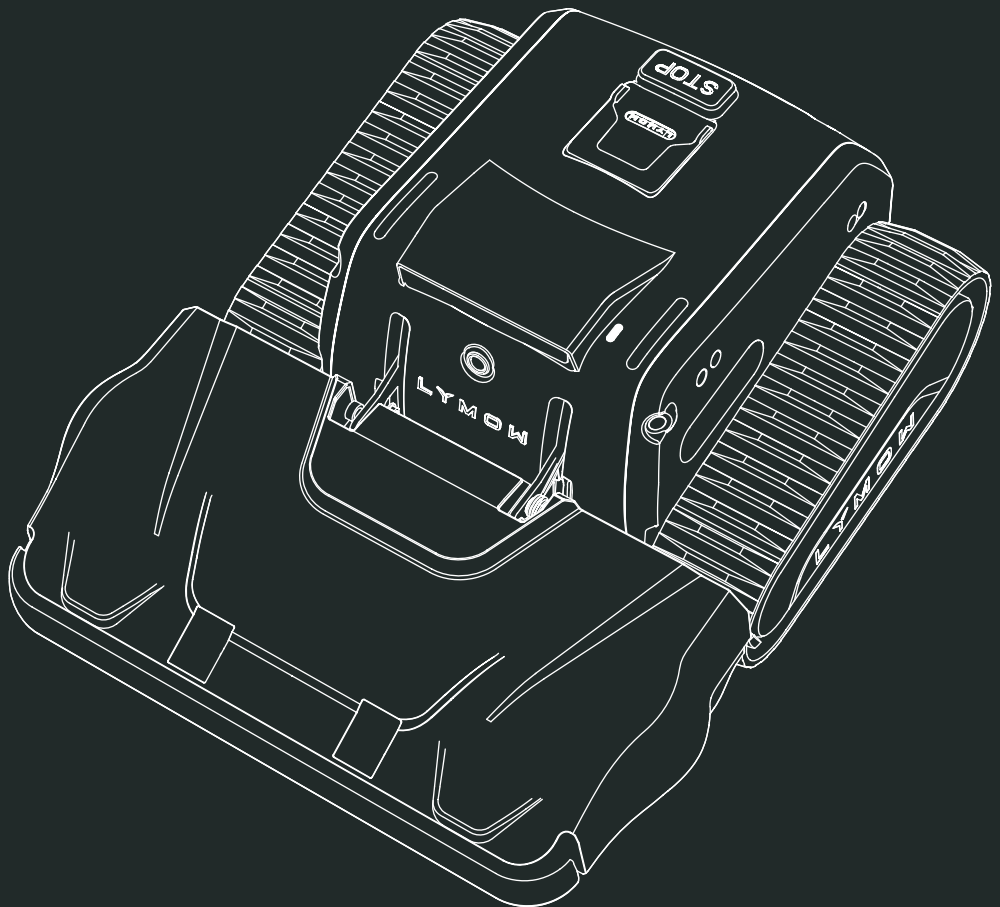


LYMOW

USER MANUAL

LYMOW ONE PLUS



STATEMENT/ DÉCLARATION

Dear user, / Cher utilisateur,

EN Thank you for using the LYMOW lawn mower robot. The Lymow One Plus is a robust and intelligent mower designed for exceptional performance. Its mowing performance is comparable with traditional lawn mowers but navigates without boundary wires. This manual is for the use of Lymow One Plus purchasers only. Please read and fully understand this manual before using the mower.

frCA Merci d'utiliser le robot tondeuse à pelouse LYMOW. La Lymow One Plus est une tondeuse robuste et intelligente, conçue pour une performance exceptionnelle. Ses performances de tonte sont comparables à celle des tondeuses traditionnelles, mais elle navigue sans fils de délimitation. Ce manuel est destiné uniquement aux acheteurs de la Lymow One Plus. Veuillez lire et comprendre entièrement ce manuel avant d'utiliser la tondeuse.

EN If you have any after-sales issues, please feel free to contact us via email.:support@lymow.com
If you would like to see more information, please scan the QR code below.

frCA Si vous avez des problèmes après-vente, n'hésitez pas à nous contacter par courriel : support@lymow.com
Si vous souhaitez obtenir plus d'informations, veuillez scanner le code QR ci-dessous.



User Manual



Tutorial



LYMOW Website



Facebook group

EN If you'd like to stay updated on our latest news, please interact with us on the platforms below—we look forward to hearing from you.

frCA Si vous souhaitez rester informé de nos dernières nouvelles, veuillez interagir avec nous sur les plateformes ci-dessous — nous avons hâte d'avoir de vos nouvelles.



EN P2 - P68

frCA P69 - P135

Lymow Technology Co., Ltd

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1 Safety

1.1 General Safety Instructions

- Read and fully understand this manual before using the Lymow One Plus robotic lawn mower.
- Use the mower strictly for its intended purpose of lawn mowing. Any other usage may lead to a significant risk of injury or property damage.
- Using the mower for purposes other than mowing can cause serious injury. To avoid risks of injury, please read and understand all the warnings and instructions. While following the instructions in this manual can reduce hazards, it cannot eliminate them entirely. The operator or user is responsible for any accidents or hazards involving others on their property.
- Keep children, pets, and unauthorized individuals away from the mower during operation.
- Inform neighbors and visitors of the mower's presence, especially if operating in areas accessible to others.
- Never allow children, persons with reduced physical, sensory, or mental capabilities, persons lacking in experience or knowledge, or anyone unfamiliar with these instructions to use the mower. Local regulations may restrict the age of the operator. Children should be supervised to ensure that they do not play with the appliance.
- The manufacturer recommends that the operator have sufficient physical capability and cognitive ability to safely control the machine. Be sure to get the necessary training before operating the mower.
- Only use accessories and replacement parts recommended by the manufacturer.
- Do not attempt to modify the mower on your own. Modifications could interfere with mower operation, result in serious injury and/or damage, or void the Limited Warranty.
- Do not touch the blade or any moving parts until these components have come to a complete stop.
- Do not use the mower if it shows signs of abnormal operation, such as excessive vibration or noise.
- Power off the mower before performing maintenance or adjustments.
- Use only the supplied charger to recharge the mower's battery to avoid overheating or electrical risks.
- Dispose of batteries in accordance with local regulations.
- The illustrations used in this document are for reference only. Always refer to the actual products.

1.2 Installation Safety Rules

- Install the charging station on stable, dry ground where it will not be a tripping hazard.
- Ensure the charging station is protected from water and placed in a shaded area to prevent overheating.
- Do not place the charging station near flammable materials, and maintain a minimum of 60 cm clearance.
- In regions prone to electrical hazards, connect the power cord to a covered, weatherproof outlet.

1.3 Operation Safety Rules

- Inspect the lawn for objects like rocks, branches, or toys before starting the mower to avoid blade damage.
- Avoid operating the mower in rainy conditions or areas with standing water.
- Do not manually lift or move the mower while it is in operation.
- Press the "STOP" button immediately if the mower approaches people or pets in its path.
- Schedule mowing times to avoid periods when sprinkler systems are active.
- Turn the mower off when not in use to conserve energy and enhance safety.

1.4 Maintenance Safety Rules

- Regularly check that all parts of the mower are functioning properly.
- Always turn off the mower, disconnect the battery and disconnect its battery from the charging station before performing any maintenance.
- Use a soft cloth or brush to clean the mower. Always disconnect the battery before cleaning for safety.
- Do not submerge the mower in water.
- Replace blades and other components only with original manufacturer parts.
- Store the mower in a cool, dry location when not in use to prolong its lifespan.

2 Introduction

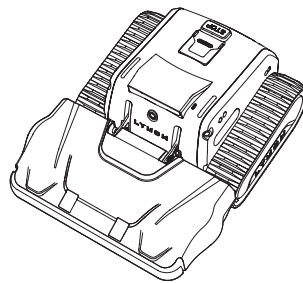
2.1 About Lymow One Plus

Equipped with an integrated **RTK + VSLAM navigation system**, the Lymow One Plus delivers high-precision positioning and reliable mapping even in complex environments. A **Binocular AI vision system**, combined with **ultrasonic sensors**, enables intelligent and responsive obstacle avoidance for safe and autonomous operation.

It features unstoppable tracked treads capable of handling **100% (45°)** slopes, powerful **6000 RPM dual mulching blades** with a **16"/400 mm** cutting path, and a large **528 Wh** battery capacity. The Lymow One Plus can cover up to **0.57 acres/2,300 m²** on a single charge, making it highly efficient for large lawns. It is designed to handle large and complex lawns, ensuring durability and reliable performance across diverse terrains.

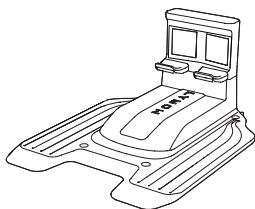
2.2 In the Box

2.2.1 Lymow One Plus kit

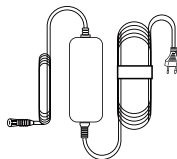


Lymow One Plus

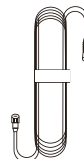
2.2.2 Charging station kit



Charging Station



Charging Station
Adaptor



Charging Station
Extension Cable (10M)

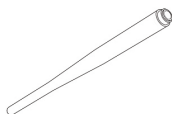


Ground Stake ×4

2.2.3 RTK reference station kit



RTK Reference Station



Radio Antenna



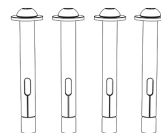
Mounting Pole



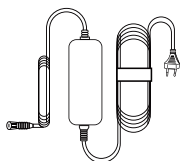
Wall Mount Bracket



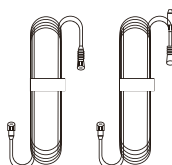
Trident Ground Stake



Expansion Bolt

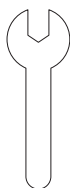


RTK Power Adaptor

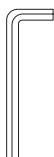


RTK Station Extension Cable (5M) × 2

2.2.4 Tool kit



Wrench 17mm



Allen key 6mm



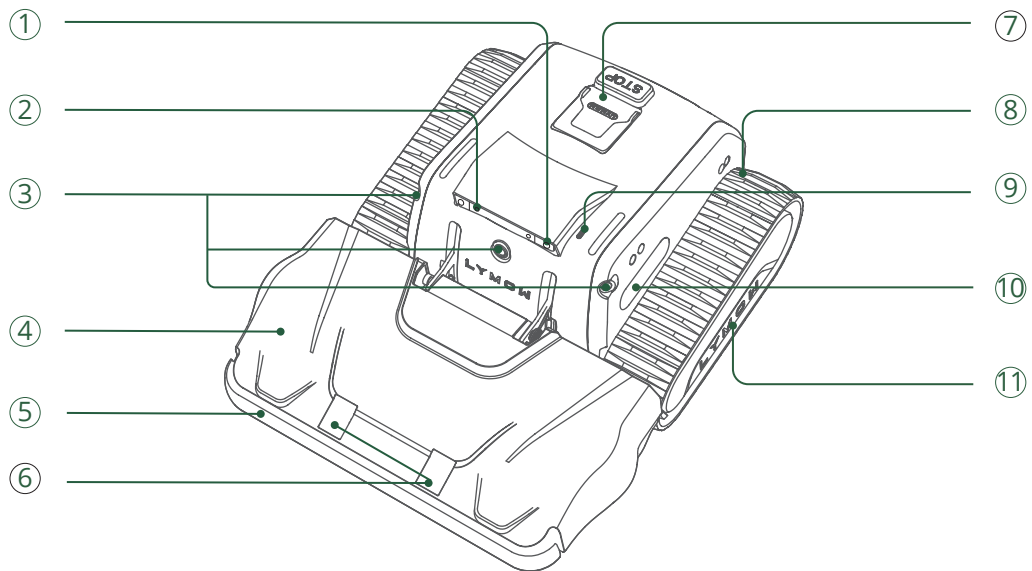
Allen key 5mm



Allen key 4mm

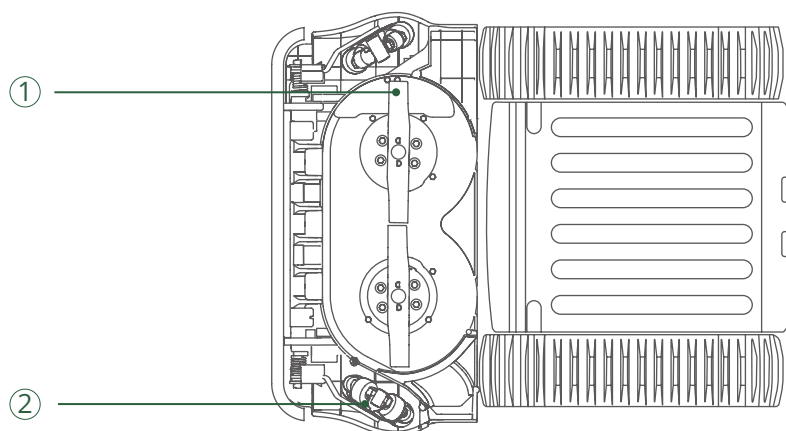
2.3 Product Overview

2.3.1 Lymow One Plus

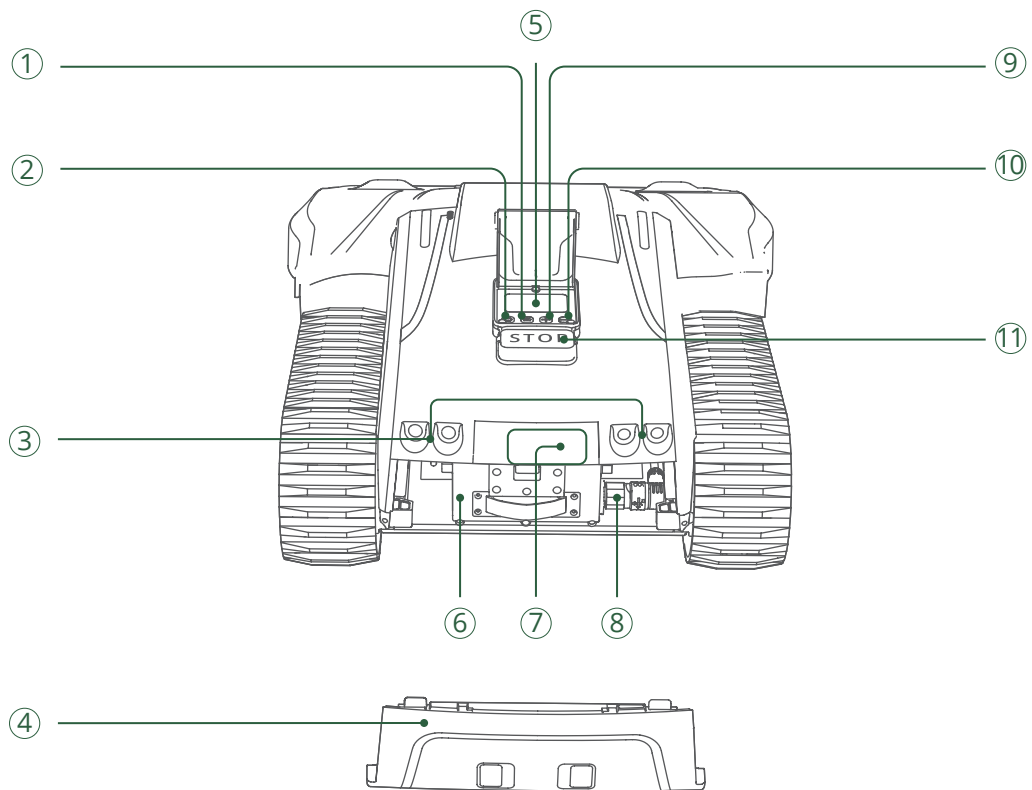


- 1. LED Light
- 2. Binocular AI Vision Camera
- 3. Ultrasonic Sensors
- 4. Deck Module
- 5. Bumper
- 6. Charging Contacts

- 7. LCD Screen cover
- 8. Track Tread
- 9. Rain Sensor
- 10. Handle Bar
- 11. Fender



- 1. Mulching Blade
- 2. Omni Wheel

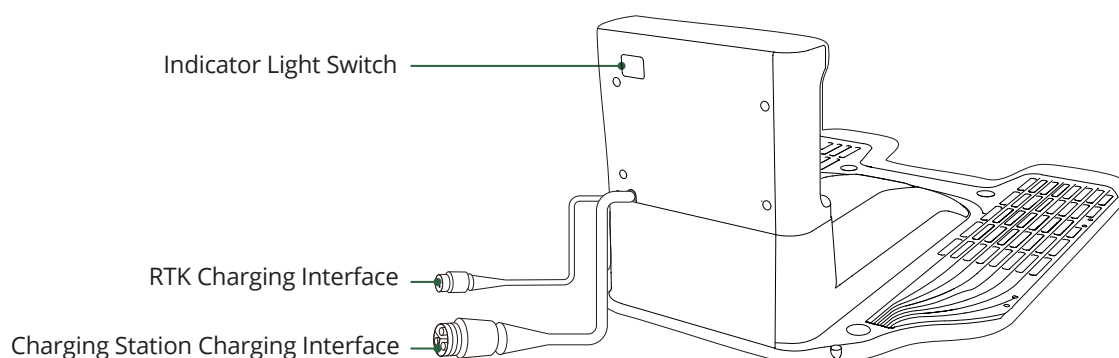
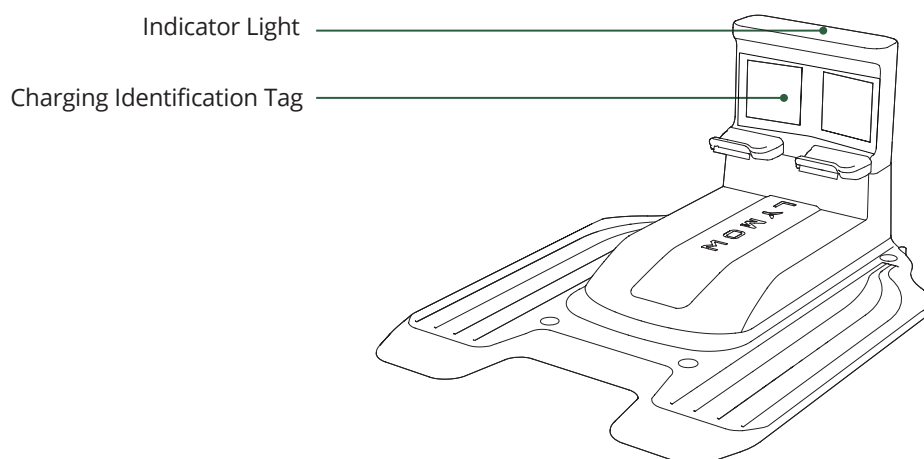


- 1. Home Button
- 2. Power Button
- 3. Ultrasonic Sensors
- 4. Back Cover

- 5. LCD Screen
- 6. Battery
- 7. SIM Card Tray
- 8. Power Port
- USB Port - For trouble shooting and debugging

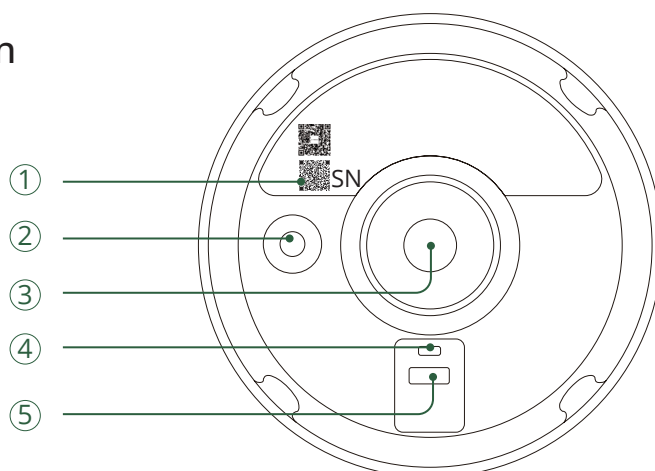
- 9. Lift-up Button
- 10. Lift-down Button
- 11. Emergency Stop Button

2.3.2 Charging station



2.3.3 RTK reference station

1. RTK Binding QR Code
2. Antenna Port
3. Power Port
4. Power Indicator
5. USB Port - For trouble shooting and debugging



2.4 Button & Indicator & LCD Display Icon

NOTE

- Button functions are available only after the PIN code is unlocked. See Section 4.1.2 for details. Once unlocked, the mower will remain accessible without re-entering the PIN code.
- The charging station has a switch on the rear that controls the indicator light, allowing it to be turned on or off as needed.
- If the following error is displayed, refer to Section 4.10.5 for troubleshooting.

Icon	Button	Function
	Power	Long press (2-3s) to power the mower on/off. (When restarting the machine, wait over five seconds after shutdown before resuming.)
	Stop	Press down to immediately halt the mower. Triggers emergency mode. Unlock the PIN code to release the emergency stop state.
	Home	Single press: Start/Pause mowing. Double press: Return to charging dock.
	"+" Button	Short press: Raise cutting deck by 5mm. Long press (3s): Full lift-up.
	"-" Button	Short press: Lower deck by 5mm. Long press (3s): Full downward tilt.

Indicators	Status	Description
Mower Indicator	Breathing green	Normal operating state
	Breathing red	Emergency stop
	Breathing blue	Systematic error/Unknown error
	Breathing yellow	Machine slippage
	Breathing magenta	Deck motor stalls/locked rotor
Charging Station Indicator	Step light effect	Charging in progress
	Flowing light effect	Not properly docked
	Center light on, sides off	Standby mode
	Central light off, sides complementary flashing	Charging error - Overcurrent Protection
	Central light off, sides synchronous flashing	Charging error - Overvoltage Protection
	Central light on, sides synchronous flashing	Charging error - Rainwater Immersion

LCD Display Icon	Description
	Lock PIN Code
	Unlock PIN Code
	Good Communication
	Lose SoC Communication/Deck Communication/Hub Communication
	Normal State
	Emergency State
	Raise Deck up State
	Lowering the Deck State
	Error State
	Initialization Process
	Charging
	Remaining Battery Level

2.5 Symbols on the Product

Symbol	Description
	This product complies with FCC regulations for electromagnetic compatibility and radio frequency emissions in the United States.
	This product complies with the applicable EU Directives.
IPX6	Rated IPX6: Protected against high-pressure water jets from any direction.
	Certified by TÜV Rheinland for safety and compliance with North American standards.
	This product meets the UK Conformity Assessed (UKCA) requirements for sale in Great Britain.
	This product complies with Australian and New Zealand regulatory requirements for electrical safety and electromagnetic compatibility.
	It is not permitted to dispose of this product as normal household waste. Ensure that the product is recycled in accordance with local legal requirements.
	Class III appliance.
	Warning
Made In China	This product is manufactured in China.
	Direct current.
	WARNING: Read the user instructions before operating the product.

	WARNING: Risk of thrown objects. Keep a safe distance from the machine while it is operating.
	WARNING: Do not place hands or feet near or under the cutting blade enclosure. Ensure the mower is powered off and the safety key (or emergency stop) is disengaged before performing any maintenance or lifting the machine.
	WARNING: Do not ride on the product. Never put your hands or feet close to or under the product.
	CAUTION: Heavy package over 60 lbs / 30 kg. Use proper lifting technique or equipment.
	Keep the package upright.
	Use the forklift properly.
	Do not flip the package.
	This product must not be stepped on.
	Protect the package from rain and moisture.
	This product is fragile.
	Store the package away from direct sunlight and extreme conditions.
	Do not cover the product packaging.

3 Installation

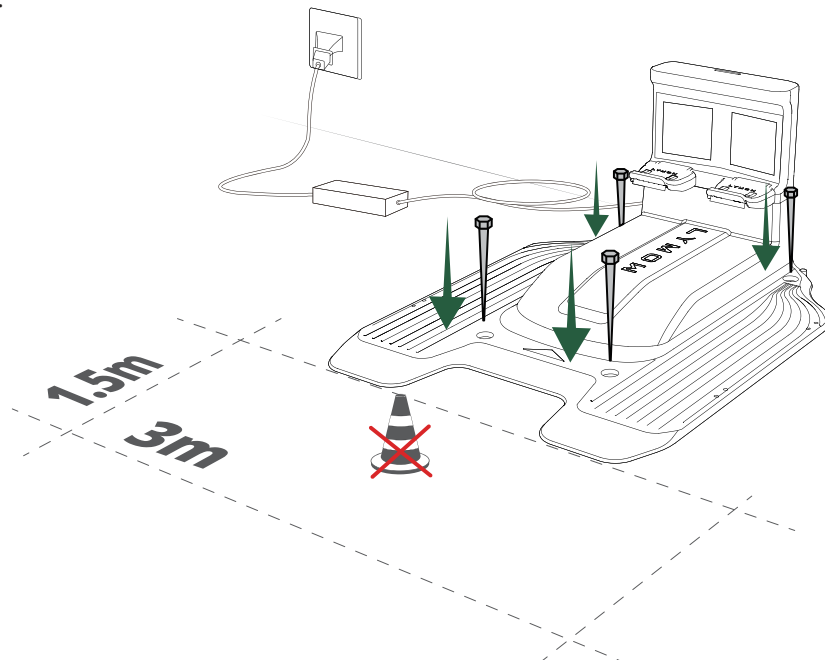
3.1 Charging Station Installation

3.1.1 Choosing a location for charging station

- Place the charging station on on fat, level ground.
- DO NOT install the charging station at the corner of an L-shaped building or on a narrow path between two structures.
- Make sure there is at least 200 mm/8 in of clear space on both sides of the charging station.
- The charging area (1.5 x 3m/5 x 10 ft. in front of the charging station) should be free of obstacles or other items.
- The base plate of the charging station must not be bent or tilted.
- Avoid installing the charging station in areas where water may accumulate. Also, to prevent false docking triggers caused by damp grass, install the station in a dry area.

3.1.2 Installing the charging station

1. Choose a flat and obstacle-free area for placing the charging station.
2. Use the four (4) ground stakes in the positions shown to secure the charging station in the chosen location.
3. Use the 10 m extension cable if needed, based on the distance to the power source. Connect the power adapter to the port on the rear of the charging station. Then, plug the adapter into a grounded power outlet.



3.2 RTK Reference Station Installation

3.2.1 Choosing a location for RTK reference station

NOTE

- During the initial setup in the app, you must scan the QR code on the RTK reference station to complete the binding process.
- If the RTK reference station is installed in a hard-to-reach location (e.g. rooftop or wall), **it is recommended to take a clear photo of the QR code on the base beforehand for easier access during setup**. For details, refer to Section 4.6.
- If the RTK position is moved, the original map must be deleted and rebuilt before use. Relocating charging stations does not require remapping

To ensure optimal positioning accuracy, the RTK reference station must be installed in a location with a clear sky view and minimal signal interference. You can install the RTK reference station on flat, open ground or on an unobstructed wall or roof.

Location Requirements:

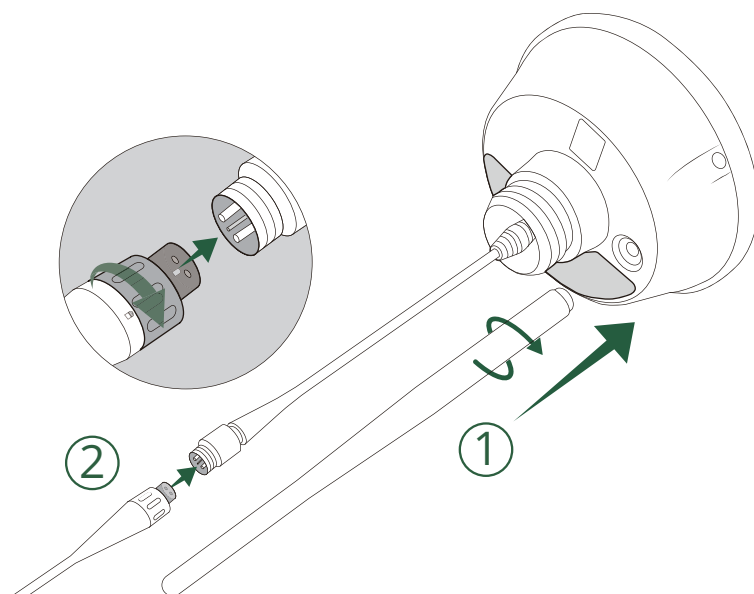
- The RTK reference station should be installed vertically above the ground as shown.
- The RTK reference station should be stable and not prone to shaking or vibration.
- Place the RTK reference station on flat, open ground or on an unobstructed wall or roof. Make sure there are no eaves, trees, or nearby metal surfaces (e.g., iron roofs) that may interfere with satellite signals.
- Do not install the RTK reference station at the corner of an L-shaped building, on a narrow path between two structures, or under a tree.
- If the RTK station is installed near a building, keep it at least **2 m/7 ft. away** from walls or metal surfaces.

3.2.2 Installing the RTK reference station

NOTE

- This device must be professionally installed. Professional installation by a qualified technician is required.
- To maintain compliance, only the antenna types that have been tested shall be used. Please refer to the following list of remote antenna part numbers:
- Remote Antenna Part Numbers:
 - Part Number: TX915-JKD-20
 - Type: SMA-J
 - Max. Gain: 4.36 dBi
- This device requires a significant level of technical and engineering expertise. The tools and relevant technology are not readily accessible or understandable to the average consumer. Therefore, only individuals who have received professional training in this technology are qualified to operate it.
- **If the RTK reference station is wall-mounted and you have taken a photo of its QR code, scan that photo during the binding process. See Section 4.6 for detailed steps of binding.**
- This radio antenna is not sold directly to the public as a standalone product.

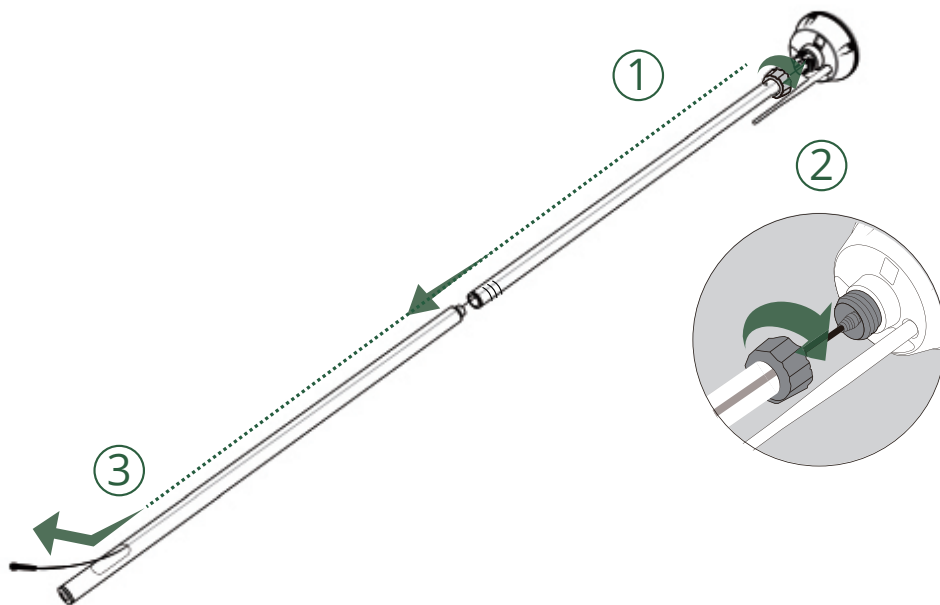
Fix the radio antenna to the RTK reference station.



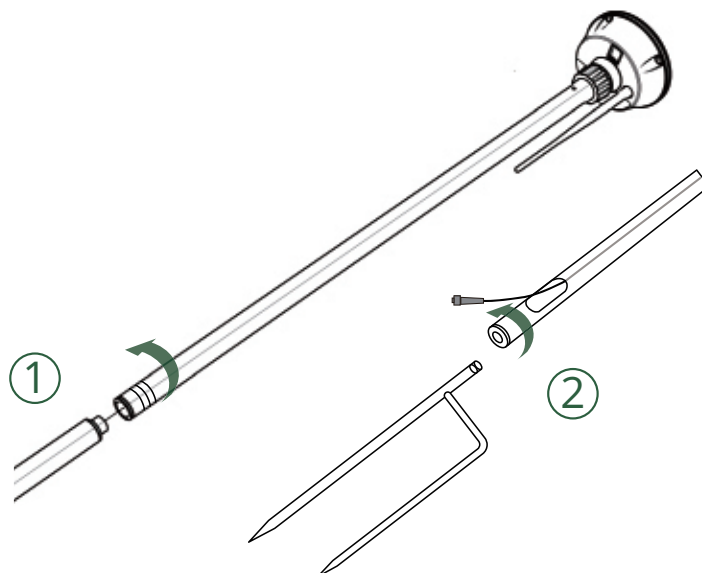
Select one of the following installation methods based on your actual installation environment.

1. Install on the ground

- (1) Connect one 5M cable to the RTK reference station, thread the cable through the upper mounting pole (the section without the cable exit), then attach the pole to the reference station.

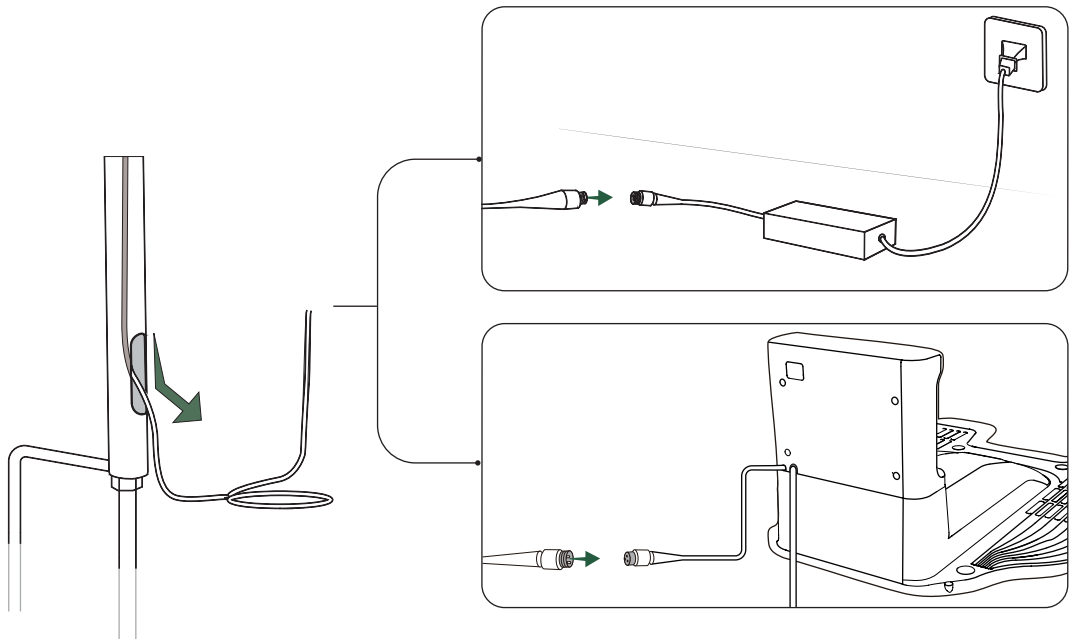


- (2) Thread the cable through the lower mounting pole, ensuring the end is drawn out from the cable exit. Secure the upper and lower poles together. Then connect the lower mounting pole to the trident ground stake.



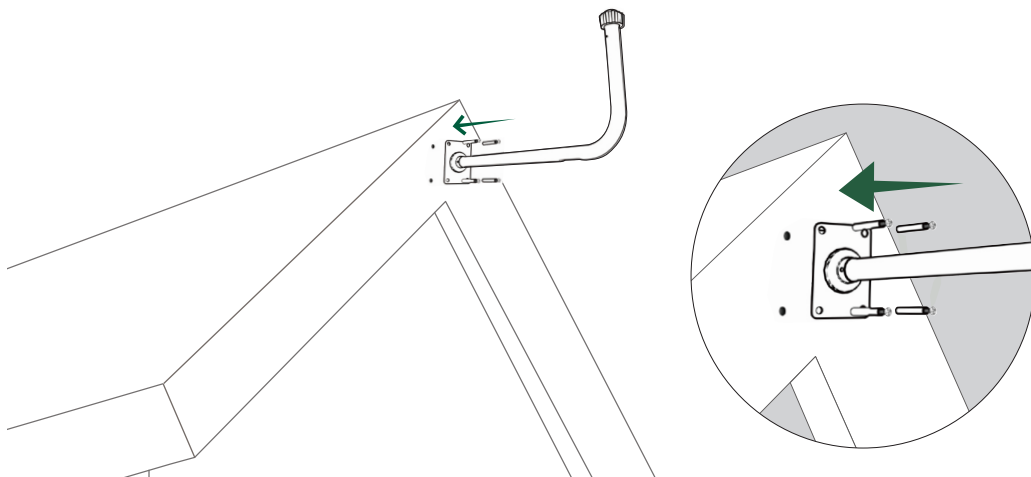
(3) Insert the trident ground stake into the ground (near the charging station); **choose one from the following two options to connect to power based on your needs.**

- a. Connect the straight extension cable to the RTK port on the back of the charging station.
- b. Connect the extension cable to the RTK adapter, then plug it into a power outlet. To prevent water ingress, **keep the outlet cover closed when not in use.**

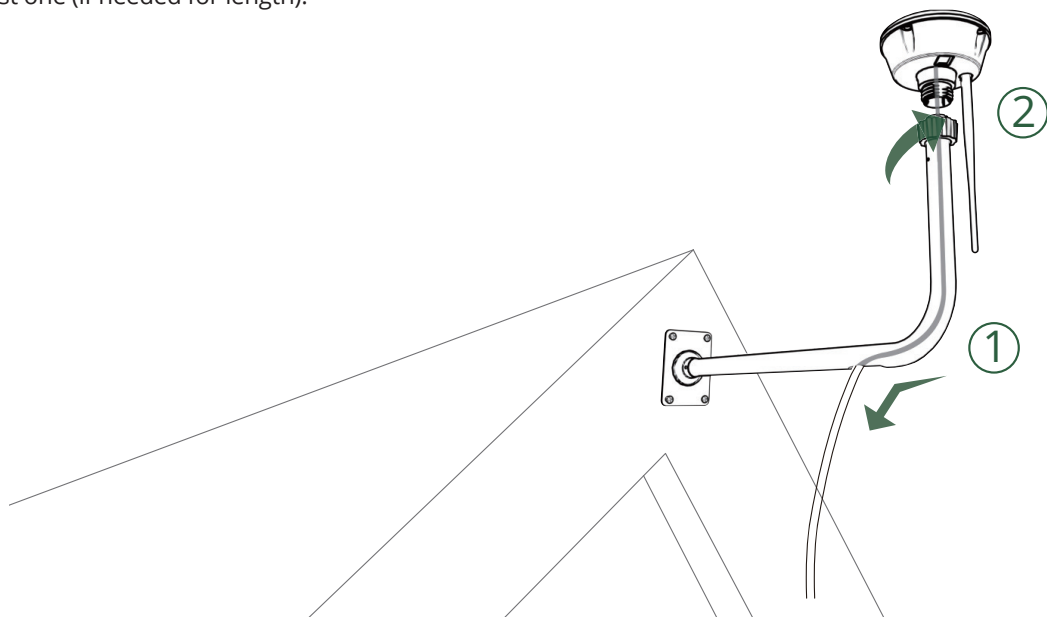


2. Install on a wall/ roof

- (1) Choose a suitable location with a nearby power outlet. Position the RTK wall mount bracket against the wall, mark the drill holes, and drill four holes at the marked spots.
- (2) Attach the RTK wall mount bracket to the wall using the four provided screws, ensuring it is firmly attached with the bend facing upward.

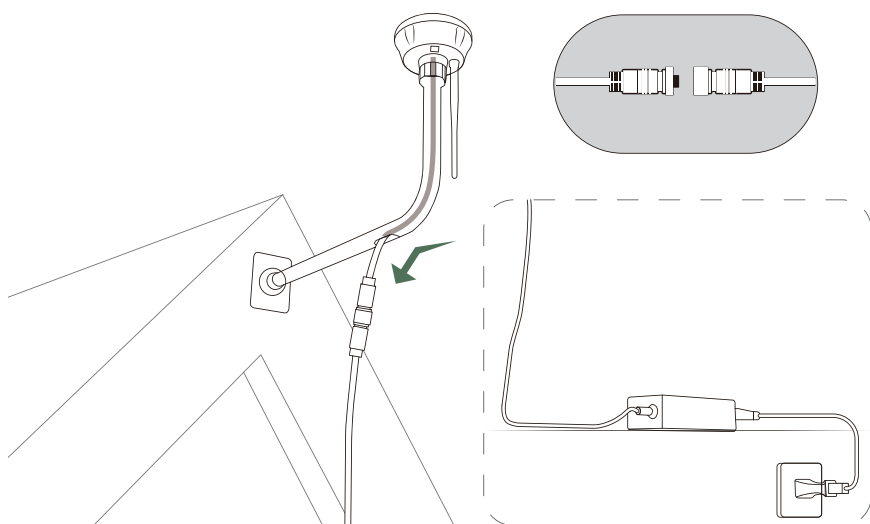


- (3) Connect one 5M cable to the RTK reference station, thread the cable through the wall mount bracket and pull the end out of the exit hole as shown in the picture (Step 1).
- (4) Mount the RTK reference station onto the wall bracket. Then, connect the second 5M cable to the first one (if needed for length).



- (5) Connect the extension cables to the power adapter and plug it in to power the RTK reference station.

- Please see Section 4.6 for binding the RTK reference station.

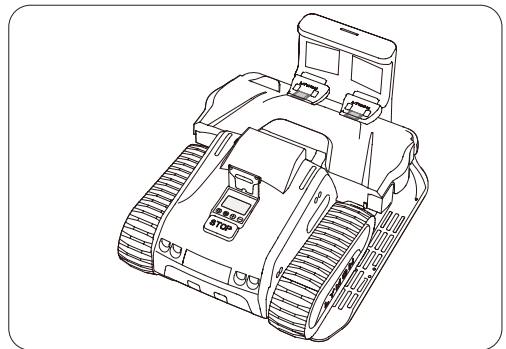
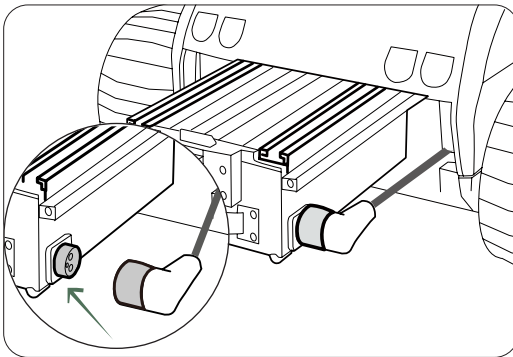


4 Operation

4.1 Setting Up the Lymow One Plus

4.1.1 Power Connection and Charging

- The battery is pre-installed. Remove the battery cover, and **plug in the power cable** as shown to connect the power supply.
- Before using the mower for the **first time, fully charge the battery.**



4.1.2 PIN Code Unlock

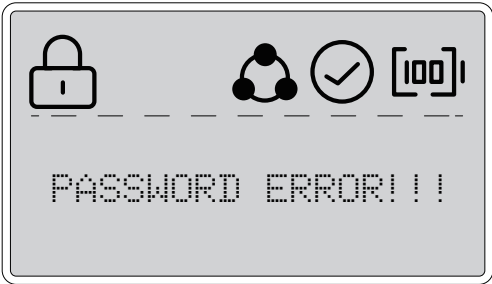
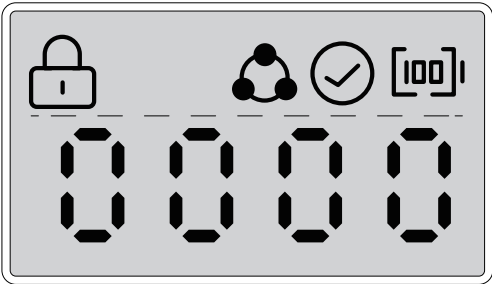
NOTE

- To ensure security, a 4-digit PIN code is required to unlock the mower. The default PIN code is '0000'. It can be customized in the app (see Section 4.10.2).
Note: The device will lock when powered off.
- For interpretation of icons on LCD screen, please see Section 2.4.

Unlocking the Mower Using the Buttons

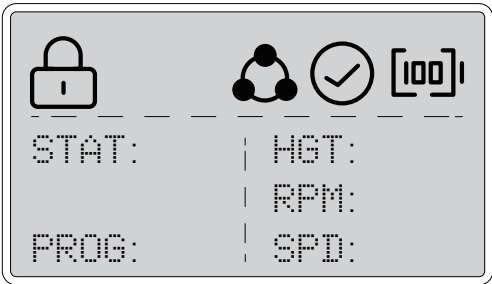
1. Press and hold the power button for 2-3 seconds to turn on the device.
2. Press the "+" button to increase the digit. For example, the digit starts at 0, pressing "+" once will change it to 1, pressing "+" twice will change it to 2, and so on.
 - Press the "-" button to decrease it.
 - After entering a digit, press the "Home" button to move to the next one.
 - Repeat until all four digits are set.
 - Then press the "Home" button again to confirm and unlock.

If a "PASSWORD ERROR" message appears on the screen, wait 3 seconds to return to the unlock interface.



Display after unlocking

1. After unlocking the screen, additional status information will be displayed.
2. The list below contains corresponding interpretations of status displays.



Status Display	Description
STAT: STBY / INIT / MAP/ CUT / E-STOP / ERR	Machine Status: Standby / Initializing / Mapping / Cutting / Emergency Stop / Error • Error status displays ERR XX (error code)
PROG: XX%	Cutting Progress
HGT: XX mm	Cutting Height
RPM: ECO / STD / POWER / MAX	Cutting Speed
SPD: XX m/s	Machine Speed

4.2 Download the Lymow App

NOTE

- App interfaces shown in this manual are for reference only. Actual screens may vary due to updates; always refer to the latest app version.
- All images are based on the English version. Additional language options will be introduced progressively through OTA updates.
- The system language is determined by the region selected during initial registration (see Section 4.3.1). If changes are required, go to **"Me"** in the app to customise.

To get started with your Lymow One Plus, please download the Lymow App first. You can scan the QR code below or search for “Lymow” in the Apple App Store or Google Play Store to download and install the app.



iOS



Android

4.3 Set Up your Lymow Account

4.3.1 Choose your country

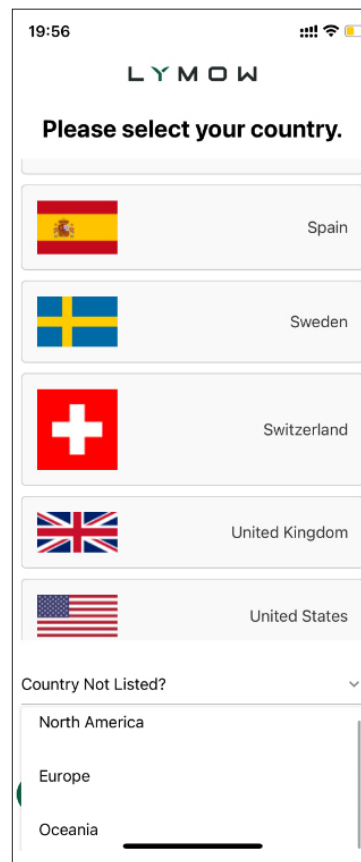
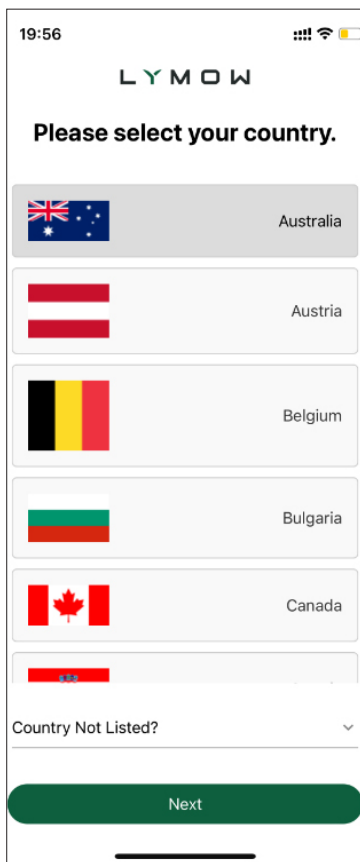
NOTE

- Select the region that matches your actual location and product version. A mismatched selection may affect device pairing and future use.

After installing the Lymow App, the first step is to select your **country or region** based on your actual location.

1. Scroll through the list and select your country.

- a. If your country is not listed, scroll to the bottom and select your **continent** (e.g., Europe, North America, Oceania).

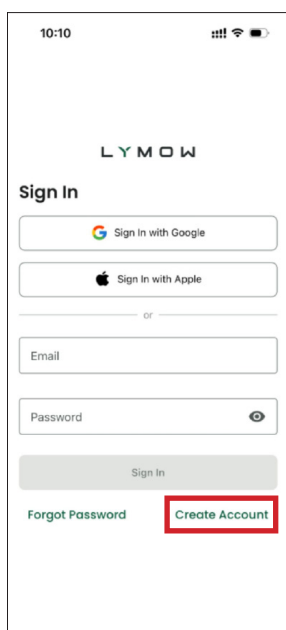


4.3.2 Create an account

NOTE

- If the email used for registration matches your Apple or Google account email, the accounts will be merged. Exception: If you choose “Hide My Email” with Apple Sign-In, your email remains separate.

1. Tap **Create Account** on the login screen.
 - a. Enter your **email address**, then set a **password** and **confirm** it by entering it again.
 - b. Tap **Create Account** to proceed.
 - c. You can also choose **Sign in with Google** or **Sign in with Apple** for quick access.
2. Enter the **verification code** sent to your email to complete registration.
 - a. Tap **Confirm** to complete registration.



10:10

LYMOW

Sign In

Sign In with Google

Sign In with Apple

or

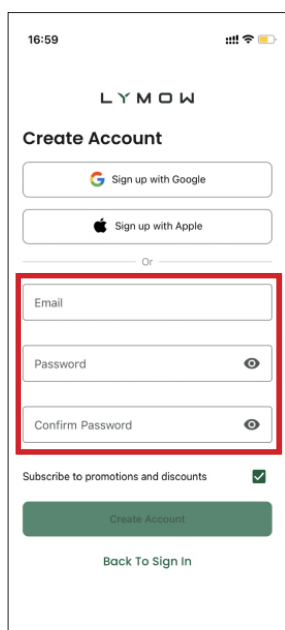
Email

Password

Sign In

Forgot Password

Create Account



16:59

LYMOW

Create Account

Sign up with Google

Sign up with Apple

Or

Email

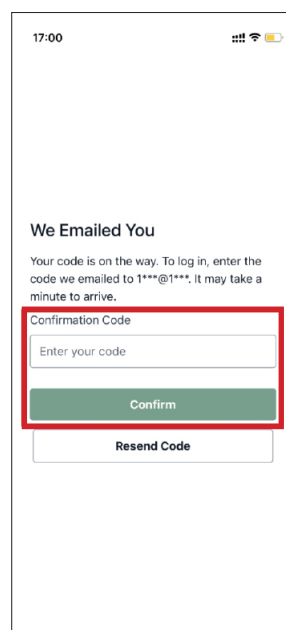
Password

Confirm Password

Subscribe to promotions and discounts

Create Account

Back To Sign In



17:00

We Emailed You

Your code is on the way. To log in, enter the code we emailed to 1***@1***. It may take a minute to arrive.

Confirmation Code

Enter your code

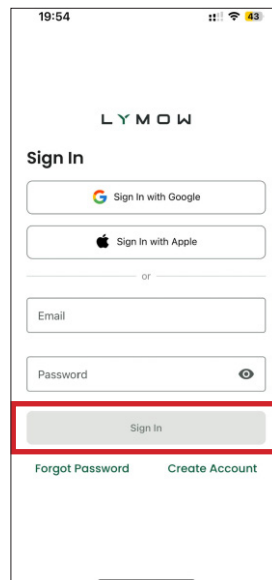
Confirm

Resend Code

4.3.3 Log in to the Lymow App

Enter your **email address** and **password** on the login screen.

- Tap **Sign In** to access your account.
- You can also tap **Sign in with Google** or **Sign in with Apple** if you registered using one of these services.



4.4 Add the Device

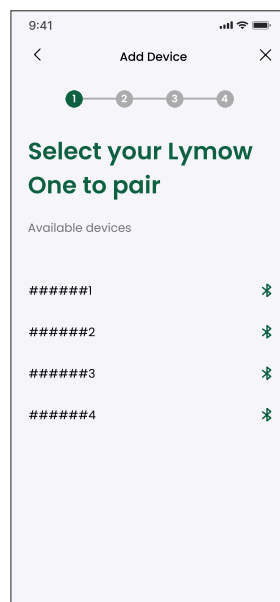
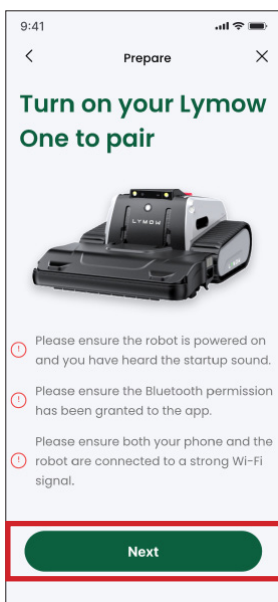
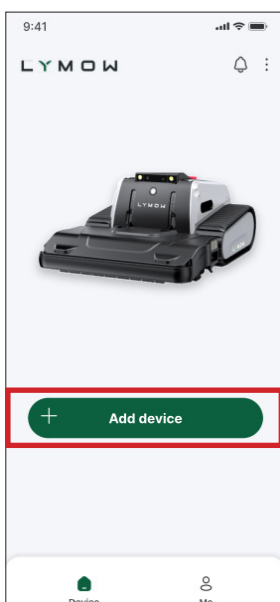
NOTE

- The device will have a default 6-digit name (e.g., "#####"), which corresponds to the last six digits of its serial number.

To begin setup, add your Lymow One Plus to the app via Bluetooth.

- Turn on your Lymow One Plus by pressing and holding the power button for 2-3 seconds.**

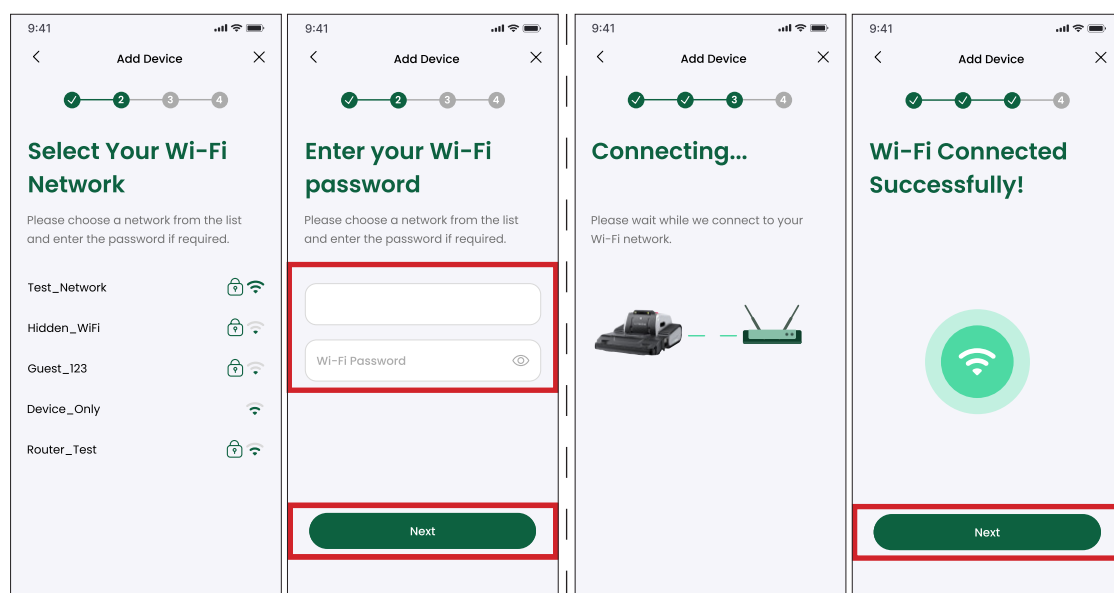
- In the Lymow App, tap **Add Device** on the home screen.
- Follow the on-screen instructions** to begin pairing.
 - Tap to **select your Lymow One Plus** from the list to pair.



4.5 Wi-Fi Connection

After the robot is paired via Bluetooth, the app will guide you to set up a Wi-Fi connection (**Only 2.4 GHz** Wi-Fi networks are supported).

1. **Select a Wi-Fi network** from the list shown on screen.
 - a. **Enter the Wi-Fi password**, then tap **Next**.
2. Once the Wi-Fi connection is successful, tap **Next** to proceed.



4.6 Bind the RTK Reference Station

NOTE

- The RTK binding can be skipped during setup, but it can be completed later in the settings. Binding RTK ensures accurate navigation and positioning for optimal mowing performance.
 - During setup, **it is recommended to verify that the RTK system achieves good initial accuracy**. If poor accuracy is observed at startup, use the remote control feature to move the mower to an open area until accuracy improves. Then restart the device for optimal performance.
- Before creating a map, please ensure the RTK is properly bound and securely positioned. If the RTK unit is moved, all existing maps must be deleted and the mapping process must be restarted.

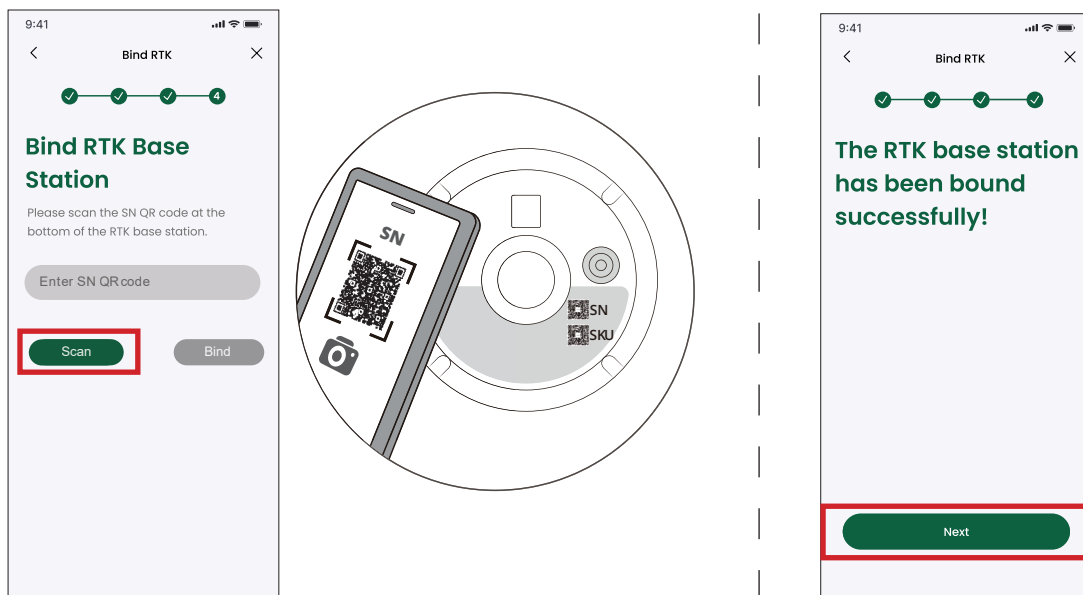
Once Wi-Fi is connected, the app will guide you to bind the RTK reference station, which is essential for precise mapping and mowing.

The QR code for binding is located at the bottom of the RTK reference station.

1. **Scan the SN QR code** on the RTK reference station.

Tip: If the station is wall-mounted, you can select a pre-taken photo of the QR code from your album within the scanning interface.

2. Tap **Bind** to proceed.

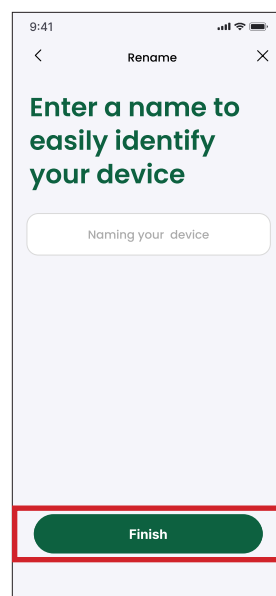


4.7 Name the Device

After binding the RTK reference station, you will be prompted to name your Lymow One Plus.

1. Enter a name for easy identification.

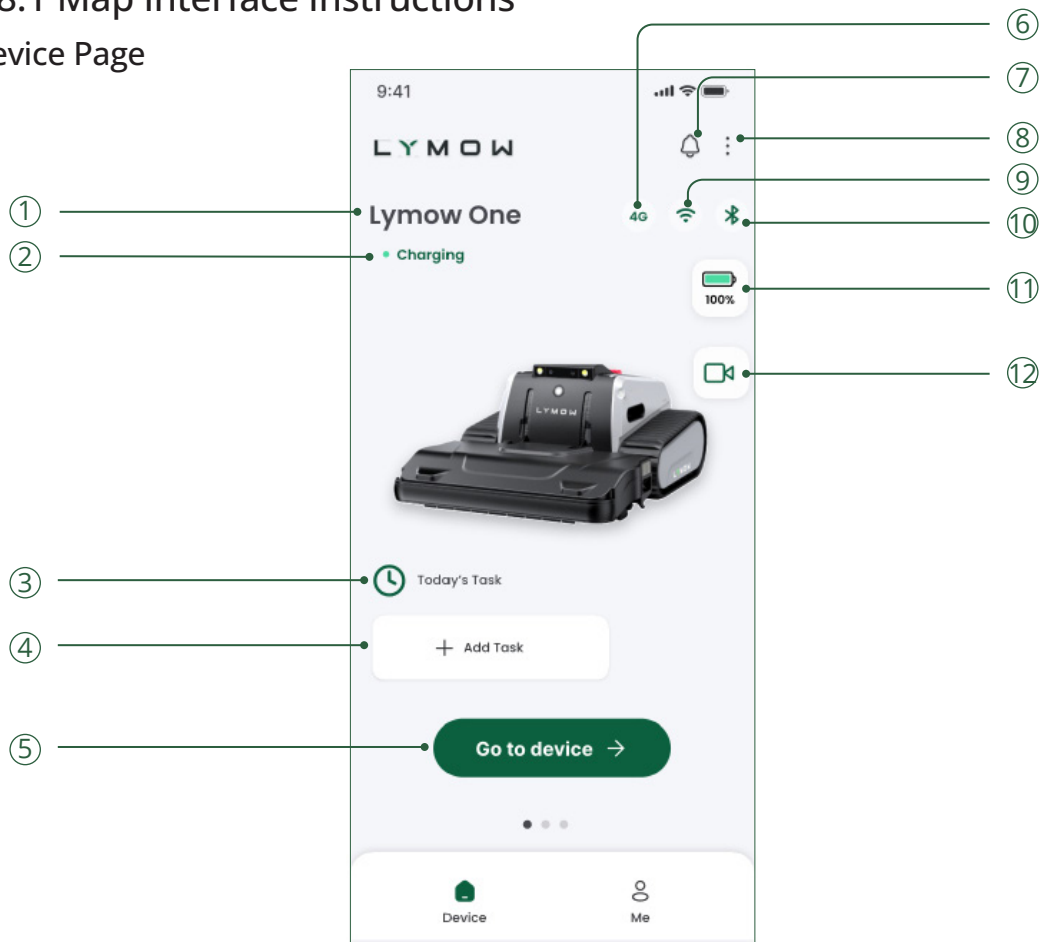
a. Tap **Finish** to confirm.



4.8 Create and Configure a Map

4.8.1 Map Interface Instructions

Device Page



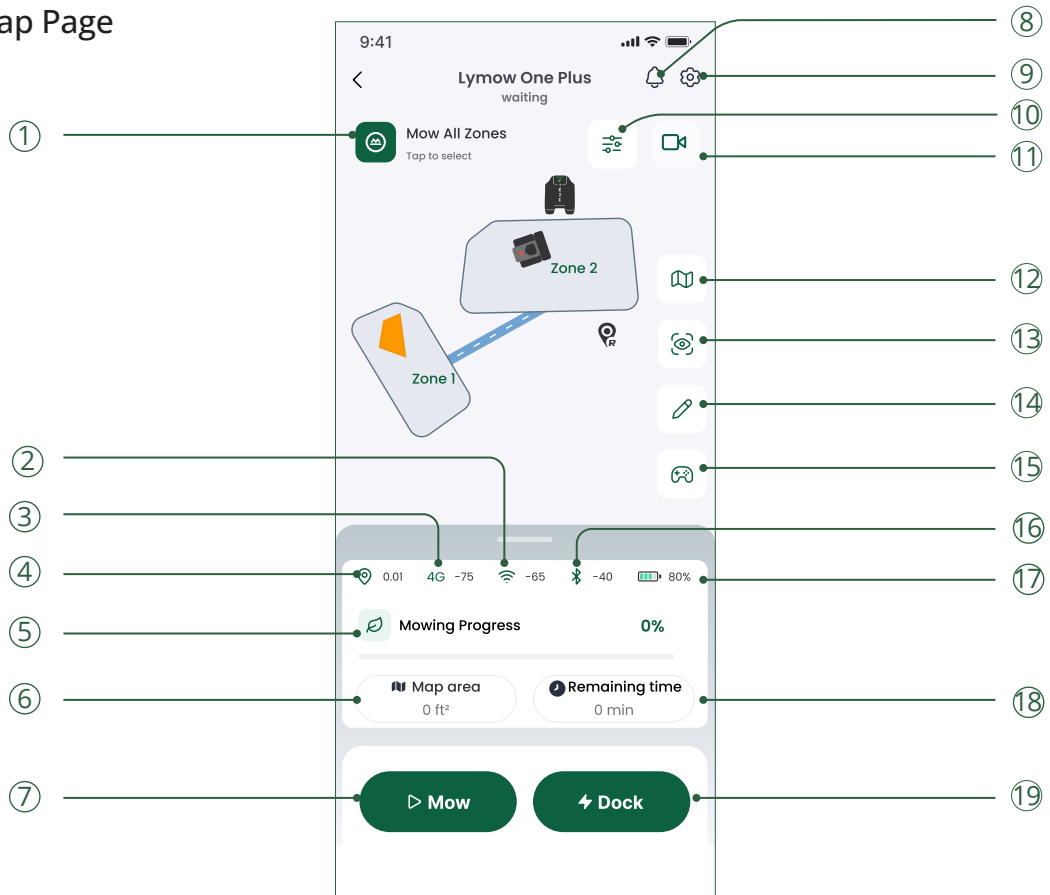
1. Device Name
2. Device Status: Waiting, Docking, Pause, Charging etc.,
3. Today's Task List ¹
4. Create Scheduled Tasks
5. Go to Device ²
6. 4G

7. Notification Center
8. Manage Device Settings ³
9. Wi-Fi
10. Bluetooth
11. Battery
12. Webcam

NOTE

1. Today's Task List: Displays today's scheduled tasks only.
2. Go to Device: Click to navigate to the next-level map interface for further device configuration.
3. Manage Device Settings: Click to add, rename, share, delete device.
4. Bluetooth, Wi-Fi, 4G connectivity show green when active, grey when disconnected.

Map Page

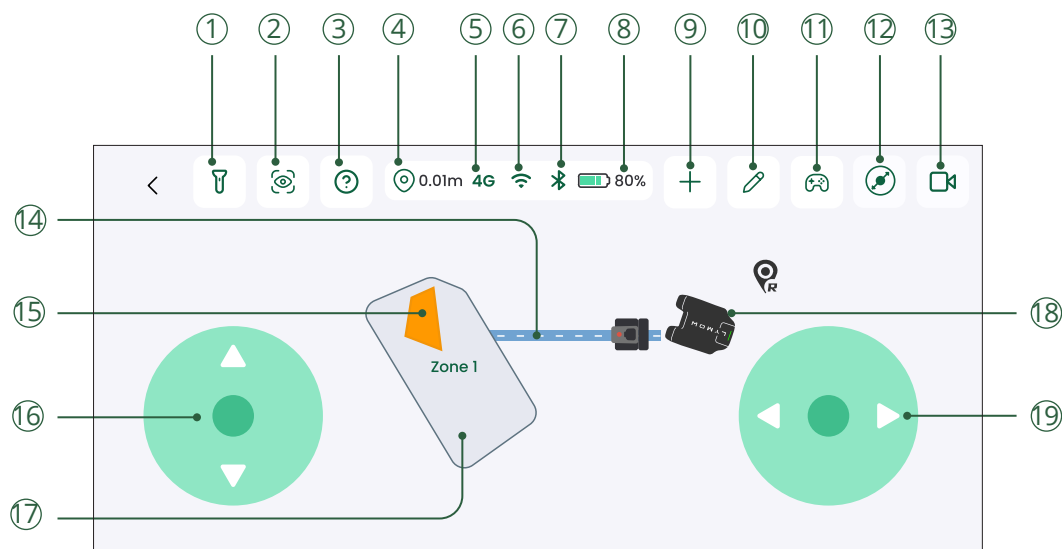


- | | |
|--|---|
| 1. Mowing Mode Switch | 11. Webcam |
| 2. Wi-Fi | 12. Multi-Map Management |
| 3. 4G | 13. Perspective Switch ³ |
| 4. RTK Accuracy | 14. Create a Map |
| 5. Mowing Progress: Percentage Display | 15. Manual Remote Control |
| 6. Current Task Map Area | 16. Bluetooth |
| 7. Mowing Start | 17. Battery |
| 8. Notification Center | 18. Current Task Remaining Time: in minutes |
| 9. System Settings ¹ | 19. Device Recharging |
| 10. Mowing Settings ² | |

NOTE

1. System Settings: System settings include machine and system related configs: machine settings, security & notification, general settings.
2. Mowing Settings: Mowing settings include mowing related configs; default is global settings, customize settings can be customized based on actual circumstances.
3. Perspective Switch: Tap to locate the mower, then tap again to center the map.

Map Creation



- | | |
|--------------------------------|--|
| 1. Headlight | 11. Manual Mowing Preset ⁴ |
| 2. Perspective Switch | 12. Joystick Zoom |
| 3. New User Guide ¹ | 13. Webcam |
| 4. RTK Accuracy | 14. Channel |
| 5. 4G | 15. No-Go Zone |
| 6. Wi-Fi | 16. Left Control: Move forward / backward ⁵ |
| 7. Bluetooth | 17. Mowing Zone |
| 8. Battery | 18. Charging Station |
| 9. Create a Map ² | 19. Right Control: Turn left / right ⁵ |
| 10. Edit a Map ³ | |

NOTE

1. New User Guide: Guide for map creation.
2. Create a Map: Create a new mowing map with zones, no-go zones, channels and charging station.
3. Edit a Map: Tap to enter map editing mode, where you can delete/rename/merge/split/or modify zone boundaries.
4. Manual Mowing Preset: Tap to set manual mowing parameters in advance.
5. Joystick color indicates remote control status:
 - Green means it is ready for use.
 - Yellow means remote control mode is unavailable—please check all connections in status.
6. Status bar includes RTK accuracy, 4G, Bluetooth, Wi-Fi, and Battery.

Map Editing

1. Delete Element - Delete the currently selected zone/channel/no-go/charging station.

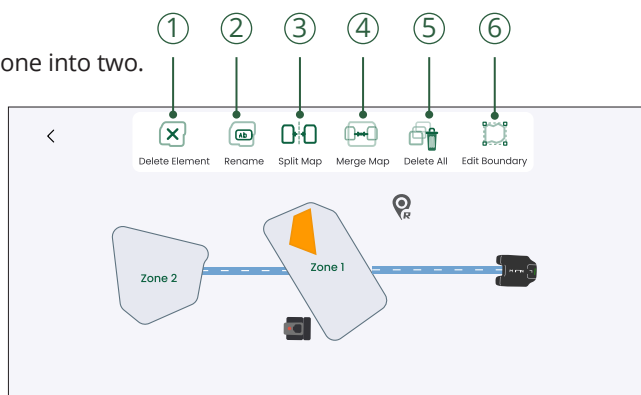
2. Rename - Rename a mowing zone.

3. Split Map - Split one currently selected zone into two.

4. Merge Map - Merge two adjacent zones into one.

5. Delete All - Delete all zones and mapping elements from current map.

6. Edit Boundary - Edit boundary of currently selected zone.

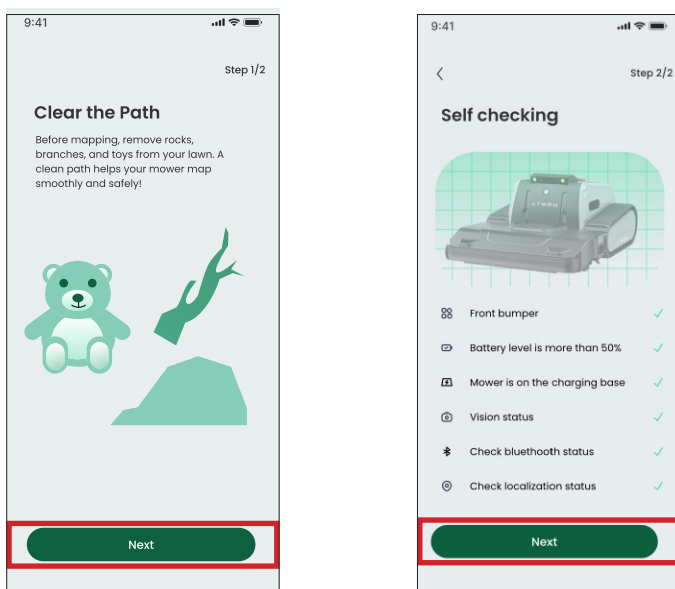


4.8.2 Set a mowing zone

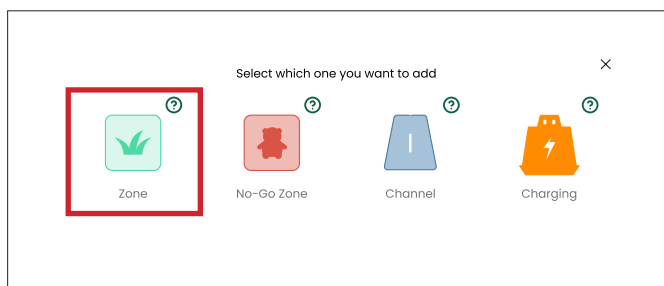
NOTE

- Before starting mapping, check the status bar to **ensure RTK accuracy** is within 0.05 m (ideally **0.01–0.05 m**) and Wi-Fi/Bluetooth connections are normal. **If the joystick appears yellow, the remote control mode is not ready yet—please check all connections before proceeding.** Also, make sure the following conditions are met:
 - The robot is powered on, in **“Waiting”** status, and **RTK binding** is complete.
 - The area is clear of **obstacles**, such as wires, toys, or loose debris.
 - There are **no people or pets** within the planned working area.
 - The weather is suitable and **satellite signals** are stable.
 - It is recommended to maintain a distance of at least 10 cm from fences, walls, or ditches during mapping.
- Before starting to mow, **be sure to close the screen cover.**
- Before starting mapping, **ensure RTK accuracy remains below 0.05m when the mower is powered on.** If signal quality is poor, adjust the RTK position to achieve optimal conditions at startup.
- When entering remote control mode for the first time, manually drive the mower forward and backward to **initialize** it until the mower announces **“Let's get mowing”** or the **mower icon appears** in the app.
- To ensure stable Bluetooth connectivity during mapping and remote control, **keep your phone 6-8 m/20-26 ft away from the mower.** The remote control distance should not exceed 20 m/66 ft.

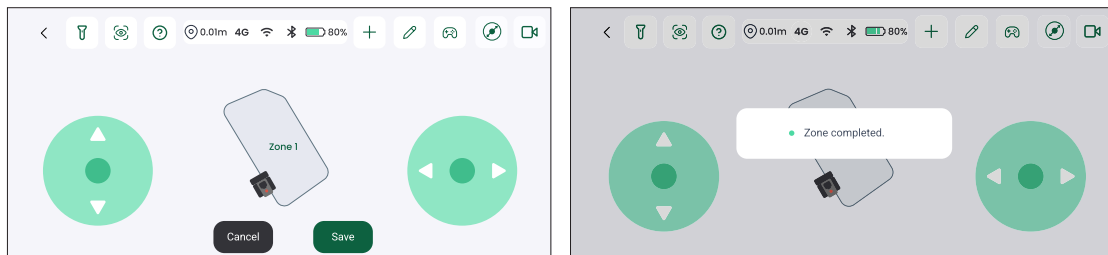
1. Follow the on-screen reminder to clear obstacles from the lawn, then tap **Next** to start self-check.
2. Once the self-check is completed, tap **Next** to enter remote control mode.



3. Tap the “+” icon and select **“Zone”** to begin mapping a mowing area.



4. Drive your Lymow One Plus back to the starting point to close the loop.
 - a. The grey line represents the perimeter you have set.
5. Tap Save to complete the mowing zone creation.



4.8.3 Set a charging station

The charging station is designed to allow the lawn mower to dock and recharge.

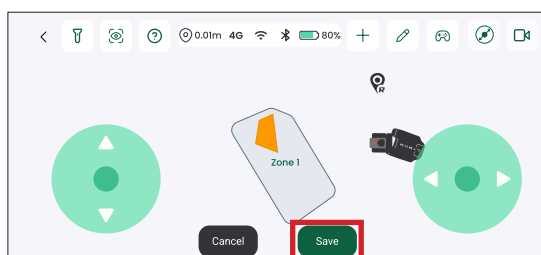
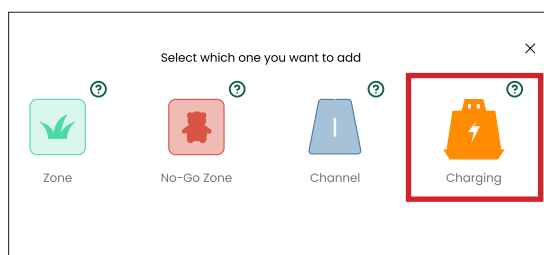
NOTE

- A charging station can only be set **after a mowing zone is established**.
- Do not place the **charging station inside a mowing zone**.
- A **channel to the charging station** is needed to allow the mower to dock and charge.

1. After creating a mowing zone,

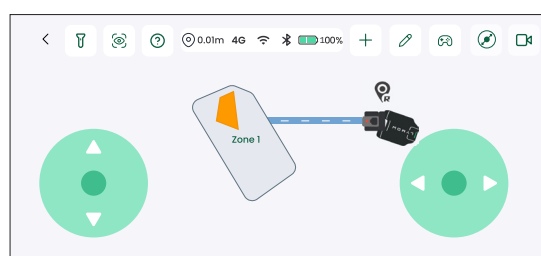
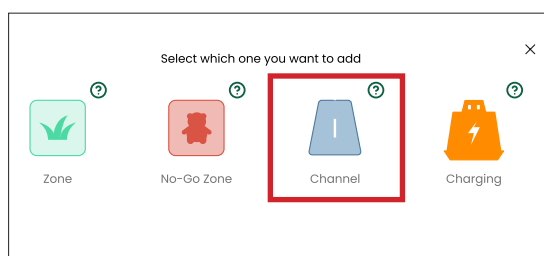
A: Positioning

Manually drive your Lymow One Plus to **align directly with the charging station's contact points, staying within one meter**. Tap **"Save"** to automatically mark its location on the map.



B: Create channel

Drive the mower back into the zone. Tap the **"+" icon, select "Channel"**, then drive it to the station location on the map while aligning with it. Setup completes when the **"Channel Completed"** message appears.



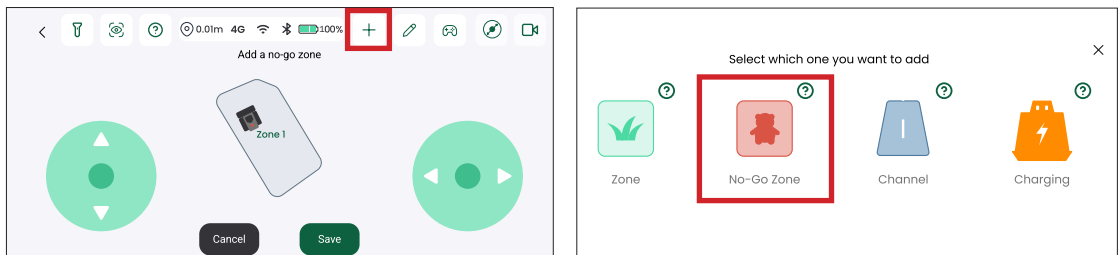
4.8.4 Set a No-Go zone

No-Go zones are used to block off areas the mower should avoid, such as flowerbeds, trees, or fragile installations.

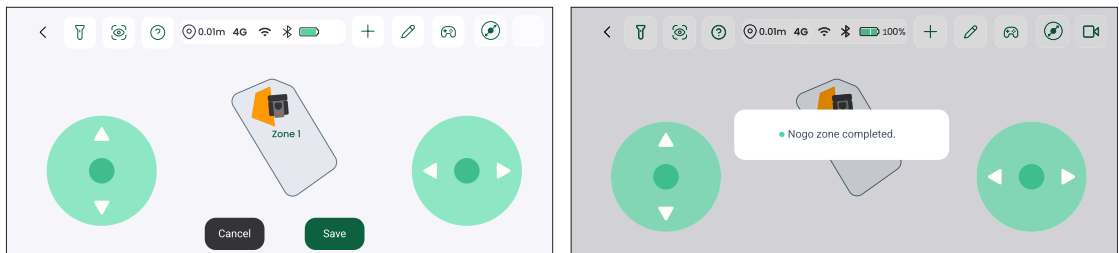
NOTE

- The mower must be inside an existing mowing zone to create a no-go zone.

1. Tap the “+” icon and select “No-Go Zone”.
2. Manually drive your Lymow One Plus to the **target mowing zone** where you want to add the no-go area.



3. Use the joystick to manually drive your Lymow One Plus around the object or area you want to block off.
4. Drive your Lymow One Plus back to the starting point to close the loop.
5. Tap **Save** to complete the no-go zone setup.



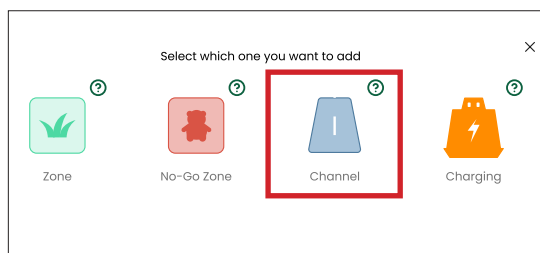
4.8.5 Add a channel

A channel is a virtual path that connects two mowing zones or links a mowing zone to the charging station. Channels allow the mower to travel safely between areas without remapping the lawn.

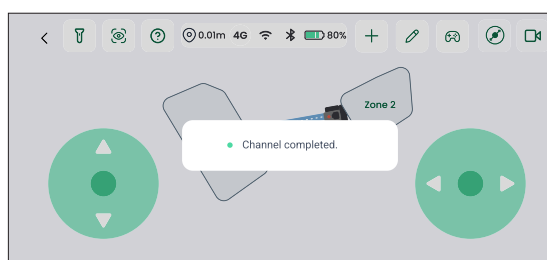
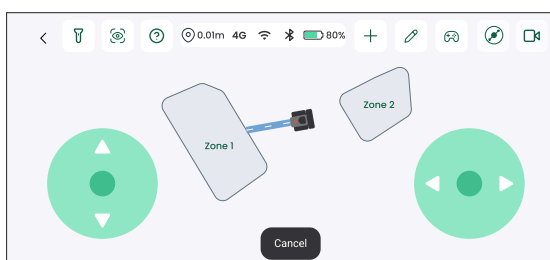
NOTE

- Channels can only be created **after at least two mowing zones have been set.**
- A **channel to the charging station** is needed to allow the mower to dock and charge.

1. Manually drive your Lymow One Plus into the starting mowing zone.
2. Tap the "+" icon, then select "Channel".



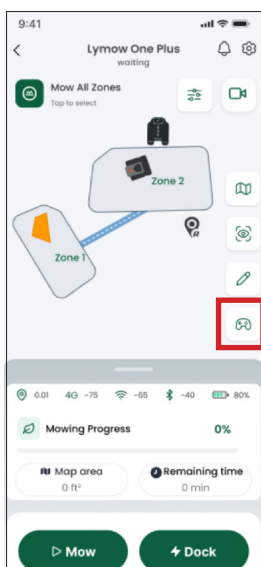
3. Drive the mower along the desired path toward the **target mowing zone** or the **charging station**.
4. A "Channel completed" pop-up indicates successful creation.



4.8.6 Map management

The map edit page allows you to manage the existing maps, including modifying zone edges and deleting maps when necessary.

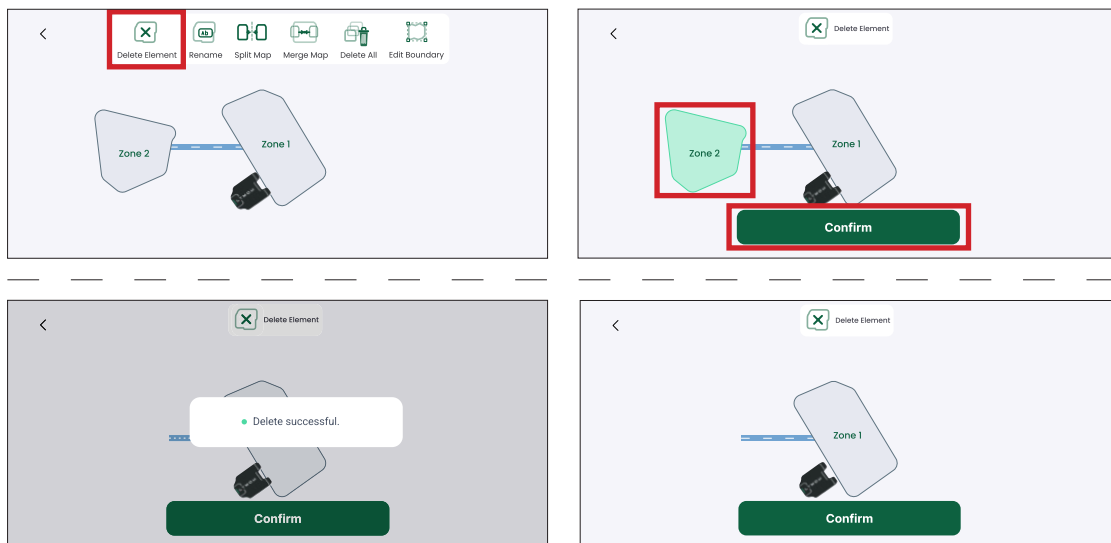
Tap the 🎮 on the map page to enter the remote control interface, then tap the ✎ to enter map editing mode.



Delete a Zone/Channel/No-go/Charging Station

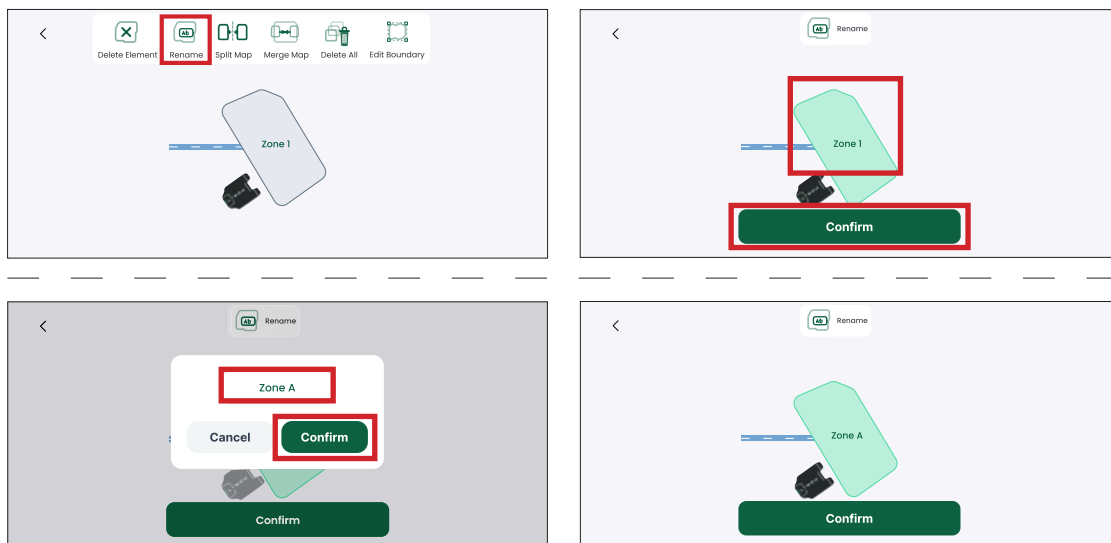
1. Tap the **Delete Element**.
2. Select the element you wish to delete.
3. Tap **Confirm** to delete.

Applicable to: all elements including zones, channels, no-go zones, and charging stations.



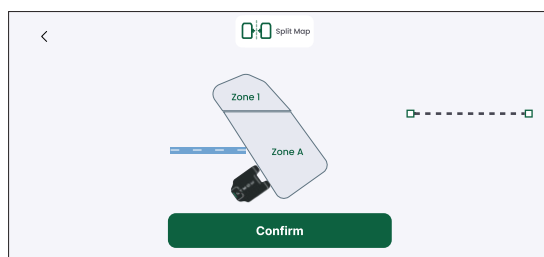
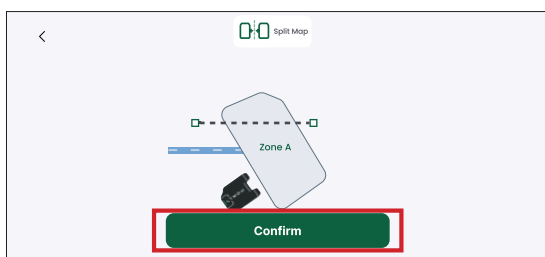
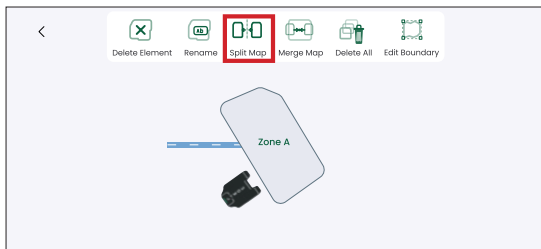
Rename a Mowing Zone

1. Tap **Rename**.
2. Tap to select the zone you wish to rename.
3. Enter the new name, then tap **Confirm** to save.



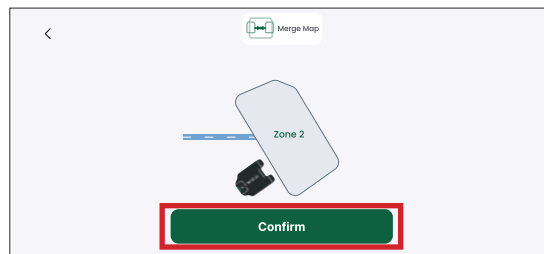
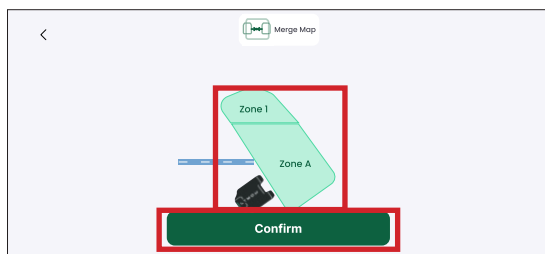
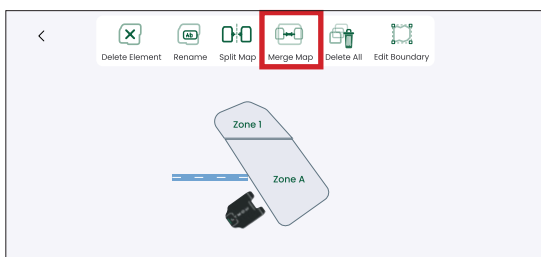
Split a Map

1. Tap **Split Map**.
2. Drag the split line onto the zone and adjust it to the desired angle. Note: The split line must intersect the zone's boundary at two points.
3. Tap **Confirm**.



Merge the Map

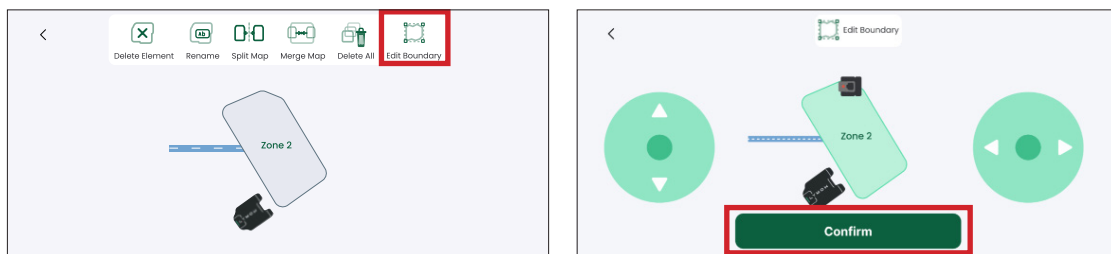
1. Tap **Merge Map**.
2. Select two adjacent zones.
3. Tap **Confirm**.



Edit Mowing Zone Boundary

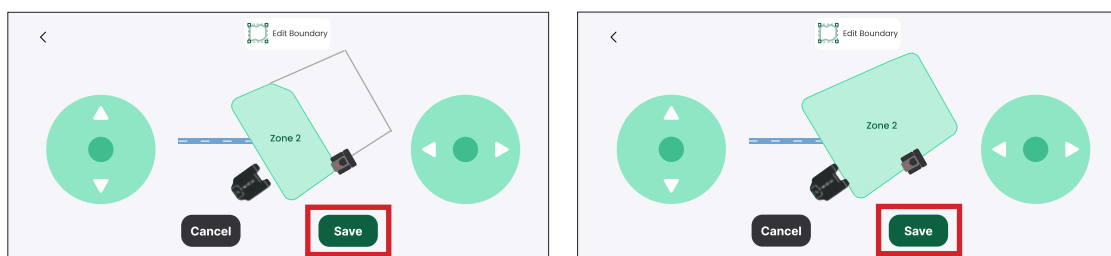
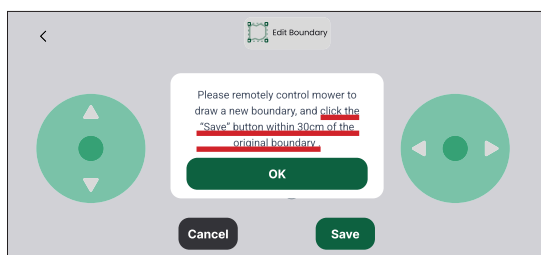
1. Tap **Edit Boundary**, select the mowing zone you want to edit, then tap **Confirm**.

a. Editing the boundary of No-Go Zones is not currently supported.



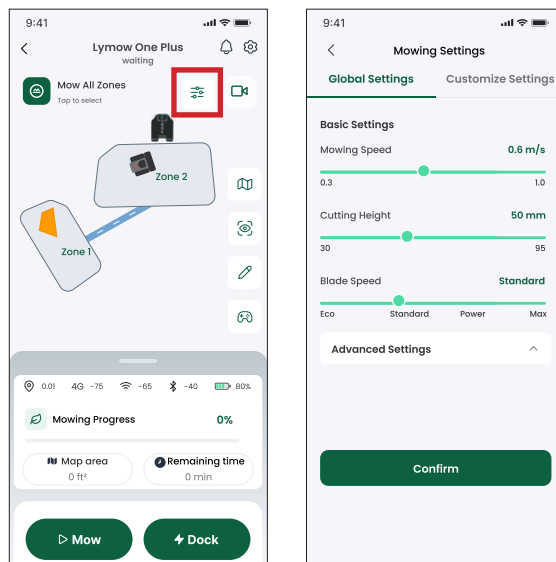
2. To redraw, remotely drive the mower from a point on the original boundary. After defining the new boundary, tap **Save** within 30 cm of the original boundary to close the loop.

3. Once the edit is complete, tap **Save** to confirm the changes.



Configure a Mowing Zone

1. Tap  on map page to enter the mowing configuration.
2. Follow the on-screen instructions to complete the mowing settings.



Mowing Setting	Description	Options
Moving Speed	Control the mowing speed. Higher speed reduces mowing time but may affect precision.	0.3 m/s - 1 m/s 1.0 ft/s - 3.3 ft/s
Cutting Height	Adjust the blade height to control the cutting level.	3.0 cm - 10.0 cm 1.2 in - 4.0 in
Blade Speed	Eco: Light Trimming Max Runtime. Standard: Balanced Regular Mow. Power: Strong Thick Grass. Max: Max Power Tough Conditions.	Eco Standard Power Max
Path Spacing	Set the distance between each mowing path. Smaller spacing ensure complete coverage but increases mowing time.	25cm/ 30cm/ 35 cm 9.8 in/ 11.8 in/ 13.8 in
Stripe Angle	Set a direction for mowing paths.	0° - 180°
Mowing Order	Select whether the mower cuts the perimeter first or mows the main area first.	Perimeter First Main Area First
Zone Obstacle Detection	Obstacle detection mode in zone main area. - Smart: Uses all sensors - avoids obstacles before contact. - Touch-Only: Uses bumper sensors only - robot continues until physical contact.	Smart Touch-Only

Mowing Setting	Description	Options
Perimeter Obstacle Detection	Obstacle detection mode in perimeter laps. • Smart: Uses all sensors - avoids obstacles before contact • Touch-Only: Uses bumper sensors only - robot continues until physical contact	Smart Touch-Only
Perimeter Mowing Direction	Choose the mowing direction along the perimeter.	Clockwise Counter-clockwise Random
No-Go Zone Mowing Laps	Number of trimming passes around No-Go Zones for a cleaner edge.	0 - 3 laps
Zone Perimeter Mowing Laps	Number of perimeter passes around mowing zones for a cleaner edge.	1 - 3 laps
Turn Off Outer Mowing Motor	Turn off outer mowing motor when mower at boundary for side discharge. The purpose is to prevent clippings sprayed to outside of the lawn.	On Off
Safe-margin Mode	Enable safe-margin mode to prevent the robot from mowing too close to perimeters.	Offset Edge Precise Edge
Channel Obstacle Detection	Obstacle detection mode when crossing channels. • Smart: Uses all sensors - avoids obstacles before contact • Touch-Only: Uses bumper sensors only - robot continues until physical contact	Smart Touch-Only
Channel Deck Height	Deck module height when crossing channel. Raising height helps your robot navigate over door thresholds, cables, and small obstacles more easily.	30mm - 100mm

4.9 Mowing

Lymow One Plus offers flexible mowing options to suit different usage needs, including auto, manual and scheduled modes.

Before mowing

- Ensure the mower is within a mapped mowing zone.
- Check that the lawn is clear of obstacles to ensure safe and efficient mowing.
- As part of our commitment to animal welfare, we kindly remind users to visually check the lawn for small animals (e.g., hedgehogs, rabbits etc.) before mowing.

Lymow One Plus is equipped with intelligent obstacle detection and avoidance, but your extra attention helps reinforce our shared care for nature.

- Make sure the camera lens and LED light lens are clean and unobstructed before mowing, as dirt or moisture may affect the mower's vision and navigation performance.

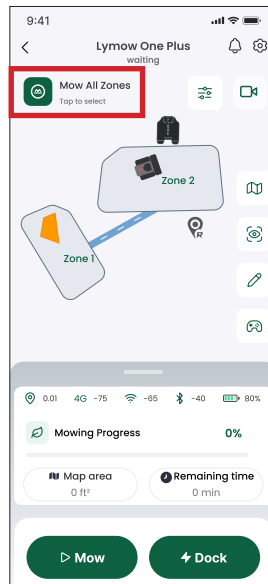
During mowing

- The machine cutting height can be adjusted between 30 - 100mm/1.2 - 4 in and can be customized according to actual requirements.
 - **Suggested Cut Height:** If the grass height exceeds 60 mm/2 in, it is advisable to raise the cutting height to at least 40 mm/1.6 in. When mowing, it is important to only trim a third of the grass height each time. For example, if the initial grass height is 60 mm/2 in, the cutting height of Lymow One Plus should be set to 40 or 45 mm/1.6 or 1.8 in. Similarly, if the grass is between 90 - 100 mm/3.5 - 4 in, the cutting height of Lymow One Plus should be set to 60 mm/2 in.
- Avoid mowing the same area more than once per day to promote healthy grass growth.
- If any unexpected situation occurs, press the STOP button immediately. This command overrides all others and halts the mower.

4.9.1 Auto mowing mode

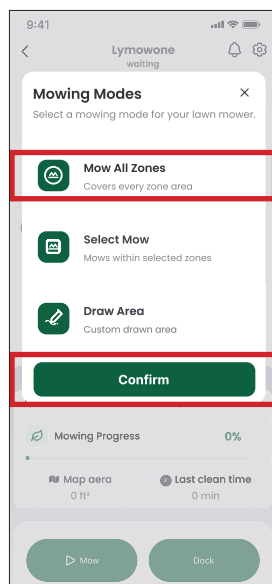
After completing map creation, return to the Map Page to configure mowing settings. If a newly created map has not been configured, it will follow the original default settings of the application. See Section 4.8.6 **Configure A Mowing Zone** for details.

Tap **Mow All Zones** to select mowing modes.



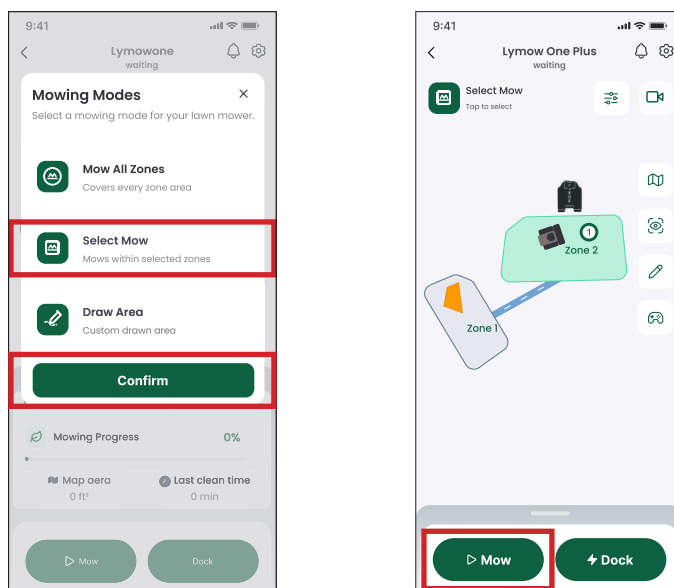
Mow All Zones

1. Tap **Mow All Zones**, then tap **Confirm**.
2. Tap **Mow** to start mowing all zones.



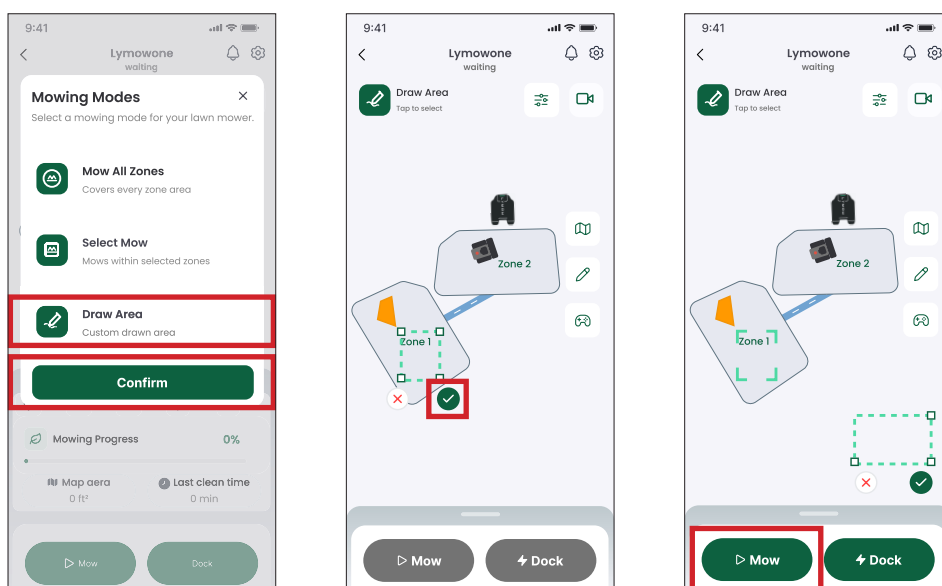
Select Mow

1. Tap **Select Mow**, then tap **Confirm**.
2. Select the area to mow, then tap **Mow** to start mowing the selected zone.



Draw Area

1. Tap **Draw Area**, then tap **Confirm**.
2. Drag the selection box to the desired area and adjust its size as needed. Tap the checkmark to confirm.
3. Tap **Mow** to start mowing the drawn area.



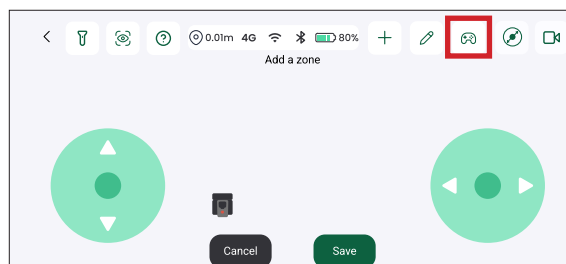
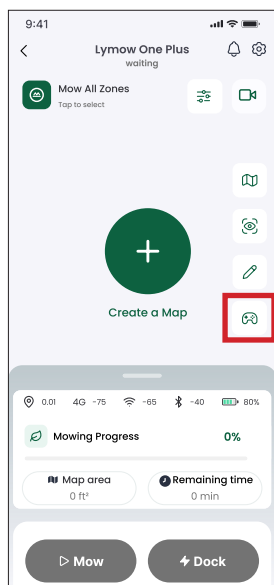
4.9.2 Manual mowing mode

To begin manual mowing:

1. Tap  to enter the default zone creation interface.
2. Tap  to enter manual mowing interface, then select mowing speed, cutting height, blade speed.
3. Use the joystick to remotely control device movement.

NOTE

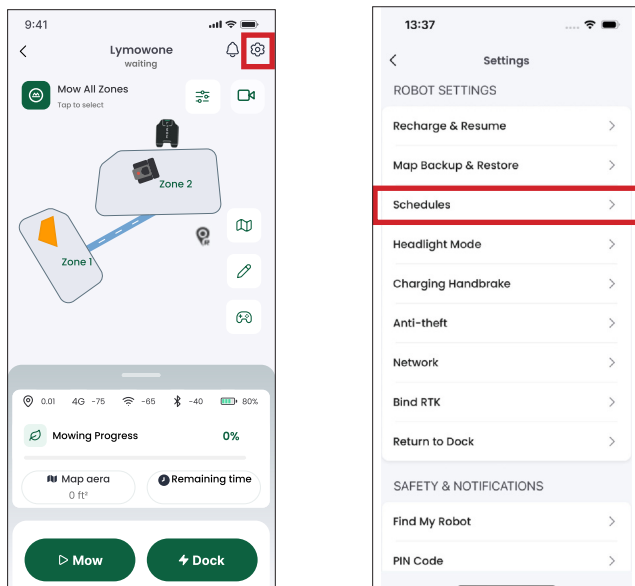
- When blade speed is set to "-----", the blade remains disengaged.
- Joystick color indicates remote control status.
 - **Green** means it is ready for use.
 - **Yellow** means remote control mode is unavailable-please check all connections in status bar.



4.9.3 Scheduled mowing mode

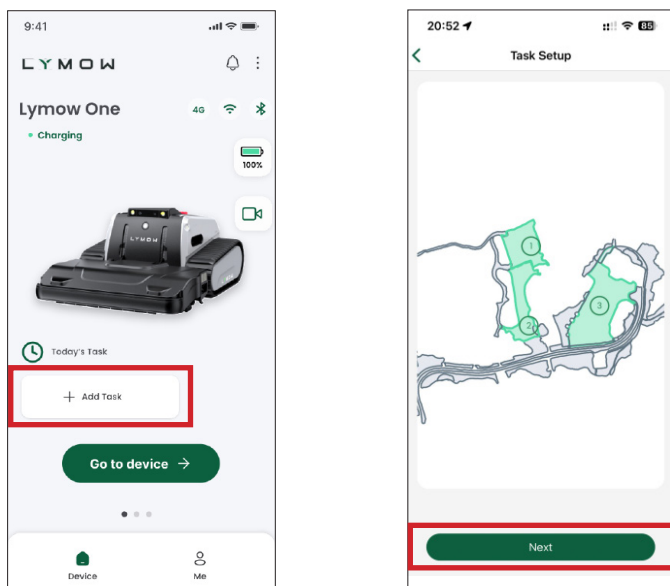
Lymow APP supports setting up automatic schedules based on time, frequency, and zones. Once a schedule is configured, your Lymow One Plus will automatically do its work accordingly.

1. Tap the **Settings > Schedules** to enter the schedule page.

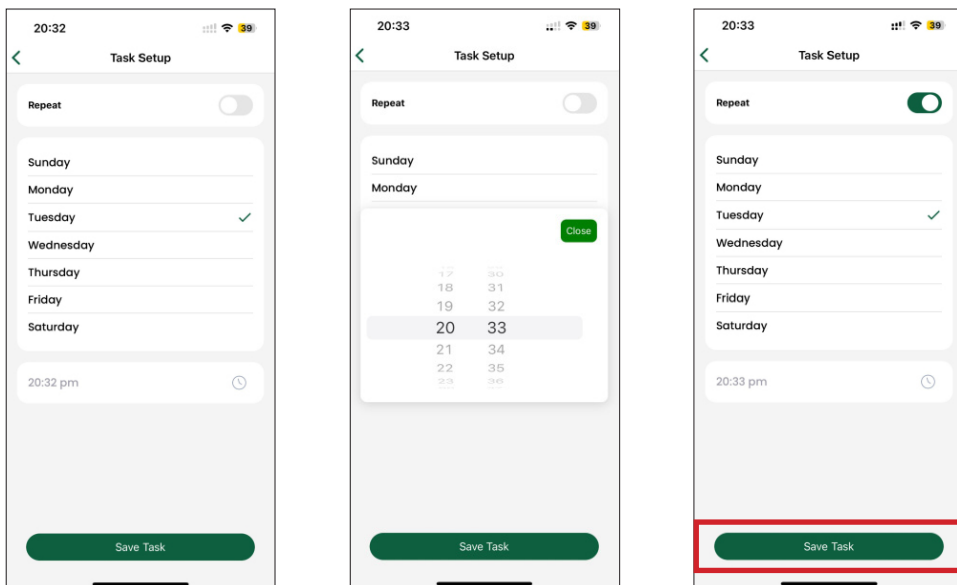


2. Tap the **Add** icon.

3. Set the mowing zone sequence (if applicable). Tap **Next** to continue setting.

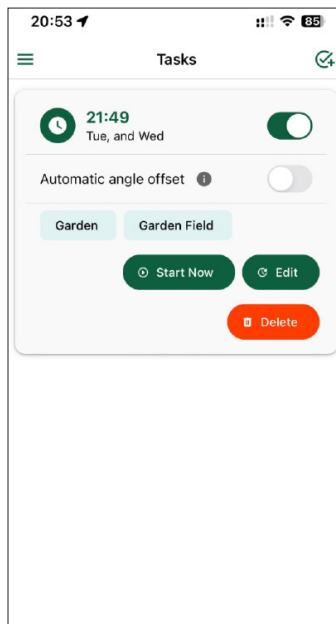


- Follow the onscreen information to set the start time and choose the repeat pattern.
- Turn on the **Repeat** switch and tap **Save Task** to confirm.



The created task will appear in the schedule list. You can:

- Tap the toggle switch to enable/ disable the task.
- Automatic angle offset: when activated, the stripes' angle will randomly shift from its original setting at the start of each mowing task, with a maximum offset up to 30°.

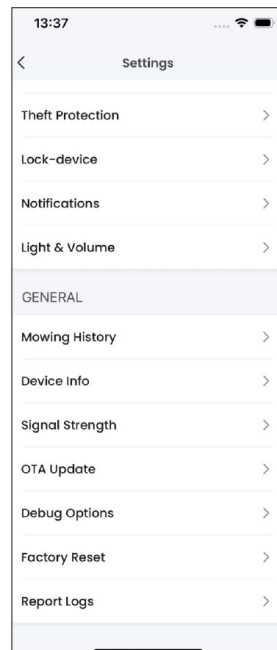
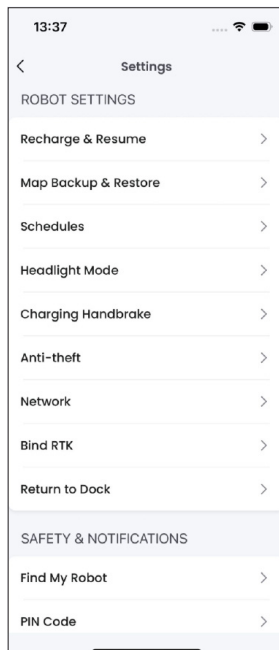


4.10 Explore More on Lymow App

4.10.1 System settings

You can access and configure various system-level functions of your Lymow One Plus through the System Settings menu.

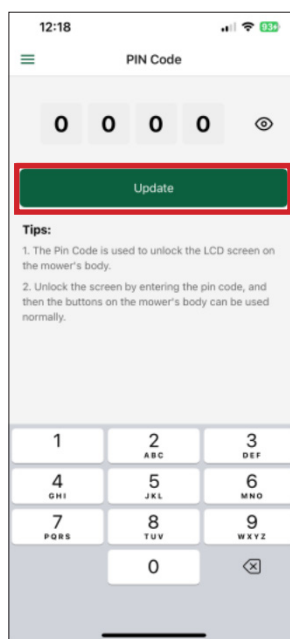
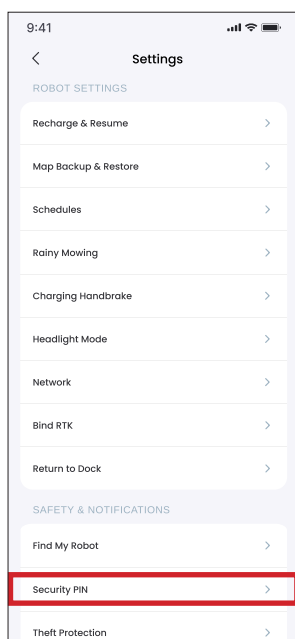
- On the map page, tap the **Settings** icon to open the settings menu.



4.10.2 Change Your PIN Code in the App

To ensure security, a 4-digit PIN code is required to unlock the mower. The default PIN code is set to '0000', and it can be customized through the app.

1. On the Lymow App device page, tap **"Go to device"** to enter the map page.
2. Tap the **Settings icon** to enter settings page.
 - Select **Security PIN**.
 - Enter your desired new PIN code (4 digits).
 - Tap the **Update** button to confirm the change.
 - The new PIN code will take effect immediately for unlocking the mower.



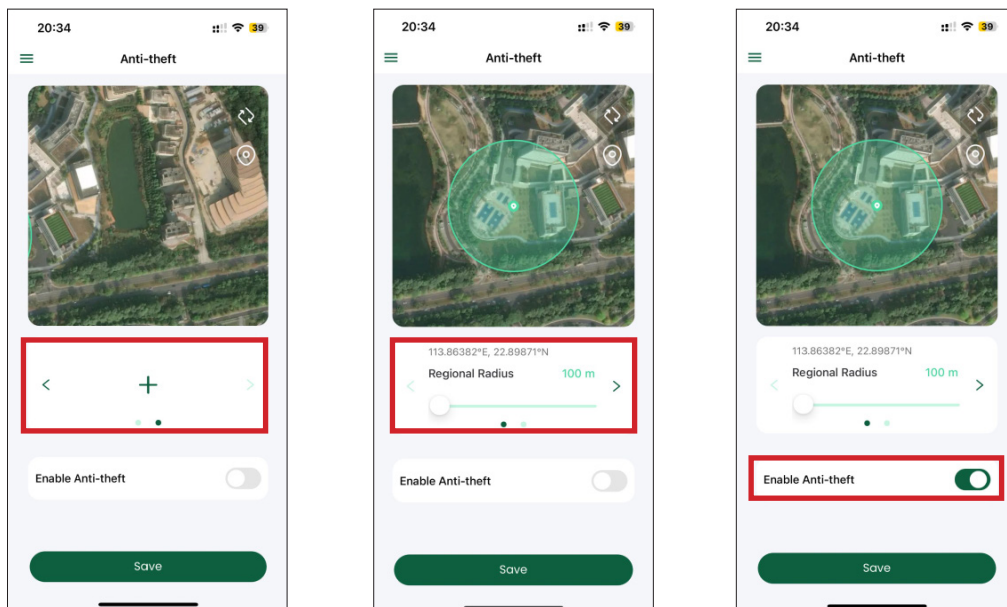
4.10.3 Anti-theft mode

NOTE

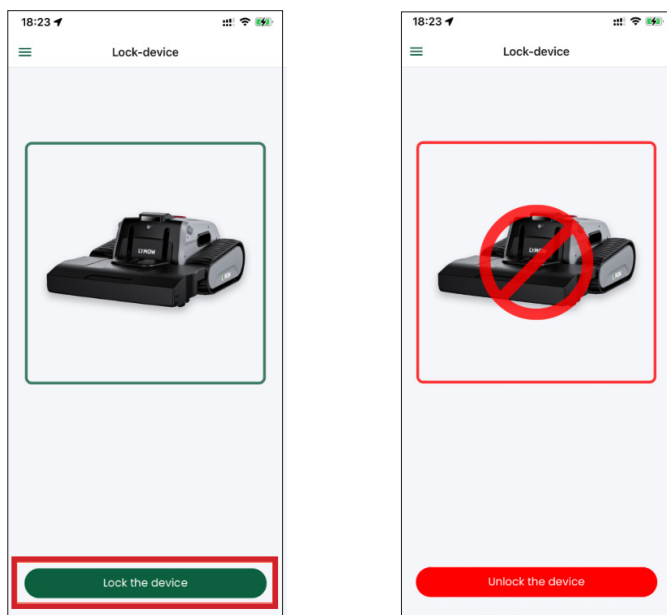
- To use Anti-theft Mode, ensure the mower is connected to the internet and has a valid positioning signal.
- **Find My Robot** feature helps locate your device. See below for details.

1. The Anti-theft Mode helps prevent unauthorized use or movement of your Lymow One Plus.

- When enabled, the system creates a **virtual fence** based on your selected location. If the mower moves outside the fence, it will automatically enter a **locked state**.
- You can enable or disable Anti-theft Mode and adjust the fence radius in the app.
- When locked, the mower will stop operating and trigger warning alerts through voice signals.
- You can track the mower's location in real time through the app. Up to 10 virtual fences can be configured for flexible protection.



- The mower can be manually locked/unlocked through the app at any time.



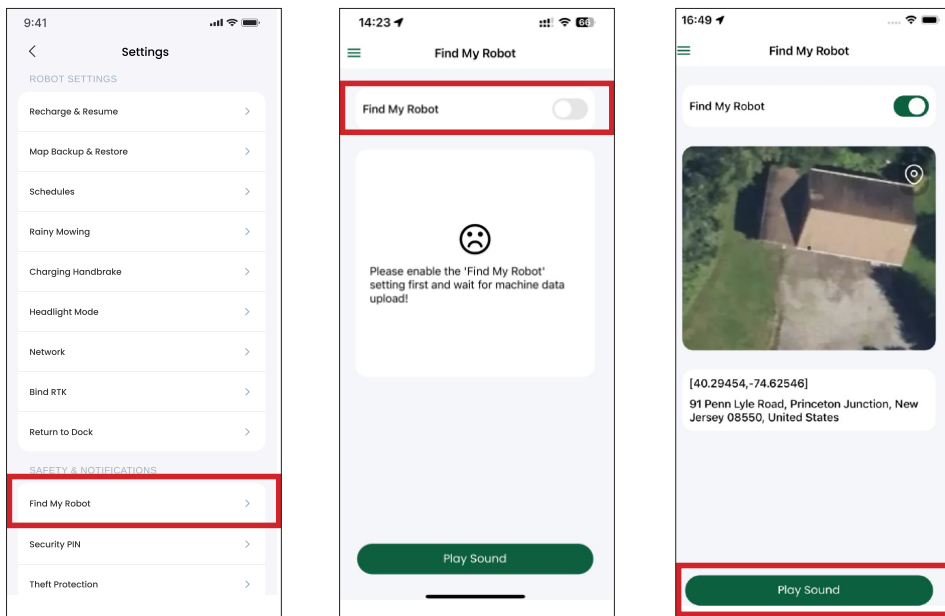
2. Find My Robot

- (1) Open **Find My Robot** in the Safety & Notifications section from the settings menu.
- (2) Turn on the **"Find My Robot"** switch. Once enabled, the device will periodically upload its location coordinates and street information.

NOTE

Ensure the robot is powered on and outdoors (GPS required).

- (3) If nearby, tap **"Play Sound"**. The device emits an audible alert at max volume to help you locate it.



4.10.4 Headlight mode

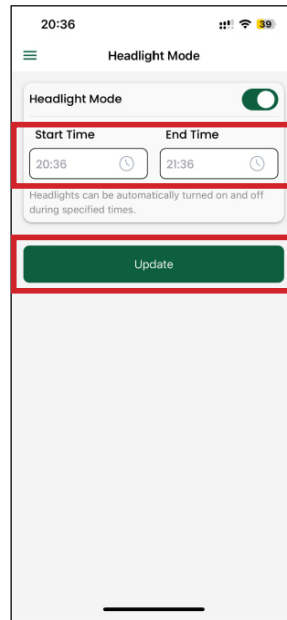
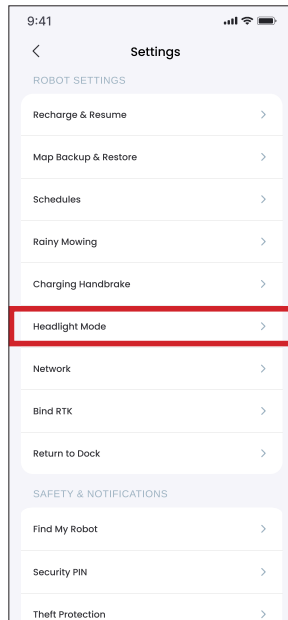
The Headlight Mode allows you to automatically turn the mower's headlights on and off during specified times, improving visibility in low-light conditions.

(1) On the Lymow App device page, tap **"Go to the device"** to enter the map page.

(2) Tap the **Settings icon** to enter settings page.

(3) Toggle the **Headlight Mode** switch to turn it on or off.

- Set the **Start Time** and **End Time** for the headlights to operate automatically.
- Tap the **Update** button to save the settings.



4.10.5 Troubleshooting

The app notification displays common error messages along with corresponding suggestions to help identify and resolve issues. The general recovery steps are tapping Clear Error, then Resume. Alternatively, the LCD screen can be unlocked using a PIN code—pressing the Home button will clear the fault, then pressing it again will allow the mower to continue operating. These steps do not apply to tilt or lift-related errors.

Error messages	Suggested Resolutions
Charging Station not Detected	Please add a charging station in the app and ensure a channel is built between the charging station to the work zone.
Charging Not Detected	(1) Please check the charging station's power supply and clean the charging contacts. (2) Please check if the immersion sensor under the charging station was triggered by water. (3) Restart the mower and the charging station if needed.
Charging Station Not Reachable	When the mower cannot return to the charging station, please ensure all zones are connected by channels, with one zone linked directly to the charging station.
Charging Station Tag Not Detected	(1) Please ensure the charging station area is well-lit, and both the camera lens and tag surface are clean and unobstructed. (2) Please update the charging station location in the app if it has been moved.
Docking Failed	(1) Please clear the error and retry. (2) If unsuccessful: manually assist the mower to dock.
Charging Station Placement Issue	For invalid charging station location, please move it completely outside the zone.
Navigation Internal Error	(1) Please move the mower to a new position and retry. (2) If the error persists: cancel the task.

Error messages	Suggested Resolutions
Navigation Internal Error	(1) Please restart the mower and resume operation . (2) Still failing: please cancel the task.
Navigation Internal Error	(1) Please drive the mower into the zone, at least 3 meters away from the boundary or obstacle, then clear error and resume operation. (2) If unresolved: please restart the mower and resume operation.
No Available Mowing Zone	Please create a go-zone before mowing.
Weak RTK Signal	Help your mower navigate better: (1) Move robot to open area. (2) Reposition RTK reference station (clear sky view).
Location Service Unstable	For location service unstable, please power cycle the mower.
Location Service Init Timeout	For location service not initialized, please drive the mower to an open area, then drive it forward or backward about 2 meters to activate it.
Out of Bounds	For mower out of the work area, please return it to the mapped zone.
Battery Low	Please charge the mower above 20% before mowing.
Unsafe Drop Detected	For unsafe drop detected, please move the robot to a different spot.
Bumper Jammed	(1) Press the bumper to check movement. (2) Clear any debris if it's stuck.
Slipping Detected	For slipping detected, please move the robot to a different spot.
Blade Jammed	Please power off the mower and remove debris from the blade.

Error messages	Suggested Resolutions
Excessive Tilt Detected	Please move the mower to flat ground, press STOP, then press HOME button to resume operation.
Mower Stuck	(1) Inspect the tracks for any obstructions. (2) Move the mower to open area and resume operation.
Motor Overheat	(1) Clear error and resume operation. (2) If unresolved: Power off for 5 minutes and retry. (3) Still failing: contact official support.
Blade Motor Error	(1) Clear error and resume operation. (2) If unresolved: Power cycle and retry. (3) Still failing: contact official support.
No ENU Base Point from RTK Base Station	(1) Please check the RTK reference station's power supply. (2) Please wait for GNSS acquisition to take up to 3 mins on startup. (3) Still failing: contact official support.
Lifting Motor Jammed	(1) Remove debris around the motor and retry. (2) Press and hold the “-” button to reset if needed. (3) Restart the mower if the issue persists.
Zone Not Reachable	Please ensure all target mowing zones are connected by channels.
Camera Signal Lost	(1) Please restart the mower. (2) If the issue persists after a few tries, contact official support.
IMU Signal Lost	(1) Please restart the mower. (2) If the issue persists after a few tries, contact official support.
GPS Signal Lost	(1) Please restart the mower. (2) If the issue persists after a few tries, contact official support.
Wheel Motor Control Fault	(1) Please restart the mower. (2) If the issue persists after a few tries, contact official support.
Channel Obstacle Detected	Please check if there are obstacles in the channel.
Perimeter Obstacle Detected	Please check for obstacles on the perimeter.
Wheel Motor Error	(1) Clear error and resume operation. (2) If unresolved: Power cycle and retry. (3) Still failing: contact official support.

5 Maintenance

5.1 Cleaning your Lymow One Plus

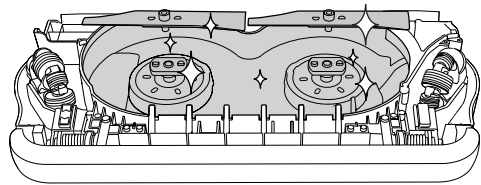
WARNING

- Never submerge Lymow One Plus in water.
- Avoid using alcohol, gasoline, acetone, or other corrosive or volatile solvents, as they may damage the mower's appearance and internal components.
- Do not use sharp objects such as metal tools or scrapers to clean the underside of the mower.
- Lift the deck for inspection while cleaning. Check for blade wear or damage and ensure that the blades rotate freely without obstruction.
- Ensure the mower is powered off before performing any cleaning or maintenance.

To keep your Lymow One Plus in optimal condition, we recommend cleaning it at least once a week. After use in wet conditions(rainy weather, wet grass), a full-body cleaning is required.

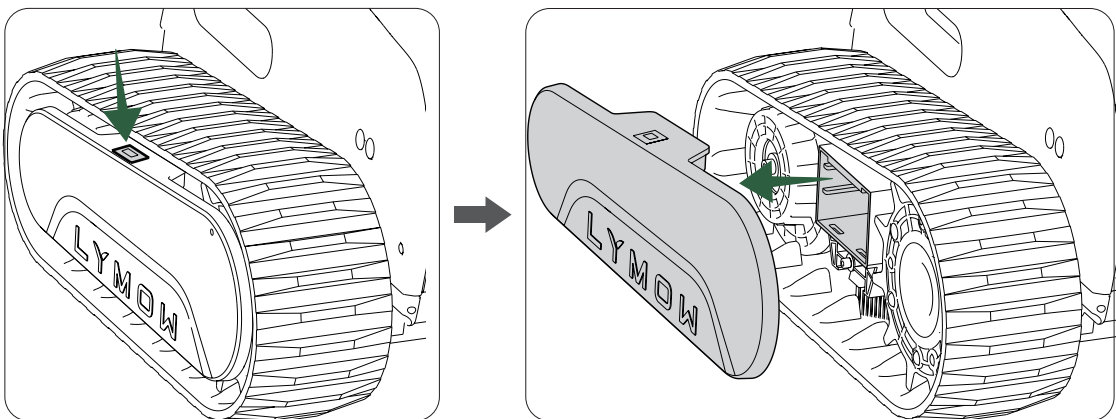
For the deck module, after lifting the deck, use a soft-bristle brush to remove grass clippings and debris accumulated on the underside of the deck.

For the mower, wipe it down with a damp cloth to maintain clean.

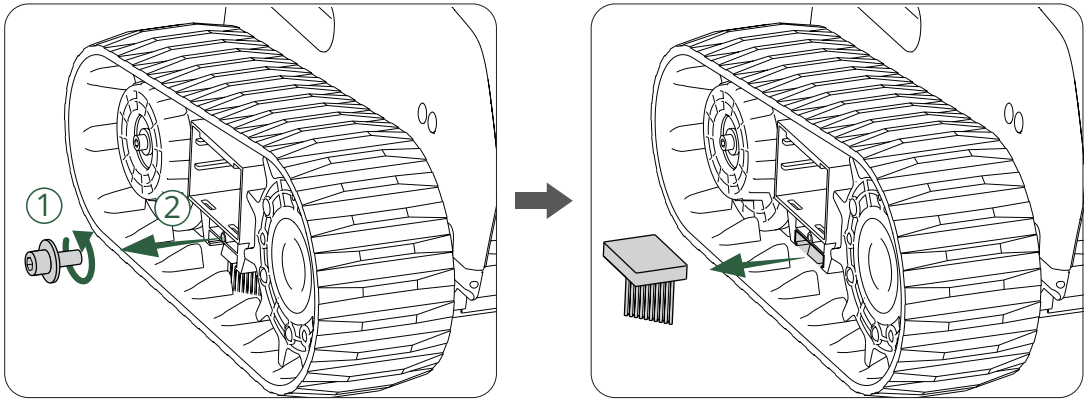


5.2 Fender Disassembly and Cleaning

1. Press and hold the button on the top center of the fender while pulling the fender outward.

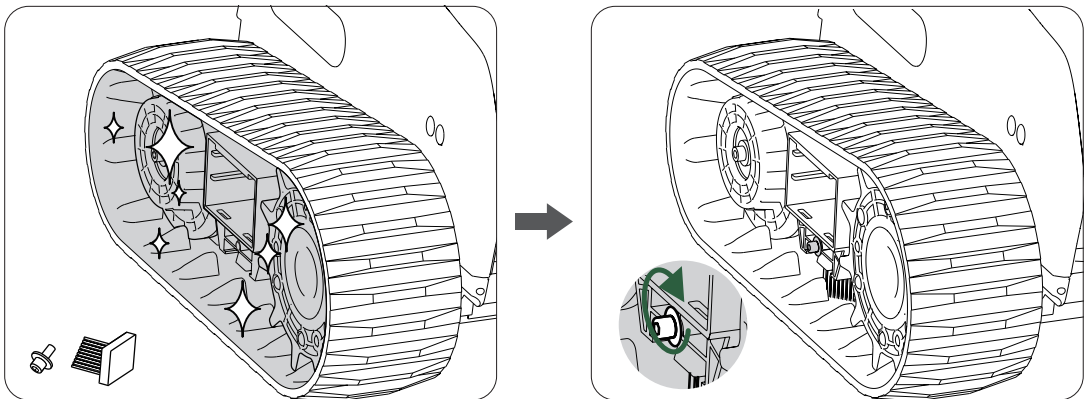


2. Unscrew the fastener, then remove the brush by sliding it sideways for cleaning.

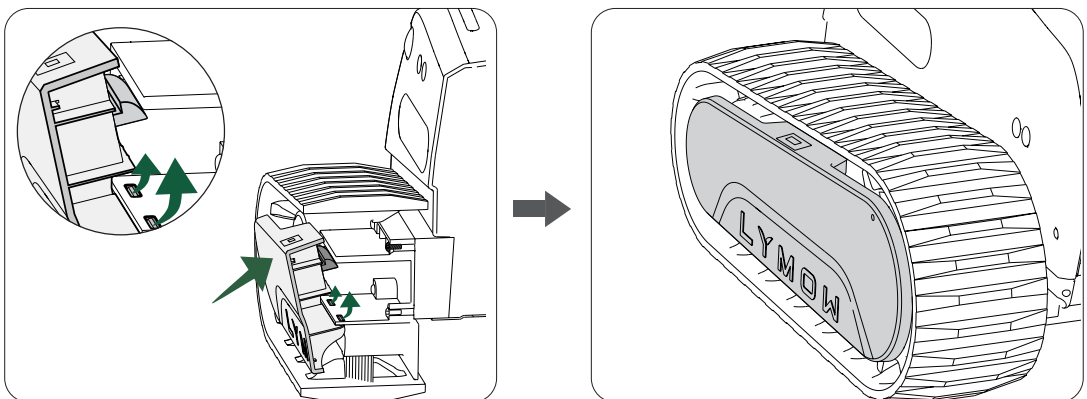


3. Clean the inside of the tracks and the wheel surfaces with a soft brush.

4. After cleaning, slide the brush back into position sideways and tighten the fastener.



5. Align the fender's lower clips with the slots, then press and hold the button to snap the fender back into place.



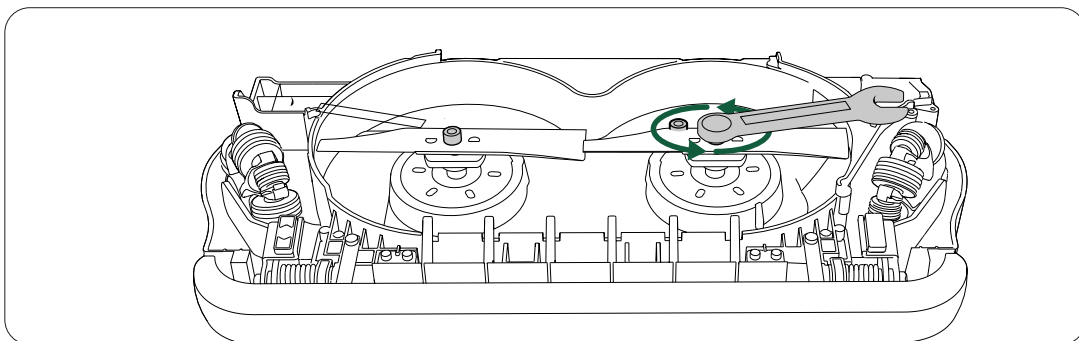
5.3 Replacing the Blades

NOTE

- The installation method is the same for all blades.
- Always wear protective gloves during blade replacement.

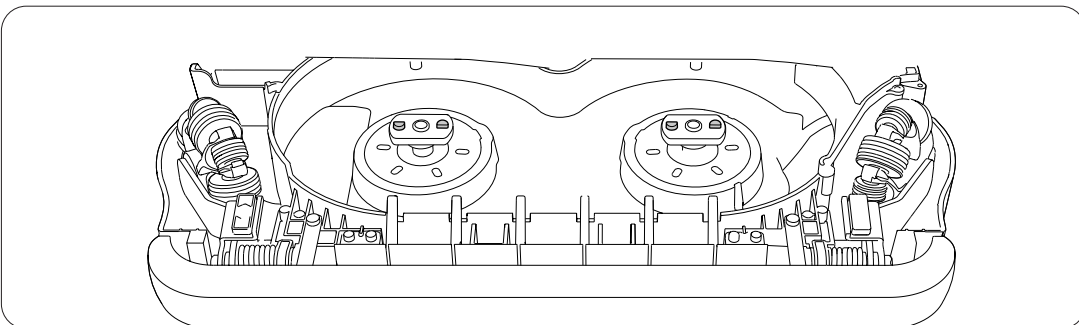
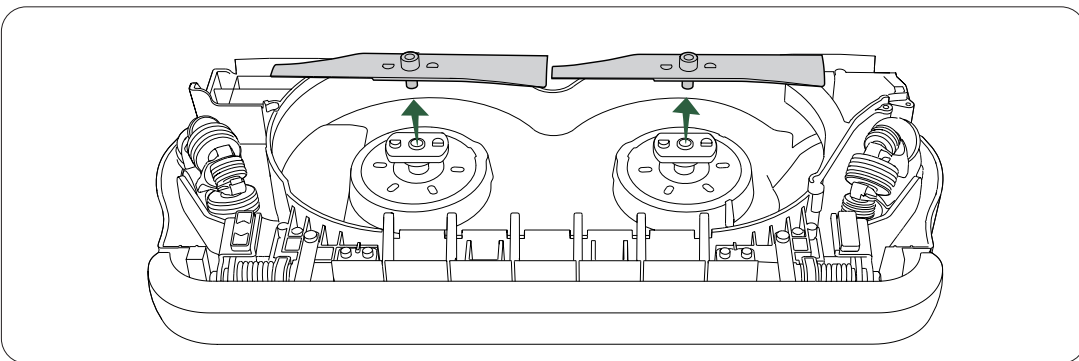
Lymow One Plus comes pre-installed with mulching blades. To replace them with new blades, please follow the steps below:

1. Use a wrench to loosen the nut and remove the original blade.

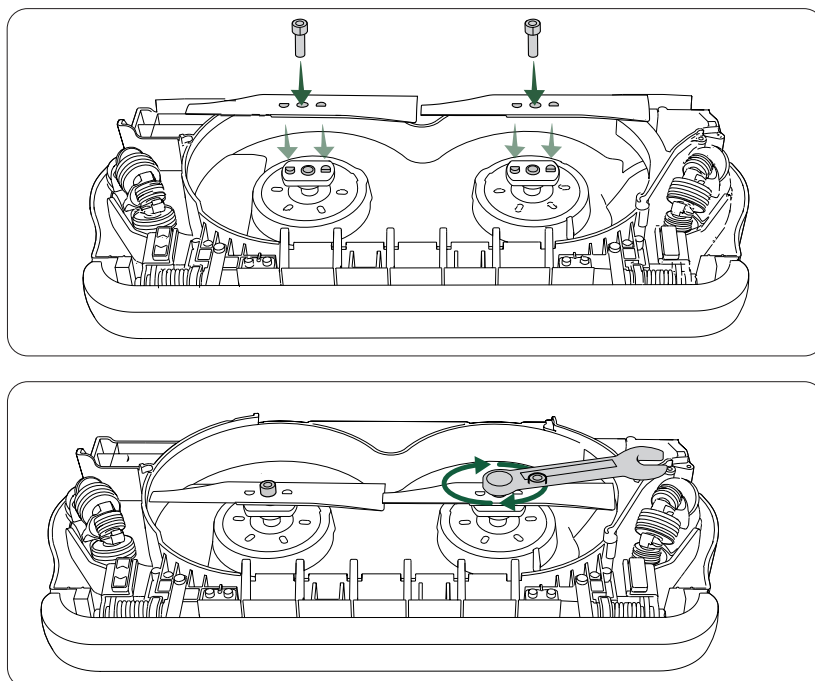


2. Match and install the replacement blade on each side.

Left/Right blade: Each side align with two semicircular columns.

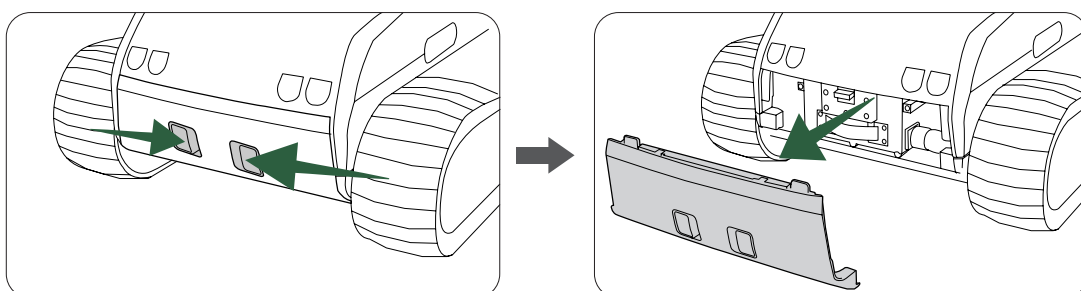


3. Once the blade is properly aligned and seated, tighten the nut securely with a wrench.

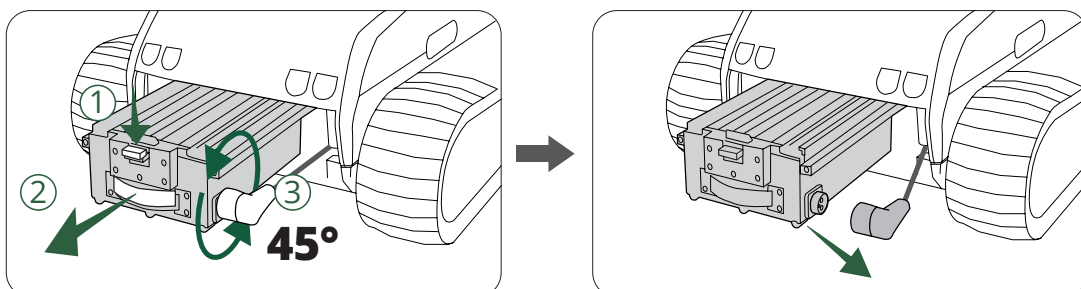


5.4 Replacing the Battery

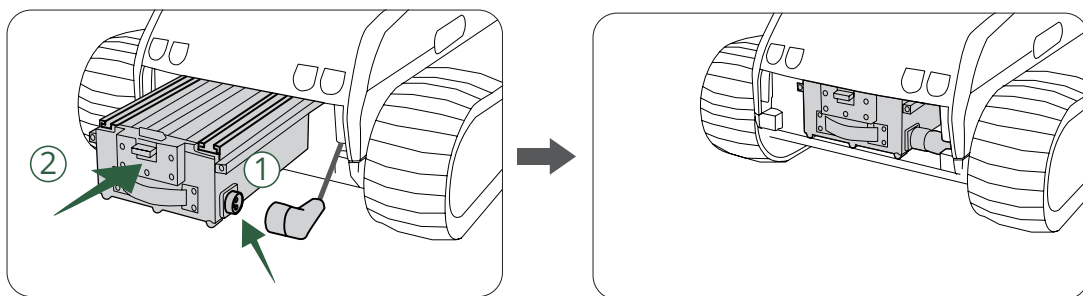
1. Press both tabs inward, then pull the back cover outward to release and remove it.



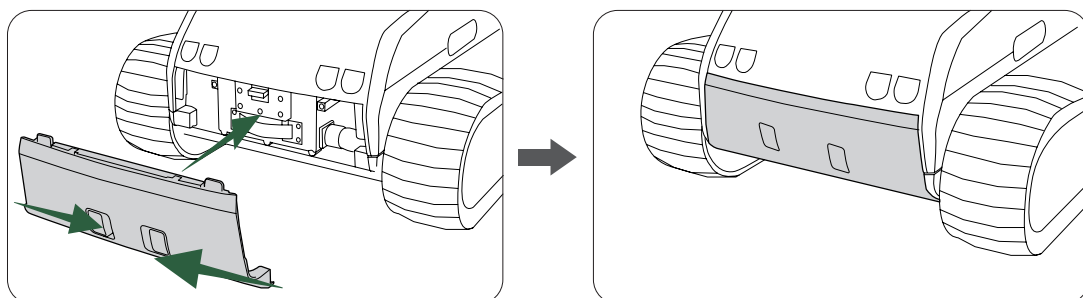
2. Press down the release latch and pull outward to remove the battery. Rotate the green locking ring 45° counterclockwise, and pull it outward to disconnect the power connector.



3. Get the new battery, plug in the power connector, align it horizontally with the guide rails inside the battery case and push firmly while hearing a click indicates the battery is properly seated.

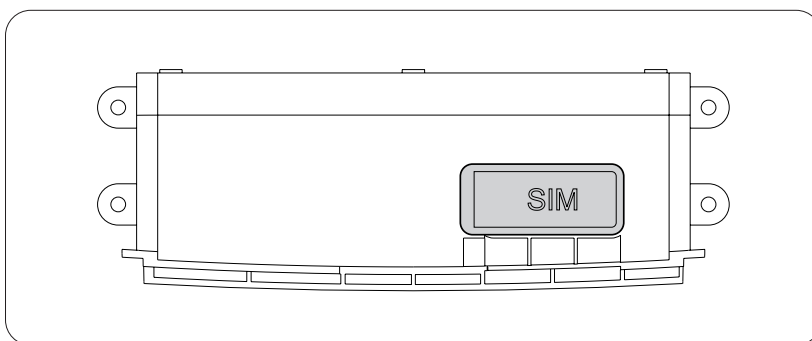


4. Press both tabs inward again to reattach and secure the back cover.



5.5 Replacing the 4G SIM Card

- Press both tabs inward to release and remove the back cover.
- Open the waterproof rubber plug, then use the SIM-eject tool to eject the SIM card tray.
- Place the SIM card into the tray, then push the tray back into the slot.
- Replace the waterproof rubber plug and press it back into place, then press both tabs inward again to reattach and secure the back cover.



5.6 Battery Care

To ensure optimal performance and extend battery life, follow these battery care guidelines:

- Charge regularly using the official Lymow charging station.
- Avoid full discharge—recharge when battery level drops below 10%.
- For long-term storage when fully charged, it is recommended to maintain the voltage below 95% of the standard charging voltage.
- For better performance, the recommended charging temperature range is between 5°C(41°F)–35°C (95°F).
- Avoid operation below -10°C (14°F) or above 50°C (113°F).
- Clean the charging contacts on both the mower and the station regularly to maintain proper connectivity.

5.7 Storage

If the Lymow One Plus will be left unused for an extended period, follow these steps for proper storage:

- Charge the battery to 60–70% before storage.
- Power off the mower completely.
- Store the unit in a cool, dry, and well-ventilated area, away from direct sunlight and freezing temperatures.
- Do not leave the mower or battery exposed to moisture or high humidity.
- If the battery will not be used for an extended period (15 days or more), remove it from the mower to prevent rapid self-discharge and over-discharge while installed.
- To prevent excessive discharge, recharge the battery periodically to maintain a charge level between 20% and 50%. Recharge the battery every 6 months.

Winter Storage

When outdoor temperatures drop below -15°C (5°F), it is recommended to store key components indoors. Follow these steps for proper winter storage:

- Bring the mower and charging station indoors.
- For the RTK station, remove the RTK reference station unit and store it indoors to prevent weather damage. The mounting pole can remain outdoors.
- If you choose to store all RTK station components indoors, ensure they are reinstalled in exactly the same position in spring. Any change in location may cause mapping errors, requiring the area to be remapped.
- Thoroughly clean the mower and ensure all surfaces are completely dry before storage.
- Disconnect the battery cable.
- Remove the battery if possible for safer long-term storage.

6 Product Specification

Cutting System	
Blade Type	Rotary Mulching Blades / Super Swing Blades / Razor Blades
Mowing Speeds	0.3 - 1.0 m/s 1.0 - 3.3 ft/s
Cutting Height	30 - 100 mm / 1.2 - 4.0 in
Cutting Width	400 mm / 16 in
Blade Speed	3000 - 6,000 RPM
Rated Power Output	680 W
Peak Power Output	1785 W
Maximum Coverage per Day	7,000 m ² / 1.73 acres
Mow Up to	48,562 m ² / 12 acres
Maximum Coverage per Charge	2,300 m ² / 0.57 acres

Smart Features	
Navigation	RTK + VSLAM
RTK Coverage Radius	Up to 1 km / 3,200 ft
Mowing Area Without RTK	100 m ² - 150 m ² 0.025 - 0.037 acres
Mowing Time Without RTK	Up to 10 minutes
Multi-Zone Management	Up to 80 zones
Connectivity	Bluetooth, Wi-Fi, and 4G

Cliff detection	2 Hall sensors
Obstacle Avoidance	AI vision + 5 ultrasonic sensors + 2 Hall sensors

Tracked Treads	
Slope Handling	Up to 45° (100% incline)
Obstacle Climbing Height	50 mm / 2 in

Battery	
Type	LiFePO ₄
Capacity	15,000 mAh (15 Ah)
Model	LM-3615
Charging Temperature Range	Refer to IEC 62133-2 report 3°C - 57°C
Charging Temperature Range (Environment)	3°C - 57°C
Rated Voltage	35.2 V
Charging Voltage	40.5 V (10A charger) 39 V (5A charger)
Charging Time	90 minutes 10% to 90% (10A charger) 150 minutes 10% to 90% (5A charger)
Maximum Runtime	3 hours
Lifespan	2,000 charge cycles*

* Values marked with an asterisk are based on laboratory measurements; actual performance may vary depending on usage and environment.

General Info	
Water Resistance	IPX6
Operating Ambient Charge Temperature	3°C to 57°C 37°F to 134°F
Operating Ambient Discharge Temperature	-17°C to 57°C 1°F to 134°F
Storage Temperature	-20°C to 55°C -4°F to 131°F
Product Weight	35.2 kg / 77.6 lbs
Product Dimensions (L × W × H)	750× 600× 320 mm 29.5 × 23.6 × 12.6 in
Package Weight	47 kg / 103.6 lbs
Package Dimensions (L × W × H)	1007 × 693× 430 mm 39.6 × 27.3 × 16.9 in

* Values marked with an asterisk are based on laboratory measurements; actual performance vary depending on usage and environment.

7 Warranty & Support

7.1 Warranty

Lymow provides a 2-year warranty for defects related to manufacturing or shipping. However, damage due to user error, disassembly, improper maintenance, as well as wear on consumable parts (see table below) are not covered. We stand behind our products and services and are happy to provide ongoing technical guidance. After-sales service includes, but is not limited to, professional mail-in repair or exchange, technical guidance, and other available solutions.

Components	Warranty Period
Lymow One Plus (Excluding tracks and blades)	2 years
Tracks and blades	No warranty

Warranty Limitations

Lymow's sole responsibility during this warranty period is to choose to repair or replace the product. Any implied warranties or conditions (including merchantability, fitness for a particular purpose, or other aspects) are limited in duration to the duration of the express warranty stated above. In no event shall Lymow be liable for any loss, inconvenience, or damage, whether direct, incidental, consequential, or otherwise, arising out of the breach of any express or implied warranty or condition (including merchantability, fitness for a particular purpose, or other aspects), unless otherwise required by law. Certain jurisdictions may not allow the limitation of the duration of implied warranties, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights that vary from region to region.

It is the responsibility of the consumer to regularly inspect the product to determine if normal maintenance or replacement is required.

The following conditions are not included

- × Lymow products that have been modified, neglected, improperly maintained, used for commercial purposes, misused, or abused, or involved in accidents.
- × Product damage caused by incorrect assembly or repairs.
- × Damage caused by factors unrelated to material and workmanship, including but not limited to the user's lack of technical skills, abilities, or experience.
- × Damage to the product's surface coating, aesthetics, or appearance.
- × Labor costs incurred for disassembly, reinstall, and adjustment of the product within unauthorized assembly.
- × Normal wear and tear of the product.

The warranty applies to the following products within the specified period

If your Lymow products are purchased on the Lymow official website.

For **in-stock** products, the warranty period starts on the day after the package is delivered or the day of device activated.

For **pre-order** products, the warranty period starts on the day after the package is delivered or the day of device activated.

If the device has not been activated 30 days after the package is delivered, the warranty period starts on the day after the package is delivered.

7.2 Support

If you need help, please Visit: <https://www.lymow.com/pages/help-center>.

For assistance in claiming the warranty, please contact the Lymow customer service team (support@lymow.com).

To contact the customer service team, please have a valid proof of purchase (sales receipt or invoice) with the date of purchase and the serial number of the product. If you have purchased the product from an official Lymow store (<https://lymow.com/>), the order number is sufficient as proof of purchase.

The customer service team will carry out an initial fault diagnosis and provide you with solutions. For this purpose, the customer service team may ask you to download or install certain software updates. Please follow any instructions given by the customer service team. If the fault cannot be rectified, please send the product to the service station specified by the customer service team.

Use the original carton and the original packaging material of the product for shipping or provide equivalent packaging and equivalent packaging material. Pack the product in such a way that any damage caused by improper packaging during transportation is avoided (e.g. by providing sufficient padding). Lymow is not liable for damage caused by improper packaging during transportation.

Lymow will bear the shipping costs, unless Lymow determines that the product is not under warranty after checking the product. Lymow will then provide you with a free shipping label that you can use for shipping.

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.
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.

CE Compliance Statements

Frequency Band(s) in Which the Radio Equipment Operates / Maximum RF Output Power.

Wi-Fi (2.4 GHz): 20 dBm

Bluetooth: 10 dBm

LoRa (863–870 MHz): 25 mW

LTE (B1/B3/B5/B7/B8/B20/B28/B38/B40/B41): 25 dBm

GNSS: BDS, GPS, GLONASS, Galileo, QZSS

RF Exposure Compliance

This equipment complies with FCC/CE 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.

EC/EU DECLARATION OF CONFIRMITY

Manufacturer: Lymow Technology Co., Ltd

Address: Huakong Mansion, Building 3, No. 1 Shangdi East Road, Haidian District, Beijing

Authorized Representative: Ocean Trading GmbH

Address: Str.10, 10963, Berlin, Germany

Tel/Mobile: 0049-30/25758899

Herewith declares that the Machinery:

Generic Designation: Robotic Lawn Mower

Product Name: Lymow One Plus

Type / Model: Lymow One Plus

Described As: Robotic Lawnmower for Grass Cutting

Cutting Width: 400mm Power: 498.2Wh / 900Wh

Complies with the following Directives,

2006/42/EC

2014/53/EU

ROHS 2.0

Standards conform to,

EN 60335-1:2012+A11+A13+A1+A14+A2+A15

EN 50636-2-107: 2015+A1+A2+A3

EN ISO 12100: 2010

EN 62233:2008,

EN IEC 62311:2020

EN 62479:2010

EN 301 489-1 V2.2.3,

EN 301 489-3 V2.3.2,

EN 301 489-17 V3.3.1,

EN 301 489-19 V2.2.1,

EN 301 489-52 V1.3.1,

EN IEC 55014-1:2021,

EN IEC 55014-2:2021,

EN IEC 61000-3-2:2019+A1+A2,

EN 61000-3-3:2013+A1+A2,

EN 301 908-1 V15.2.1,

EN 301 908-13 V13.3.1,

EN 303 413 V1.2.1,

EN 300 328 V2.2.2,

EN 300 220-2 V3.1.1

Signed for and on behalf of: Lymow Technology Co., Ltd.

Place: Beijing, China

Date: 2026-01-08

Name: Wangshu Gao

Function: Chief Executive Officer

Signature:

Wangshu Gao

The logo consists of the word "LYMOW" in a white, uppercase, sans-serif font. The letters are widely spaced and centered horizontally. The background is a dark charcoal grey, with a large, dark green geometric shape on the right side that resembles a stylized leaf or a folded corner.

LYMOW