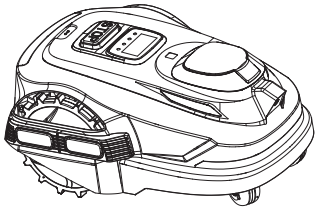
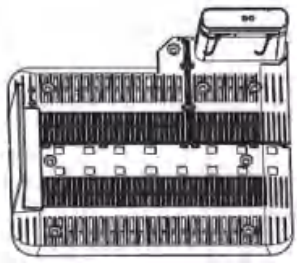
NOTE: When there is an exception indicated by the blue light, you need to restart the reference station.

2.3 In the Box



N1600Pro Lawn Mower



Charging Station

Power Adapter

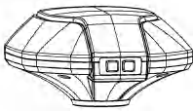
Charging Station Fixing Screw

Hex Key

Operation Instructions

Cutting Blades

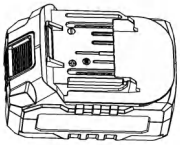
M4 * 10 Blade Screws



RTK Reference Station Module

Trident Ground Stake

RTK Reference Station Extension Cable



Battery Pack

Mounting Pole

N1600Pro Lawn Mower	1	RTK Reference Station Module	1
Battery Pack	1	RTK Reference Station Extension Cable	1
Charging Station	1	Mounting Pole	2
Power Adapter	2	Trident Ground Stake	1
Charging Station Fixing Screws	6	Hex Key	1
Cutting Blades	3	Operation Instructions	1
M4 * 10 Blade Screws	3		

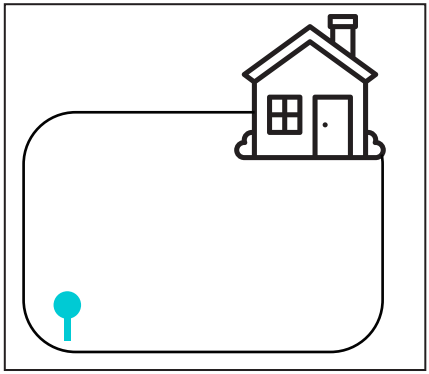
3. Installation

3.1 Preparation

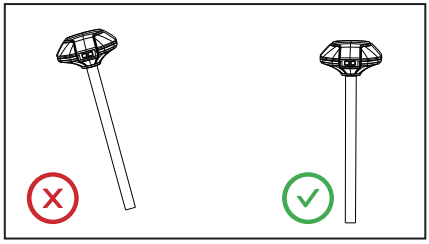
Read and understand the whole section before starting the installation. Plan the installation carefully as inappropriate installation may affect the performance of the mower.
Use original parts and installation materials.
Sketch your lawn and mark up obstacles. This will make it easier to examine where to place the charging station and RTK reference station, and to set the virtual boundaries.

3.2 Choosing a Location for RTK Reference Station

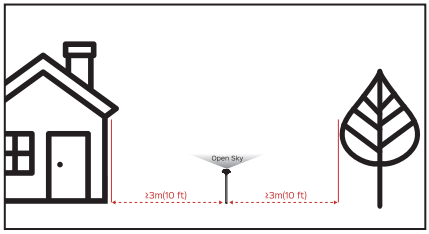
To optimize the performance of the RTK system, the RTK reference station must be in an open area to receive satellite signals. You can install the RTK reference station on flat, open ground as far away from tall buildings or trees as possible to avoid blocking the signal. The distance between the reference station and the robot lawnmower cannot exceed 200 meters.



The location requirements are as follows.
The RTK reference station should be as horizontal as possible and equipped with a gravity sensor, which cannot work when tilted, as illustrated right:



Position the RTK reference station on level, unobstructed ground, ensuring no roofs or trees block satellite signals.
Keep the RTK reference station at least 3 meters (10 feet) away from walls or trees.



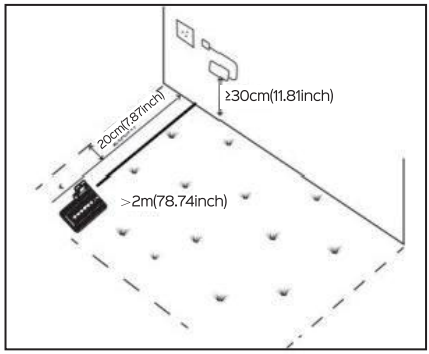
3.3 Select the Proper Location and Fix the Charging Station

The location of the charging station is as follows:

1. Arelatively flat and even area of the lawn. Near the border of the lawn. Close to the power socket on the wall.

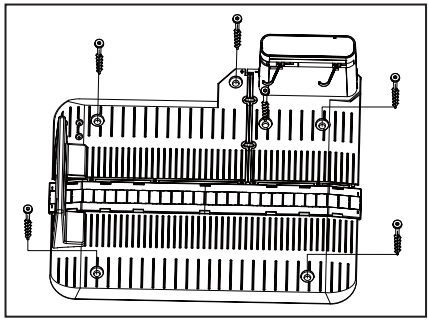
2. The power adapter is 30cm(11.81inch) above the ground, low-voltage cable length of 6m-(236.22inch), a cool and dry place for adapter, and no direct sunlight.

3. At least 2m(78.74inch) in front of the charging station should be unobstructed, should have no obvious bumps.

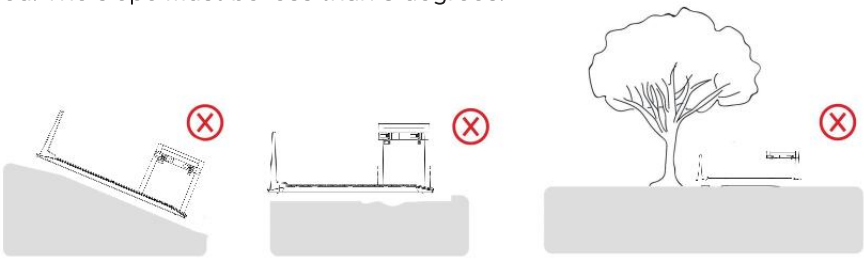


4. Fix the charging station to the ground using.

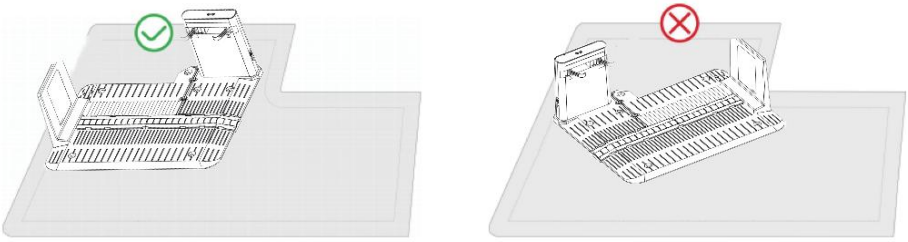
5. Fixing screws(using hex key to fasten).



6. The base plate of the charging station must remain flat and not be bent or tilted. The slope must be less than 5 degrees.



7. Position the charging station to face the lawn.

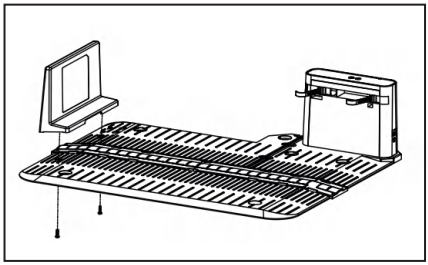


NOTE: DO NOT install the charging station at the corner of an L-shaped building or on a narrow path between two structures.
DO NOT tread or walk on the plate of the charging station.
DO NOT make new holes in the plate of the charging station.Only use the existing holes in the charging station to secure it to the ground.

3.4. Install

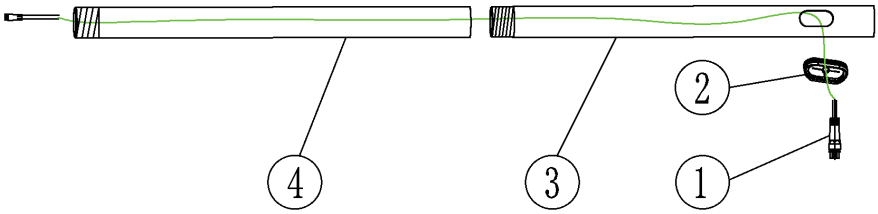
3.4.1 Install the Charging Station

The charging stations consists of three parts: charging tower, charging base plate and the bracket with the QR code. The charging tower and the charging base plate are integrated. only need to use two screws to fix the bracket on the charging base plate to complete the installation of the entire charging stations.

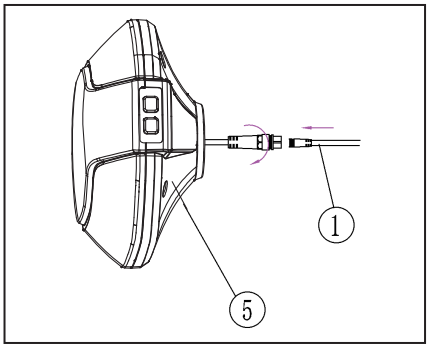


3.4.2 Installation of the RTK reference station

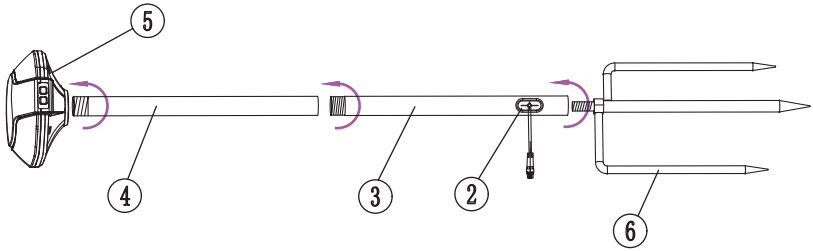
1. Thread the reference station extension cable ① through the protective coil ②, mounting pole ③, and mounting pole ④ in sequence.



2. Connect the reference station module ⑤ to the plug of the reference station extension cable ① and tighten them. Note that the limit step and limit groove must be aligned when the plugs are connected.



3. Connect the reference station module ⑤ to the mounting pole ④, the mounting pole ③ and the trident ground stake ⑥ and tighten them. Then insert the protective coil ② back into the hole of the mounting pole ③.



4. Finally, insert the reference station mounting pole into the ground at the selected location.

4. APP Operation

4.1. Preparation

Read and fully comprehend the safety instructions before proceeding with any operations.
The charging station and RTK reference station have been correctly and securely installed.
Make sure that the robot has successfully docked onto the charging station.
Ensure there is a stable network and keep your phone Bluetooth on.

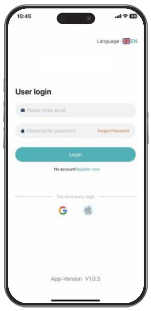
4.2 Download App and Log In

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

APP Download QR Code for IOS

APP Download QR Code for Android

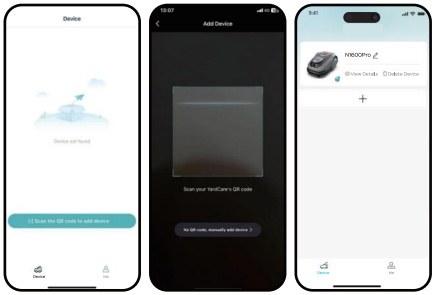
If you want to log in with a third-party account, After installing the app, please sign up and log in. During use, the app may ask you for Bluetooth, Location, and local network access when necessary. For optimal use, it is recommended to allow the above access. For more information, please refer to our Privacy Agreement. Go to **app › Me › About › Privacy Agreement**. if you want to log in with a third-party account, tap the login icon to continue. app now supports logging in with Google, Facebook and Apple accounts.



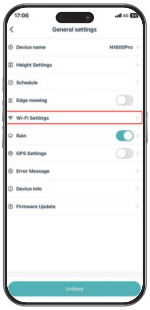
4.3 Add Your Devices

NOTE: Make sure the distance between your phone and the robot is less than 3 m (10 feet).
It is advisable to establish a connection to a Wi-Fi network for optimal performance.

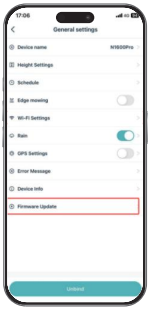
1. Tap ⊕ to add your robot.
2. Scan the QR code of the machine, or proceed to step 3.
3. Select machine model(N1600Pro).
4. Follow the onscreen instructions to connect the device and set network successfully.



4.4 Update Firmware



1. If the icon of the machine is not lit up, click the distribution network on the device details page. if is on, go to step 2.

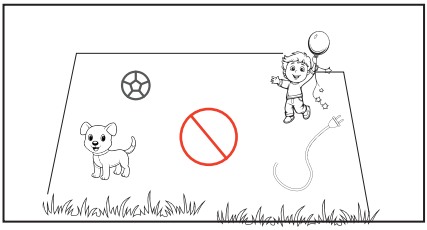


2. Click the **Firmware update** button to enter the firmware upgrade interface.
3. Click the **update** button.

4.5 Create a Map

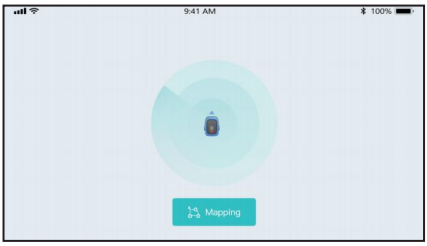
4.5.1 Map out the Task Area

Preparation

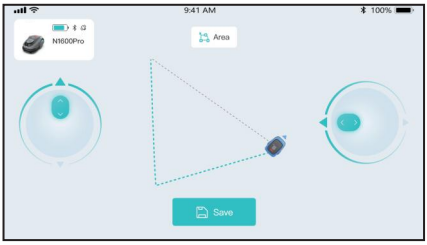


Before mapping, it is important to be aware of key considerations.
Remove debris, piles of leaves, toys, wires, stones, and other obstacles from the lawn. Make sure no children or animals are on the lawn.

Map your Lawn

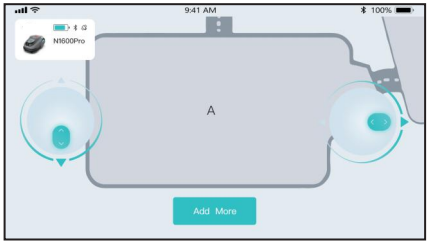


1. Make sure the robot is powered on and your phone Bluetooth is on. Your phone will connect to the robot automatically with a Bluetooth connection.
2. If it is the first time to build the drawing, please place the machine in the charging station. After making sure the machine is in charge mode, tap **Mapping** to start.



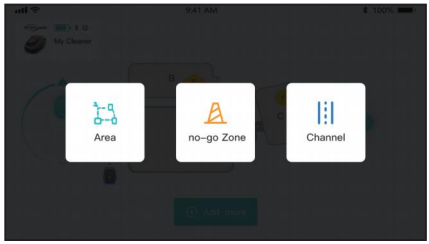
3. When the machine automatically exits the station and emits a "drop", it enters the interface as shown in the following figure. At this time, the remote control machine can walk on the border to build the map. Move the virtual joystick up or down to control the robot's forward or backward movement. Move the virtual joystick left or right to turn the robot left or right.
4. After going around the border, return to the starting point, click **Save**, and wait for the map to be created.
5. While mapping, a dotted line links the current point to the start point, and the area can be saved anytime. If saved without returning to the start, the dotted line will serve as the final boundary.

4.5.2 Map out a No-go Zone



No-go Zones are set for pools, flowerbeds, trees, roots, ditches, and other lawn obstacles, ensuring the robot avoids mowing these areas.
1. Access the map-building interface; once the initial boundary map is created, the interface will display as right.

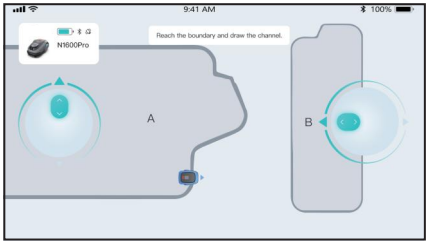
2. Click the **Add More** button,then select **no-go-Zone.**

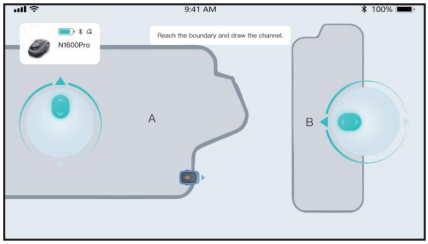


3. Remote control machine walk around the obstacle once, click the **Save** button and wait for the map to complete.

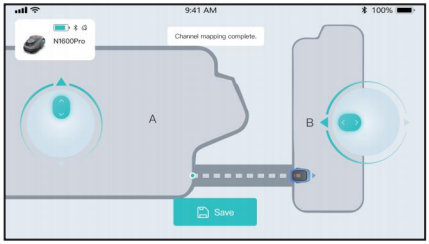
4.5.3 Map out a Channel

The channel is intended to connect various task areas or link the task area with the charging station.





1. Tap **Add More > Channel.**
2. Control the robot into a task area. to start mapping.



3. Manually control the robot from a task area to another task area or to the charging station. Tap **Save** to finish setting.

NOTE: The channel should be wider than 1 m (3.3 feet).
The channel should be free from significant bumps.

4.5.4 Edit Your Map

Rename the area

1. Long press the area to be renamed, select **Rename**, and rename the area.