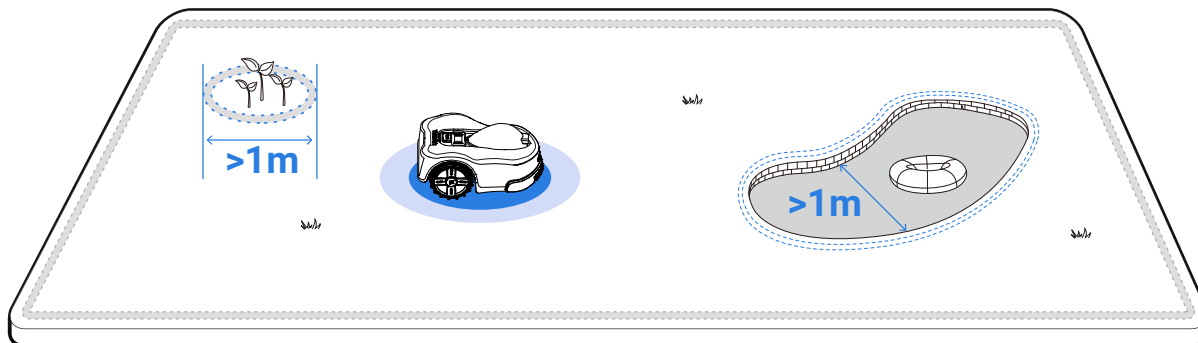


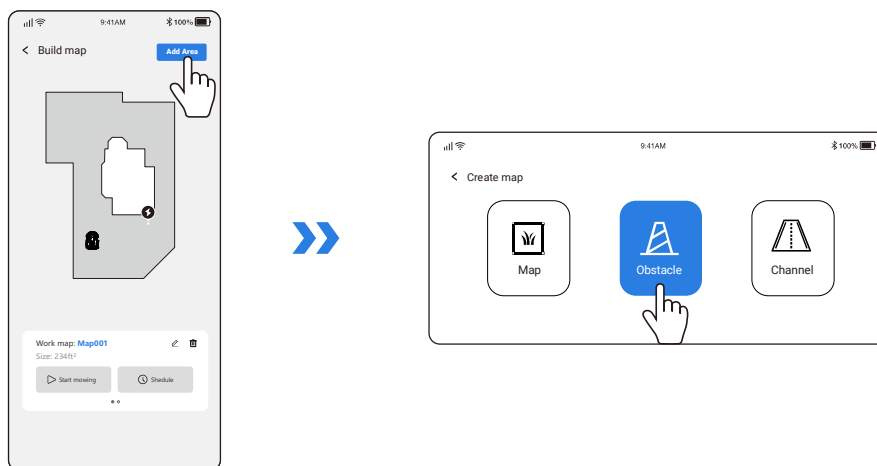
## Mapping the obstacle area

### ⚠ ATTENTION

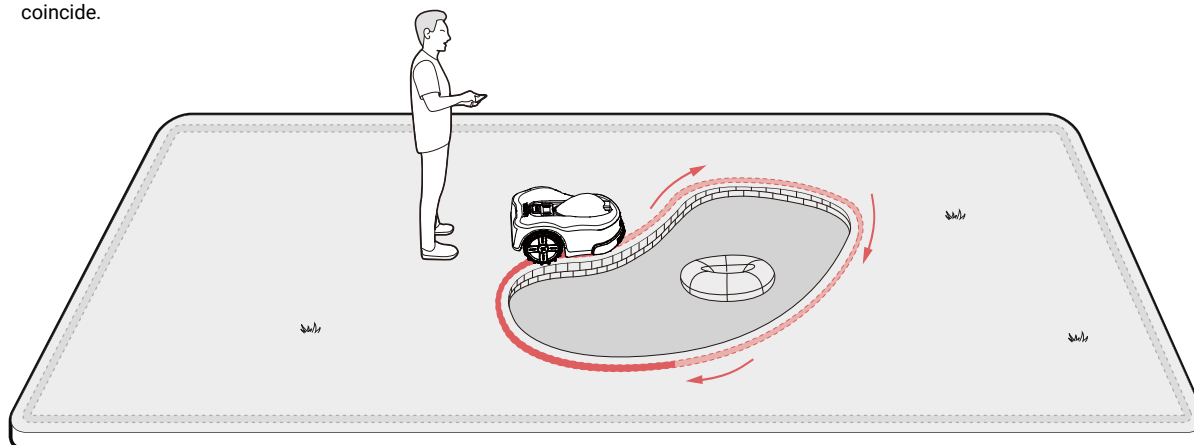
- When mapping the obstacle area, maintain a distance of not less than 1 m from the obstacle boundary.



1. Open the 'Lawn' page in the NOVABOT APP, click 'Add area', select 'Obstacle,' and start scanning the obstacle area.



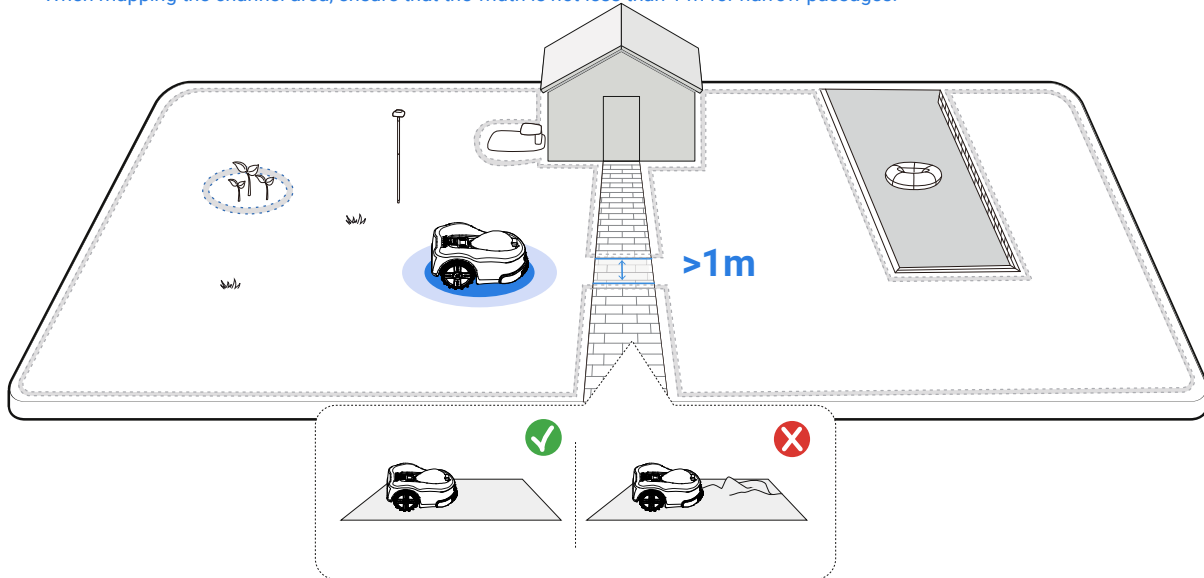
2. Follow the APP's instructions to remotely control NOVABOT and map around the obstacle boundary. Ensure the starting and ending points coincide.



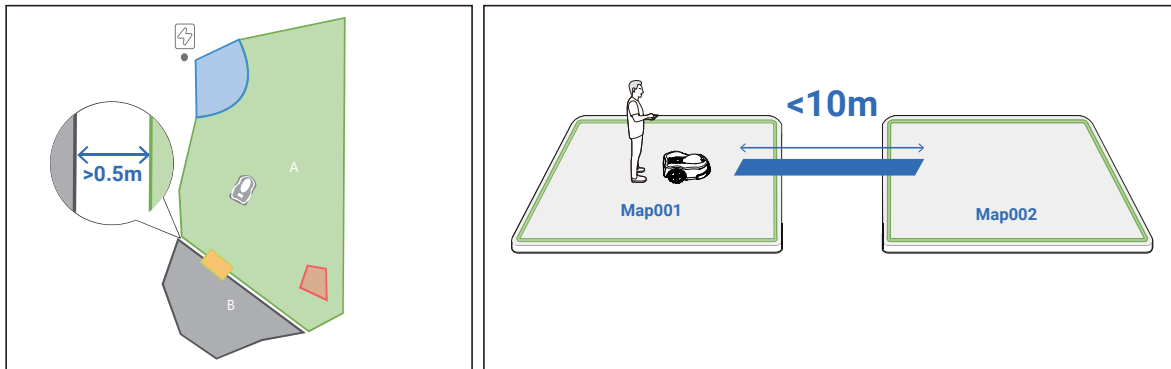
## Mapping the channel area

### ⚠ ATTENTION

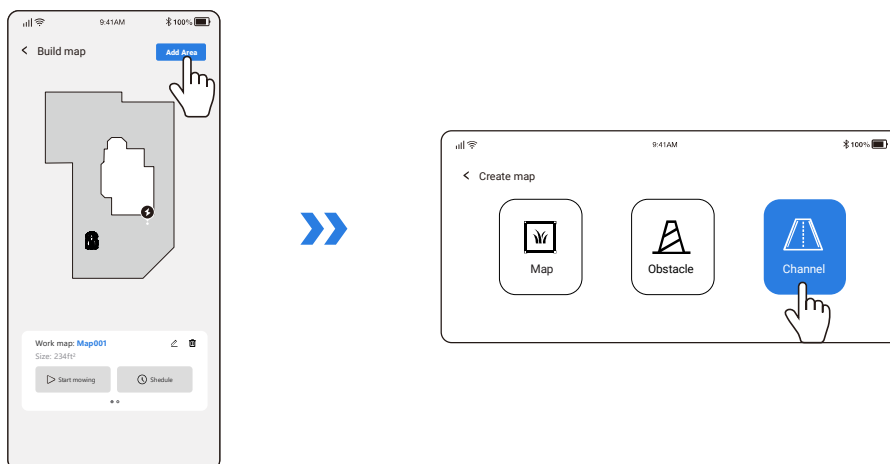
- When mapping the channel area, ensure that the width is not less than 1 m for narrow passages.



- To ensure mowing accuracy, when mapping multiple working maps, maintain a distance of greater than 0.5 m between the maps.
- When mapping the channel area, the straight-line distance between mowing areas should not exceed 10 m.



- If you have 2 or more working maps, create a channel area to connect them.
- Open the 'Lawn' page in the NOVABOT APP, click 'Add area', select 'Channel', and start scanning the channel area.



3. Follow the APP's instructions to remotely control NOVABOT, guiding it from one side of the channel area to the other side.

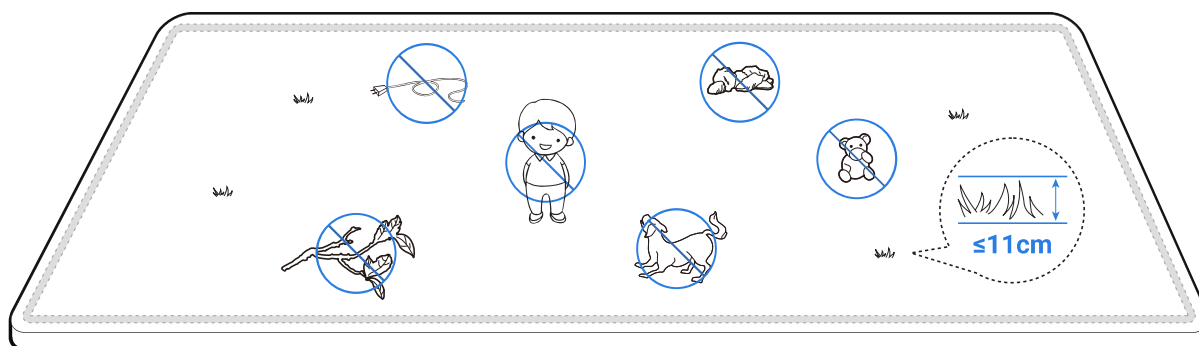
#### Tips

- When there are multiple map settings, the default is map001, 002, and so on. You can also rename it with up to 6 digits and letters.
- Ensure that the identification mark on the charging station is not blocked or stained.
- If you need to adjust your mowed or obstructed areas, you can edit/delete/add relevant areas in the 'Lawn' interface of the APP and then remap the area.

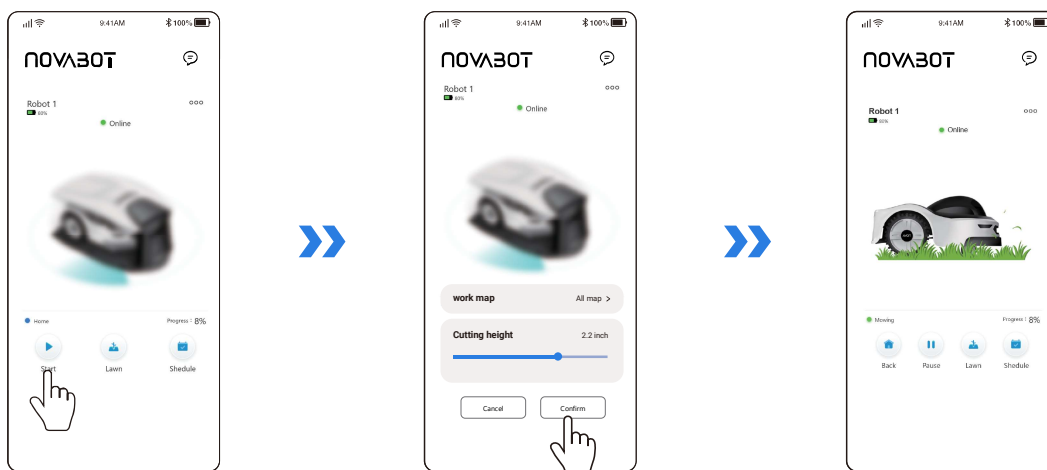
## 5.2 On-Demand Mowing

### ⚠ ATTENTION

- Before mowing, please remove obstacles. (e.g., outdoor items, toys, rocks, branches, etc.)
- Keep the grass height below 11 cm before running NOVABOT. Grass over 11 cm may be recognized by NOVABOT as an obstacle, resulting in missed cutting. Please cut it manually first.



1. Click "Start" on the main interface to enter the fast mowing.
2. Select the mowing height and working maps.
3. Start mowing.



#### Tips

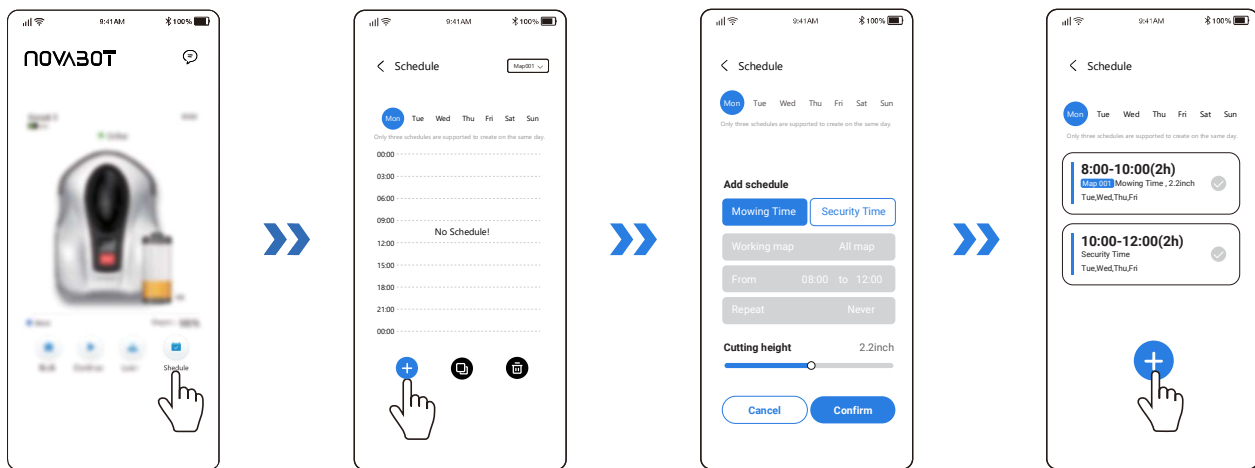
- NOVABOT requires 50% more power in front of the lawn.
- If the power of NOVABOT is too low during mowing, it will automatically return to the charging station to charge and push the information to the APP. After the charging is completed, the lawnmower will continue to mow the grass until the mowing work on the map is completed.

## 5.3 Schedule

1. Open the "Schedule" interface in the NOVABOT APP.
2. Click the 'Add' button.
3. Set the working hours (mowing/security).
4. NOVABOT will start working (mowing/security) according to the set time.

### Tips

- Mowing mode and watchdog mode cannot be carried out simultaneously.
- Currently NOVABOT can only set a maximum of three time periods per day. (including mowing and security, including all maps).
- If the power of NOVABOT is lower than 20% during work (mowing/security), it will automatically return to the charging station to recharge. After charging is complete, it will resume work from where it left off.
- If the charging is completed during work, and the current time is not within the working schedule, the mowing/security will not continue.



## 6 ABOUT SECURITY

### 6.1 Watchdog Mode

#### A. Watchdog function setting

Open the schedule function of the APP, and set the watchdog mode for NOVABOT at the scheduled time.

#### B. Set up the watching area

When you start mapping in the app, NOVABOT will automatically set the area of 3.5 m near the center of the charging station as the watchdog area. Before installing the charging station, please confirm whether this range is your ideal watchdog area.

#### ATTENTION

- Patrol work and mowing work cannot be carried out simultaneously. Please plan the work schedule of NOVABOT reasonably.
- If an obstacle area within the patrol range, NOVABOT will still automatically avoid obstacles during patrol work.
- To keep the network stable when NOVABOT is working, the 3.5 m radius area is a fixed setting area, and you can not expand or shrink this area. Details can be viewed on the lawn management interface.
- If you don't need this function, simply don't set the schedule in the NOVABOT APP. This operation does not impact daily mowing work.

### 6.2 PIN Code Protection

1. When you turn on NOVABOT for the first time, you need to set up the PIN through NOVABOT control panel manually.
2. When you forget your PIN code, you can check it on the personal information interface of the APP.
3. When you need to change the PIN code, press the 'settings' button on NOVABOT's control panel and select the 'Change PIN Code' function.
4. When NOVABOT shuts down automatically for some reason. Before restarting, you need to manually enter the PIN code on NOVABOT to start.
5. When the wrong PIN code is entered more than 5 times, NOVABOT will be automatically locked. You can enter the PIN again after 1 hour.

#### ATTENTION

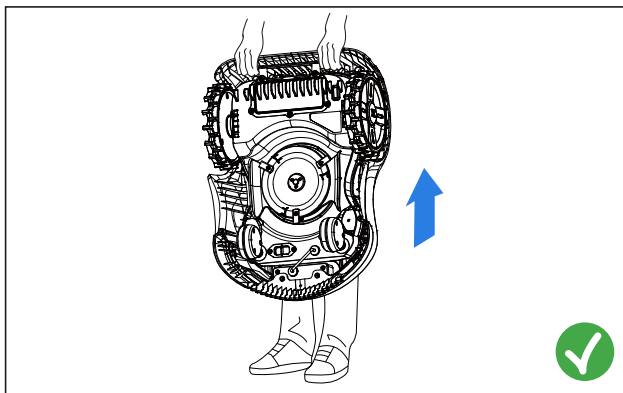
- When changing the PIN code, please make sure NOVABOT is on and connected to the GPS and home Wi-Fi.
- When using the APP to unlock NOVABOT, it needs to be turned on and the GPS and home Wi-Fi are connected normally.

## 7 MAINTENANCE

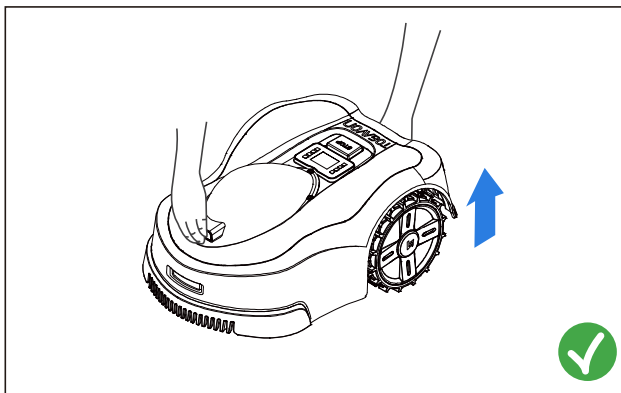
### 7.1 Carry & Lift Guide

#### ⚠ WARNING

- Turn off the product before raising or moving NOVABOT.
- There are blades on the bottom of NOVABOT, so keep your body away from them.
- To ensure your safety, please do not reach into the charging port to carry the machine.



1 With the blade facing outward, lift the NOVABOT by handle.



2 With the blade facing down, hold the handle and the front camera with both hands.

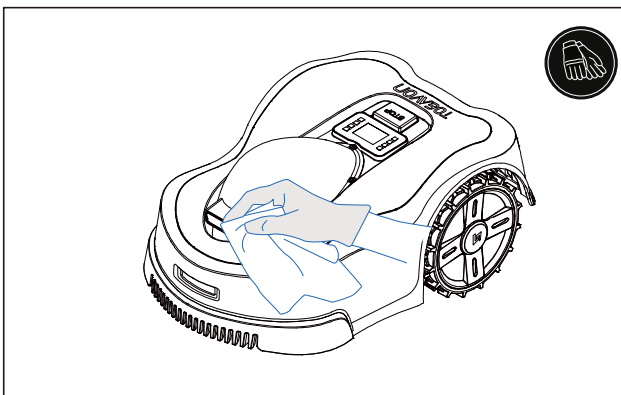
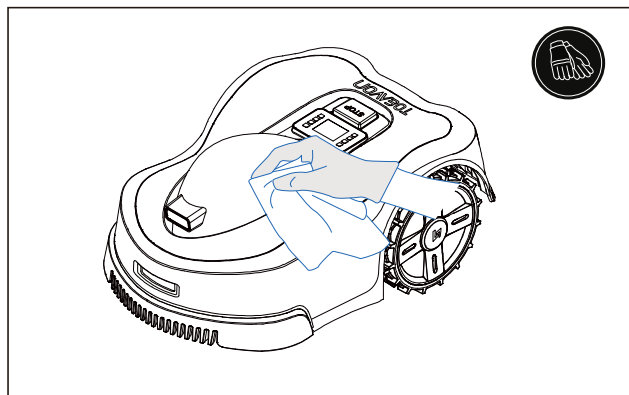
### 7.2 Cleaning

We recommend frequently cleaning NOVABOT to maintain a good condition.

#### ⚠ WARNING

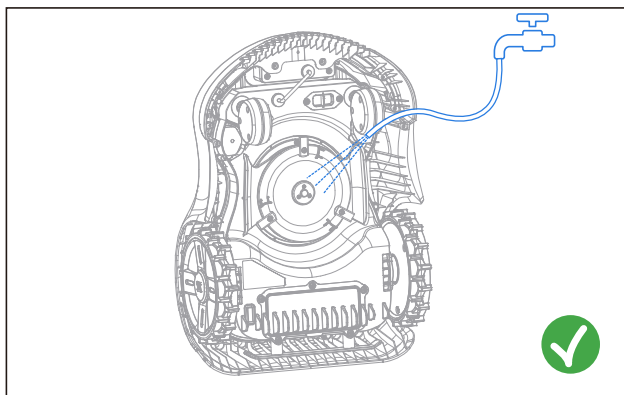
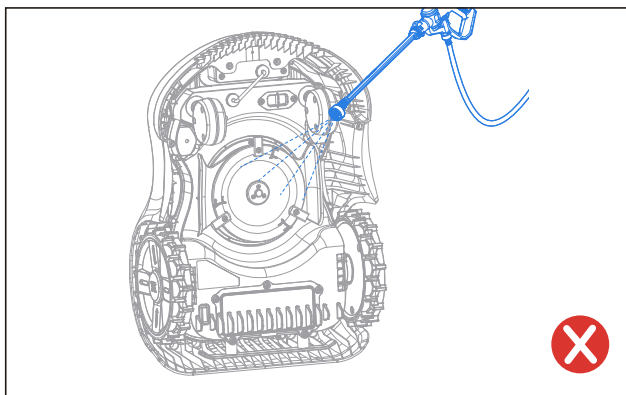
- NOVABOT must be disconnected from power before cleaning.
- Wear protective equipment such as gloves and goggles for cleaning.
- Do not use a high-pressure sprayer to rinse NOVABOT (both top and bottom). High pressure might cause damage electronic and mechanical components.
- Avoid using corrosive cleaning agents such as alcohol and gasoline to clean NOVABOT or charging station as they might cause damage to various components.
- When placing NOVABOT on the reverse side, it can be placed on a soft surface to avoid scratching the body and transparent dome.

#### A. Clean the upper body



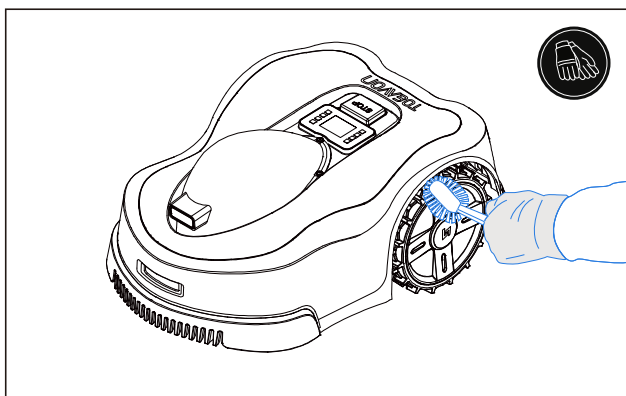
1. Wipe the top of the NOVABOT and the front camera with a cloth dampened with water. Check for any branches, stones, or other objects stuck underneath the floating bumper.
2. Check if anything gets stuck inside the charging port.

## B. Clean the Deck & Blade



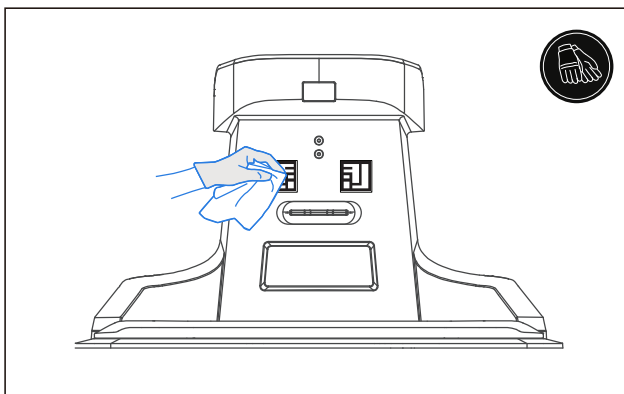
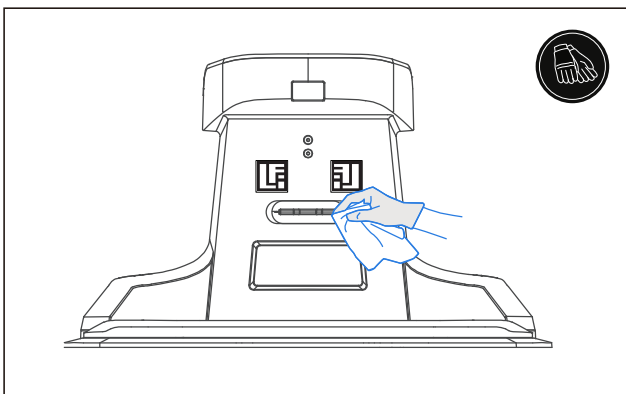
Clean the blade disc with a brush. Make sure that the blade disc and the blades are not damaged and can pivot freely.

## C. Clean the wheels



1. Use a brush to clean the impurities on the wheels to ensure the grip of NOVABOT.
2. After cleaning, you can apply some precision machinery oil or WD-40 on the moving parts to provide better lubrication.

## D. Clean the charging station



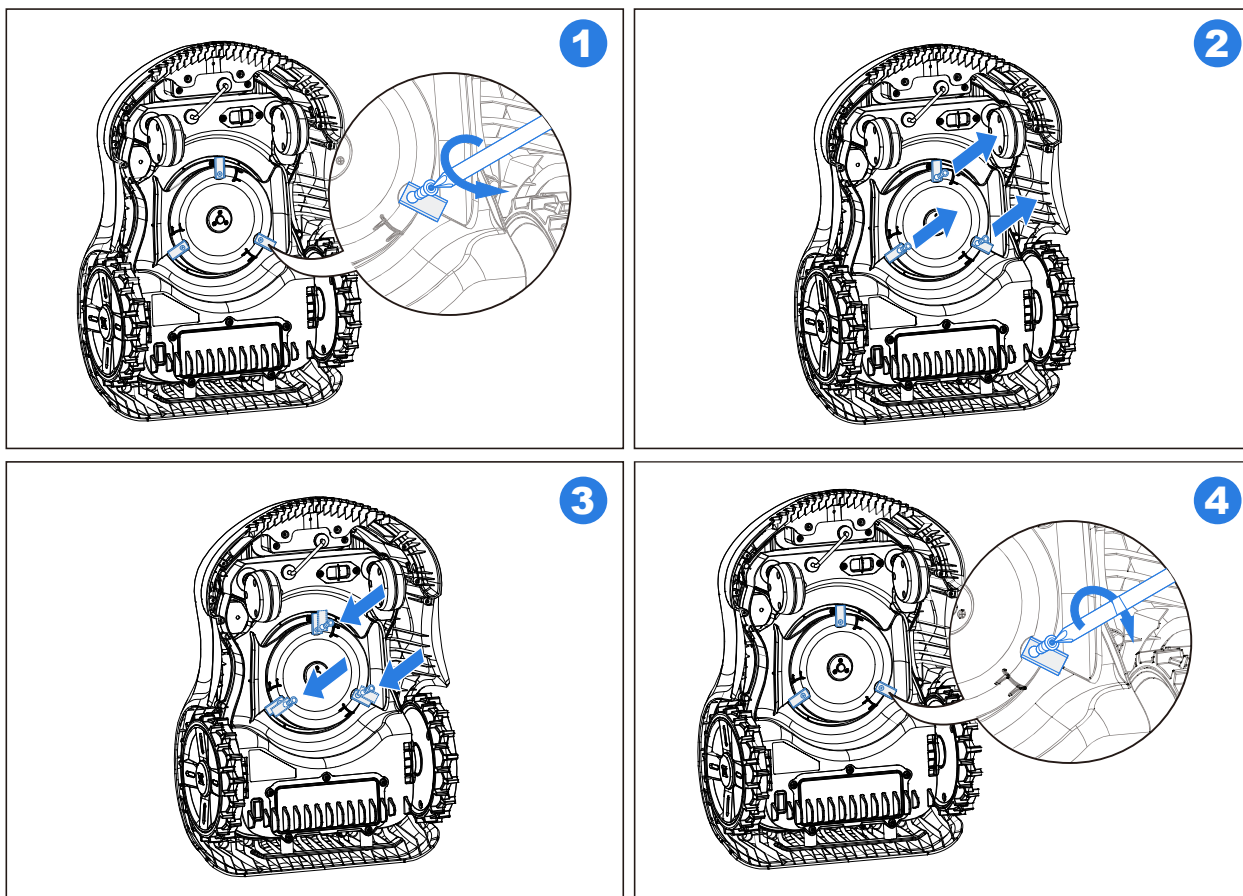
1. Wipe the contact strips and identification mark with a rag to keep it clean.
2. Make sure all connecting parts of the charging station, the extension cable, and the power supply are clean.
3. Keep the surrounding area of the obstacle clear.

## 7.3 Replace Blades

If you use the lawn mower regularly, we recommend replacing the blades (model LF) and new screws every 1.5-2 months to ensure your mowing efficiency.

### ⚠ WARNING and RESIDUAL RISKS

- NOVABOT must be POWERED OFF before replacing the blade.
- Please wear appropriate protection equipment while replacing.
- For your mowing safety, we recommend purchasing official blades. Purchase can be made from the NOVABOT app store or the NOVABOT website store.



1. Unscrew the old screw and remove the old blade.
2. Replace the blade with a new one, install a new screw, and make sure the blade spins freely.

## 7.4 Change Battery

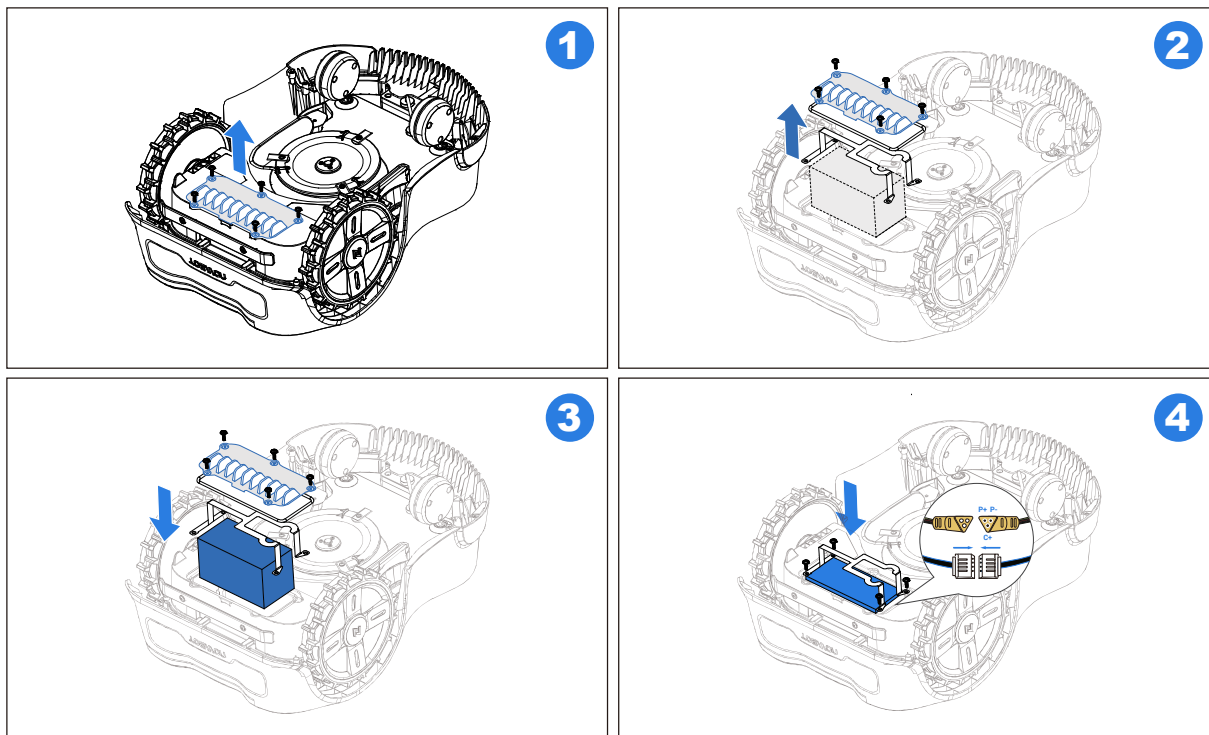
When the NOVABOT APP prompts that the battery health is too low, the battery time is shortened, or the battery is faulty, the official battery needs to be replaced. Purchase can be made from the NOVABOT app store or the NOVABOT website store.

### ⚠ ATTENTION

- This appliance contains batteries that are only replaceable by skilled persons.
- Install the new battery according to the polarity direction marked on the physical object.
- If the copper cable is exposed, wrap the exposed part with insulating tape before unplugging the battery.
- If liquid gets on skin or clothing, rinse with water immediately. If liquid gets in your eyes, do not rub, rinse with water and seek medical attention immediately.
- For the battery model, please refer to CZ-LYF6S2P-18650 and CZ-LYF6S2P-21700.
- For the disposal of used batteries, please contact your household waste disposal service or your local or regional waste management office.



1. Unscrew the screws on the battery holder.
2. Remove the old battery and replace it with a new one.
3. Close the battery holder and tighten the screws.



## 7.5 Store

### A. Storage of NOVABOT

1. Avoid extreme cold and extreme hot storage environments.
2. It is recommended to store NOVABOT in an environment with low humidity, no dust, and no corrosive gas.

### B. Optimal battery maintenance and storage

1. Store the battery in an environment with room temperature, low humidity, and free from dust and corrosive gases.
2. After each use, recharge the battery before storing it to extend its lifespan.
3. Avoid using and storing the battery in conditions below  $-20^{\circ}\text{C}$  or above  $45^{\circ}\text{C}$ .
4. If the battery's capacity is lower than 30% during storage, charge it at least once every 90 days to prevent damage due to over-discharge.
5. Perform a full charge and discharge cycle every 180 days to prevent battery damage; failure to do so might void the warranty (ensure cell pack voltage stays above 15V).

## 7.6 NOVABOT Device Update(OTA)

If NOVABOT is charging and connected to your Wi-Fi network, you will receive a prompt indicating that NOVABOT can be upgraded via the app. Once you confirm, the update will occur automatically over the air.

## 8 TROUBLESHOOTING AND FAULT MESSAGES

### 8.1 Troubleshooting

#### ⚠ ATTENTION

- Before troubleshooting, please ensure that: a.The APP software is the latest version; b.NOVABOT software is the latest version; c.Your mobile phone system is the latest version.
- If the current symptom cannot be solved, please contact the after-sales service through the NOVABOT APP or the official website.
- In the event of an accident or failure, if the product is still within the warranty period, please get in touch with the corresponding after-sales or authorized maintenance provider according to your purchase channel.

#### Charging & Battery

SYMPTOM	CAUSE	SOLUTIONS
NOVABOT can not charge.	1. There is an error or failure in the power supply. 2. Charging plug not contact / not clean. 3. Too high/low battery temperature.	1. Check the power supply. 2. Make sure the contacts are connected correctly. Clean the contacts. 3. Wait for the temperature of the charging plug and the machine to return to normal before charging.
Charging time exceeds the rated time.	There are foreign objects or dirt on the contacts.	Clean the contacts.
Shorter charging time.	1. Battery health is lower than normal. 2. Poor contact at the charging point.	1. Replace the NOVABOT original battery. 2. Check the charging point and charging plug.
The LED light on the charging station does not turn on.	The power adapter is faulty or malfunctioning.	Check the power supply.
NOVABOT can not connect the charging station.	1. The identification code on the charging plug is blocked / stained and affects the visual positioning. 2. There are foreign objects or dirt on the charging plug.	1. Remove / clean the covering. 2. Clean the charging plug.
NOVABOT shuts off when docking the charging station.	1. The temperature of the power supply / mower is too high. 2. The charging plug is not clean.	1. The ambient temperature is too high, take off the adapter and wait for the temperature to return to normal before charging. 2. Clean the contact plug.

#### Mowing & Security

#### ⚠ WARNING

- When NOVABOT encounters problems during mowing or security, if it is still working, please press the stop button to stop, and then perform corresponding operations after manually moving the mower.
- After solving the problem, NOVABOT's work task will restart, and the machine needs to return to the charging station to start working again.

SYMPTOM	CAUSE	SOLUTIONS
NOVABOT is stuck.	1. NOVABOT is trapped in multiple obstacle areas. 2. NOVABOT is on a steep slope, soft sand or deep ditch. 3. Wheel traction is reduced. 4. The height of grass cutting is set too low.	1. Set the trapped place as an obstacle area. 2. Keep the lawn flat / set it as an obstacle area. 3. Remove stones / soil and other impurities on the wheels. 4. Increase the cutting height, and then gradually return to the desired height.
NOVABOT slipping.	1. The grass is too wet. 2. NOVABOT is on a steep slope. 3. Wheel traction is reduced. 4. NOVABOT is stuck by branches/stones.	1. Wait for the lawn to dry before mowing. 2. Keep the lawn flat / set it as an obstacle area. 3. Remove stones / soil from the wheels. 4. Clean the bottom of the NOVABOT.
Vibration / abnormal sound.	1. The blade disc is unbalanced / blades are damaged. 2. Use unofficial blades. 3. Lack of blades / too many blades installed at the same position lead to unbalanced cutting system.	1. Check the blade disc and blades, if they are damaged / stained, they need to be replaced / cleaned. 2. Check the official website or APP to purchase official blades. 3. Check the number of blades.
NOVABOT does not work within the schedule time.	1. The time zone settings are out of sync. 2. The setting time is incorrect.	1. Synchronize the time of APP and NOVABOT. 2. Confirm your time plan on the schedule interface of the APP.
NOVABOT does not work within the set area.	1. Wheel traction is reduced. 2. The boundary is set on the slope. 3. The GNSS antenna location is changed. Positioning changed.	1. Remove stones / dirt from the wheels. 2. Keep the lawn flat / set it as an obstacle area. 3. Reconnect the charging station and NOVABOT. Mapping the area again.
NOVABOT does not respond when pushing the start button.	The STOP button is stuck and does not rebound.	Check if the STOP button is stuck.

SYMPTOM	CAUSE	SOLUTIONS
Uneven mowing height.	<ol style="list-style-type: none"> <li>1. The single mowing time is not long enough.</li> <li>2. The mowing area is too large / the grass is too high.</li> <li>3. The blade disc is unbalanced / blades are damaged.</li> <li>4. The mowing height is set too low.</li> </ol>	<ol style="list-style-type: none"> <li>1. Increase the single mowing time.</li> <li>2. Reduce the size of the mowing area / increase the mowing height, and then gradually return to the desired height.</li> <li>3. Check the blade disc and blades, if they are damaged / stained, they need to be replaced / cleaned.</li> <li>4. Increase the mowing height, and then gradually return to the desired height.</li> </ol>
Mowing height cannot be adjusted.	NOVABOT system error.	Restart NOVABOT, if still unsuccessful, please consult the after-sales service.

## Signal & Connection

SYMPTOM	CAUSE	SOLUTIONS
Bluetooth connection failed.	<ol style="list-style-type: none"> <li>1. NOVABOT system error.</li> <li>2. Related hardware damage.</li> </ol>	<ol style="list-style-type: none"> <li>1. Restart the NOVABOT, if it still fails, please consult the after-sales service.</li> <li>2. Please consult the after-sales service.</li> </ol>
Bluetooth signal is unstable / interrupted.	<ol style="list-style-type: none"> <li>1. NOVABOT system error.</li> <li>2. Too far from the mobile phone Bluetooth.</li> </ol>	<ol style="list-style-type: none"> <li>1. Restart the NOVABOT, if it still fails, please consult the after-sales service.</li> <li>2. Keep the mobile phone and the NOVABOT within 1-2 meters.</li> </ol>
Wi-Fi connection failed.	<ol style="list-style-type: none"> <li>1. NOVABOT system error.</li> <li>2. Too far away from home Wi-Fi.</li> <li>3. Unable to recognize Wi-Fi.</li> </ol>	<ol style="list-style-type: none"> <li>1. Restart the NOVABOT, if it still fails, please consult the after-sales service.</li> <li>2. Adjust the distance between the GNSS antenna and home Wi-Fi.</li> <li>3. Restart the home Wi-Fi or update the Wi-Fi password, if it still fails, please consult the after-sales service.</li> </ol>
Unstable / interrupted Wi-Fi signal.	<ol style="list-style-type: none"> <li>1. NOVABOT system error.</li> <li>2. Too far away from home Wi-Fi.</li> </ol>	<ol style="list-style-type: none"> <li>1. Restart the NOVABOT, if it still fails, please consult the after-sales service.</li> <li>2. Adjust the distance between the GNSS antenna and home Wi-Fi.</li> </ol>
Weak GPS signal.	<ol style="list-style-type: none"> <li>1. NOVABOT system error.</li> <li>2. There are obstacles affecting the GNSS antenna signal.</li> </ol>	<ol style="list-style-type: none"> <li>1. Restart the NOVABOT, if it still fails, please consult the after-sales service.</li> <li>2. Remove any obstacles or relocate the GNSS antenna to an area with a strong signal.</li> </ol>

## Install & Mapping

SYMPTOM	CAUSE	SOLUTIONS
NOVABOT operation delayed / uncontrolled during mapping.	<ol style="list-style-type: none"> <li>1. NOVABOT system error.</li> <li>2. The mobile phone Bluetooth is too far away from NOVABOT.</li> </ol>	<ol style="list-style-type: none"> <li>1. Restart the NOVABOT, if it still fails, please consult the after-sales service.</li> <li>2. Keep the mobile phone and the NOVABOT within 1-2 meters.</li> </ol>
Bluetooth connection failed.	<ol style="list-style-type: none"> <li>1. NOVABOT system error.</li> <li>2. The mobile phone Bluetooth / System version is too low.</li> </ol>	<ol style="list-style-type: none"> <li>1. Restart the NOVABOT, if it still fails, please consult the after-sales service.</li> <li>2. Update the mobile phone Bluetooth and system to the latest version.</li> </ol>
Bluetooth signal is unstable / interrupted.	<ol style="list-style-type: none"> <li>1. NOVABOT system error.</li> <li>2. Too far from the mobile phone Bluetooth.</li> </ol>	<ol style="list-style-type: none"> <li>1. Restart the NOVABOT, if it still fails, please consult the after-sales service.</li> <li>2. Keep the mobile phone and the NOVABOT within 1-2 meters.</li> </ol>
Wi-Fi connection failed.	Due to compatibility considerations, NOVABOT only supports 2.4G.	Please consult the after-sales service.
Unstable / interrupted Wi-Fi signal.	<ol style="list-style-type: none"> <li>1. NOVABOT system error.</li> <li>2. Too far away from home Wi-Fi.</li> </ol>	<ol style="list-style-type: none"> <li>1. Restart the NOVABOT, if it still fails, please consult the after-sales service.</li> <li>2. Adjust the distance between the GNSS antenna and home Wi-Fi.</li> </ol>
NOVABOT can't boot up after upgrade.	NOVABOT system error.	Restart the NOVABOT, if it still fails, please consult the after-sales service.

## 8.2 Fault Messages

The fault messages listed in the table below are displayed within the NOVABOT APP and on the control panel. According to the fault message displayed by the machine, you can find a way to solve it on this table. If the current fault can not be solved or the same fault message appears frequently, please contact the after-sales service through the NOVABOT APP or the official website.

### PIN CODE

MESSAGE	CAUSE	ACTION
Wrong PIN code! You can view by NOVABOT APP if you have forgotten it.	Incorrect PIN code.	Enter the correct PIN code.You can view it on the NOVABOT APP if you have forgotten it.
Wrong PIN code has been entered 5 times.	NOVABOT is locked after entering the wrong PIN code five times continuously.	Enter the correct PIN code 1 hour later.You can view it on the NOVABOT APP if you have forgotten it.
PIN codes do not match! Please retry.	When you change the PIN code,the PIN codes you entered twice are not consistent.	Ensure that the new PIN code you entered twice is consistent.

### MOWING&SECURITY

MESSAGE	CAUSE	ACTION
NOVABOT Tilt	NOVABOT tilted, tilt angle less than 50°.	Move NOVABOT to a flat ground.Enter the PIN code.
NOVABOT Turn Over	This could have happened when NOVABOT came into contact with a sloping surface which made it overturn.	Turn NOVABOT upright and remove any obstacles that might have caused NOVABOT to overturn.Enter the PIN code.
NOVABOT Upraise	NOVABOT is lifted up.	Put NOVABOT back to the ground.Enter the PIN code.
NOVABOT Collision	NOVABOT collided, trapped in the obstacle area.	Clear any obstacles or designate the trapped area as an obstacle zone.
NOVABOT Blade Motor overcurrents	The grass is high and thick,blade disc is over-loaded.	Adjust the cutting height to a higher setting.
NOVABOT Blade Motor is stalled	The blade disc is blocked by grass,branches or other objects.	Turn off the power. Flip NOVABOT upside down to remove any obstacles that might hinder the blade from rotating. Then, return NOVABOT to an upright position and turn the power back on.
NOVABOT Left Motor is stalled	The left/right wheel is stuck by branches, ropes or other objects, and the wheel cannot turn.	Check the left/right wheel, remove branches, ropes and other objects that prevent the wheel from turning.
NOVABOT Right Motor is stalled		
Left Motor overcurrents/ Right Motor overcurrents	The left/right wheel is stuck by branches, ropes or other objects.	Check the left/right wheel, remove branches, ropes and other objects.
	NOVABOT is on a steep slope, soft sand or deep ditch.	Keep the lawn flat or set it as a obstacle area.
	Heavy objects are placed on the NOVABOT when it is working.	Remove heavy objects placed on the NOVABOT.
	The grass is too wet.	Wait for the lawn to dry before mowing.
NOVABOT wheels static overcurrents	Motors overcurrent timeout protection when motors are stationary. NOVABOT remained stationary for an extended period on a steep slope.	Avoid leaving NOVABOT stationary on steep slopes for an extended period.

### Connection

MESSAGE	CAUSE	ACTION
IMU error	IMU configuration failure.	Restart NOVABOT.
Lora error	Lora configuration failure.	
RTK error	RTK configuration failure.	
USB busy error	The previous data transfer through USB has not been completed yet.	
NOVABOT USB does not work	USB data transfer failed.	

## 9 SPECIFICATIONS

	ITEM	N1000	N2000
Family guard	Safety monitoring	Y	Y
	Anti-theft	Y	Y
	Cloud Storage	7days	30days
Navigation	RTK	BDS/GPS/GLONASS/Galileo/QZSS	BDS/GPS/GLONASS/Galileo/QZSS
	TOF	Time of flight	Time of flight
	Vision	360°Camera + front Camera	360°Camera + front Camera
Mower	Recommended Lawn Size	1000m²(1/4 Acre)	2000m²(1/2 Acre)
	Cutting area per charge	200m² (0.05 Acre)	320m²(0.08 Acre)
	Max. Slope	Up to 45% (24.2°)	Up to 45% (24.2°)
	No load cutting speed	3000r/min	3000r/min
	Cutting Width	22cm(8.7in)	22cm(8.7in)
	Cutting Height	20-90mm(0.79-3.54inch)	20-90mm(0.79-3.54inch)
	Battery Capacity	21.6V 6.4Ah	21.6V 9.8Ah
	Working time	2.5h	4h
	Blades	3 pivoted cutting blades	3 pivoted cutting blades
	Weight	13kg(29lbs)	15kg(33lbs)
	Deminsion	657*467*318mm(25.9*18.4*12.5inch)	657*467*318mm(25.9*18.4*12.5inch)
Station	Waterproof	IPX5	IPX5
	Charging rating	28V 3A	28V 5A
	Charging time	110min	110min
Feature	Waterproof	IPX4	IPX4
	No perimeter cable needed	Y	Y
	Planned cutting Route	Y	Y
	APP control	Y	Y
	OTA Upgrade	Y	Y
	Multi zone	Y	Y
	Obstacle Avoidance	Vision	Vision
Connection	Automatic charging	Y	Y
	WLAN	2412-2462MHz 0.6dBi(NA) 2412-2472MHz 0.6dBi(EU)	2412-2462MHz 0.6dBi(NA) 2412-2472MHz 0.6dBi(EU)
	Bluetooth	2402-2480MHz 0.6dBi(NA) 2402-2480MHz 0.6dBi(EU)	2402-2480MHz 0.6dBi(NA) 2402-2480MHz 0.6dBi(EU)
Accessory	Lora transmitter: station Lora receiver: mower	903.125~927.125MHz 0dBi(NA) 864.125~869.125MHz 0dBi(EU)	903.125~927.125MHz 0dBi(NA) 864.125~869.125MHz 0dBi(EU)
	Charger	Input: 120 V 60 Hz (NA), Input: 100-240 V~50/60 Hz(EU), Output: 28V ,3A	Input: 120 V 60 Hz (NA), Input: 100-240 V~50/60 Hz(EU), Output: 28V ,5A
	Charger Model	GM95-280300-1DE/GM95-280300-2DE	GM152-2800500-1FE/GM152-2800500-2DE
	Extended charging cord	10m(33ft)	10m(33ft)
	RTK antenna	1 set	1 set
	Extended RTK cord	6m(20ft)	6m(20ft)
	Additional screw & blades	3 sets (3pcs/set)	6 sets(3pcs/set)
	Charging base fixing nails	6+2pcs	6+2pcs
Noise Emission	Hex key	2pcs	2pcs
	A-weighted sound power level LWA	67dB (A) , K=3 dB (A)	67dB (A) , K=3 dB (A)
	A-weighted sound pressure level LPA	59 dB (A) , K=3 dB (A)	59 dB (A) , K=3 dB (A)
Environment	Operation Temperature	4~40°C	4~40°C
	Storage Temperature	4~40°C	4~40°C
Warranty	Battery	2 years	
	Mower + Station	3 years	
	Accessories (except screw & blade)	3 years	

## 10 STATEMENTS

### European Union compliance Statement

We hereby declare that our product, the Robotic Lawn Mower, fully complies with the directives and standards as listed in this document.

**Product:**Robotic lawn mower

**Model:**N1000/ N2000

**Serial number:**LFI-N1 XXXX-XXXXX/LFI-N2 XXXX-XXXXX

#### Fulfilled Directive:

Machinery Directive (2006/42/EC)

Radio Equipment Directive (2014/53/EU)

RoHS Directive (2011/65/EU) and amending directive ((EU)2015/863)

WEEEE

#### Harmonised standards:

EN 60335-1:2012+A11:2014+A13:2017+A1:2019+A14:2019+A2:2019

EN 50636-2-107:2015+A1:2018+A2:2020, EN 62233:2008

EN 300 328, EN 300 220, EN 303 413, EN 301 489-1, EN 301 489-3

EN 301 489-17, EN 301 489-19, EN 62479, EN 62311

EN IEC 55014-1, EN IEC 55014-2, EN 61000-3-2, EN 61000-3-3

278/2009 /EC, 2011/65/EU, 2012/19/EU

**Manufacturer:**Shenzhen LYF Intelligence Co., Ltd.

**Address:**NO.501 Building 1, Shenzhen Software Park Yuehai Street, Nanshan District, Shenzhen City Guangdong P.R. China

**Approval:**Minos Xie

**Place:**Shenzhen, China

**Position:**Product Director

**Date:** 2023/07/21

**Signature:**



## FCC Statement

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.**

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

## FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

## IC Statement

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

The device is compliant with RF field strength limits, users can obtain Canadian information on RF exposure and compliance.

This Class B digital apparatus complies with Canadian ICES-003.

## IC Déclaration

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Le présent appareil est conforme de ce matériel aux conformités ou aux limites d'intensité de champ RF, les utilisateurs peuvent sur l'exposition aux radiofréquences et la conformité d'acquiescer les informations correspondante.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

CAN ICES-003 (B)/NMB-003(B)

## IC Radiation Exposure Statement

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

## Déclaration d'exposition aux radiations

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

## 11 DISCLAIMERS

### LIABILITY DISCLAIMER AND LIMITATION :

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2. SHENZHEN LYF INTELLIGENCE CO., LTD AND NOVABOT DEALERS WILL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. YOUR RECOURSE IS LIMITED TO THE REPAIR OR REPLACEMENT OF THE PRODUCT OR PART AT OUR DISCRETION. THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE STATED HEREIN. ANY WARRANTIES IMPLIED BY STATE LAW, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY DISCLAIMED. IF SUCH A DISCLAIMER IS PROHIBITED BY LAW, THEN SUCH IMPLIED WARRANTY SHALL BE LIMITED IN DURATION TO THE APPLICABLE LIMITED WARRANTY PERIOD LISTED IN THE CHART BELOW. CERTAIN JURISDICTIONS, INCLUDING THE PROVINCE OF QUEBEC, MAY NOT ALLOW EXCLUSIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LIMITATIONS ON THE DURATION OF AN IMPLIED WARRANTY, THUS THE AFOREMENTIONED EXCLUSIONS AND LIMITATIONS MIGHT NOT BE APPLICABLE TO YOU. ADDITIONALLY, THEY SHALL NOT BE HELD LIABLE FOR ANY OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES THAT YOU MIGHT INCUR.
  
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4. TO THE EXTENT ALLOWABLE WITHIN THE BOUNDARIES OF APPLICABLE LAW, SHENZHEN LYF INTELLIGENCE CO., LTD AND NOVABOT DEALERS HEREBY ASSERT A DISCLAIMER OF LIABILITY AND SHALL NOT BE HELD ACCOUNTABLE FOR ANY DAMAGES, INCLUDING BUT NOT LIMITED TO FATALITIES, BODILY HARM, OR PROPERTY DAMAGES, ARISING FROM OR LINKED TO ANY ACTIONS (INCLUSIVE OF MISCONDUCT), UNDERTAKINGS, OMISSIONS, OR NEGLIGENCE, WHETHER COMMITTED BY AUTHORIZED OR UNAUTHORIZED DEALERS, DISTRIBUTORS, WHOLESALERS, RETAILERS, SERVICE PROVIDERS, OR THIRD PARTIES INVOLVED IN THE DISTRIBUTION OF THE PRODUCT OR RELATED SERVICES. SUBJECT TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXPRESS REPRESENTATIONS AND WARRANTIES, IF ANY, STIPULATED HEREIN SHALL STAND AS THE EXCLUSIVE WARRANTIES AND REPRESENTATIONS EXTENDED BY SHENZHEN LYF INTELLIGENCE CO., LTD TO YOU, ANY CONSUMER, AND/OR END-USER. LYF INTELLIGENCE PARTIES SHALL NOT BE HELD RESPONSIBLE FOR ANY OTHER WARRANTIES AND/OR REPRESENTATIONS THAT MIGHT BE OFFERED AND/OR PRESENTED BY OTHER PARTIES UNLESS SUCH ADDITIONAL WARRANTY AND/OR REPRESENTATION HAS BEEN EXPLICITLY AUTHORIZED IN WRITTEN FORM BY SHENZHEN LYF INTELLIGENCE CO., LTD FOR PROVISION TO THE CONSUMER OR END-USER.



## **HANDLING AND WARNING DISCLAIMER FOR CARCINOGENIC SUBSTANCES (PROP 65):**

In order to ensure your health and safety, we hereby provide you with important information regarding potential carcinogens associated with lithium-ion batteries and their waste, in accordance with the requirements of California Proposition 65.

1. **Hazard from Electrolyte Solution and Volatile Gases:** The electrolyte solution in lithium-ion batteries may contain volatile organic liquids. Their volatility and corrosiveness could pose risks to the respiratory system and lead to respiratory diseases.
2. **Risks Under Elevated Temperatures:** When lithium-ion batteries are fully charged, reactions such as the deposition of metallic lithium and oxidation of solvents can occur under high temperatures, potentially causing fires or explosions.
3. **Impact of Heavy Metals and Lead:** The presence of lead components in lithium-ion batteries may adversely affect bone health, potentially leading to osteoporosis and related health issues.
4. **Environmental Pollution and Hazards:** Discarded lithium-ion batteries may contain heavy metals and electrolyte solutions that could permeate soil and groundwater, posing significant threats to the ecosystem. These substances cannot naturally degrade, leading to contamination of water bodies and soil.
5. **Batteries and Chemical Substances:** Discarded lithium-ion batteries pose a higher pollution risk. Upon combustion, they may release chlorine-containing toxic substances and potential carcinogens, which could potentially harm both the environment and health. This could lead to disruptions in thyroid function, immune system issues, and other health problems.

As mandated by California Proposition 65, we provide the above information about potential carcinogens and health risks associated with lithium-ion batteries. We strongly advise that you take appropriate safety measures when using, disposing, or handling lithium-ion batteries to avoid exposure to potential health risks. If you have any questions or require further information, please consult healthcare professionals or environmental experts.

We appreciate your concern and support for health and environmental protection.

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