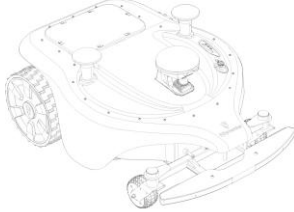
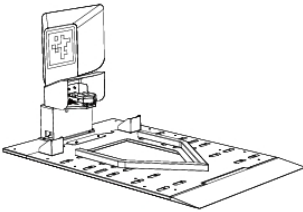

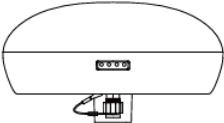
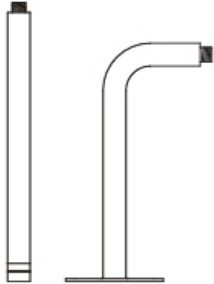
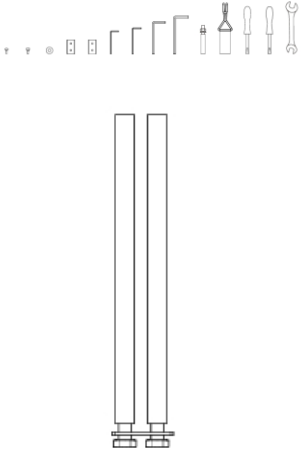


Titan-Quick Start Guide

1. What's in the Box

1.1 Packing List

| | | |
|---|---|---|
|  |  |  |
| FJD-Titan Robotic Lawn Mower | Charging Station | Power Cable |
|  |  |  |
| RTK Base Station | RTK Bracket | Tool set |

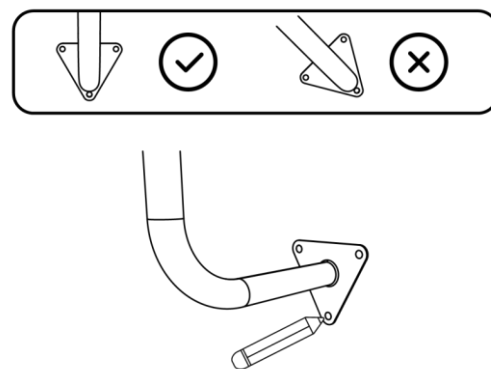
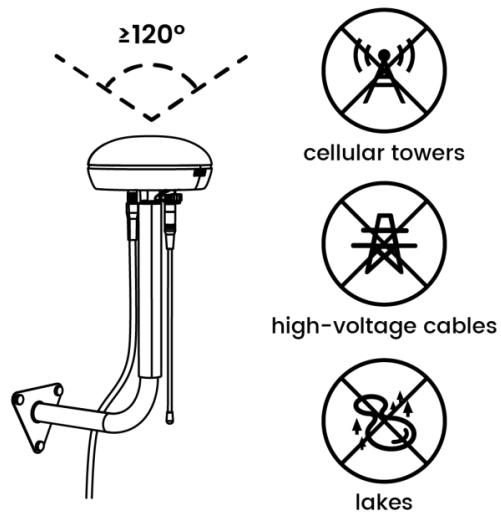
2. RTK Base Station Setup

1. Find an ideal location for the RTK base station

- A flat spot with a 120 degree clearance above the RTK base station free of any obstruction.
- Keep the antenna away (at least 500 meters/1600 ft) from cell tower, high-voltage cables, and bodies of water like lakes, as they may affect satellite signal reception.

2. Ensure the mount or tripod is stable and secure.

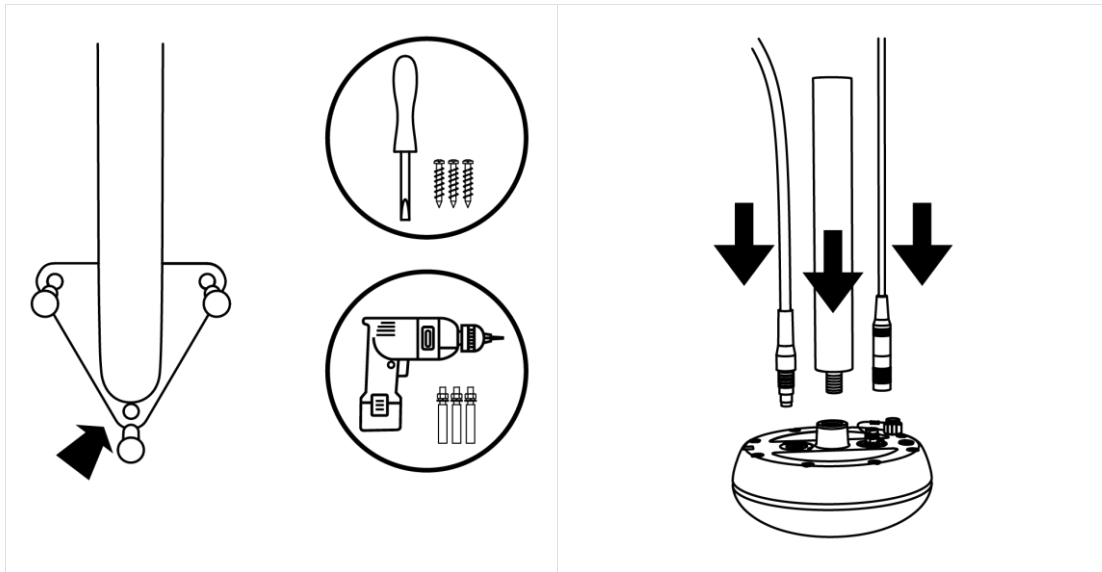
- a. The RTK antenna should point vertically upward for best reception.



3. Select the correct screws for your wall type and drill holes at the marked spots.

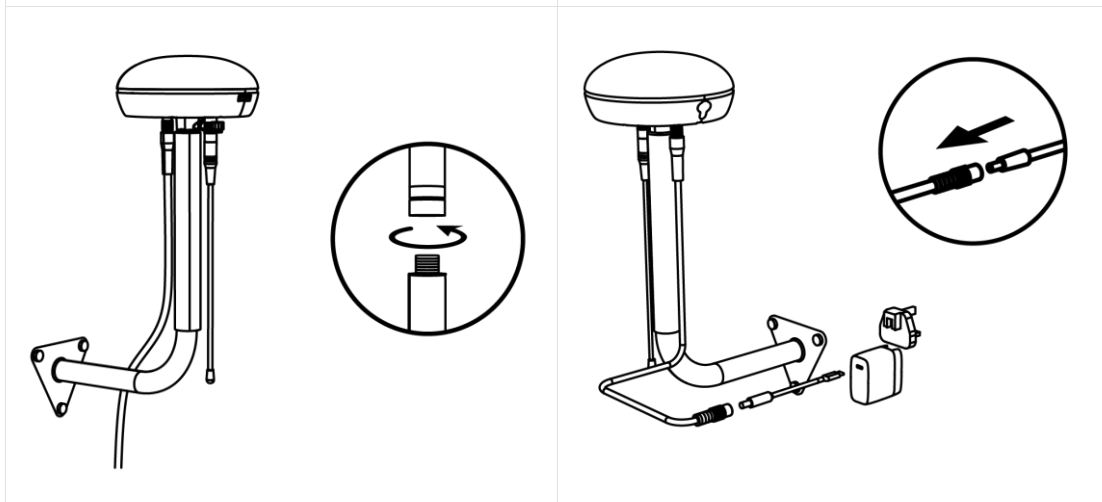
- a. **Wooden wall:** Use M6 screws and a screwdriver.
- b. **Concrete wall:** Use M8 expansion screws and a power drill (bring your own).

4. Connect the vertical pole, RF antenna and power cable to the RTK base station (5 m).



5. Tighten the two mounting rods.

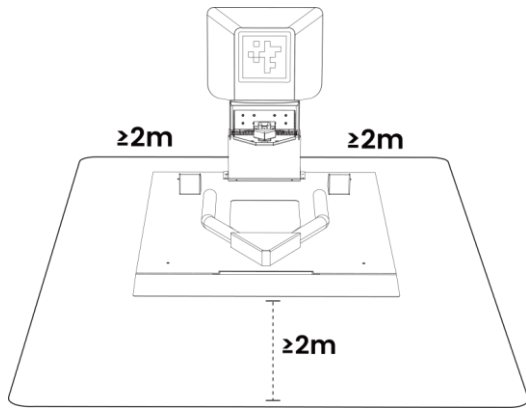
6. Plug the DC to USB-C cable, adapter, and power adapter plug into a power outlet and turn on the RTK base station.



3. Charging Station Setup

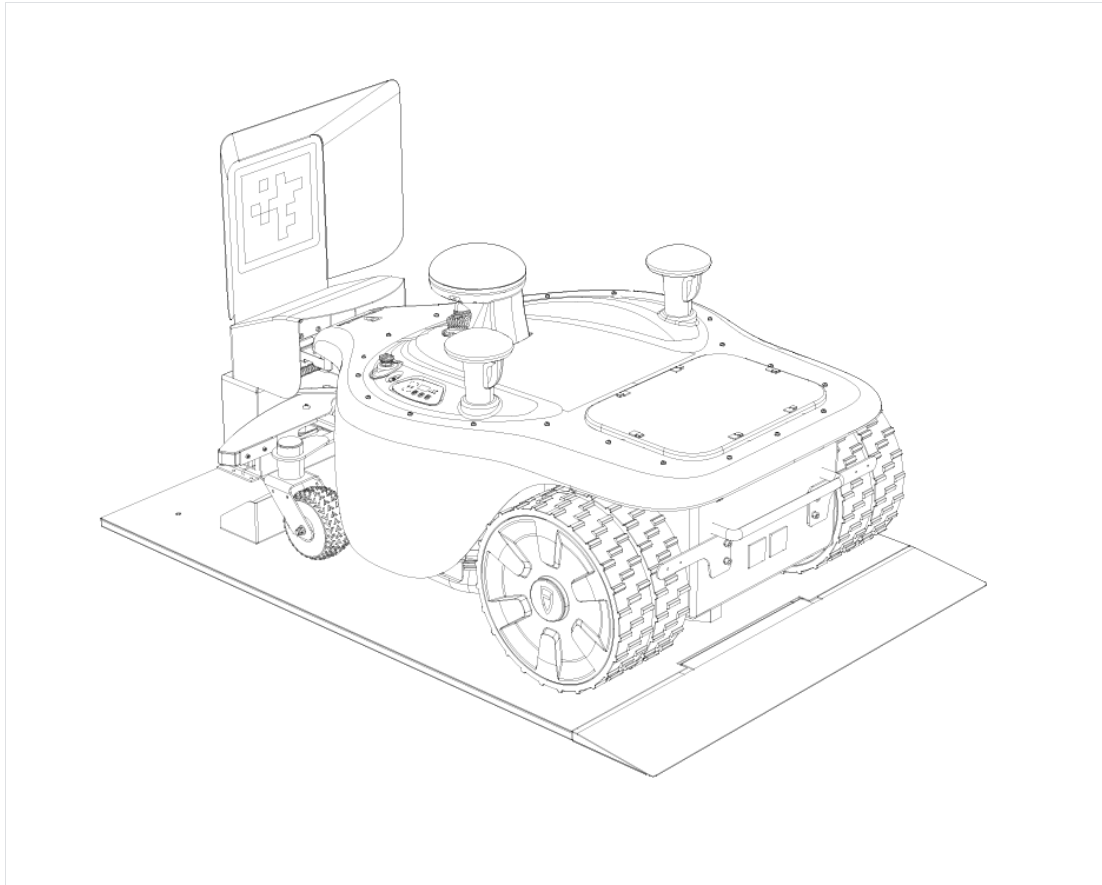
- Place the charging station and the weather shed on a flat surface. There needs to be a 2 m (6 feet) radius around the charging station, and clearance with no hills, slopes, depressions, potholes or obstacles within 0.5 m behind the station.
 - Grass under the charging station board should be no higher than 5 cm (about 2 inches).
 - Secure the charging station on the ground.

- Plug in the power cable.



4. Dock the Mower

1. After setting up the charging station and RTK antenna, take out the mower and dock it to the charging station:
2. If the lawn mower cannot be turned on, you can open the two plastic panels at the back of the lawnmower and connect them using magnetic brakes to push the mower
 - Dock the mower with the charging station and wait for it to be powered on.
 - Turn on the mower after the charging station is connected to power.
 - Press the charging button on the control panel and wait for the mower to charge.




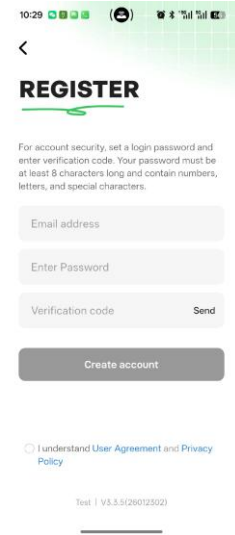
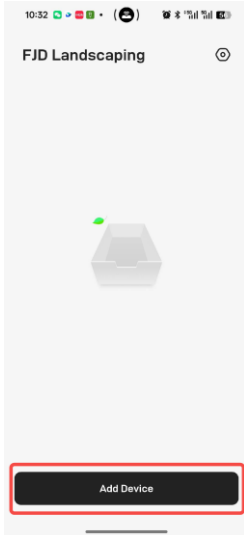
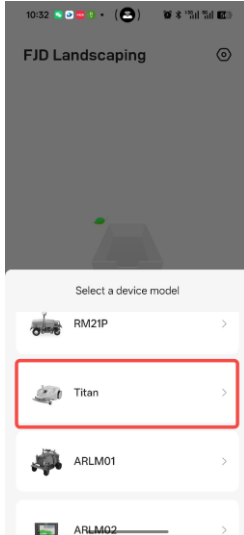
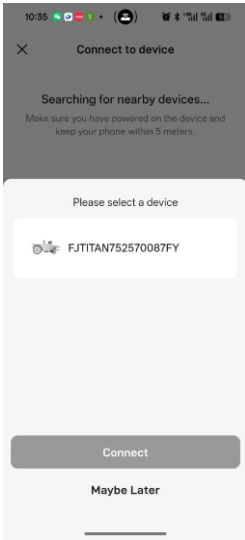
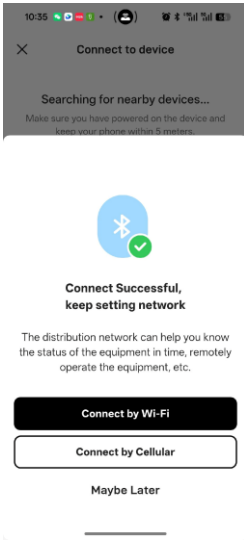
5. Connect App & Pair the Mower

1. Scan the QRcode and download the FJD Landscaping APP

2. Register an account and log in.

3. Enter "All Devices", turn on Bluetooth on your phone, then tap "Add device".

4. Select "Titan"

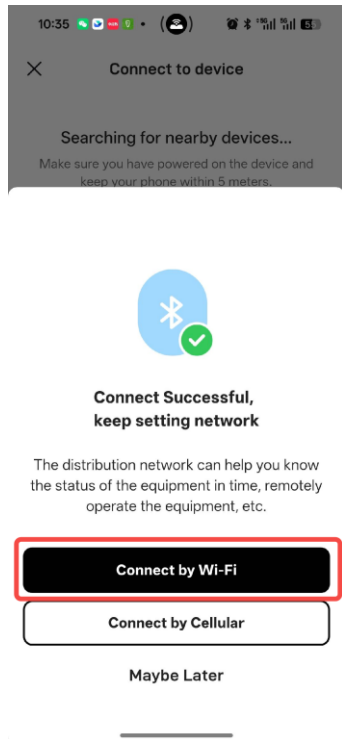
| | | | |
|---|---|--|---|
|  |  |  |  |
| <p>5. Follow app instructions to finish the mower settings. Done!</p> | <p>6. Enter network configuration mode.</p> | | |
|  |  | | |

6. Mower connect to network

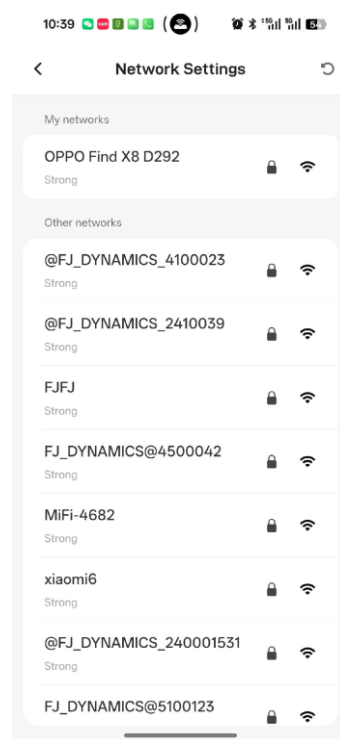
When adding a device for the first time, pair the mower to your phone's Bluetooth, and the network configuration will start.

6.1 Connect to Wi-Fi:

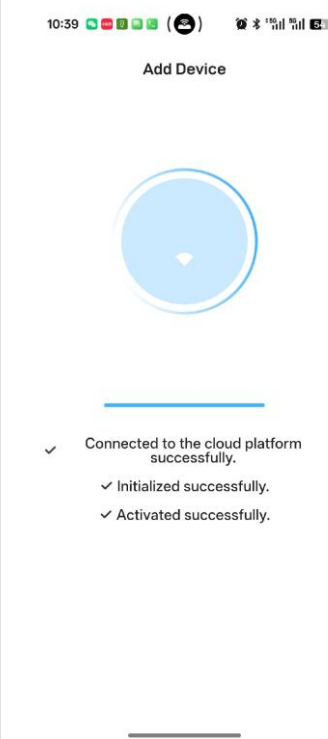
1. Tap "Connect with Wifi"



2. choose Wi-Fi, enter password



3. Add Device successfully



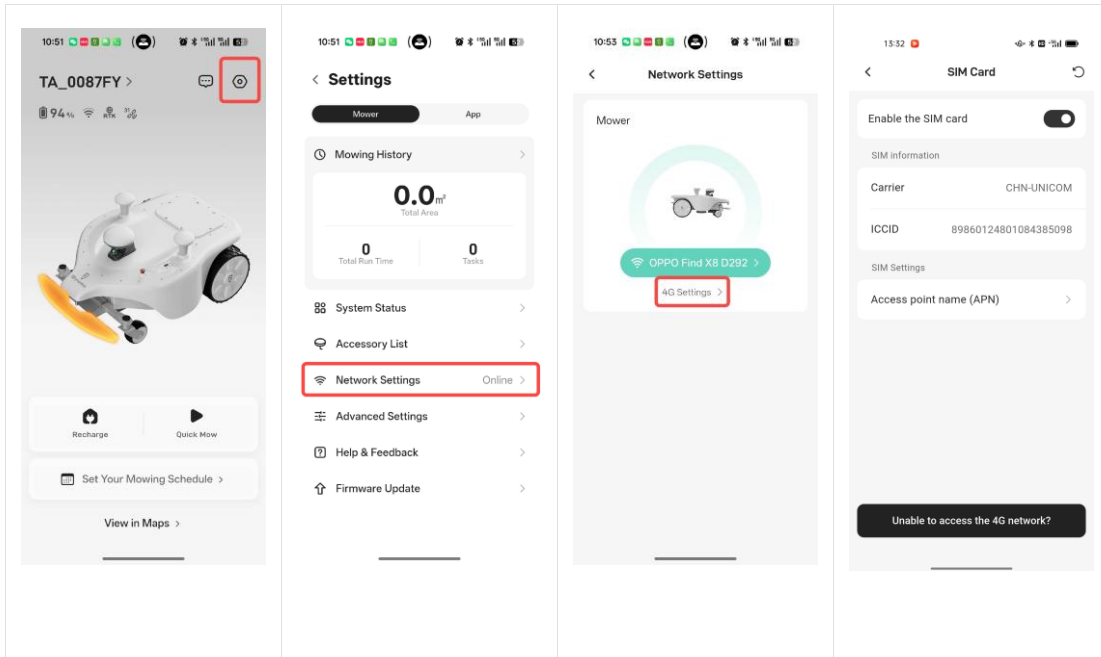
6.2 Change the network mode:

1. Tap the top right button "Set" in the main interface

2. Tap "Network Settings"

3. Click "4G Settings", waiting for page response, estimated 1 minute

4. Slide the SIM card switch to recognize the SIM card information and confirm successful SIM card recognition.



7. Set up Ntrip

Note: The lawnmower robot supports either Ntrip network RTK or local RTK base station solutions. Deploy either solution as needed.

Note: Follow the previous steps to correctly deploy and power on the robot.

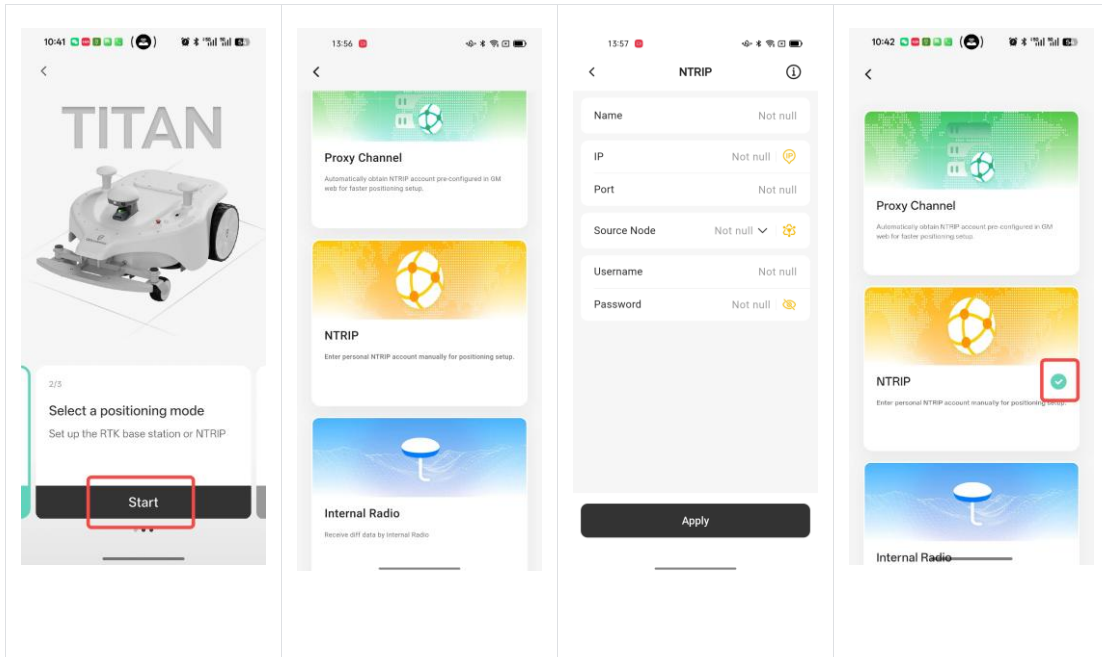
1. Click "Start"

4. Choose "NTRIP"

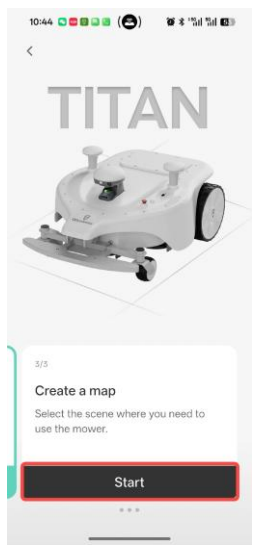
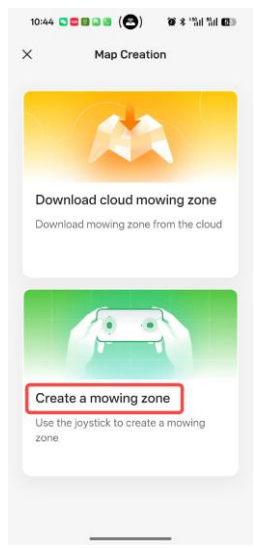
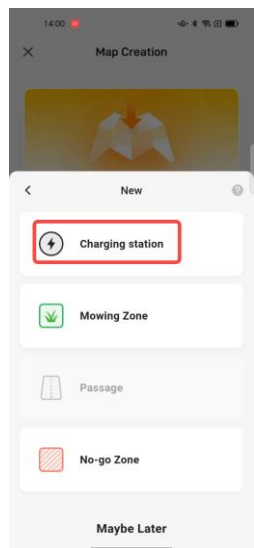

5. After filling in the NTRIP information, click "Apply".

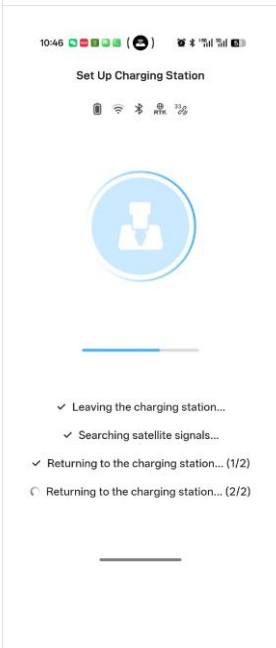
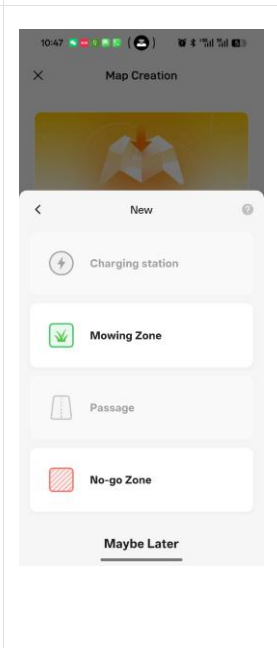
6. After successful Apply, the NTRIP mode will be displayed on the mode selection page.





8. Set up Charging Station

| | | | |
|---|---|--|---|
| <p>1. Click "Start"</p> | <p>2. Choose "Create a mowing zone"</p> | <p>3. Choose "Charging Station", follow the instructions on the APP</p> | <p>4. Click "next"</p> |
|  |  |  |  |
| <p>5. Mower is setting up the</p> | <p>6. Deployment complete, charging station</p> | | |

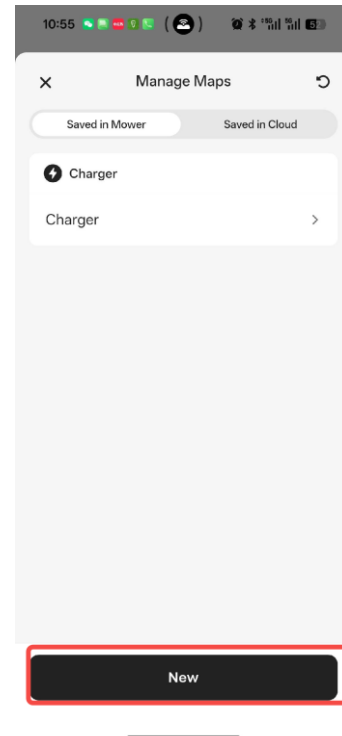
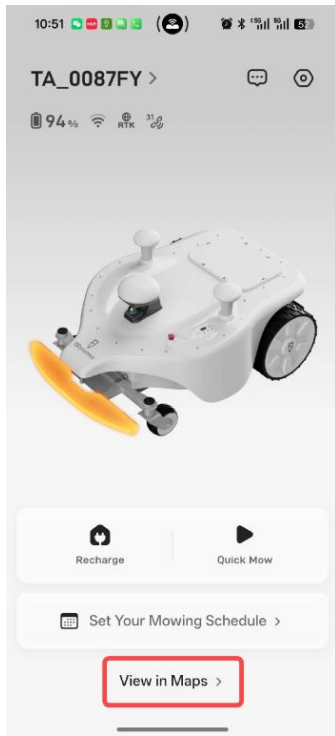
| charging station | turns gray. | | |
|---|---|--|--|
|  |  | | |

9. Mapping

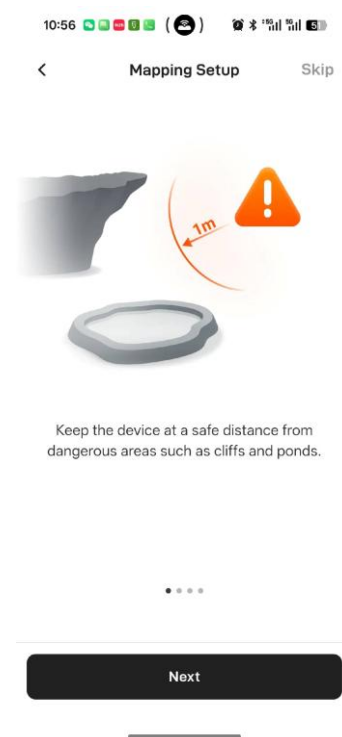
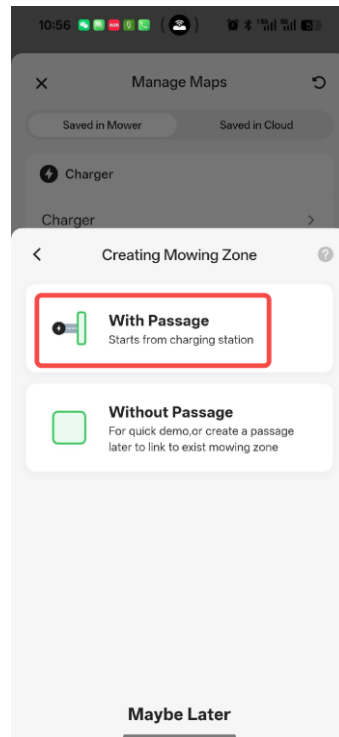
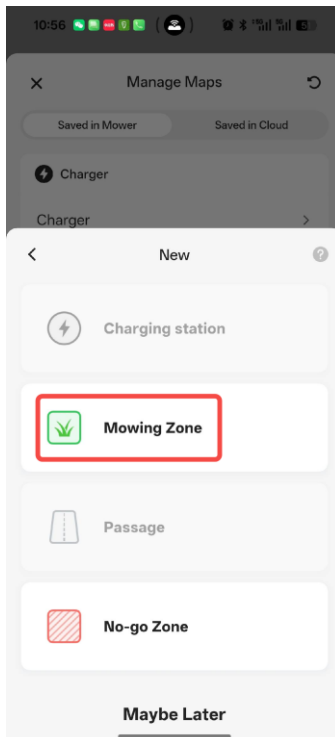
9.1 Create a working zone

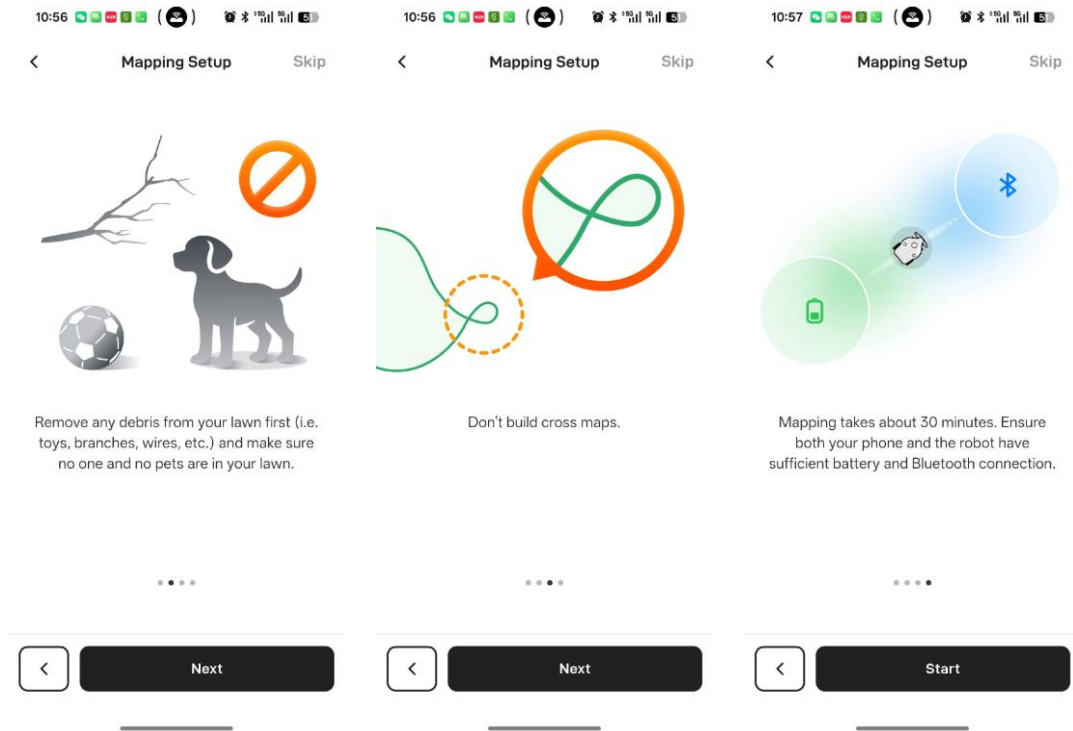
9.1.1 Working zone with Passage

1. Ensure the lawnmower is powered on, on the charging dock, and functioning normally, with a fixed lock, emergency stop button off, and battery level above 50%.
2. On the homepage, click {View in Map}, then {Manage Map}, and then click the {New} button;
3. If no charging station has been established yet, a message will appear asking if you wish to deploy one.
 - a. Tap to “New”, and the app will initiate a Bluetooth connection to the lawnmower robot.
 - b. After the APP connects to the lawnmower via Bluetooth, reads and confirms the charging station deployment requirements, the lawnmower will automatically move out of the charging station, and automatically return to the charging station after establishing the charging station location.
 - c. Once deployment is complete, a charging station icon will appear on the map.

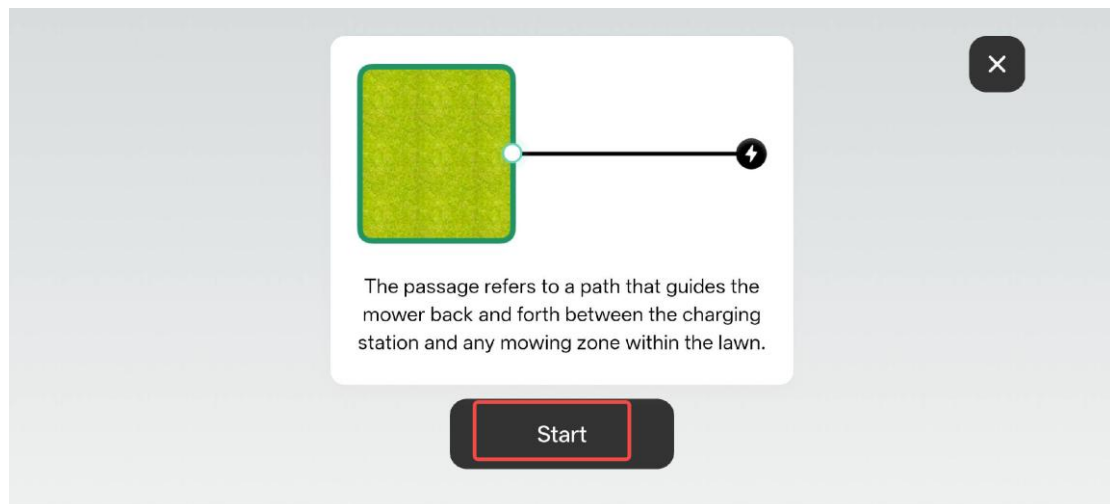


4. Select {Mowing zone}, {With Passage}, confirm the surrounding environment of the machine according to the mowing prompts, click Next, and finally click Start.

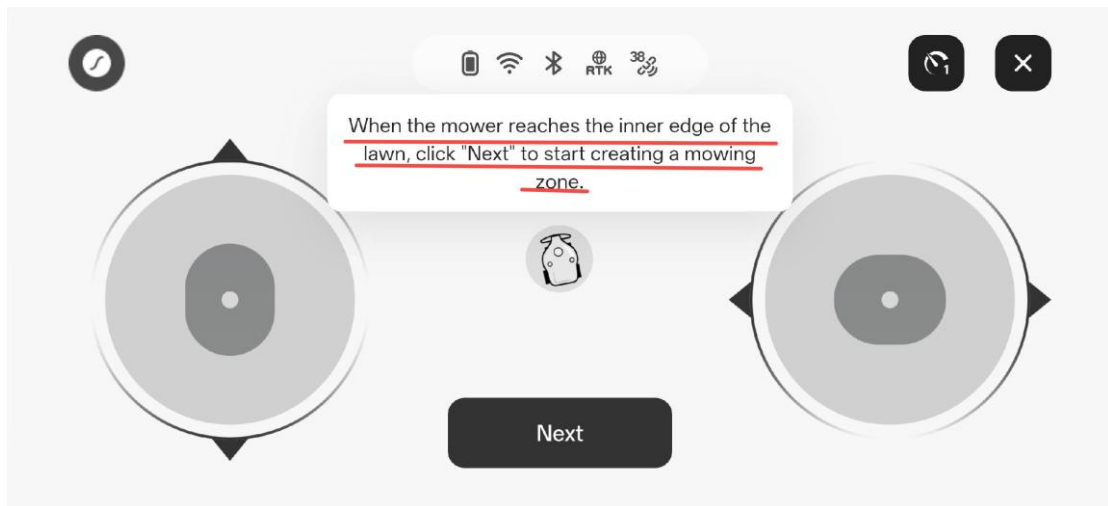




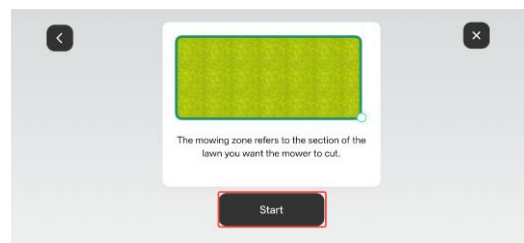
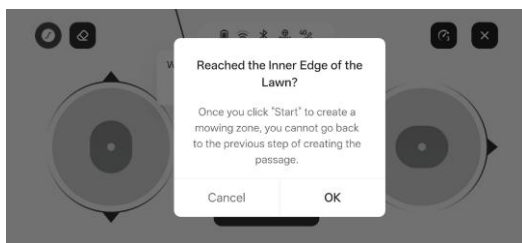
5. To proceed with the remote mapping process, click {Start};



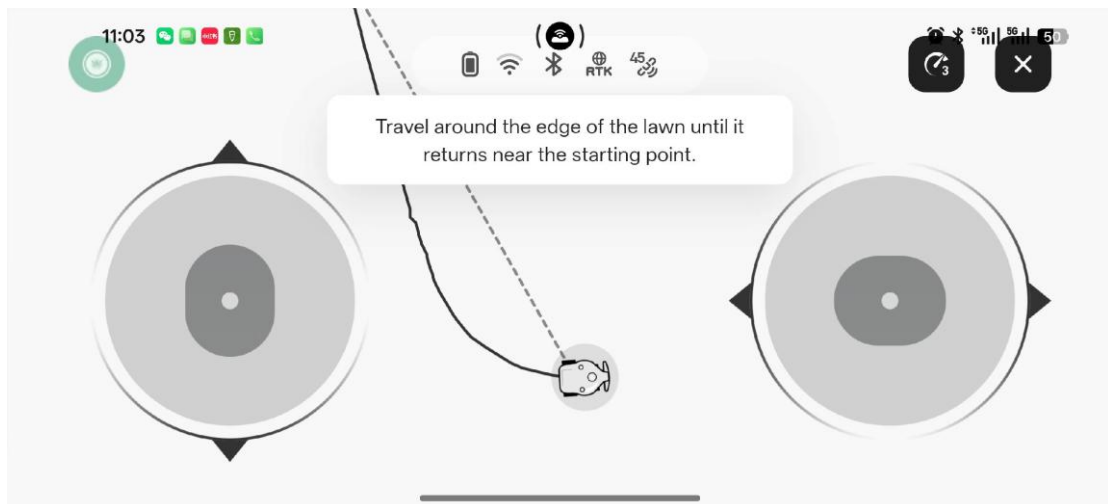
6. After remotely controlling the machine to the edge of the lawn, click {Next} to start creating the mowing zone;



7. Click {OK}, then {Start};



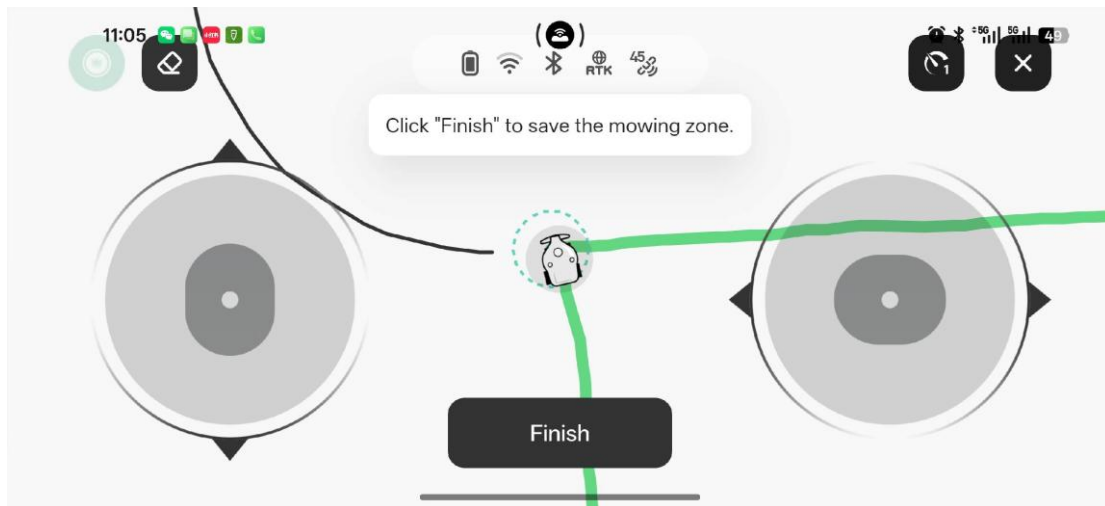
8. Remotely control the machine and mark out the mowing zone. Solid lines indicate the boundaries you have drawn, while dashed lines will help you return to the starting point.



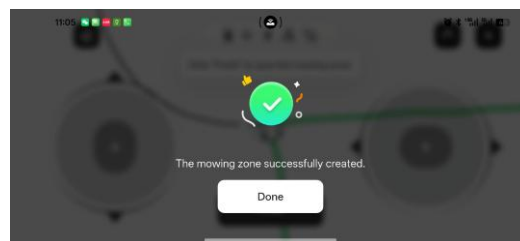
9. The mowing zone will not be created until you control the lawnmower robot back to the starting point and click "Done".

10. If needed, long press the {Erase button} and the lawnmower will rewind along the drawn path, erasing the boundaries of the rewinding work zone.

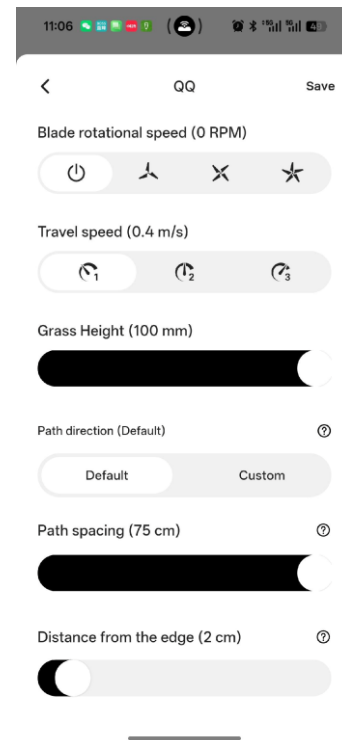
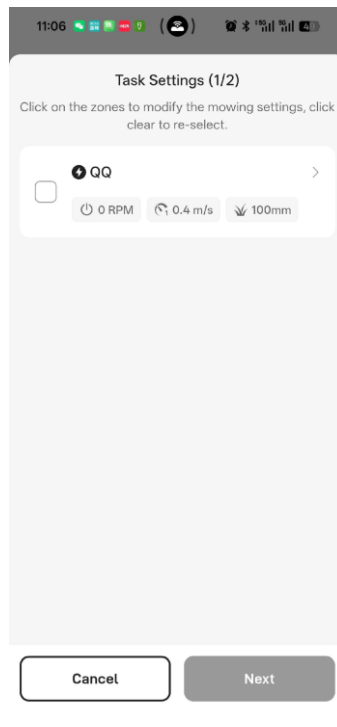
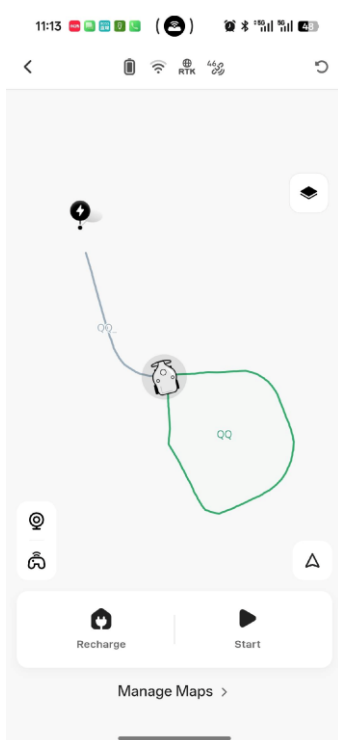
11. Control the lawnmower robot to move to the starting point and click {finish} to save the work zone.



12. Named work zone and Done.



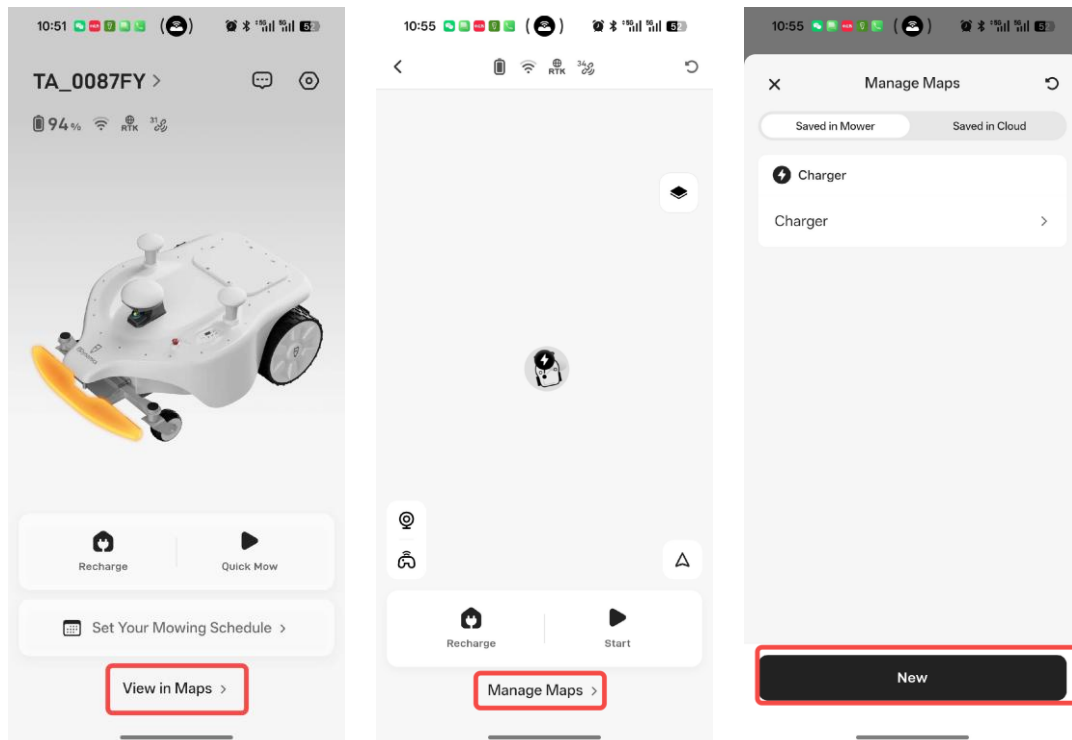
13. Select the default mowing configuration for this working zone of land, including grass height, cutter speed, movement speed, and planned path configuration.



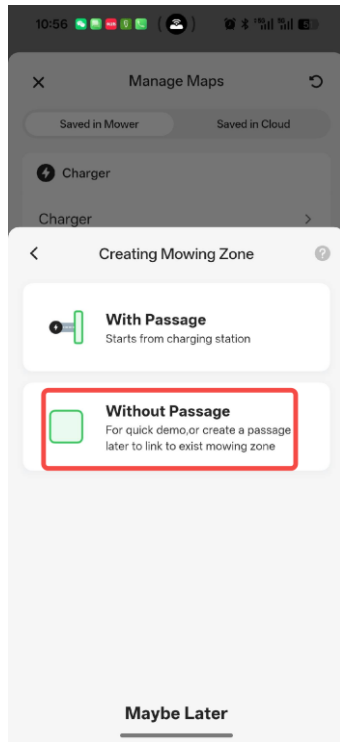
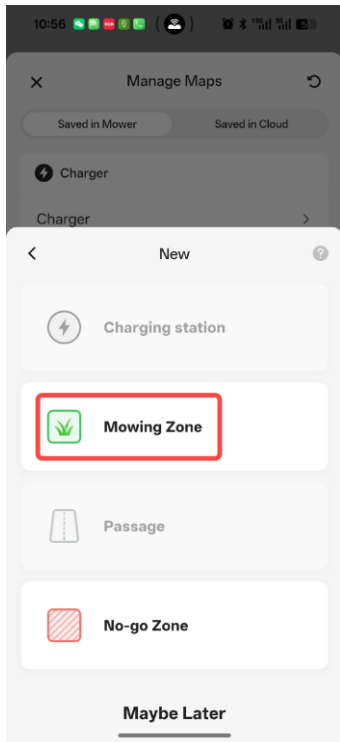
14. Complete the mapping process for zones where grass can be mowed.

9.1.2 Without Passage

1. Ensure the lawnmower is powered on, on the charging dock, and functioning normally, with a fixed lock, emergency stop button off, and battery level above 50%.
2. On the homepage, click {View in Map}, then {Manage Map}, and then click the {New} button;



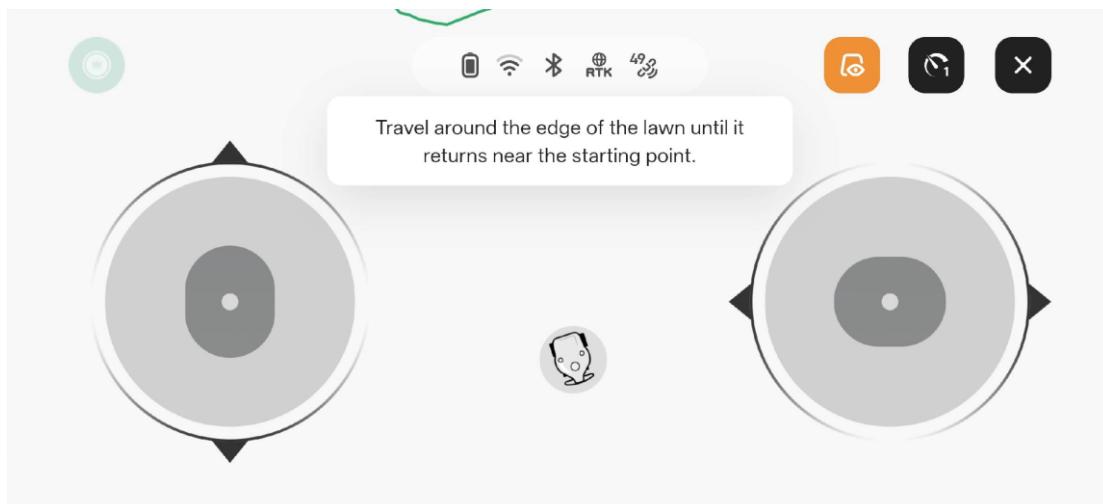
3. Select {Mowing zone}, {Without Passage}, confirm the surrounding environment of the machine according to the mowing prompts, click Next, and finally click Start.



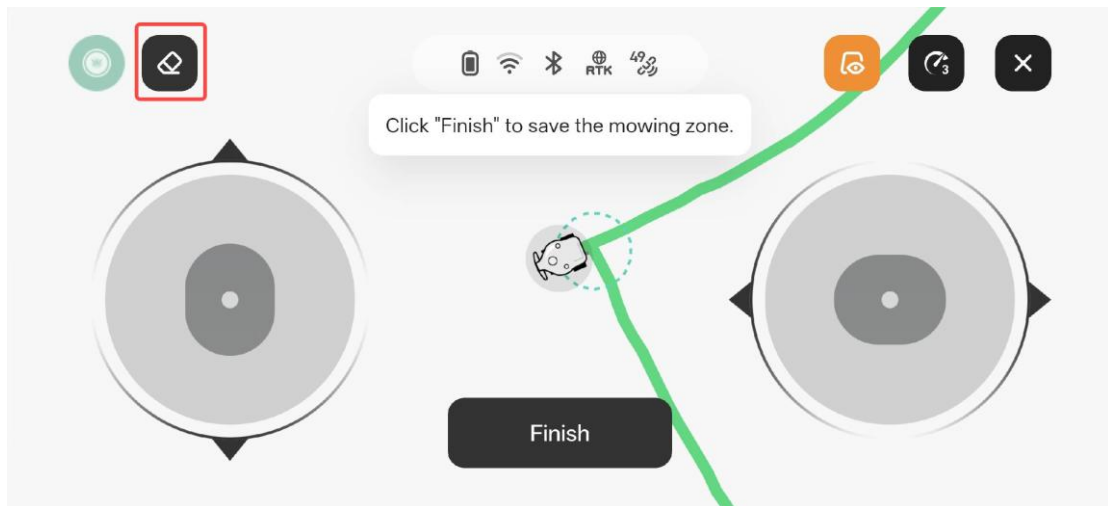
4. To proceed with the remote mapping process, click {Start};



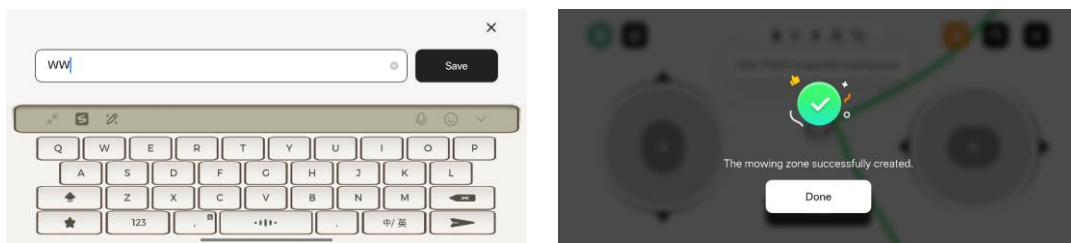
5. Remotely control the machine and mark out the mowing zone. Solid lines indicate the boundaries you have drawn, while dashed lines will help you return to the starting point.



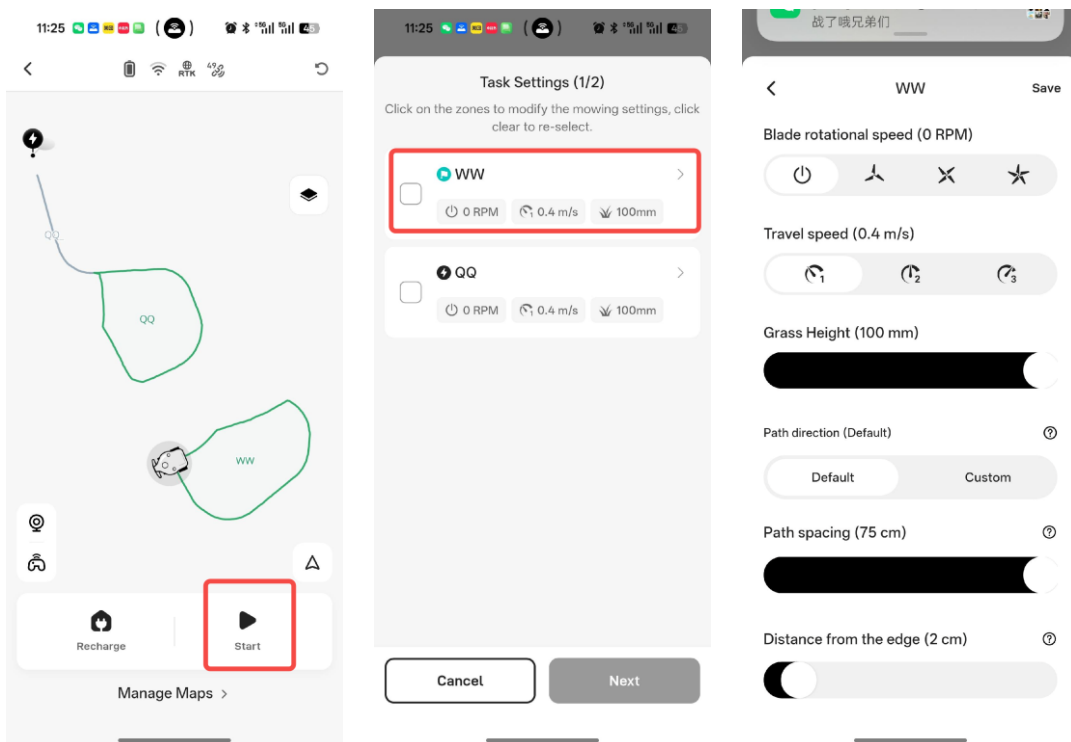
9. The mowing zone will not be created until you control the lawnmower robot back to the starting point and click "Done".
10. If needed, long press the {Erase button} and the lawnmower will rewind along the drawn path, erasing the boundaries of the rewinding work zone.
11. Control the lawnmower robot to move to the starting point and click {finish} to save the work zone.



12. Named work zone and Done.



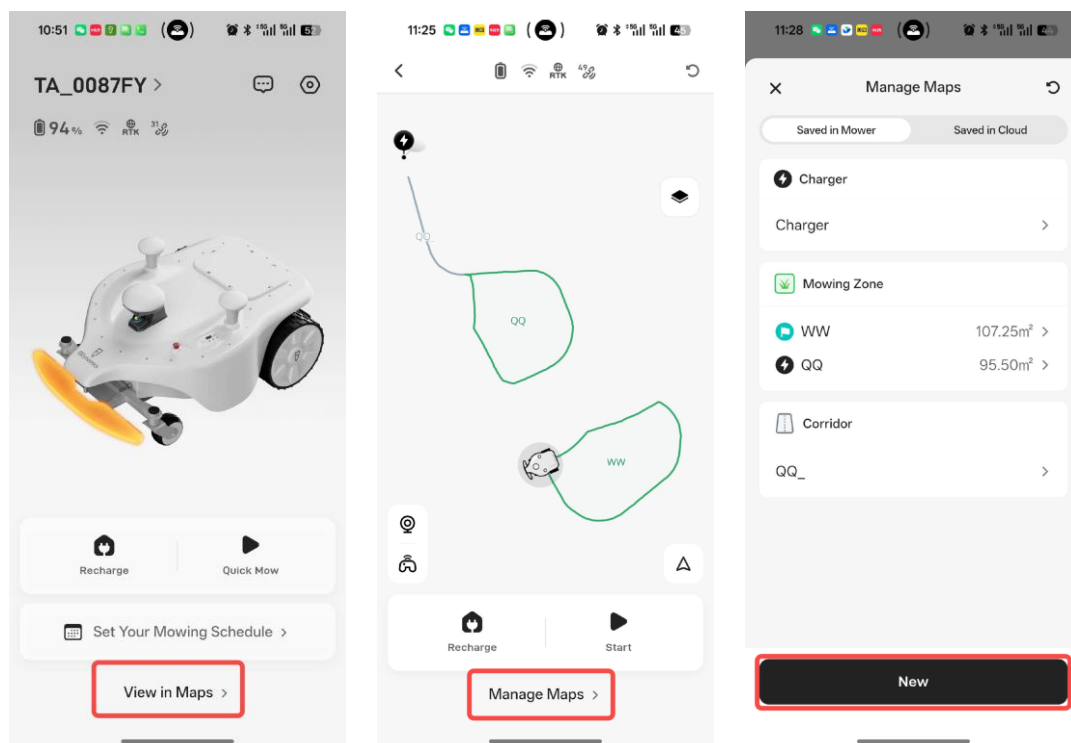
13. Select the default mowing configuration for this working zone of land, including grass height, cutter speed, movement speed, and planned path configuration.



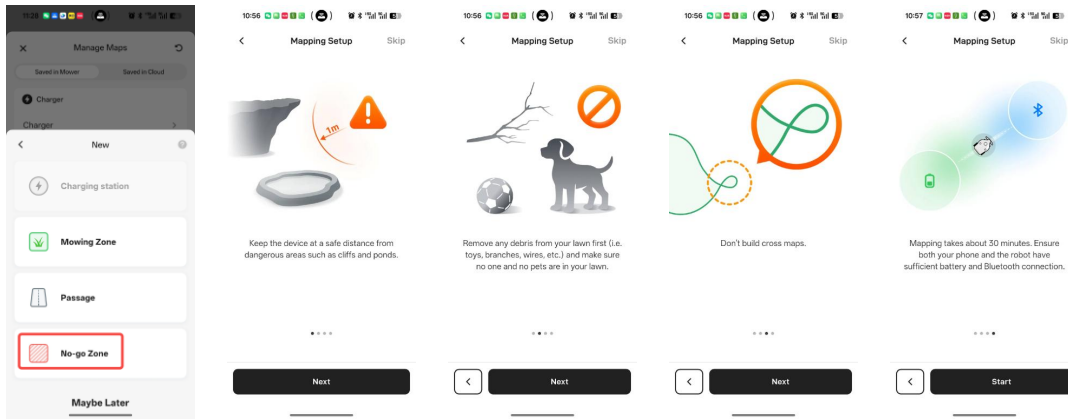
9.2 Create no-go zone

No-go zones include any obstacles on the lawn, such as sand traps, water barriers, trees, etc. The mower will not work in these designated zones.

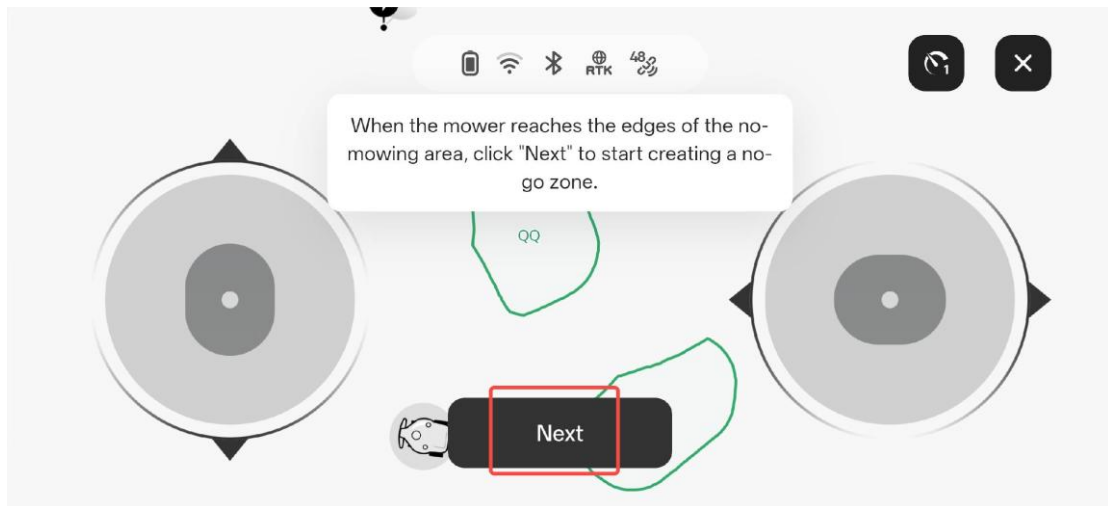
1. Make sure the mower is turned on, docked to the charging station and in normal working condition, the emergency button is off, and the battery level is recommended to be above 50%.
2. On the homepage, click {View in Map}, then {Manage Map}, and then click the {New} button;



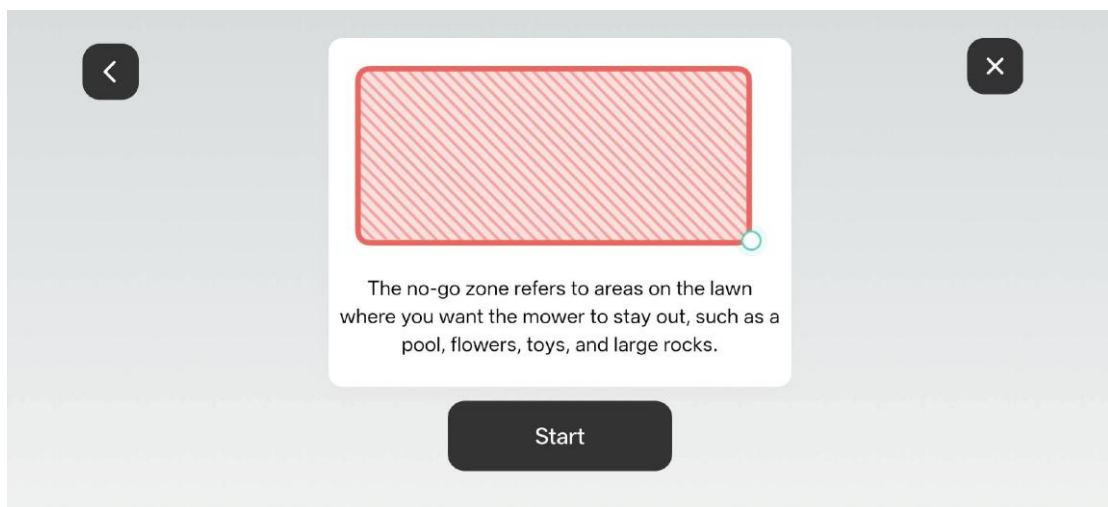
3. Select {No-go zone}, confirm the surrounding environment of the machine according to the mowing reminder, click {Next}, and finally click {Start}.



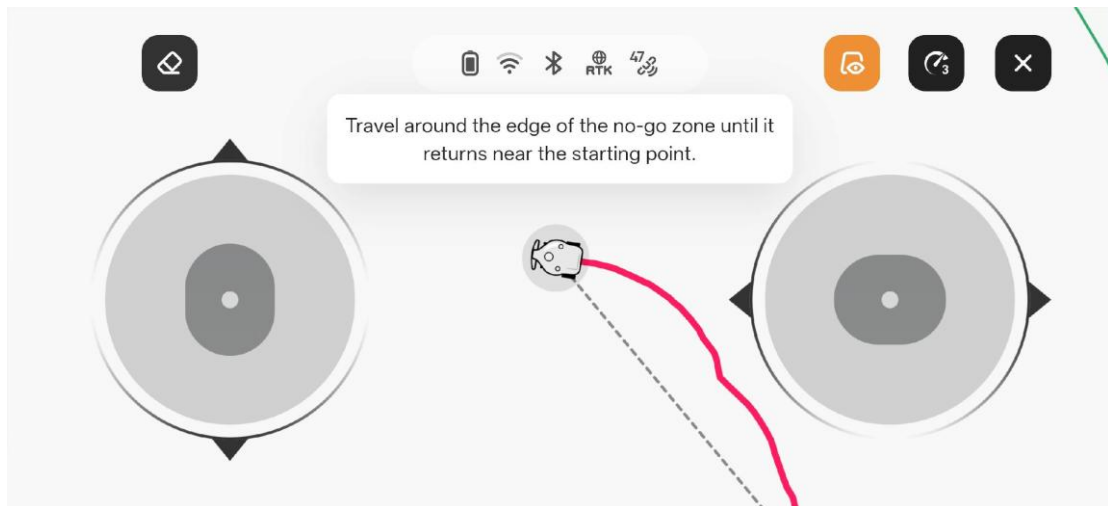
4. click {next}



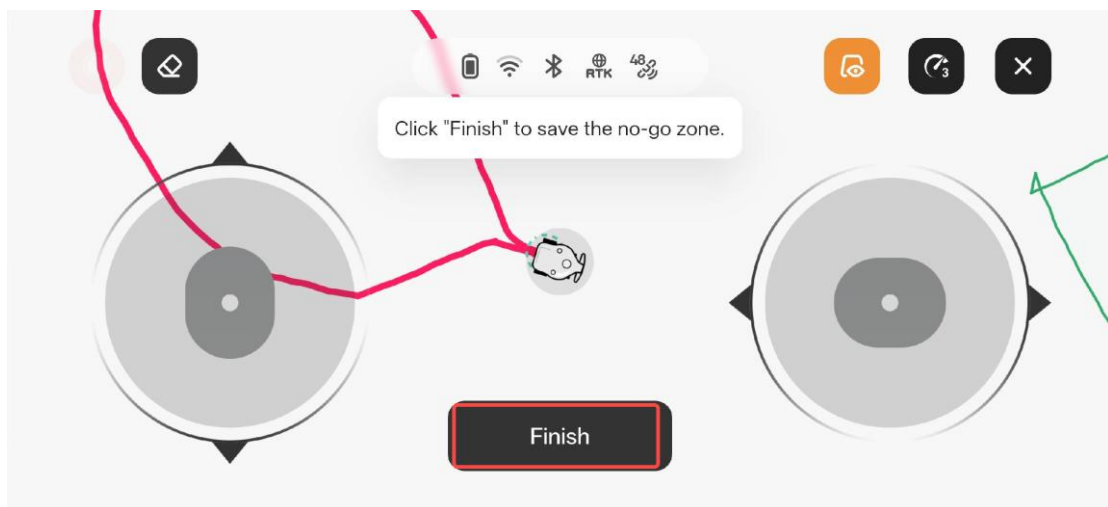
5. To enter the remote control no-go zone creation process, click {Start};



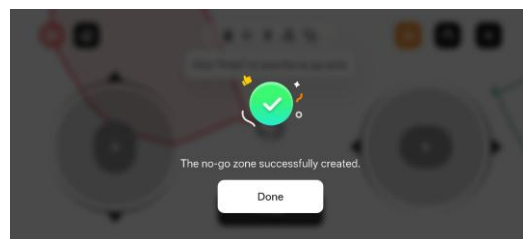
6. Remotely control the machine and mark the nogo zones. Solid lines indicate the boundaries you have drawn, while dashed lines will help you return to the starting point.



9. The prohibited zone will not be confirmed until you control the mower back to the drawing starting point.
10. If necessary, tap the {Erase} button, and the mower will retreat along the drawn path and erase the boundary of the prohibited zone.
11. Drive the mower back to the starting point and tap {Finish} button to save the no-go zone.



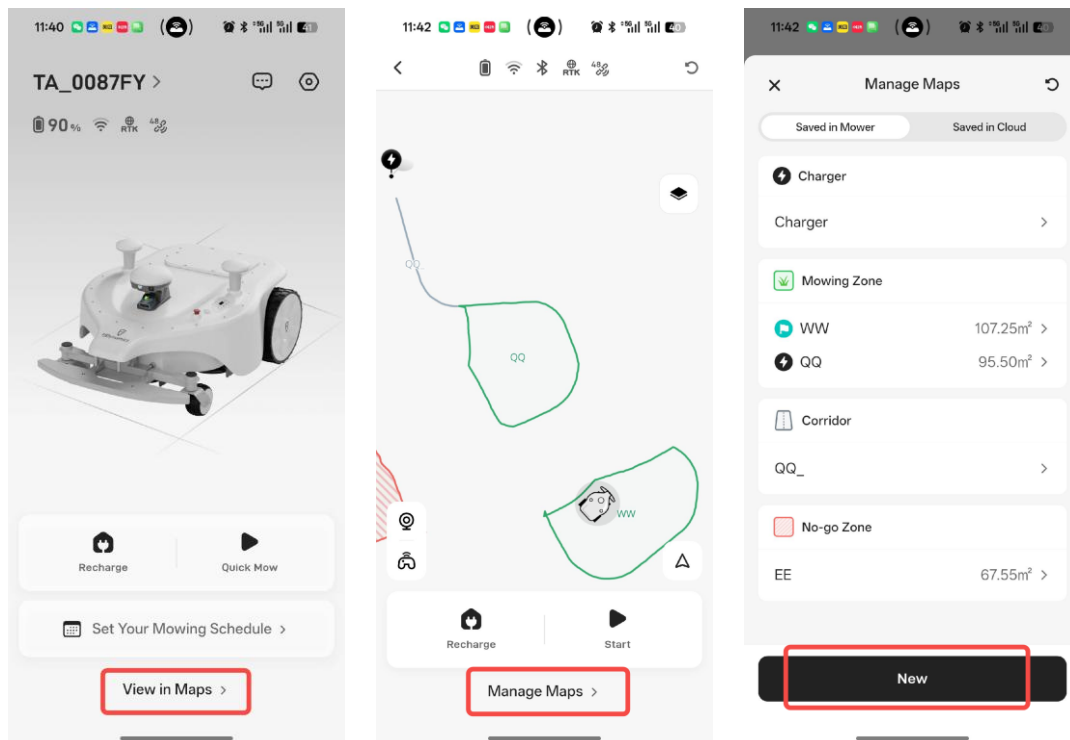
12. Named nogo zone and Done.



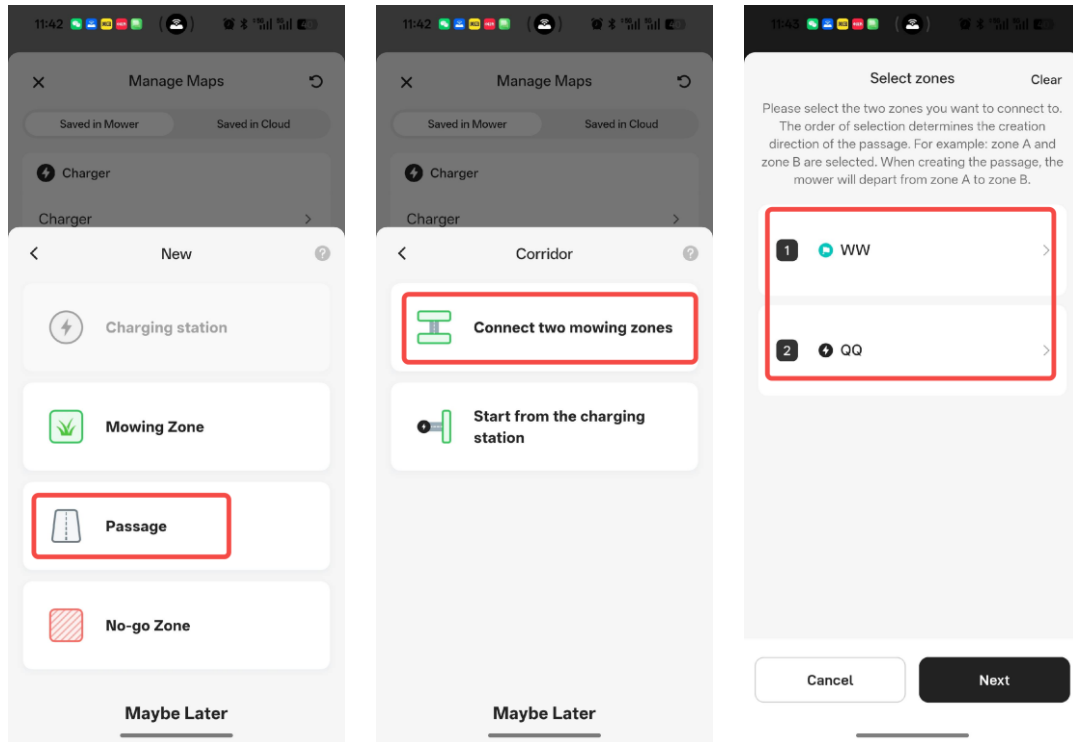
9.3 Create Passage

9.3.1 Create passage between work zone

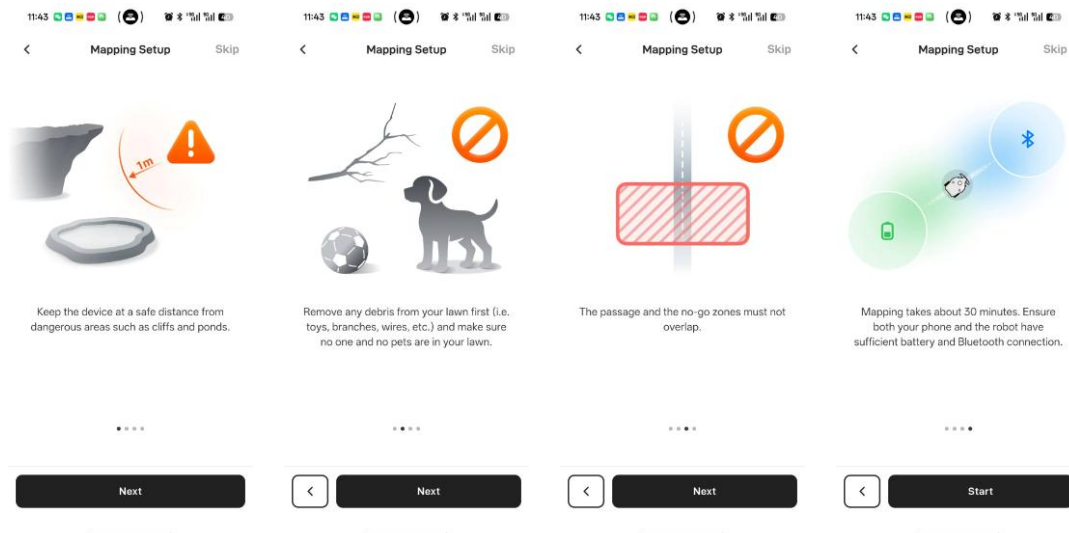
1. Make sure the mower is turned on, docked to the charging station and in normal working condition, the emergency button is off, and the battery level is recommended to be above 50%.
2. Confirm that two work zones have been established, and the lawnmower is located on one of the work zones;
3. On the homepage, click {View in Map}, then {Manage Map}, and then click the {New} button;



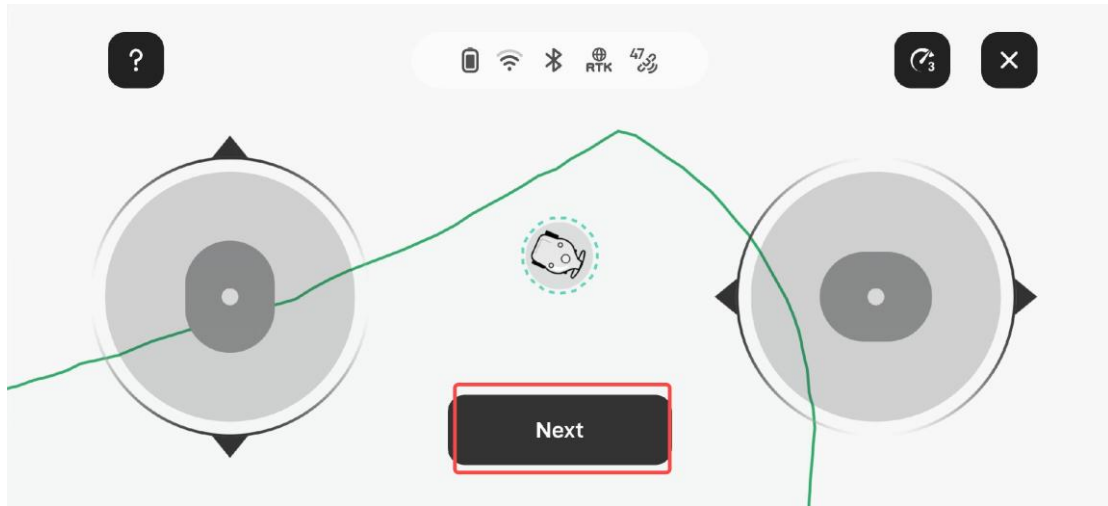
4. Click {Passage}, {Connect two work zones}, after selecting the two work zones of land you want to connect, click {Next}.;



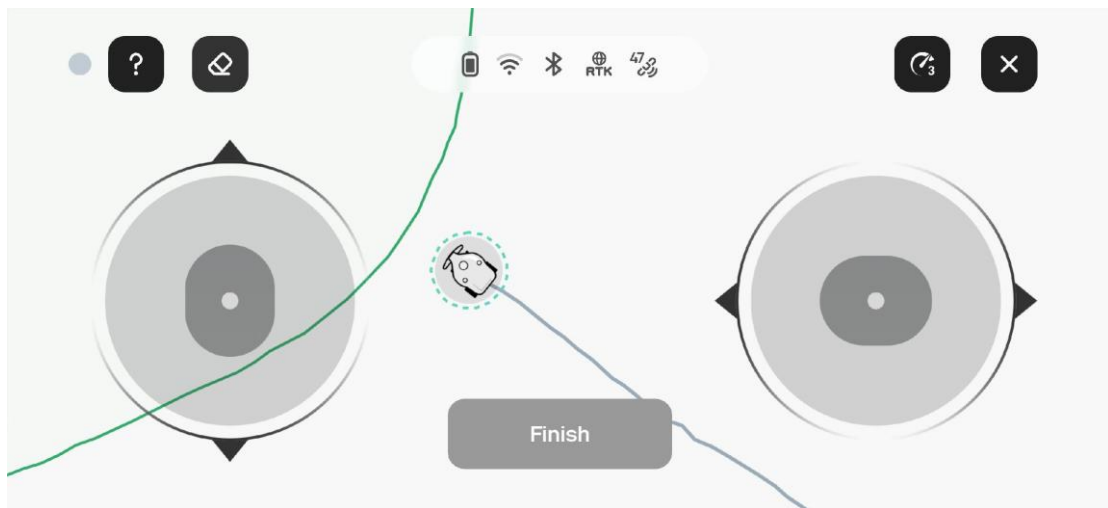
5. confirm the surrounding environment of the machine according to the mowing reminder, click {Next}, and finally click {Start}.



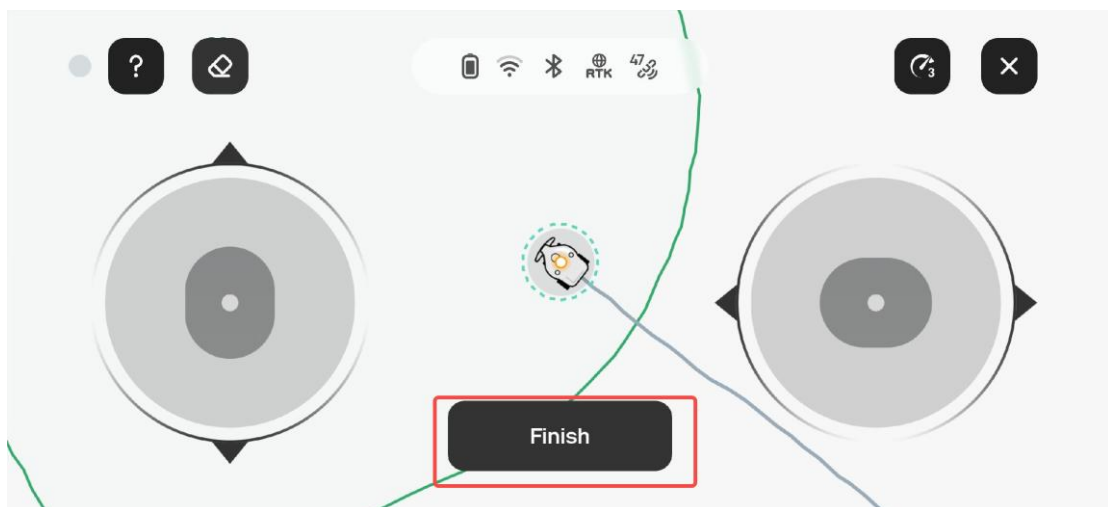
6. Click {Next};



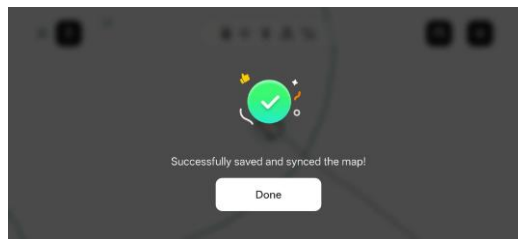
7. Remotely control the lawnmower to another working zone of land. The {Finish} button will be grayed out before it reaches the other work zone.



8. Once you arrive at the work zone, the {Finish} button will turn black. Click {Finish} .

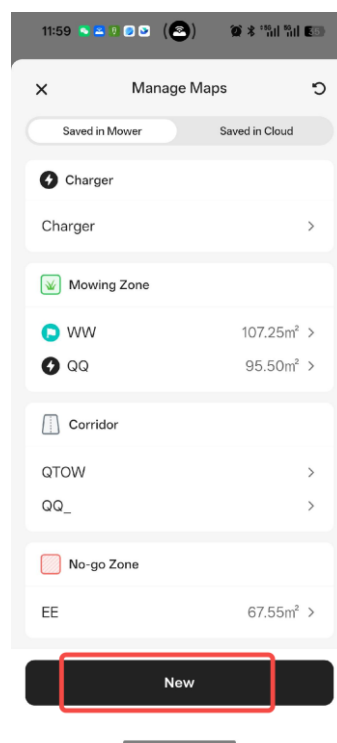
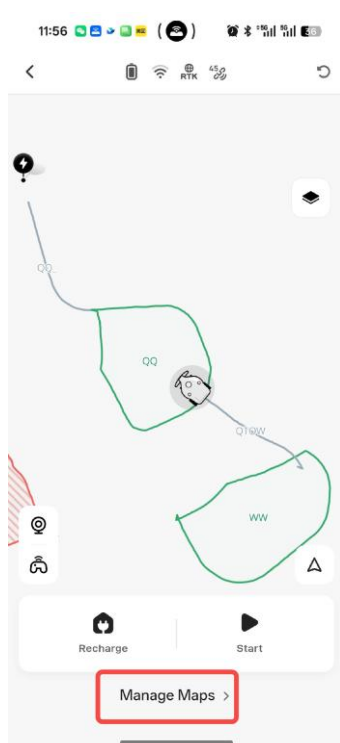


9. Name the Passage and Done.

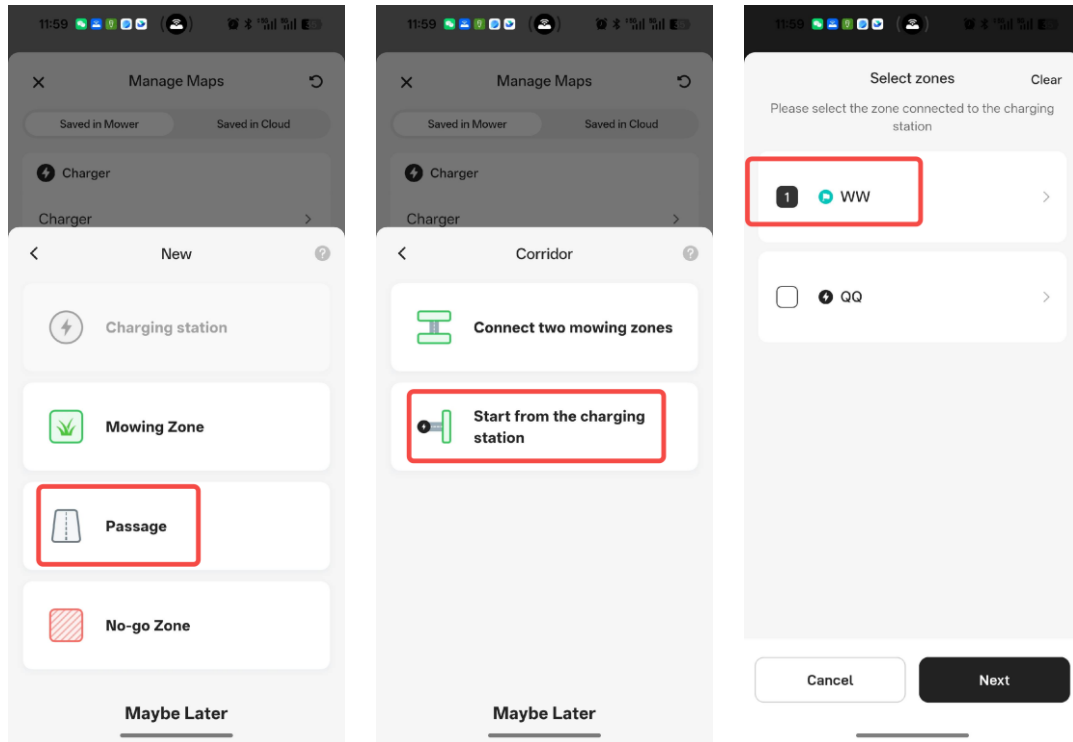


9.3.2 Create passage between charging station and work zone

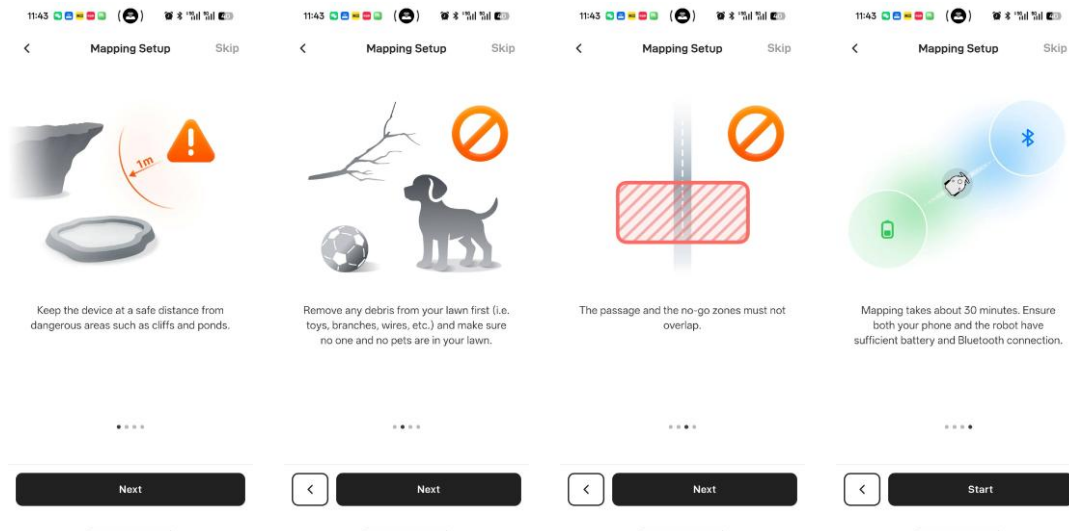
1. Make sure the mower is turned on, docked to the charging station and in normal working condition, the emergency button is off, and the battery level is recommended to be above 50%.
2. On the homepage, click {View in Map}, then {Manage Map}, and then click the {New} button;



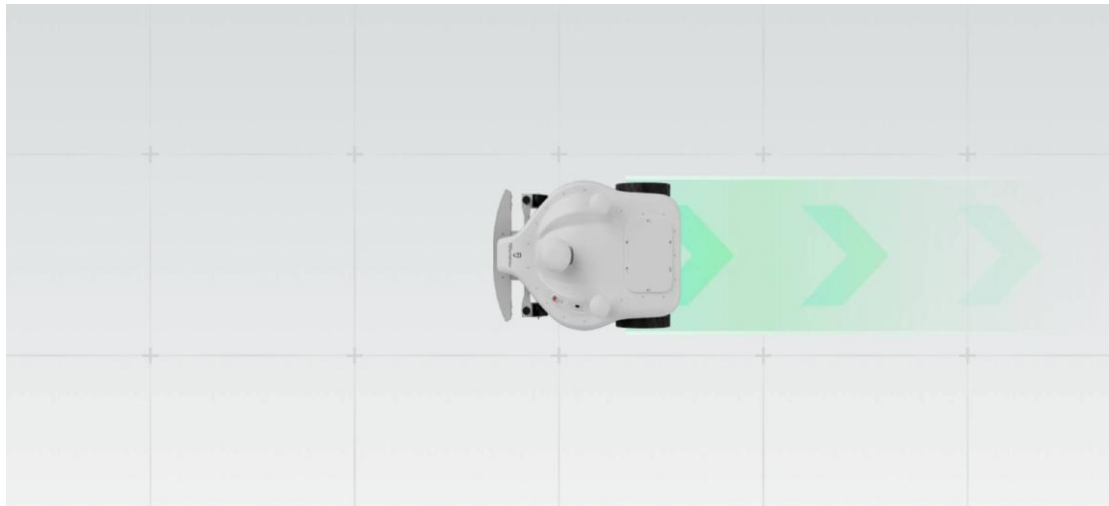
3. Click {Passage}, {Start from charging station}, after selecting the work zone of land you want to connect, click {Next}.



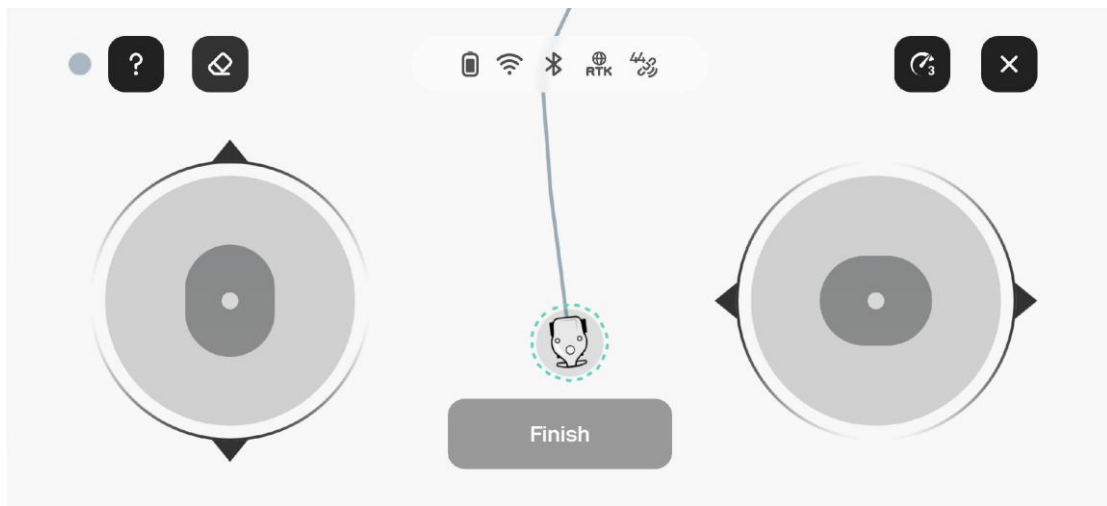
4. confirm the surrounding environment of the machine according to the mowing reminder, click {Next}, and finally click {Start}.



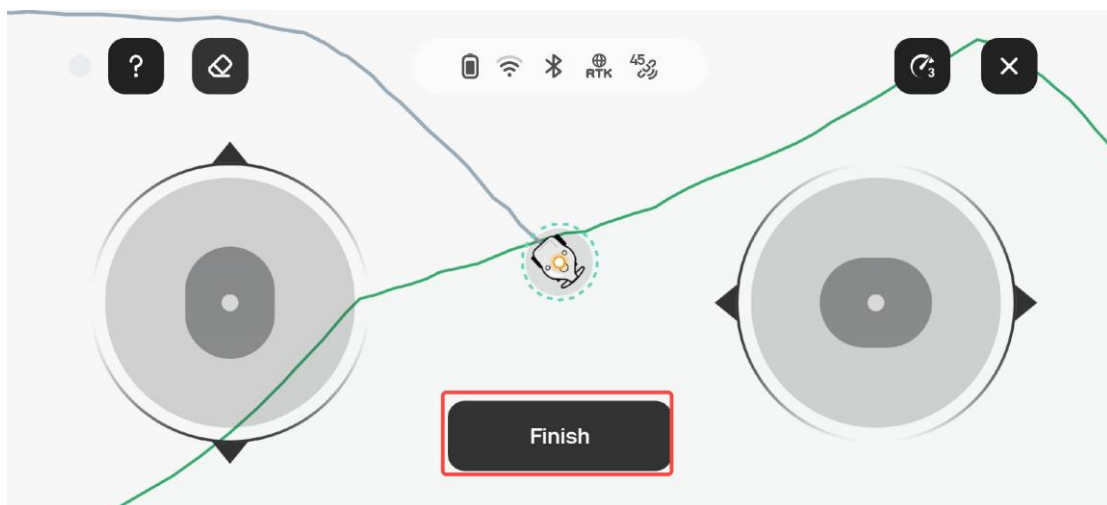
5. Wait for the lawnmower to leave the mower post;



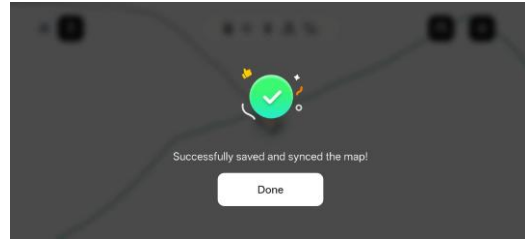
6. Remotely control the lawnmower to the working zone; the {Finish} button will be grayed out before it reaches the work zone.



7. Once you arrive at the working zone, the {Finish} button will turn black. Click {Finish} .



8. Name the Passage and Done.



9.4 After mapping

