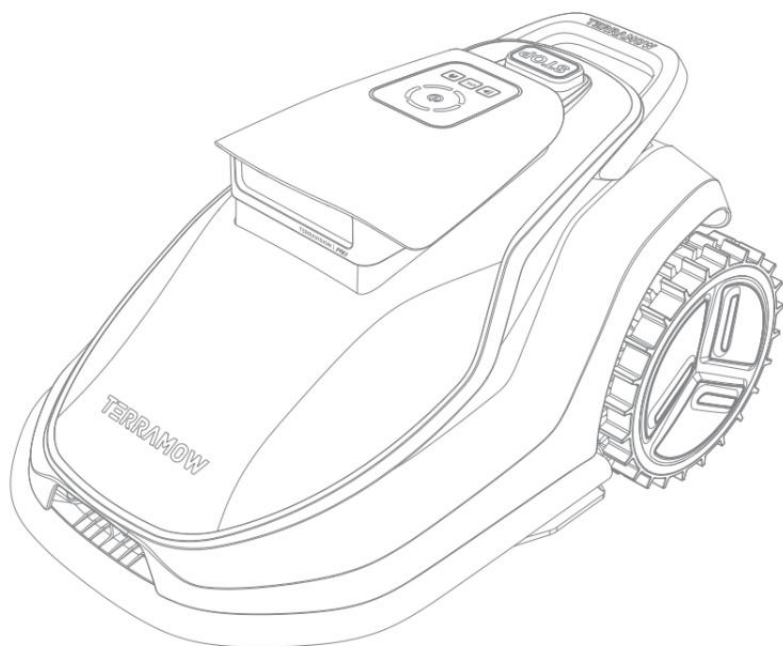


User Manual



Original Instruction Manual

V Series



TERRAMOW

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Welcome to the Era of AI Vision

Thank you for choosing TerraMow for your garden care!

TerraMow is ready for use with a straightforward one-step setup. Eliminate the need for perimeter wires, complex RTK systems, and difficult manual lawn mapping.

Thanks to its cutting-edge AI vision system, TerraVision, TerraMow can mow as intelligently as a human.

1

This user manual will guide you in learning to operate TerraMow. Please enjoy the fun of hassle-free mowing and a perfectly maintained lawn!

Intended Usage

This product is strictly intended for domestic lawn mowing only. Using the mower for any other purpose is prohibited and may lead to serious injury. It is essential to read and understand all warnings and precautions in this manual to minimize risks. While following the instructions can reduce the likelihood of accidents, some risks are inherent and cannot be completely eliminated. The operator or user is responsible for any incidents involving others on their property while operating the mower.

Customer Service

support@terramow.com

1. Safety First

IMPORTANT

READ CAREFULLY BEFORE USE - KEEP FOR FUTURE REFERENCE

Your safety is our top priority. Please read the following important safety guidelines before using the product to ensure a safe and enjoyable experience.

The safety rules aim to highlight potential dangers. The safety symbols, and their explanations, require your careful attention and understanding. The safety warnings alone do not eliminate any risks. The instructions or warnings they provide are not substitutes for proper accident prevention measures.

WARNING: Read all safety warnings and instructions. Make sure you understand the instructions and are familiar with the controls and proper use of the appliance. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Carefully read the instructions for the safe operation of the appliance. Save all warnings and instructions for future reference.

WARNING: Failure to obey a safety warning can result in serious injury to yourself or others. Always follow safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep the owner's manual and review it frequently to ensure safe operation and to instruct others who may use this appliance.

WARNING: This machine produces an electromagnetic field during operation. This field may under some circumstances interfere with active or passive medical implants. To reduce the risk of serious or fatal injury, we recommend that persons with medical implants consult their physician and the medical implant manufacturer before operating this appliance.

NOTE: The term "appliance" encompasses TerraMow, the base station, and all related components, accessories, and equipment.

- Please read the instructions carefully and familiarize yourself with the controls and the proper operation of the appliance.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they are given supervision or instruction on its use by a responsible person.
- Users should be between the ages of 18 and 70, as local regulations may restrict the operator's age. Children must be supervised to ensure they do not play with the appliance.
- Ensure that the mower and base station are set up and used according to the guidelines. For the complete User Manual and latest information, visit www.terramow.com.
- Using the appliance for purposes other than mowing may result in serious injury. To avoid injuries, please read and understand all warnings and cautions. You can reduce risks by following the instructions and warnings in this manual, but you cannot eliminate all risks. The operator or user is responsible for accidents or hazards affecting others on their property.
- The mower has many built-in safety sensors; however, safety risks still exist. Set a mowing time when no people or pets on the lawn, and inform the neighbors about the risks of accidents or hazards. When using the mower on a public lawn, or when your lawn is accessible to neighbors or streets, protect or fence the area, or place a warning sign around the working zone that says: **WARNING! Automatic lawn mower! Keep away from the machine! Supervise children!**
- DO NOT attempt to modify this appliance on your own. Alterations could disrupt its functions, leading to serious injuries and/or damage, or invalidate the Limited Warranty.
- Only use parts and accessories approved by the TerraMow manufacturer.
- Please ensure you receive the proper training before using the appliance.

Never allow individuals who are not familiar with it, or children to operate it. Only those who understand how mower works and behaves are allowed to use it.

- The mower contains batteries. The battery must be replaced according to the steps outlined in this manual. Only batteries provided by the manufacturer are allowed for replacement. We will not be held responsible for any consequences resulting from using batteries from other brands or not following the official manual.
- Only use the provided base station to recharge the mower.
- If any cell of this appliance is swallowed, seek medical advice immediately.
- To prevent potential damage, ensure the mower operates at least 1 meter (3 feet) away from any sprinkler heads. Do not use the mower and sprinklers simultaneously. Schedule the mower to operate at a different time than the sprinklers.
- Be cautious when adjusting the machine to prevent fingers from getting entangled in the moving blades and fixed parts.
- For safety, replace worn or damaged parts with only genuine replacement parts and accessories. Clearly identify consumable parts, for example, by using a part number or similar method.

1.1 Before Mowing

- Ensure the correct installation of the automatic perimeter delineation system as instructed.
- On multi-spindle appliances, exercise caution when rotating one blade, as it may cause other blades to rotate.
- Avoid operating the equipment in wet grass whenever possible.
- Do not operate the appliance or its peripherals if the guards or shields are damaged, or the cord is frayed or worn.
- Do not use the mower if any components such as the blade disc, body,

blades, screws, nuts, or cables are damaged.

- Be cautious with sharp objects in this product, like screws and stakes. Do not point them toward people or animals.
- For optimal mowing performance, it is recommended to mow in dry conditions, as mowing in the rain can cause grass clumps on the mower and increase the chance of slipping. Avoid mowing in adverse weather conditions, including heavy rain, thunderstorms, or snow.
- Regularly check that all mower parts are functioning properly.
- Regularly ensure the blades, blade screws, and cutting assembly are not worn or damaged. If any parts are worn or damaged, replace the blades and screws as complete sets to maintain balance.
- Thoroughly inspect the area where the equipment is to be used and remove all objects which could be thrown by the machine.
- Regularly check the area where the mower will be used and clear away stones, sticks, wires, bones, and other foreign objects. The Limited Warranty does not cover damage caused by objects left on the lawn.

1.2 When Mowing

- Children should not be allowed to be near or play with the machine when it is operating.
- Start the mower as directed in the manual. When powering on, ensure your hands and feet are clear of the rotating blades. Avoid placing hands or feet near or under any moving parts and blades. Always stay away from the discharge opening. Never position your hands or feet close to or under the mower when it is running.
- Never pick up or carry the mower when the motor is running. Avoid lifting the mower during operation. Sitting or riding on the mower or the base station is strictly prohibited. Do not place any objects on top of the mower or base station.
- Switch off the mower:

- Before removing a blockage.
- Before inspecting, cleaning, or performing maintenance on the mower.
- Always switch off the mower when it is not in use. The mower can only be started when its power is turned on.
- Do not touch moving parts until they have completely stopped.
- Do not let the mower operate unsupervised if you are aware of pets, children, or people nearby.
- Be cautious of flying objects! Maintain a safe distance from the mower when it is operating.
- Avoid overreaching. Always keep your balance and ensure your footing is secure on slopes. Walk—do not run—while using the mower or its accessories. Do not mow on slopes that exceed the maximum incline specified for the operating area, including the boundary.
- If the mower emits an unusual sound or triggers an alarm, immediately press the STOP button.
- If the machine starts to vibrate abnormally, check for damage before restarting.
- If you experience unusual vibrations, switch off the mower, place it on flat ground for about 30 seconds, and then restart it. If the problem persists, reach out to the authorized after-sales service.

1.3 Safe Usage

- Do not use the mower outside the temperature range of 5–45 °C . Operating it in extreme temperatures can reduce its performance and may cause accidents.

Maintenance and Storage

WARNING: Always switch off the power when the mower is flipped upside down. The power should also be turned off when performing any maintenance on the mower's underside, including cleaning or changing blades.

- It is recommended that an adult perform regular maintenance on the mower (please refer to "5 Maintenance").
- Regularly inspect the warning devices, including the buzzer, the LED light on the base station, and the mower's ambient light, to ensure their effectiveness.
- Ensure all nuts, bolts, and screws are tightly secured to maintain the appliance in a safe working condition.
- Check the mower each week for worn or damaged parts and replace them as necessary for safety.
- Pay close attention to the blades and blade disc to ensure they are not damaged. If necessary, replace all blades and screws simultaneously to maintain balance in the rotating parts.
- Follow the manufacturer's instructions for appliance maintenance.
- Always wear protective gloves when replacing blades to prevent injuries.

Charging and Battery Safety

- **If, under extreme conditions, any electrolyte should escape from the battery, avoid contact with your skin. If electrolyte does come into contact with your skin, rinse immediately with water and consult a doctor. If it comes into contact with your eyes, seek medical attention immediately.**
- Keep moisture, rain, or splashed water away from the charging location.
- The ambient temperature must not exceed 45 °C . Never expose the device to direct insulation.
- Defective or damaged batteries, or those that can no longer be recharged, must be disposed of as hazardous waste. Hand them over at a special collection point. Never harm the environment by disposing of unusable batteries in domestic waste, fire, or water.
- Only use batteries produced by the original manufacturer.
- Do not throw Li-ion batteries into water or fire, as this poses a risk of explosion!
- Protect the battery from impacts, and do not open it.

- Never discharge the battery completely. If not used for a prolonged period, recharge it occasionally. If the battery has not been used for over 6 months, it is advisable to recharge it.
- Do not repair or manipulate the battery pack. These actions should only be carried out by authorized after-sales or manufacturer-appointed technicians.
- Please read the "How to Charge" section in Chapter 3.3 before charging. Incorrect charging may lead to electric shock, overheating, or leakage of corrosive liquid.
- If the power supply cord or the extension cable is damaged or entangled, disconnect the power supply from the socket before untangling it. For safety, always pull from the plug body, not the cord, when disconnecting from the socket. If the cord is damaged, contact after-sales service for professional repair or replacement.
- Connect the base station and/or its peripherals only to a supply circuit protected by a Residual Current Device (RCD) with a tripping current not exceeding 30 mA.
- During the charging process, ensure the current used matches the battery charger.
- Do not dismantle, open, or shred battery cells. Avoid short-circuiting the battery as this may cause burns or a fire. Additionally, do not expose the battery to mechanical shock.
- Always follow the provided instructions for charge and using the correct process. The battery should only be charged when installed in the TerraMow mower and should not be charged independently. Use only the TerraMow base station and the provided adapter for charging. Incorrect use can lead to electric shock, overheated, or battery leakage.

Safe transport

- For long-distance transportation, use the original packaging for the base station and mower.
- To safely move the appliance:
 - Press the STOP button to halt the mower

- Always turn the mower off before lifting or carrying it.
- Lift the mower by using its handle.
- When carrying the mower, keep the blade disc pointed away from your body.

1.4 Symbols and Decals

Symbols and Decals

Symbol	Description
	WARNING - Read user instructions before operating the machine
	WARNING - Keep a safe distance from the machine when operating
	WARNING - Operate the disabling device before working on or lifting the machine
	WARNING - Do not ride on the machine
	WARNING - 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
	This product conforms to the applicable EC Directives
	Warning
	Class II appliance





Class III appliance



Li-ion

Li-ion battery. This product is marked with a symbol indicating 'separate collection' for all battery packs. These will be recycled or dismantled in order to minimize the impact on the environment. Battery packs can be hazardous to the environment and human health as they contain harmful substances

IPX6

IPX6 for base station

IPX6

IPX6 for robot lawn mower



Direct current



Alternating current



This item can be recycled



This product is fragile



This way up



Keep away from sunlight



Keep the pack of this product dry



Do not roll

1.5 Environmental Protection



Do not dispose of electrical products with household trash. Please recycle whenever possible. Contact your local waste authority or the place of purchase for recycling guidance.

2. Get Familiar with TerraMow

2.1 What's in the Box



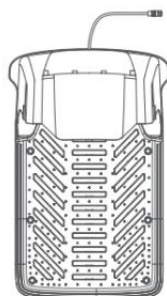
TerraMow x1



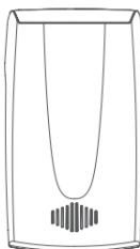
Power Adapter x1



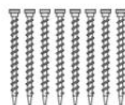
Garage Screw x4



Base Station x1



Garage Kit x1



**Base Station
Screw x8**



Blade x9



Blade Screw x9

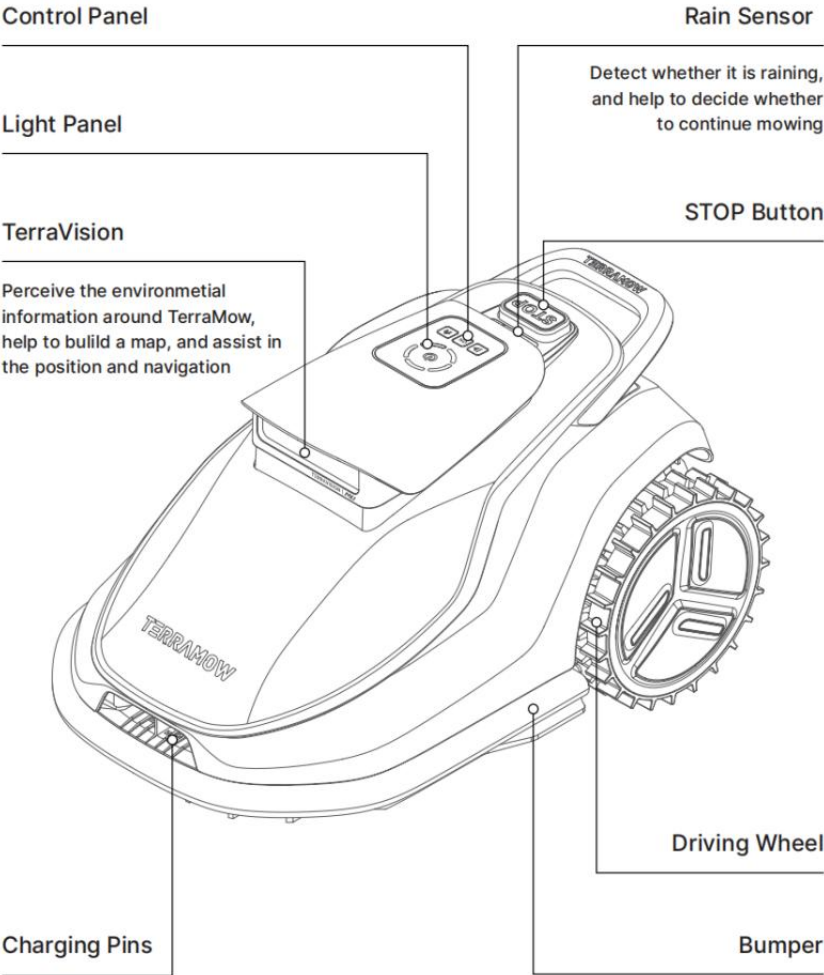


Hex Key x1

2.2 TerraMow Overview

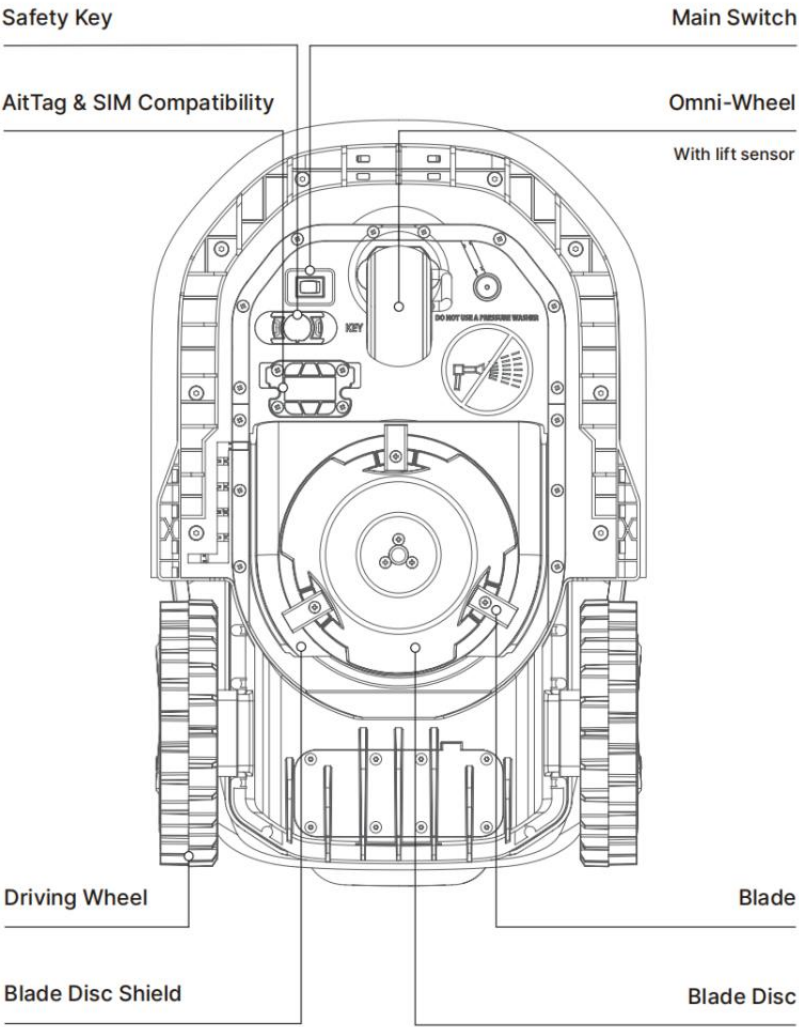
Top View

The picture is for reference only



Bottom View

The picture is for reference only



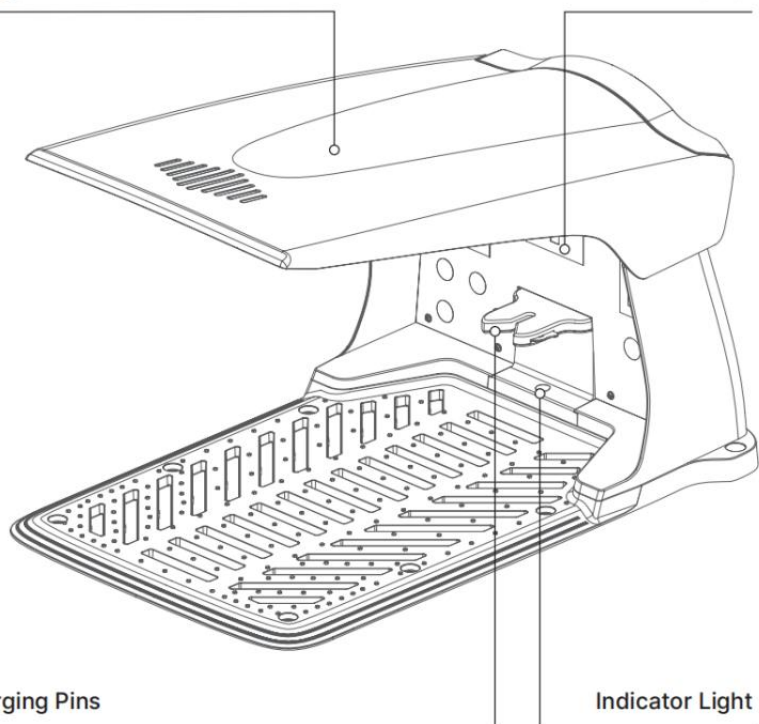
NOTE: The AirTag is not a necessary item and is not included with our product. Please purchase separately if needed. Please note that the TerraMow app does not support AirTag functionality.

Base Station

The picture is for reference only

Garage

Marker



2.3 How TerraMow Works

TerraMow is equipped with the TerraVision visual perception system, enabling autonomous functionality.

- This system can distinguish between grass-covered areas and other surfaces, ensuring that the robot remains within the boundaries of the lawn.
- This system utilizes visual positioning technology, enabling functions such as robot navigation, systematic cutting, and returning to the base station.

Functions

Boundary Management

No installation of perimeter wires or RTK reference stations required, nor is manual guided mapping necessary.

Systematic Cutting

TerraMow, equipped with an advanced visual positioning system, achieves back-and-forth systematic cutting. The app seamlessly displays the cutting path, enabling visual progress monitoring by users.

Obstacle Avoidance

Using stereo vision and image segmentation technology, TerraMow detects objects ahead in real-time. It will avoid non-grass obstacles, such as tree stumps, balls and child's toys.

Cutting Height

You can easily adjust the cutting height through the app. Before the initial use of your TerraMow, ensure that the grass height does not exceed 9 cm. To significantly reduce grass height, it is recommended to gradually adjust the cutting height in steps over time.

Charging

When needing to recharge, TerraMow will pause mowing and navigate back to the base station. Upon completing the charge, TerraMow will automatically return to the exact spot where mowing was interrupted and resume the task.

Spot Mode

If you have a separate lawn of less than 120 square meters, you can use Spot Mode. Please refer to "4.3 Mow" - "Start Spot Mode Mowing". In this mode, the robot returns to the starting point upon task completion or if the battery is low.

Multi-Base Mode

If you have some separate lawn, Multi-base Mode is available. To use the Multi-base Mode, you will need to purchase an additional TerraMow base station. Once the new base station is set up on the second lawn and the TerraMow is placed inside the base station, it will automatically recognize the new base station. Upon starting TerraMow, it will create another new map for that lawn. TerraMow recognizes the base station ID, automatically switches maps, and loads the corresponding map settings (such as no-go zones and pathways).

Schedule

You can set your mowing schedule via the TerraMow app. This feature enables you to set up a unique mowing schedule for each day of the week. For detailed instructions, please refer to "4.2 TerraMow App".

Rain Sensor and Rain Delay

TerraMow is weather-resistant, but mowing wet grass may not yield the best results. Equipped with a rain sensor, it detects rain and will stop mowing, returning to its base station. Once the grass dries, TerraMow will automatically resume mowing.

Cellular Data

Cellular networks enhance communication with the app in areas with weak Wi-Fi signals. Furthermore, for anti-theft purposes, TerraMow utilizes cellular connectivity to transmit GPS data to the app when activated.

2.4 Specifications

		V1000	V600
Recommended Mowing Area		1000 m ² (0.25 Acre)	600 m ² (0.15 Acre)
Cutting Height		25 – 75 mm (1 – 3 in)	
Cutting Width		203 mm (8 in)	
Maximum Slope		20° (36%)	
Over-the-air Update (OTA)		app, Firmware	
Noise		< 54 dB	
Robotic Mower Dimensions Length × Width × Height		60.2 × 38.4 × 33.1 cm (23.7 × 15.1 × 13 in)	
Base Station Dimensions Length × Width × Height		72.7 × 48 × 45.2 cm (28.6 × 18.9 × 17.8 in) Without Garage Height: 39.8 cm (15.7 in)	
Weight		Robotic Mower: 11.8 kg (26 lbs) Base Station: 6.5 kg (14 lbs)	
Waterproof (IP rating)		Robotic Mower: IPX6 Base Station: IPX6	
Working Voltage		24 Vd.c.	
Capacity of Battery		4.5 Ah / 98.55 Wh	3.8 Ah / 84.36 Wh
Charging Time		120 min	120 min
Mowing Time on One Full Charge		150 min	120 min
Recommend Operation Temperature		0 – 55 °C	0 – 50 °C
Measured Sound Power Level LWA		66.30 dB	
Sound Power Uncertainties KWA		3 dB	
Sound pressure Level LpA		56.0 dB	
Sound pressure Uncertainties KpA		3 dB	
GPS Module Accuracy For Anti-Theft Tracking		20 – 30 m	
IoT Connectivity	Wi-Fi	2.4GHz Wi-Fi 5.2GHz Wi-Fi 5.8GHz Wi-Fi	
	Cellular Network (For US version)	LTE-FDD LTE-TDD	
	Cellular Network (For other version)	LTE-FDD	

* Operation of this device in the band 5150-5250 MHZ is restricted to indoor use only.

* Fonctionnement de cet appareil dans la bande 5150-5250 MHZ est limité à une utilisation à l'intérieur seulement

		V800
Recommended Mowing Area		800 m ² (0.2 Acre)
Cutting Height		25 – 75 mm (1 – 3 in)
Cutting Width		203 mm (8 in)
Maximum Slope		20° (36%)
Over-the-air Update (OTA)		app, Firmware
Noise		< 54 dB
Robotic Mower Dimensions Length × Width × Height		60.2 × 38.4 × 33.1 cm (23.7 × 15.1 × 13 in)
Base Station Dimensions Length × Width × Height		72.7 × 48 × 45.2 cm (28.6 × 18.9 × 17.8 in) Without Garage Height: 39.8 cm (15.7 in)
Weight		Robotic Mower: 11.8 kg (26 lbs) Base Station: 6.5 kg (14 lbs)
Waterproof (IP rating)		Robotic Mower: IPX6 Base Station: IPX6
Working Voltage		24 Vd.c.
Capacity of Battery		3.8 Ah / 84.36 Wh
Charging Time		120 min
Mowing Time on One Full Charge		120 min
Recommend Operation Temperature		0 – 50 °C
Measured Sound Power Level LWA		66.30 dB
Sound Power Uncertainties KWA		3 dB
Sound pressure Level LpA		56.0 dB
Sound pressure Uncertainties KpA		3 dB
GPS Module Accuracy For Anti-Theft Tracking		20 – 30 m
IoT Connectivity	Wi-Fi	2.4GHz Wi-Fi 5.2GHz Wi-Fi 5.8GHz Wi-Fi
	Cellular Network (For US version)	LTE-FDD LTE-TDD
	Cellular Network (For other version)	LTE-FDD

* Operation of this device in the band 5150–5250 MHz is restricted to indoor use only.

* Fonctionnement de cet appareil dans la bande 5150–5250 MHz est limité à une utilisation à l'intérieur seulement

3. Getting Started

3.1 Before Your Start

Download the App

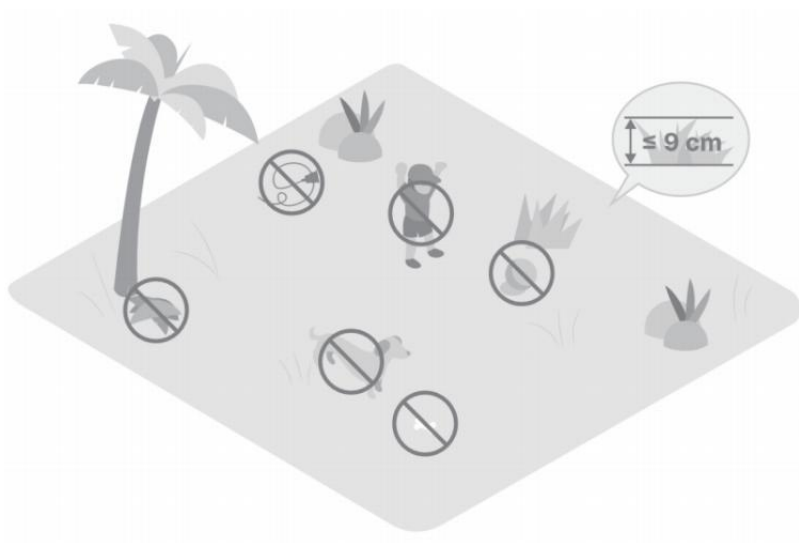
You can download the TerraMow app from the Google Play (for Android devices) or Apple App Store (for iOS devices) by scanning the QR code or simply searching for "TerraMow". After installing the app, please create an account and sign in.



NOTE: The TerraMow app requires access to your location, notifications, and Wi-Fi network information. For the best experience, it is recommended to grant these permissions. For the privacy policy, please refer to the "More" - "About" - "Privacy Policy" section in the app.

Prepare Your Lawn

- **Clear Obstacles:** Remove all debris, including piles of leaves, toys, wires, stones, and any other obstacles from your lawn.
- **Cut Grass:** Ensure that the grass height does not exceed 9 cm.
- **Keep Children and Pets Away:** Ensure that children and pets are kept at a safe distance from the TerraMow operating area.



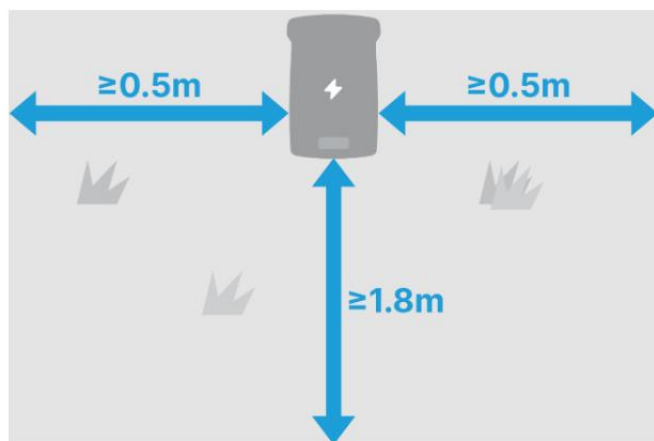
3.2 Install Base Station

Find An Optimal Installation Location for the Base Station

The base station is where your TerraMow parks and charges.

To ensure smooth returns and charging, choose an appropriate location by following the guidelines:

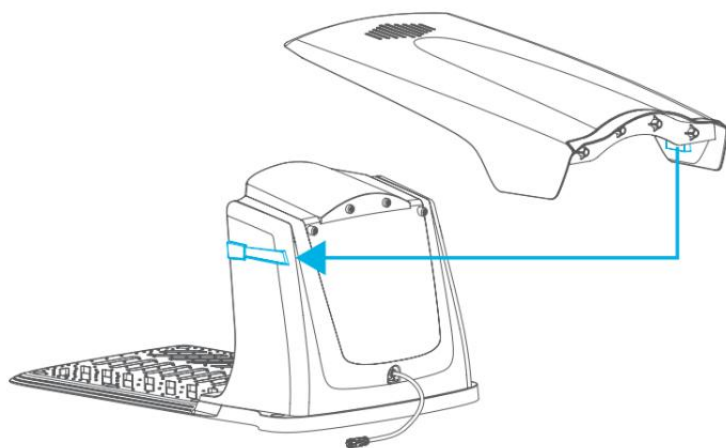
- **Flat Surface:** Place the station on a flat lawn area with no slope, stones or steps.
- **Strong Wi-Fi Signal:** Ensure the location receives a strong Wi-Fi signal, compatible with both 2.4 GHz and 5 GHz networks.
- **Clear Surroundings:** Keep the area free of obstacles, such as houses, trees, or bushes, within 0.5 meters (about 1.6') on both sides and 1.8 meters (about 5.9') in front of the base station.



NOTE: If you move the base station, please allow the robot to recalibrate the base station's position on the map. In the app, click on "Map Edit" - "Relocate Base Station."

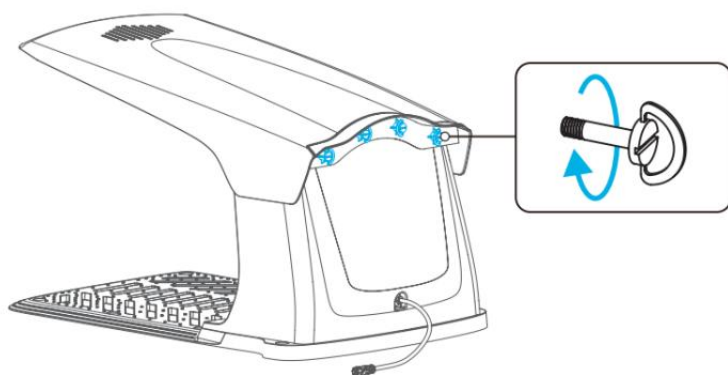
Assemble Garage Kit

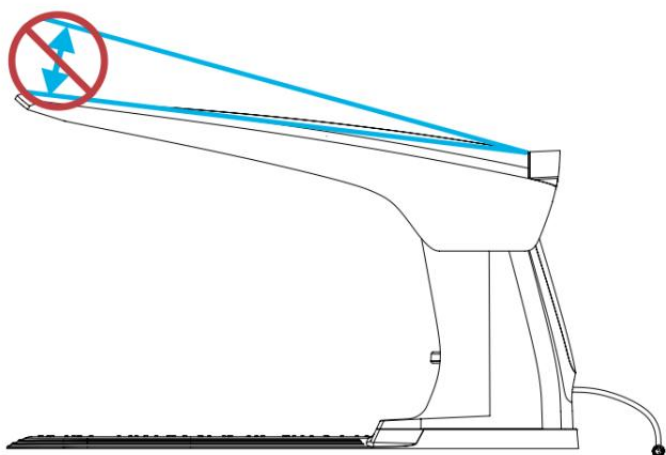
1. Attach the garage to the top of the station from back to front, make sure the inner protrusion fits the groove of the base station tower.



22

2. Tighten the 4 screws on the back of the garage.



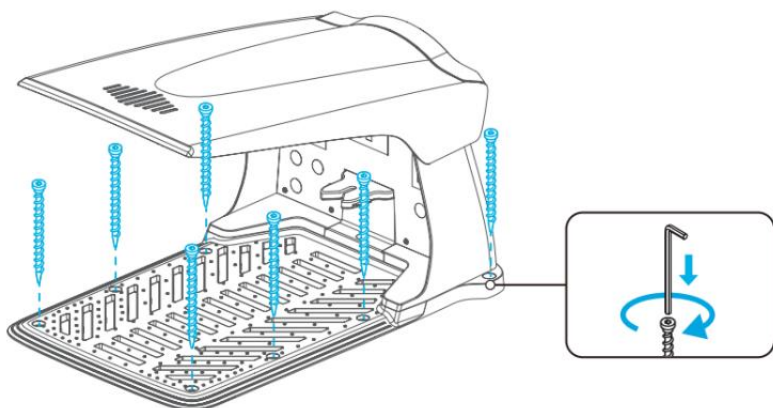


WARNING:

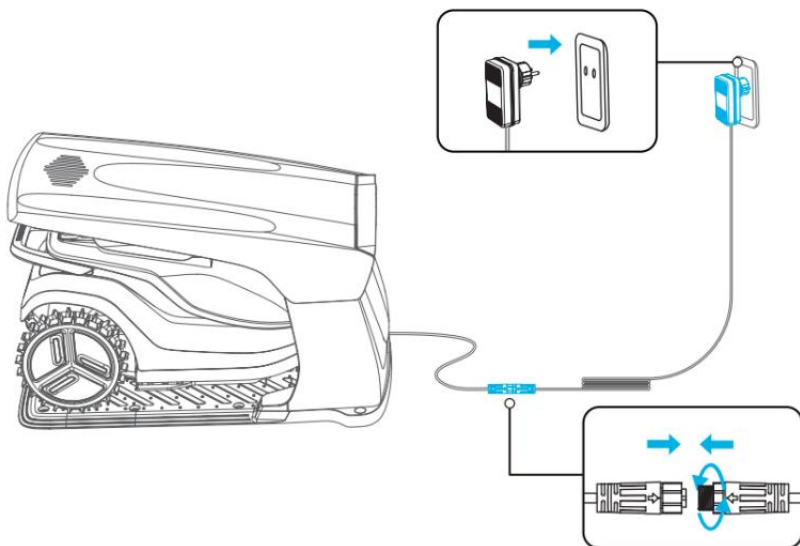
- Do not place anything on top of the garage to prevent damage or interference with the automatic recharging process.
- In cases of heavy or frequent snowfall, it is recommended to store TerraMow indoors to prevent damage.

Install Base Station

1. Place the base station and secure it using screw mounts.



-
- 24
2. Securely connect the base station cable to power adapter, then plug the adapter into a 100–240 V AC power outlet. Please tighten the connector nuts to prevent water ingress.



WARNING:

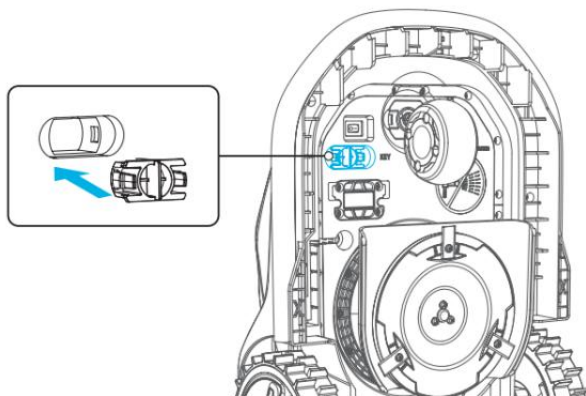
For placing and fixing power adapter:

- Do not expose the power adapter to direct sunlight or rain.
- Place it in a well-ventilated indoor area.
- Keep it at least 30 cm (12") off the floor to avoid possible damage caused by water.

3.3 Charge And Activate TerraMow

Insert Safety Key

Place your TerraMow upright and insert the safety key into the keyhole.

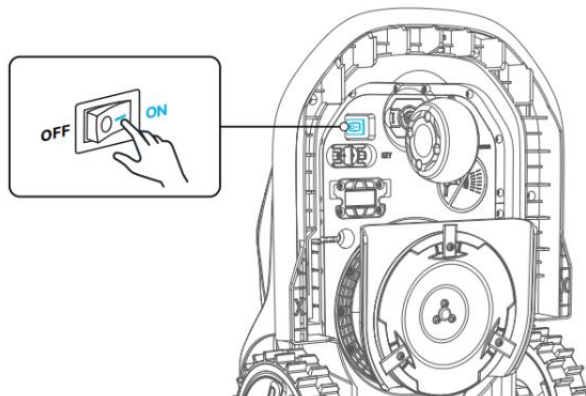


26

WARNING: Please ensure correct key orientation when inserting.

Power On TerraMow

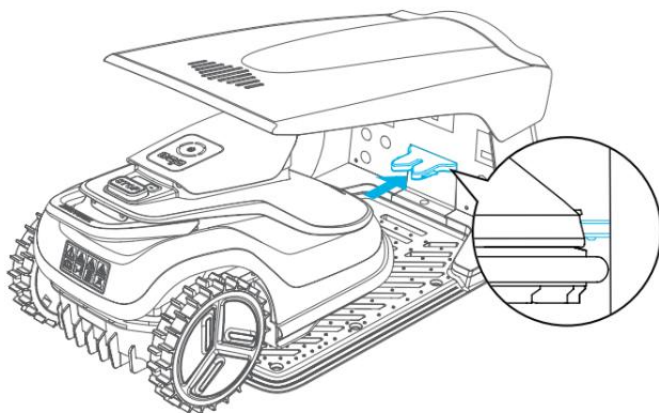
Set the main switch at the bottom in "I" position to turn on your TerraMow. The panel light will illuminate.



Charge Your TerraMow

- Charge for the first time

Manually position the TerraMow on the base station, ensuring that the charging pins on both the station and the TerraMow are properly aligned. Allow the device to fully charge before use.

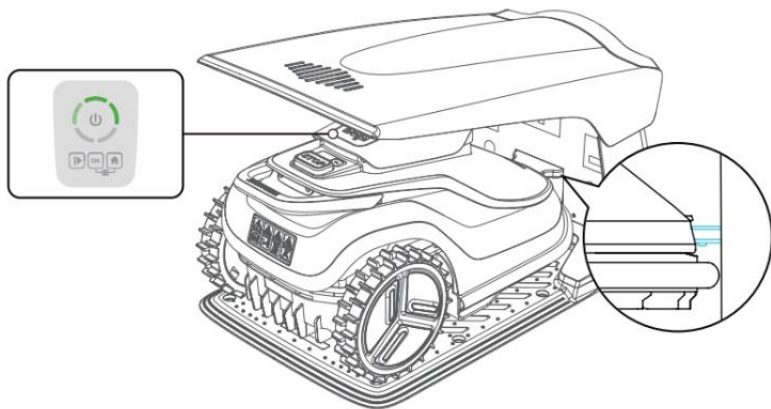


27

- Light panel during charging

The light panel indicator bar on your TerraMow indicates its charging status:

- The green light flashes while charging, and the bars indicate the current battery level of your TerraMow.
- After fully charged, the green light remains solid.



WARNING :

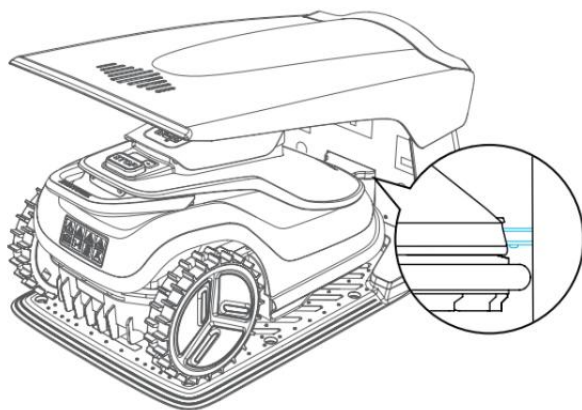
- DO NOT charge if TerraMow, the power adapter, the base station, or the power outlet is damaged.
- DO NOT charge your TerraMow if the temperature is above 45 °C (113 °F) or below 5 °C (41 °F). The battery is equipped with temperature protection and will only charge within this safe temperature range.
- When there is an abnormal smell, sound or light display, stop charging immediately and contact after-sales service.
- Keep away from inflammable and explosive materials when charging.

Connect to the Internet

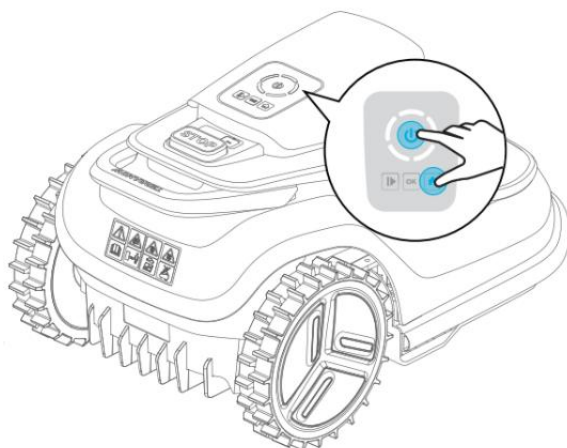
NOTE: During the connection process, make sure the distance between your phone and TerraMow is less than 3 m (10').

The date of the first successful Internet connection is considered the activation date for TerraMow. This activation date will be recorded and cannot be reset.

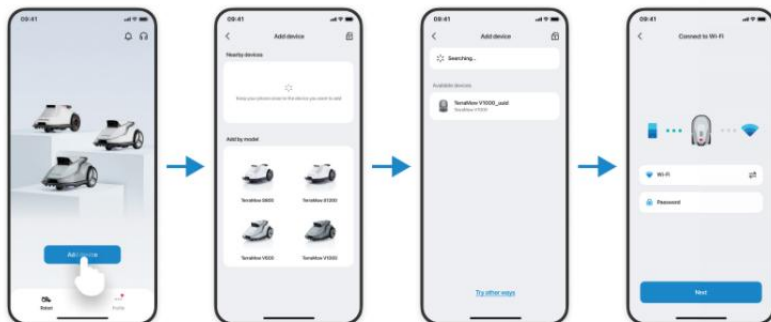
1. Ensure your TerraMow is on the base station.



2. Press and hold both  and  for 2 s until the light panel starts white flashing.



3. Sign in to the app and select "Add device", then Follow the app prompts to connect to the Internet.



Update to the Latest Firmware

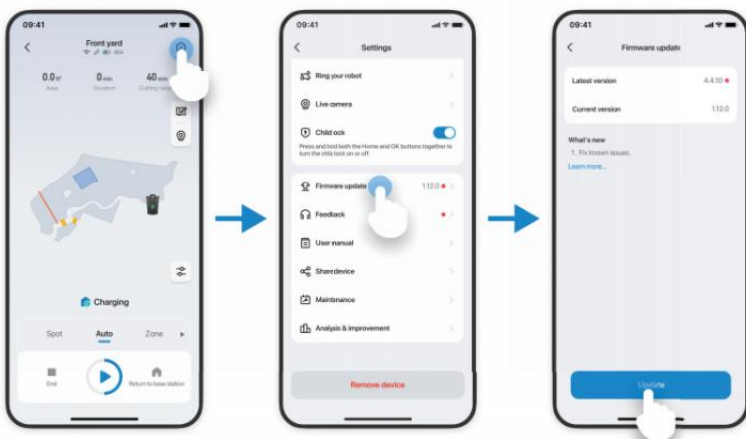
For a better experience, please update your TerraMow to the latest version of the firmware before using.

- If the firmware version is outdated, you will see a pop-up . Tap the "Update now" button and follow the instruction.

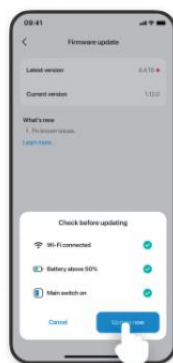


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- If you don't see the pop-up, please switch to "Robot Settings" tab in map detail page. And tap "Firmware update" for the latest version. A red dot will appear next to the "Latest version" tab to indicate there is a new firmware. Tap "Update now" below to download and update to the latest version.



Before updating, it will self-check the update environment. Please fix the failure accordingly before tapping "Update now". It takes about 20-30 minutes to complete the update.



NOTE:

When updating the firmware:

- Ensure update is done over a strong Wi-Fi connection.
- Make sure the battery is above 50%.
- Make sure the main switch is on.

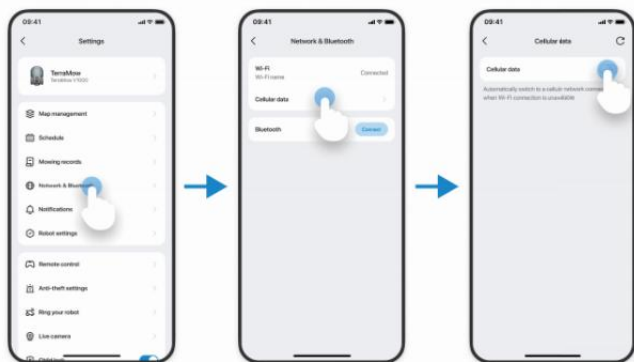
WARNING:

- DO NOT power off or perform other operations during updating.

How To Activate TerraMow Cellular Data

You can activate cellular connection on TerraMow app. Please connect your TerraMow to the Internet first, please refer to "3.3 Charge And Activate TerraMow" - "Connect to the Internet".

Please navigate to "Robot settings" - "Network & Bluetooth" - "Cellular data", then turn on the Cellular data switch. It may take a while to activate the cellular module and load the basic information.

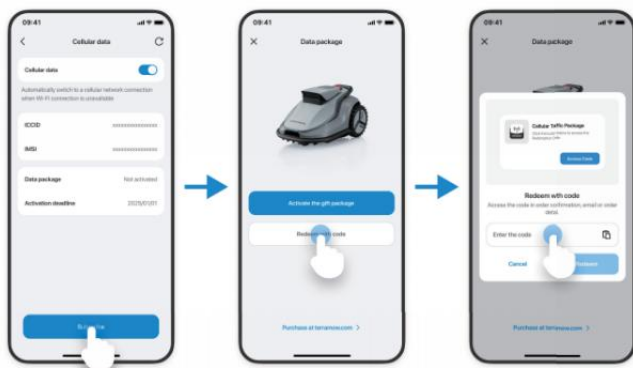


How to Activate Cellular Data Plan Using TerraMow Default SIM Card

NOTE: Activate the cellular data plan only if you fully understand and agree to the pricing terms of the TerraMow default SIM card. If you do not accept the associated fees or terms, DO NOT redeem or activate the data plan.

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You can activate the data plan for the default SIM card in the app. Navigate to "Robot Settings" - "Network & Bluetooth" - "Cellular Data" - "Subscribe", then enter your redemption code, and tap Redeem.



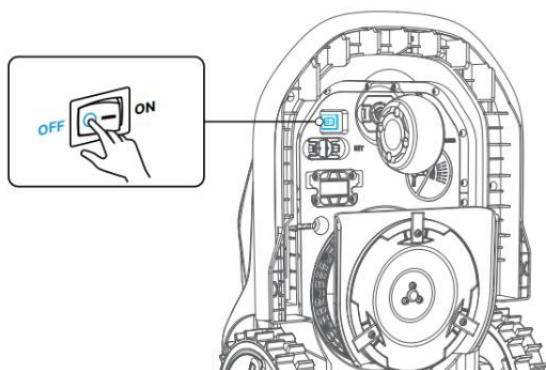
How to Replace SIM Card

TerraMow V Series supports SIM card replacement for cellular data plan use. Ensure the new SIM card's data plan is activated before installation. Gather the following items before starting:

- SIM card (Nano-SIM, 4FF)
- Cross-tip screwdriver (PH2)

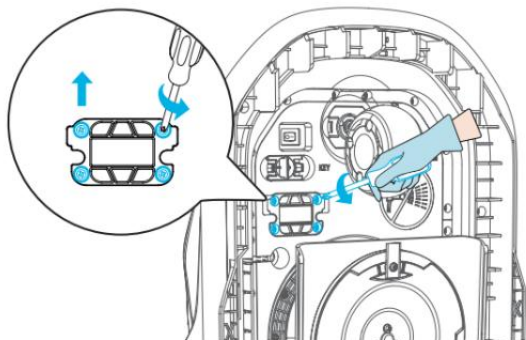
1. Gently place TerraMow upside down on a soft surface, then switch the main power at the bottom to the "O" position to turn it off.

WARNING: Remember to power off TerraMow before replacing the SIM card.



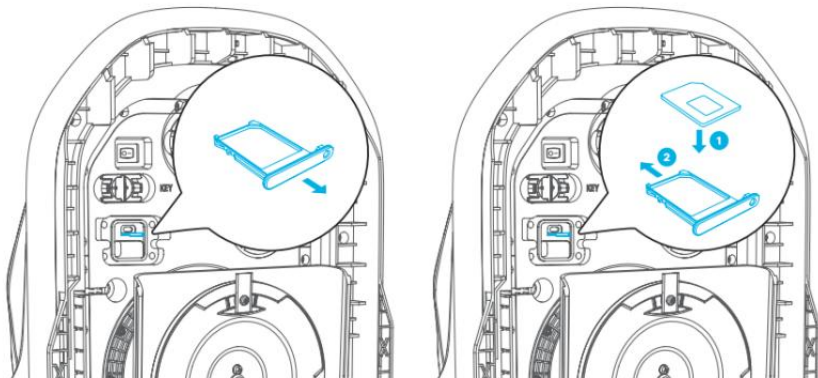
33

2. Use a PH2 cross-head screwdriver to loosen the compartment screws and carefully remove the SIM card compartment cover.

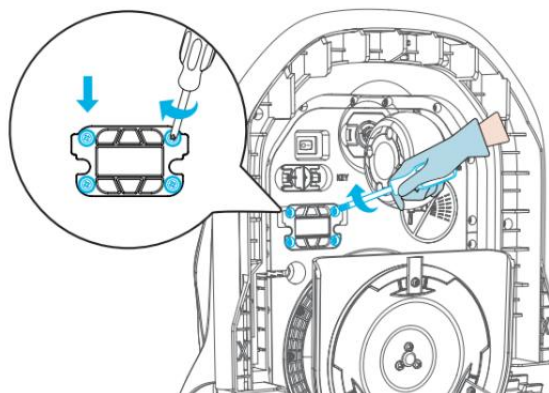


3. Remove the SIM card tray from the slot, and replace the existing SIM card with the new one.

NOTE: If the tray contains a default SIM card, we recommend retaining it for potential future use.



4. Reinsert the SIM card tray securely, then reinstall and tighten the compartment cover.



3.4 Start First Auto-Mowing Task

- Place your TerraMow in the base station. Make sure the light of the panel is green.
- To begin mowing, press  on the panel, followed by , or initiate mowing task in the app (please refer to "4.3 Mow" - "Start mowing").
- TerraMow will start mowing while simultaneously building the map of your lawn. After covering a closed lawn area, it will automatically return to the base station for recharging. You can guide TerraMow to build the map of the next lawn area using the "Add new zone" in the app.

3.5 Working Zone Settings

No-Go Zone

Prevent TerraMow from entering specific areas by setting up no-go zones. We recommend creating no-go zones for:

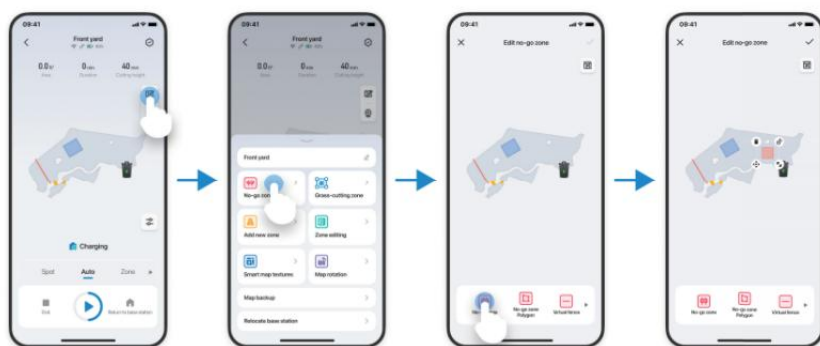
- Areas where TerraMow should not to enter.
- Locations that could pose a risk or cause damage to TerraMow.
- Areas that are difficult for TerraMow to traverse or spots where TerraMow frequently gets stuck.

Set up no-go zones for scenarios such as, but not limited to, the following:

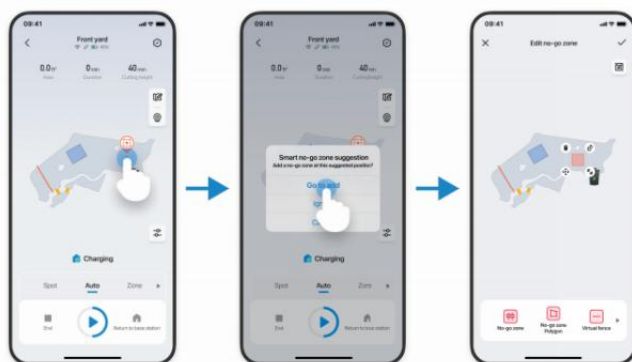
- Water edges, such as fishponds and swimming pools, especially with no clear boundary between the lawn and the water.
- Step or cliff that is more than 3cm high.
- Small obstacles, e.g. clotheslines, tent ropes, water pipes.
- Low flowerbeds, especially those close to or less than 20cm high.
- Plants of economic value, or your beloved crops.
- Transparent objects, e.g. mosquito nets, glass doors.

- Ropes, e.g. tent line.
- Irrigation equipments, e.g. water hoses, sprinkler.
- Electrical wires or devices.
- Pet houses.

To set no-go zone or virtual fences on app, please pause the TerraMow firstly, and then design the no-go zone or virtual fences on the map.



Additionally, when the TerraMow gets stuck, an icon will be displayed at the corresponding location. Following the app prompts, you can automatically set a relative no-go zone.



Grass-cutting Zone

Mark specific areas as mowable zones for TerraMow by setting grass-cutting zone. We recommend setting up grass-cutting zones in the following situations:

- Lawn areas recognized as non-operational due to seasonal changes.
- Areas near safe, low obstacles that can be mowed.

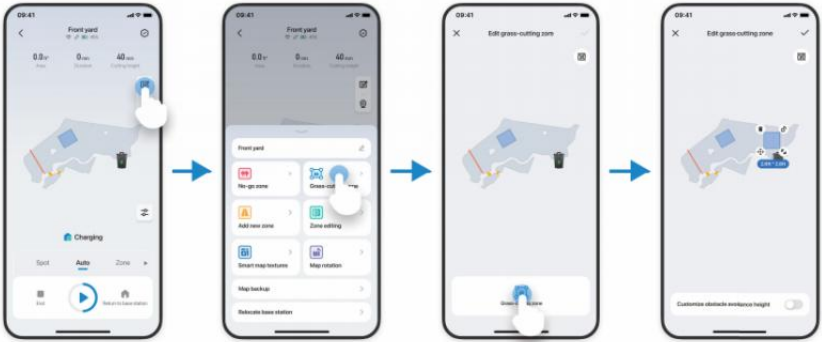
WARNING:

- Terramow will start blade disc and mow in grass-cutting zone, so ensure the while grass-cutting zone is mowable and safe.

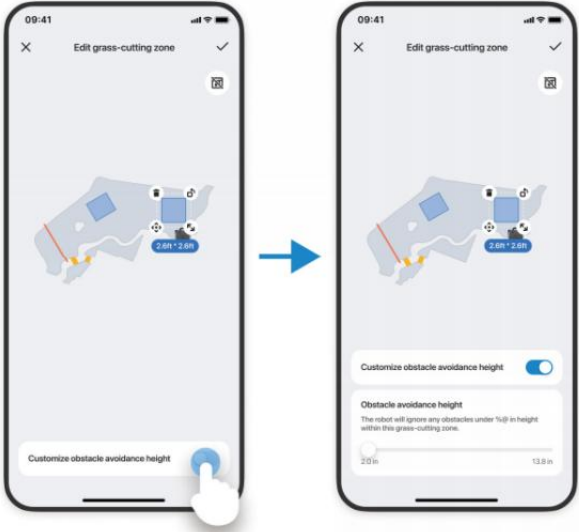
DO NOT Set up grass -cutting zones for scenarios such as, but not limited to the following:

- Water edges, such as fishponds and swimming pools, especially with no clear boundary between the lawn and the water.
- Step or cliff that is more than 3cm high.
- Small obstacles, e.g. clotheslines, tent ropes, water pipes.
- Low flowerbeds, especially those close to or less than 20cm high.
- Plants of economic value, or your beloved crops.
- Transparent objects, e.g. mosquito nets, glass doors.
- Ropes, e.g. tent line.
- Irrigation equipments, e.g. water hoses, sprinkler.
- Electrical wires or devices.
- Pet houses.

To set grass-cutting zone on app, please pause the TerraMow firstly, and then you can design the grass-cutting zones on the map.

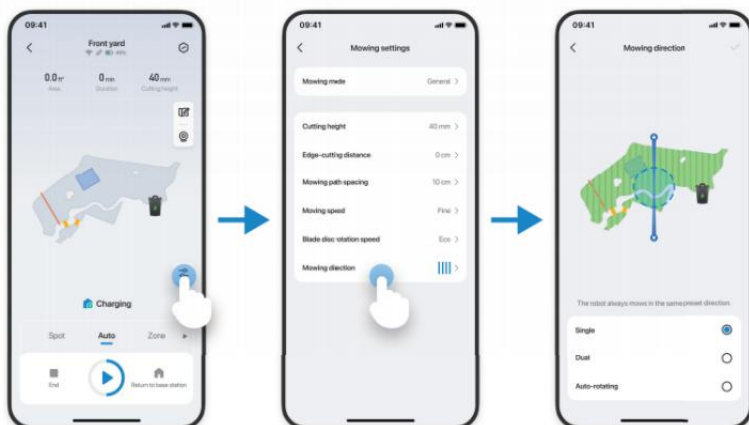


Additionally, by customizing the Obstacle Avoidance Height, TerraMow will ignore the obstacles which below the setting height within this grass-cutting zone.



3.6 Set the Mowing Direction

After mapping is completed, you can customize the mowing direction of TerraMow as needed. Set in the app: "Map page" - "Mowing direction".

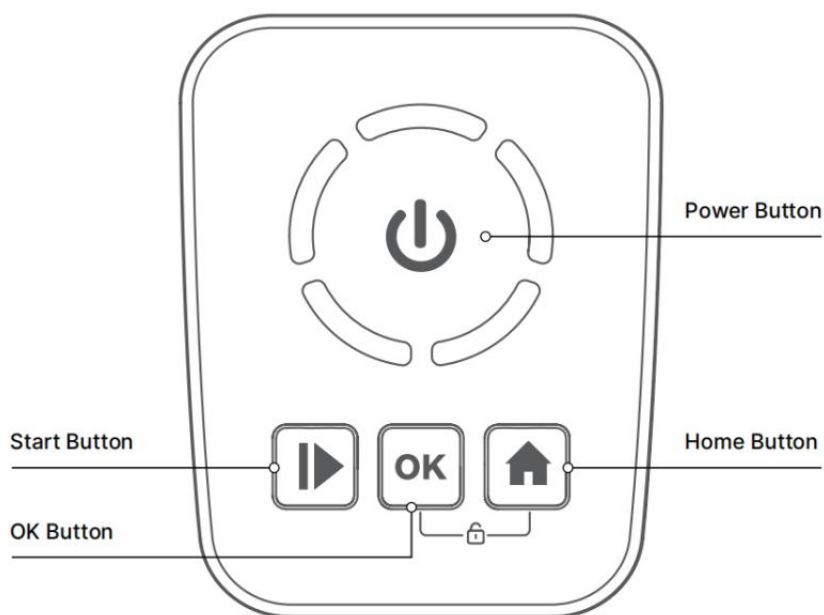


4. Daily Use

4.1 Panel Operations

Panel Buttons

Before using the TerraMow with the panel, it is important to familiarize yourself with its panel buttons.



Features	Operations
Power off	When TerraMow is powered on, press and hold  for 2 seconds. There will be a voice prompt before shut down, and the indicator lights on the panel will turn off. Please note that the robot cannot be turned off while it is docked on the base station.
Power on	When TerraMow is powered off, press and hold  for 3 seconds to turn it on.
Start mowing	Press  and then  to confirm.
Auto-recharge	Press  and then  to confirm.
Mowing in Spot Mode	Press and hold  for 2 seconds, TerraMow will provide a voice prompt. Then press  to start mowing in Spot Mode.
Pause	Press any button while your TerraMow is operating.
Stop	Press  on your TerraMow.
Activate/deactivate the child lock	Press and hold both  and  for 2 seconds.
Reset the Wi-Fi connection	Press and hold both  and  for 2 seconds.
Restore factory settings	Press and hold both  and  for 5 seconds.

Light Indicators

TerraMow is equipped with an LED light panel that contains five indicator lights. The diverse statuses of these lights inform you of the current status of TerraMow.



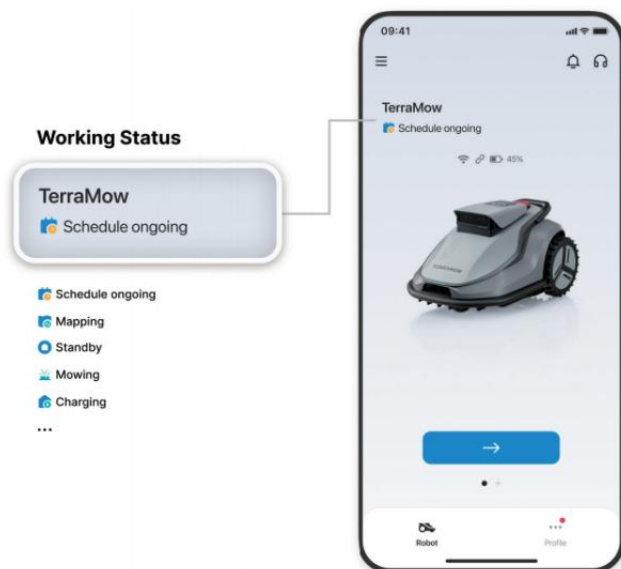
Light	State
Static white or yellow light	• Standby. • Paused. • Mowing. • Remote Control. • Mapping. • Processing data.
White or yellow pulsing light	• Returning to the base station. • Returning to the starting position.

White or yellow pulsing light	• Waiting for Wi-Fi connection.
Red light	• Error.
Red light flashes 3 times.	• An error occurs.
Green light	• Charging.
White light flashes fast for 1 second.	• Child lock activated/deactivated. • Saving map, please wait before successfully saved.
White light flashes slowly 3 times.	• Entering Spot Mode. Start mowing when pressing the OK button.

Battery Level	LED Bars Numbers
81%-100%	5
61%-80%	4
41%-60%	3
21%-40%	2
0%-20%	1

4.2 TerraMow App

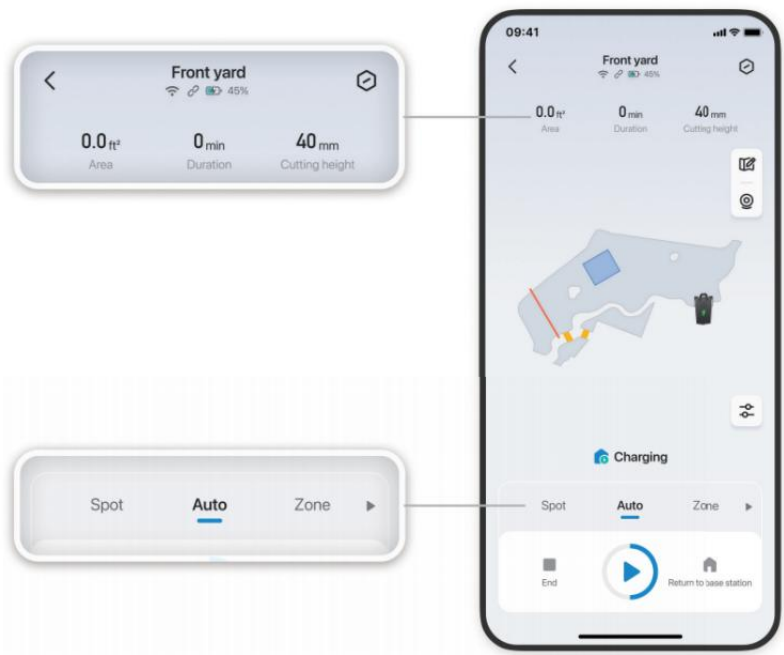
"Robot" Tab



Icon	Function	Description
☰	Manage your TerraMows	Add, manage, switch between your TerraMows
📶	Network Connectivity	Network connection type and strength
🔗	Bluetooth Connectivity	Bluetooth connection status
🔋	Battery indicator	Battery level, temperature
🔔	Notifications	View the recent notications from your robots
🎧	Feedback	Submit feedback when you encounter any issue

Map Detail Page

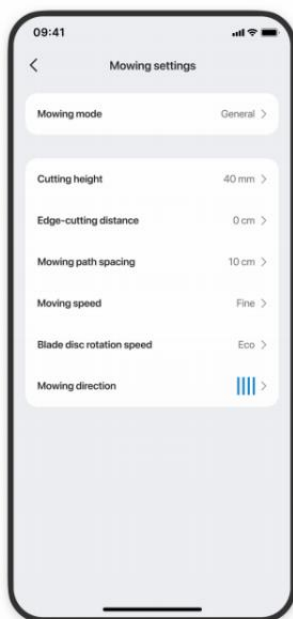
On the map details page, you can view TerraMow's current working map, check and adjust the no-go zones, grass-cutting zones, virtual fences, working status and duration, worked area, and cutting height. You can also check the detailed settings by clicking the icon  in the top right corner.



Mowing Param Settings

You can adjust the Cutting Height, Edge Cutting Distance, Mowing Path Space, Moving Speed, Blade Disc Rotation Speed, and Mowing Direction for mowing missions.

Especially in "Customized" tab, you can customize the desired parameters for each zone. Please note that some param adjustments may require restarting the operation.



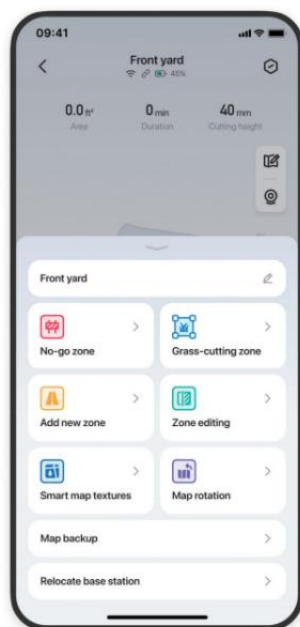
Live Camera

You can view the real-time footage of the mower in the live camera interface. Please note that when activating the live camera for the first time, you need to press the "OK" button on the mower and set an access password.

NOTE: TerraMow is committed to protecting your privacy. The camera footage is captured in real-time by the mower and transmitted to the app via encrypted channels. Rest assured, TerraMow does not store or forward any of your private information. For more details, please refer to the "More" - "About" - "Privacy Policy" section in the app.

Map Editing Tab

You can edit map-related settings on this map editing tab.



No-go zone

You can add, edit, remove the no-go zones conveniently here. About how to use no-go zone, please refer to "3.5 Working Zone Settings" - "No-go Zone".

Grass-cutting zone

You can add, edit, remove the grass-cutting zones conveniently here. About how to use grass cutting zone, please refer to "3.5 Working Zone Settings" - "Grass Cutting Zone".

Add new zone

You can add multi-zone pathways to enable the robot to move between separate zones and work across all areas.

Zone editing

After completing the map, you can name, divide your lawn in zone editing page. The divided areas can then have customized mowing parameters set individually. You can also use the merge feature to manage subdivided zones within the same lawn.

Smart map textures

The "Smart Map Textures" feature offers a revolutionary capability. Once enabled, TerraMow will automatically create a real-time overview map of your lawn during mowing. You can view this overview to provide more precise guidance when setting up areas. We recommend turning on this feature before the first mapping. After the first mapping progress done, you can show the smart texture map by click  on map detail page.

Map rotation

Adjust map orientation in 90° increments (left/right) at your preference with "Map Rotation".

Map backup

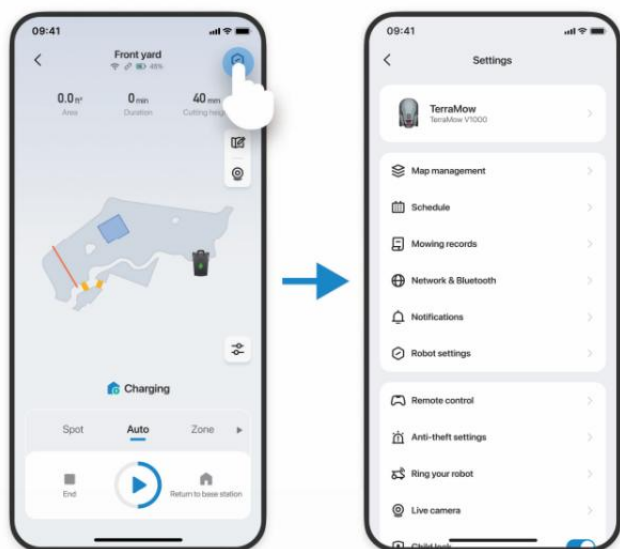
It's recommend backing up your map after successfullt creating your lawn map, setting up no-go zones, and grass-cutting zones info.

And since lawn conditions may change with the seasons, we recommend backing up the maps at least once a month to achieve the best results.

Relocate base station

When you move the base station or reset its position during the mowing season, we recommend clicking the "Relocate Base Station" button in the app after setting the new position. In this mode, TerraMow will automatically execute the relocation logic and update the base station position once it returns to the charging dock.

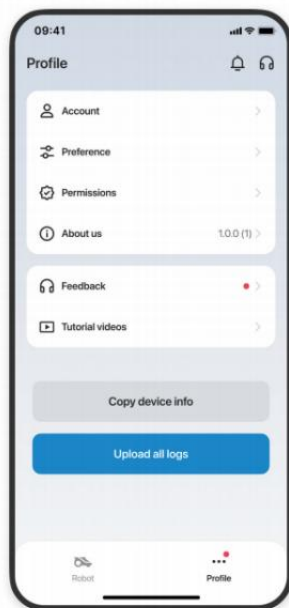
Settings Page



Icon	Function	Description
	Device info	Check device info, like serial number, etc.
	Map management	Name, back up, or delete map
	Schedule	Check, add and edit mowing schedules
	Mowing records	Check mowing records
	Network & Bluetooth	Check the settings on Network and Bluetooth
	Notifications	Check the setting on notification push
	Robot settings	Robot settings
	Remote control	Control robot manually

	Anti-theft settings	Find your device, and check the Anti-theft settings
	Ring your TerraMow	Locate your TerraMow by beeping
	Live camera	Activate live video function, reset the password
	Child lock	Enable child lock to prevent accidental starts
	Firmware Update	Check and update the robot to the latest firmware
	Feedback	Submit a feedback
	User Manual	Check out the user manual
	Share your TerraMow	Share the robot with your friends or family members
	Maintenance	Check the usage time and lifespan of robot's parts
	Analysis & improvement	Activate "Share logs", and upload logs

"Profile" Tab



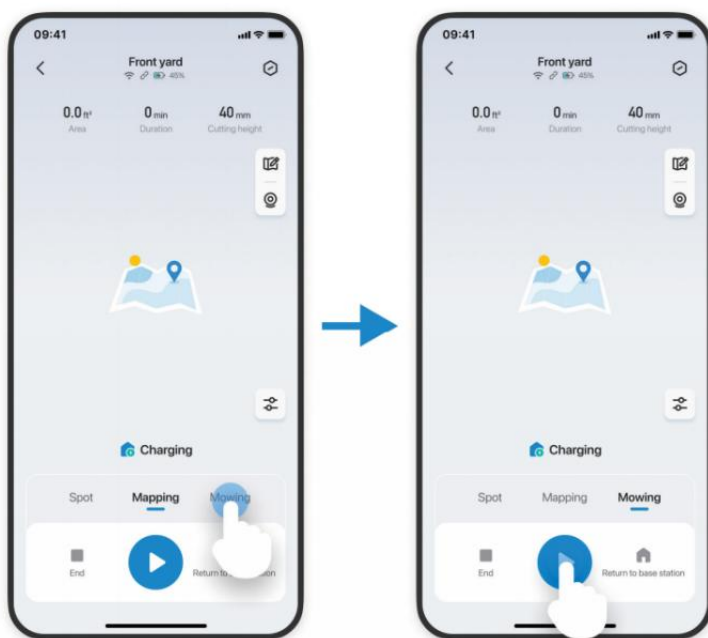
Icon	Function	Description
	Account	Manage your app account
	Preference	Set the unit, format, and app language.
	Permissions	Manage required permissions for the app
	About us	Check app version, privacy policy, and terms
	Feedback	Submit feedback
	Tutorial videos	Check out the tutorial videos

4.3 Mowing Task

Start Mowing

Place your TerraMow in the base station for charging, as shown by a green light on the panel. Then you can start mowing tasks with the following 3 methods:

- Start mowing through the app.



- Press  then press  on the pannel to start mowing.



- Set up a mowing schedule in the app. TerraMow will automatically start mowing according to the schedule.

