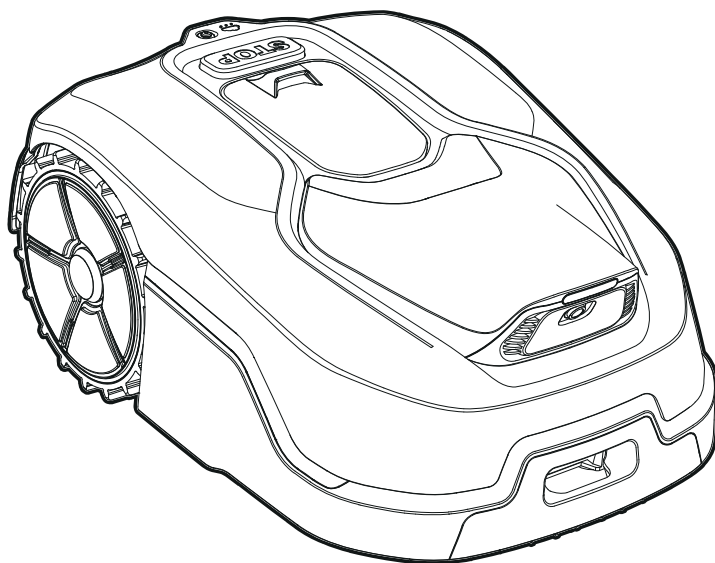




SRM2060



OPERATOR'S MANUAL



Robotic Lawn Mower	EN 03
Rasenmäheroboter	DE 34
Tondeuse à gazon robotisée	FR 69
Robot Tosaerba	IT 103
Robotmaaier	NL 136

The illustrations in this manual are for reference only. Please refer to the actual product.

EN Original instructions
DE Originalbetriebsanleitung
FR Notice originale
IT Istruzioni originali
NL Oorspronkelijke gebruiksaanwijzing





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IMPORTANT SAFETY INSTRUCTIONS. KEEP FOR FUTURE REFERENCE.

⚠ Attention: read all safety warnings and all instructions for the safe operation of the machine. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

- The mower is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with Mower.

⚠ WARNING: For the purposes of recharging the battery, only use the detachable supply unit provided with this appliance.

Safety guidance before use

- Read the instructions carefully. Make sure you understand the instructions and be familiar with the controls and the proper use of Mower.
- Never allow people unfamiliar with these instructions or children to use Mower.
- The operator or user is responsible for accidents or hazards occurring to other people or their property.

Preparation before use

- Periodically inspect the area where Mower is to be used and remove all stones, sticks, wires, bones, and other foreign objects.
- Periodically visually inspect to see that the blades, blade bolts and cutter assembly are not worn or damaged. Replace worn or damaged blades and bolts in sets.
- Turn off Mower, wear protective gloves and take care when inspecting blades, as rotating one blade can cause other blades to rotate.



WARNING! The lawnmower should not be operated without the guard in place.

Safe Operation

- Never operate the appliance with defective guards or without the guard in place
- Do not put hands or feet near rotating parts
- Never pick up or carry Mower while it is running.
- Turn off the machine before clearing a blockage and before checking, cleaning or working on Mower.
- It is not permitted to modify the original design of Mower. All modifications are made at your own risk.
- Start Mower according to the instructions. When the power is switched on, make sure you keep your hands and feet away from the rotating blades.
- Never lift up Mower or carry it when the power is switched on.
- Do not put anything on top of Mower or its docking Charger Station.
- Do not allow Mower to be used with a defective blade disc or body. Neither should it be used with defective blades, screws, nuts or cables.
- Switch off Mower when you do not intend to use it for a long period of time.
- Mower can only start when the power is switched on and the correct PIN code has been entered.
- Avoid using Mower in bad weather conditions especially when there is a risk of lightning.
- Do not touch moving hazardous parts before these have come to a complete stop.
- Do not leave Mower to operate unattended if you know that there are pets, children or people in the vicinity.
- An advice to not overreach and to keep the balance at all times, to always be sure of the footing on slopes and to walk, never run while operating the machine or its peripherals.
- Instructions to always wear substantial footwear and long trousers while operating the machine.
- Remove the plug from the mains or operate the disabling device:
 - before clearing any blockages;
 - before checking, cleaning or maintaining the machine.
 - after striking a foreign object to inspect the machine for damage;
 - if the machine starts to vibrate abnormally, and to check for damage before restarting;

- An advice not to connect a damaged cord to the supply or touch a damaged cord before it is disconnected from the supply for the reason that damaged cords can lead to contact with live parts
- If the cord on the power supply or the extension cable becomes damaged or entangled during use, disconnect the power supply from the power socket and then untangle. To avoid a hazard, pull the body of the plug rather than the cord when separating the power supply from the power socket. Contact after-sales service and have a professional technician to repair or replace the cord.
- Information for machines used in public areas, that warning signs shall be placed around the working area of the machine. They shall show the substance of the following text:

WARNING!

Automatic lawnmower! Keep away from the machine! Supervise children!"

MAINTENANCE AND STORAGE



Attention: When the mower is turned upside down the power must always be switched off. The power should be switched off during all work on the mower's under frame, such as cleaning or replacing the blades.

- Do not wash Mower with a pressure washer—due to the high pressure, water can go inside Mower and damage the electronic circuits.
- To avoid injuries, wear protective gloves when replacing the blades.
- Keep all nuts, bolts and screws tight to be sure Mower is in safe working conditions.
- Inspect Mower each week and replace worn or damaged parts for safety.
- Ensure that only replacement blades of the right type are used.
- Ensure that batteries are charged with Mower's docking Charger Station. Incorrect use may result in electric shock or overheating of the battery.
- Servicing of Mower should be according to manufacturers' instructions.

Recommendation

Please only connect Mower and/or its peripherals to a supply circuit protected by a residual current device (RCD) with a tripping current of not more than 30 mA.

Safe transport

- The original packaging should be used when transporting Mower over long distances
- To safely move Mower within the working area:
 - press the STOP button to stop the mower
 - carry the mower by the handle at the rear under the mower.
 - carry the mower with the blade disc away from the body.

Safety Warnings for battery pack inside the tool

- 1. Do not dismantle, open or shred battery pack.**
- 2. Do not short-circuit a battery pack. Do not store battery packs haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials.** When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- 3. Do not expose battery pack to heat or fire. Avoid storage in direct sunlight.**
- 4. Do not subject battery pack to mechanical shock.**
- 5. In the event of battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.**
- 6. Seek medical advice immediately if a cell or battery pack has been swallowed.**
7. Keep battery pack clean and dry.
- 8. Battery pack gives its best performance when it is operated at normal room temperature (20 °C ± 5 °C).**
- 9. When disposing of battery packs, keep battery packs of different electrochemical systems separate from each other.**
- 10. Recharge only with the charger specified by SUNTEK. Do not use any charger other than that specifically provided for use with the equipment.** A charger that is suitable for one type of battery pack may create a risk of

re when used with another battery pack.

- 11. Do not use any battery pack which is not designed for use with the equipment.**
- 12. Keep battery pack out of the reach of children.**
- 13. Retain the original product literature for future reference.**
- 14. Dispose of properly.**
- 15. Do not mix cells of different manufacture, capacity, size or type within a device.**
- 16. This appliance contains batteries that are only replaceable by skilled persons.**



WARNING! Mower can be dangerous if incorrectly used. Read through the Operator's Manual carefully and understand the content before using your mower.



WARNING! Keep a safe distance from the machine when operating.

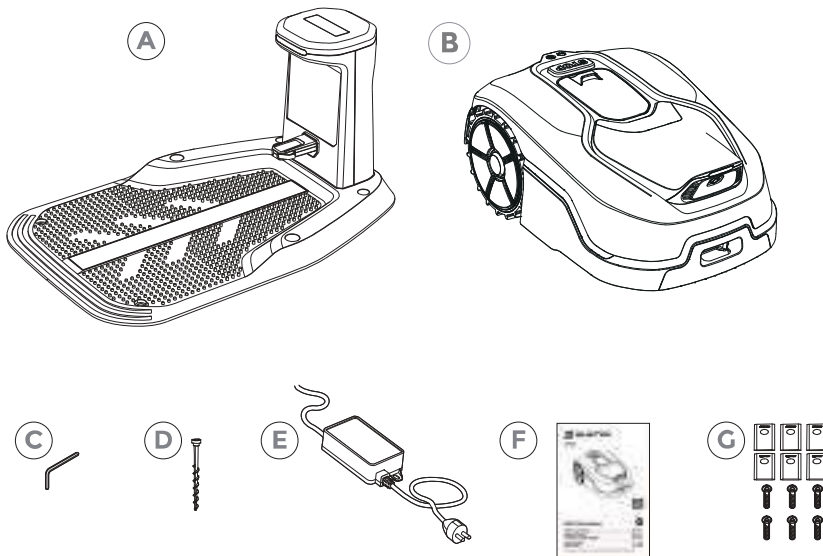


WARNING! Turn the machine off  before working on or lifting the machine.



WARNING! Do not ride on the machine.

WHAT IS IN THE BOX



A 1 Charger Station with 8m Cable

B 1 Mower

C 1 Allen Key H5

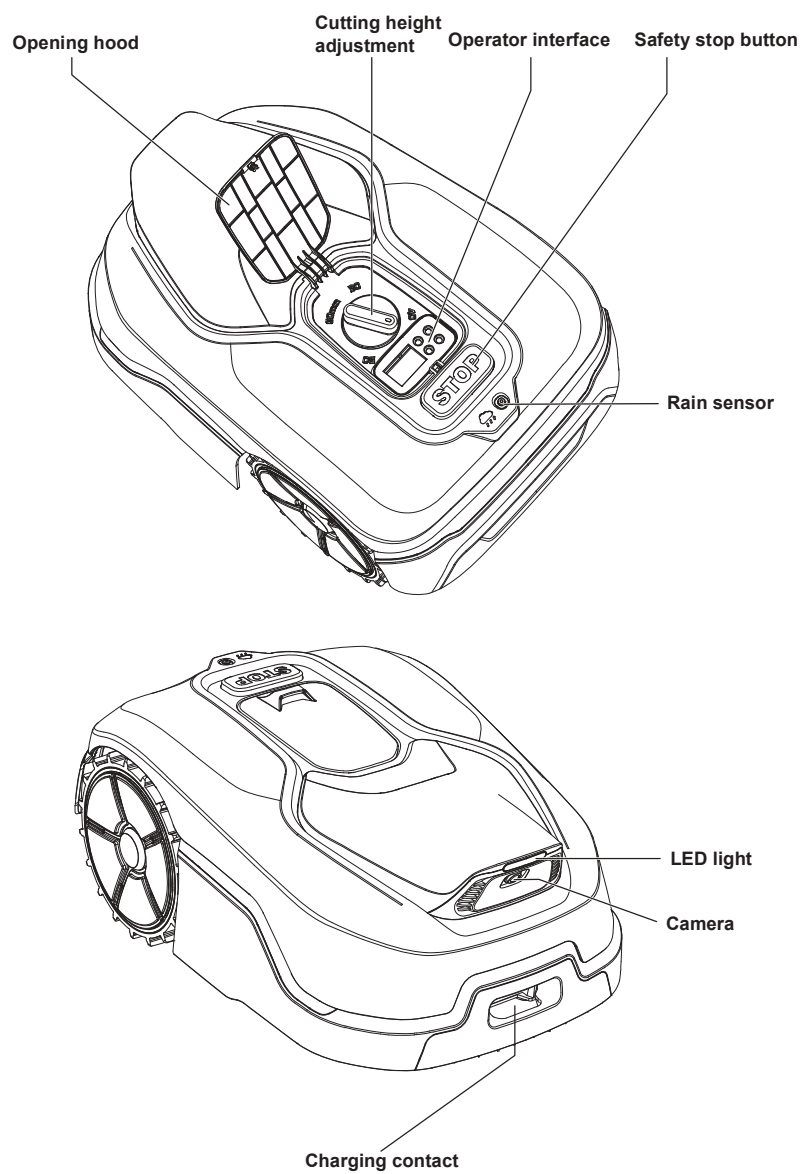
D 6 Charger Station Fixing Screws

E 1 Charger Adapter

F 1 Operator's Manual

G 6pcs Additional Blades & Screws

KNOW YOUR MOWER



SYMBOL EXPLANATION

This page depicts and describes safety symbols that may appear on this product. Read, understand, and follow all instructions on the machine before attempting to assemble and operate.

	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.
	Li-Ion battery. This product has been marked with a symbol relating to 'separate collection' for all battery packs and battery pack. It will then be recycled or dismantled in order to reduce the impact on the environment. Battery packs can be hazardous for the environment and for human health since they contain hazardous substances.
	Do not burn
	Batteries may enter water cycle if disposed improperly, which can be hazardous for ecosystem. Do not dispose of waste batteries as unsorted municipal waste.
	Prohibit disassembling the machine without authorization
	Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice.
	This attachment is in accordance with applicable EC directives

	Noise emission to the environment label as per EU and UK directives and regulations, and New South Wales legislation "Protection of the Environment Operations (Noise Control) Regulation 2017".
	Class III appliance
	Read operator's manual

TECHNICAL DATA

Type **SRM2060** (RM - designation of machinery, representative of Robotic Lawn Mower)

Model	SRM2060
Rated voltage	18V 
No load speed	2500 /min
Cutting area	600m²
Cutting diameter	20 cm
Cutting height	30-60mm
Cutting height positions	19
Battery type	Lithium-ion
Battery model	N173-5S2P
Charging time approx.	90mins (20% ~100%)
Charger model	TBD
Charger rating	Input: 100-240V~50/60Hz 83W Output: 27V 2.6A
Machine weight	8.9 kg
Protection degree	Class III
App	Y
Battery capacity	18V 5.0Ah
Max. slope	35%
IOT Connection	Wi-Fi+Bluetooth
Protection index	IPX5
Frequency band of embedded WLAN module	2.412GHz-2.484GHz/5GHz

Robotic Lawn Mower

SRM2060

Max. radio-frequency power of embedded WLAN module	TBD
--	-----

ACCESSORIES

Model	SRM2060
Docking Charger Station	1 (TBD)
Docking Charger Station Fixing nails	6
Charger Adapter	1 (TBD)
Additional Blades & Screws	6
Allen Key H5	1

Please visit SUNTEK website www.suntekliving.com for additional information on accessories.

NOISE DATA

A- weighted sound pressure	$L_{pA} = 51 \text{ dB(A)}$	11
	$K_{pA} = 3.0 \text{ dB(A)}$	
A- weighted sound power	$L_{wA} = 59 \text{ dB(A)}$	11
	$K_{wA} = 3.0 \text{ dB(A)}$	
Wear ear protection when sound pressure is over	80 dB (A) 	

A degree of noise from the machine is not avoidable. Route noisy work is to be licensed and limits for certain periods. Keep rest periods and they may need to restrict the working hours to a minimum. For their personal protection and protection of people working nearby, an appropriate hearing protection shall be worn.

INTENDED USE

The garden product is intended for domestic lawn mowing. It is designed to mow often, maintaining a healthier and better-looking lawn than ever before. Depending on the size of your lawn, your mower may be programmed to operate at any time or frequency. It is impossible for digging, sweeping or snow cleaning.

MAIN FUNCTIONS

In the following section, we would like to help you better understand how your mower works. The mower features a camera sensor and artificial intelligence (AI) that allow it to work autonomously. It can identify lawn and non-lawn areas, knows when to return to its charging base, detects rain, stops when it senses a problem, and navigates around obstacles. For safety, the mower automatically stops the blade disc from rotating if it is lifted or if any other safety issues occur.

BORDER MANAGEMENT

No need for boundary wire or antenna installation, maintenance, or signal concerns. Utilizing deep learning technology, the mower recognizes boundaries and automatically mows grass area and avoid non-grass area. To ensure safe navigation around your lawn, please pay special attention to certain scenarios. Refer to the “Patrol and Planning” section for details.

OBSTACLE AVOIDANCE

The mower detects objects ahead in real-time using AI camera technology and a growing database of images. It will avoid non-grass objects such as tree stumps, water pipes, and balls.

EASY CLEANNING

The mower is IPX 5 waterproofed and can be rinsed with a standard garden hose.

CHARGES ITSELF

When your mower needs to recharge, it will stop mowing and follow the border in anti-clockwise direction back to its charging base. Once charging is complete, the mower will automatically resume mowing or stay in the charging station according to its mowing schedule.

RAIN SENSOR

Your mower is 100% weather proof and happy to be outside. But mowing wet grass does not give you the best finish or result. Mower is equipped with a rain sensor which detects rain and tells Mower to stop mowing and go back to its charging station. After a rainfall, Mower re-starts when the grass is no longer wet. The default Rain Delay time is 180 minutes. You can change the Rain Delay time setting via the App.

NO MORE GRASS CLIPPINGS TO COLLECT

Mower’s daily mowing produces very short clippings that don’t need to be raked. These clippings are a perfect organic nutrient for your lawn. Frequent mowing boosts the density of grass blades and effectively prevents the propagation of weeds.

CUTTING HEIGHT

Your mower’s cutting height can be adjusted between 30mm-60mm. Before starting your mower for the first time, make sure your grass is no longer than 10cm. If longer, use a regular

mower to cut it before operating Mower. If you want to drastically shorten the height of your grass, it is recommended that you do so progressively, by adjusting the cutting height in steps.

SECURITY & PIN PROTECTION

To prevent unauthorised people from being able to use it, the mower is protected by a PIN code that you can easily set up. If the mower is connected to your Wi-Fi network, you can lock it on your smartphone through the app.

TIPS FOR MOWING EFFICIENCY

Mowing times are different for every lawn depending on the factors mentioned below. Gradually adjust the time you allow the mower to mow each day until you find the most suitable setting.

Your robotic mower is capable of mowing areas of different sizes, although this depends on various factors, such as:

- Species of grass in your lawn and its growth rate.
- Sharpness of the cutting blades.
- Humidity.
- Surrounding temperature.
- Amount of obstacles in your Lawn.

Mower’s cutting height can be adjusted between 3cm-6cm. Before starting your mower for the first time, you should cut the grass to the height no more than 10 cm with your manual lawnmower. Then, set the cutting height of your mower to its maximum setting (5cm/6cm) for its first-time mowing.

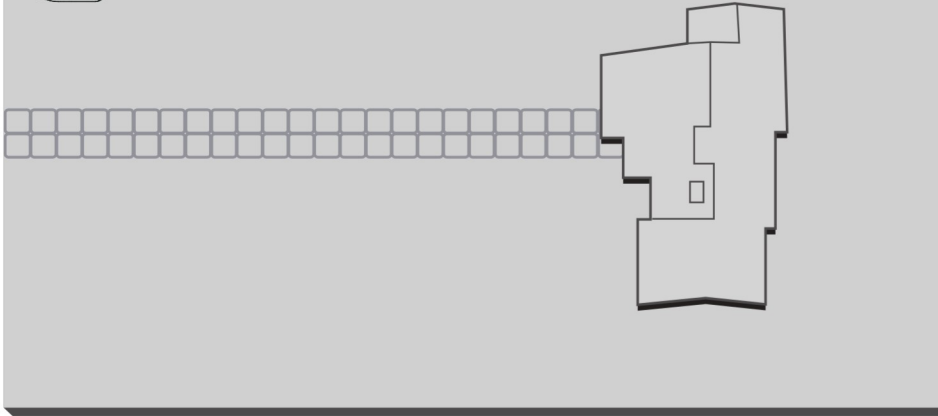
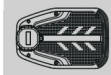
Your mower will cut best in dry weather. Wet grass can build up on the blade turning disc and within the motor, and can also cause loose traction and slippage while working. Your mower is afraid of lightning storms. In case of a lightning storm, protect the mower by unplugging the charging station, and making sure the mower is not allowed to charge.

Your mower loves mowing grass and requires the cutting blades to be kept in good condition to cut at its best. Your mower can do most things by itself, but will sometimes need your help to prevent damage to itself.

- Never let Mower travel over gravel.
- Remove or prevent access to obstacles that Mower could accidentally climb on and damage its blade turning disc.
- Remove all debris and foreign objects from your lawn.

PATROL AND PLANNING

Preparing your mower to work is easier if you carefully follow these instructions.



Patrol your lawn
to plan installation

Install the
charging base

Connect charging
base to AC

Fully charge
the mower and
power on

Check the mowing
area and get ready
to mow

13

1. PATROL YOUR LAWN TO PLAN INSTALLATION

1.1 Plan for the charging base (See Fig. 1- Fig. 3)

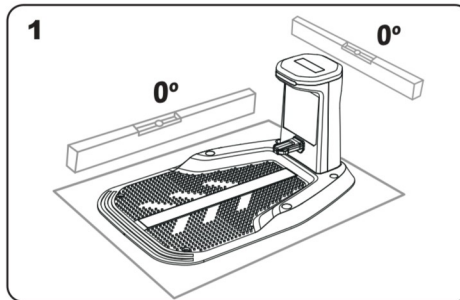
The charging base is for battery charging of your mower. It's also the parking lot where it rests in between one mowing session and the next.

Locate a proper position for it, bearing in mind:

- A. The station needs to sit on flat land to ensure effective docking.
- B. It needs 2m straight driving path in front for the mower following the edge and entering the charging base.
- C. There isn't a large area of bare ground or sparse grass within the 2m driving path to enter the charging base.
- D. The QR code on the charging tower is clear.
- E. It needs to be powered and be no more than 8m away from an AC mains outlet.
- F. If possible, choose a shaded position as

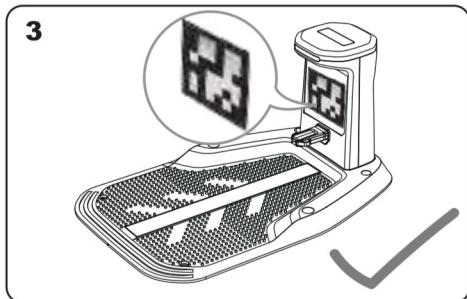
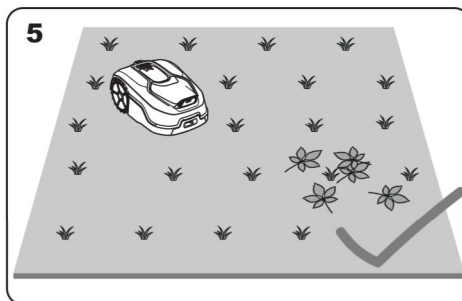
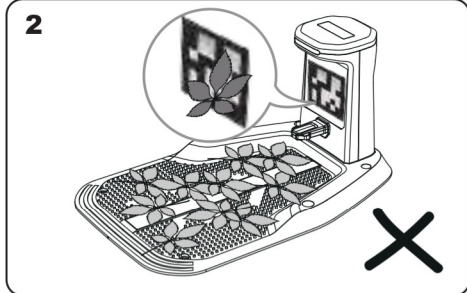
batteries and chargers don't like over-heating.

- G. Avoid places close to irrigation sprinklers.
- H. Make sure The mower enter right towards to the charging base and depart in counter-clockwise direction.



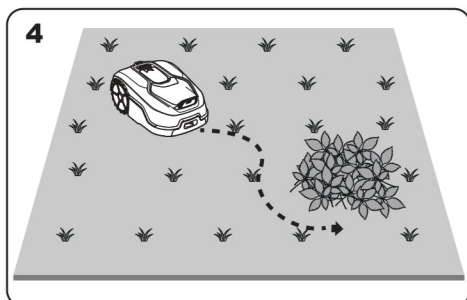
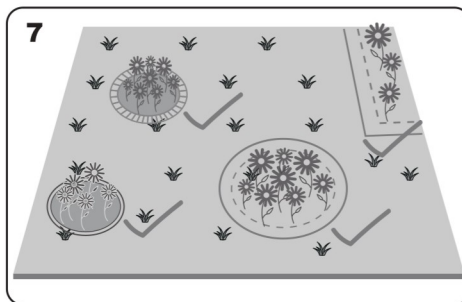
Robotic Lawn Mower

SRM2060



C. Protected area (See Fig. 6-7)

If there are flowerbeds, vegetation or other valuable plants in your garden or on the boundary that are directly connected and covered by grass, the mower may cut these when mowing. It is recommended to surround these areas with partitions or fences, or set up a path without grass that is wider than 5cm.



D. Tall grass

If there is tall grass along the boundary, and the height of the grass is greater than 15cm. If there are water puddles or holes underneath the tall grass, it is recommended to cut the grass to below 15cm.

1.2 Patrol your lawn

A. Cutting height

It is recommended that the cutting height is lower than 12 cm at the first mow do the cut.

B. Piles of things (See Fig. 4-5)

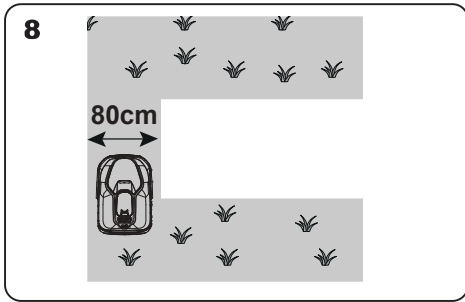
We suggest you to clean up the things such as leaves and wildflowers on the lawn, otherwise the mower will see them as obstacles and avoid cutting this area.

E. Adjacent grass

If your lawn is connected to your neighbor's lawn, we recommend that you create a 5cm wide path without grass as a boundary.

F. Narrow passage (See Fig. 8)

Make sure the narrow passage for your mower to pass is wider than 80cm.



NOW ROLL YOUR SLEEVES UP.

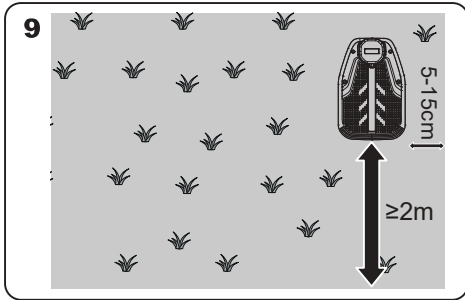
Now that you have planned the installation in every detail, you are ready to take action. Before starting, you may want to use your old mower for the last time to clean up your lawn and make the installation easier.

2. INSTALL THE CHARGING BASE

Position the charging base

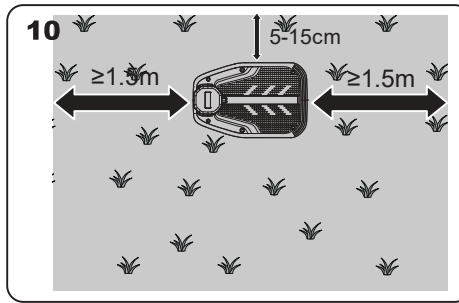
Option A: Position the charging base at the corner of your lawn (See Fig. 9)

To enter the charging base, the mower needs at least 2m straight path in front and 5-15cm away from the boundary of the lawn.



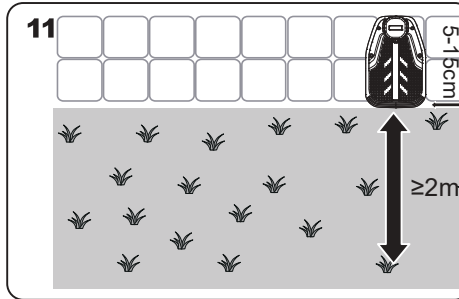
Option B: Position the charging base on one side of your lawn (See Fig. 10)

To enter the charging base, the mower needs at least 2m straight path in front and 5-15 cm away from the boundary of the lawn. It needs at least 1.5 m behind the charging base to make sure the grass can be cut.



Option C: Position the charging base in the corner outside the lawn (See Fig. 11)

Locate charging base on the extension line and 5-15cm away from the long edge. To enter the charging base, the charging base should be placed near the edge of the lawn.



Charging base checklist:

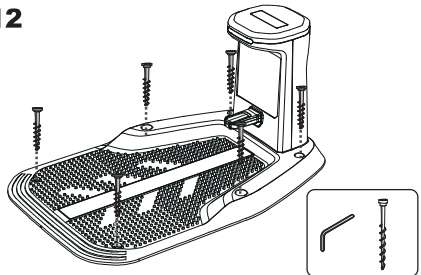
- A. within reach of AC mains
- B. in shade (if possible)
- C. no obstacles, and no area of sparse grass within the 2m straight path to the charging base
- D. flat or level location
- E. no irrigation sprinklers nearby

Fix the charging base in the selected location (See Fig. 12)

- Compose the charging base plate, tighten and tighten the conjunction.
- Insert charging tower into charging base plate. Then fix the charging base to the ground by means of the supplied screws, using the supplied hex key.
- If you position the base on hard surface, fix it with plug and screw fixings.

NOTE: It is recommended to assemble the charging base on a flat and hard surface.

12

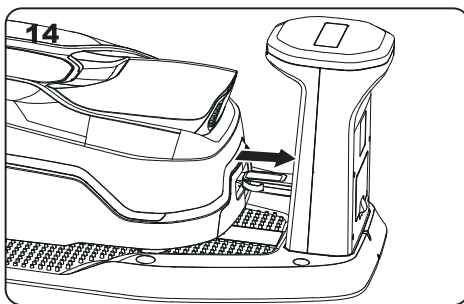
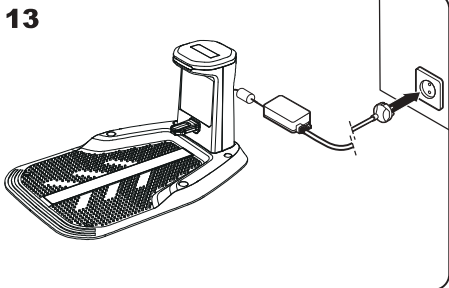


3. CONNECT CHARGING BASE TO AC

There are only a few more steps to go:

- Connect the charging base to the AC mains socket. (See Fig. 13)
- If everything is fine, the LED will light blue.
- Place the mower on charge by making sure a deep contact is established with the base. (See Fig. 14) Once the battery is fully charged, the LED will turn solid blue.

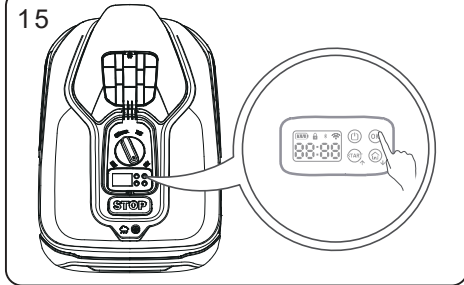
13



4. Fully charge the mower then power on (See Fig. 15)

Let the battery get charged for a while. Whilst it is charging you may want to take a well-deserved break: get familiar with the instructions, and connect the mower to your Wi-Fi network.

15



5. Check the mowing area and get ready to mow

It's recommended to let your mower move around along the border to identify the mowing area before mowing.

PREPARATION

Follow the Quick Installation Guide delivered with the product.

Remove stones, loose pieces of wood, wire, live mains cables and other foreign objects from the cutting area. Make sure that the cutting area is even and has no ditches, grooves and steep slopes above 15°/27 % that are clear obstructions for the mower.

It is recommended that you mow your lawn once with a conventional lawnmower before installing and before the first mowing of the new season and whenever the grass clippings would be longer than 10 cm.

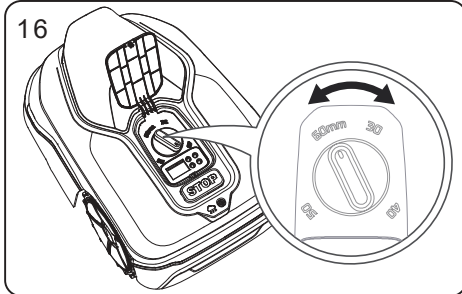
The mower's cutting system is designed to cut small lengths of grass. The clippings can remain as mulch to fertilize the lawn.

CUTTING HEIGHT ADJUSTING(SEE FIG. 16)

It is recommended to adjust the cutting height of the grass before working.

Your mower's cutting height can be adjusted between 30mm-60mm. Before starting your mower for the 1st time, make sure your grass is no longer than 10cm.

NOTE: The mower is designed to cut small pieces of grass that drop down and fertilize the soil.

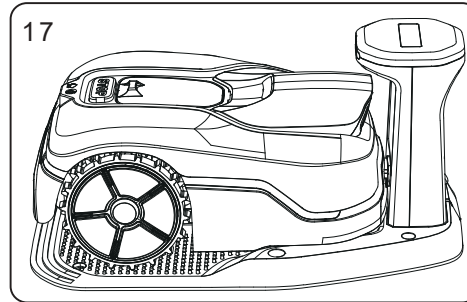


CHARGING(SEE FIG. 17)

After installation completion, place your mower on the charging station by making sure a good contact is established with the base. Once the battery is fully charged, the LED will turn solid blue.

NOTE:

- Place the base station in a location that is as open as possible with a good Wi-Fi signal. Make sure that no objects might block the signaling area.
- During charging, the mower will automatically update to the latest version, or you can choose to upgrade it in the app.
- The white guide line on the charging dock helps the lawn mower align accurately when returning to charge. Please do not damage or alter this guide line.

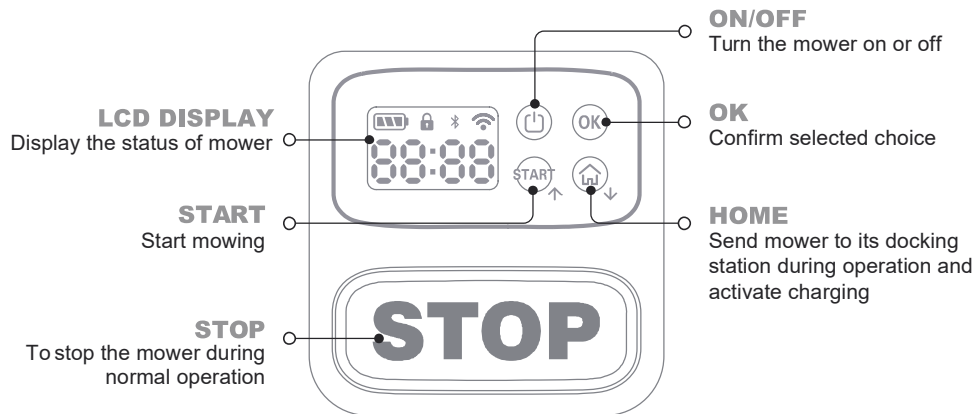


OPERATION

KNOW THE CONTROL PANEL

Mower's control panel provides the key functions in a minimalistic design.

For advanced functions, the free Mower app provides further options in a richer interface.



START THE MOWER

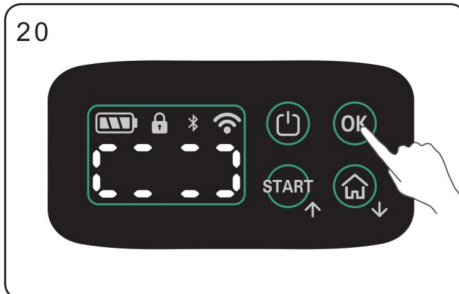
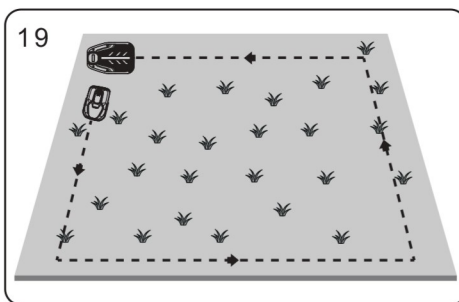
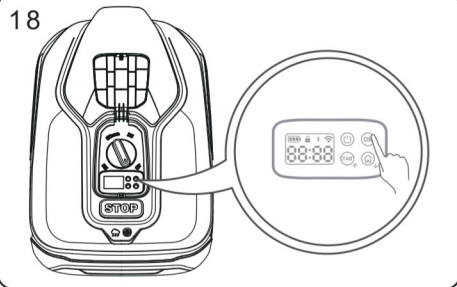
NOTE: Before use, please remove the sticker from the vision camera first.

1. Start the mower first time (See Fig. 18):

- Press On/Off button until the screen lights up.
- Press OK button for four times, when the screen shows 00:00, it's ready for work.

NOTE: The mower will turn on automatically after putting the mower to the charging station and connecting with the charging pins while power on.

- To send the mower to the charging station, press the Home key, then press OK, the mower will drive back.
- You can stop the mower at any time by pressing the STOP button.
- Press the START button, then press OK. The mower will start mowing.



AVOID MOWING AT NIGHT.

To reduce the chances of encountering wild animals and pets during operation, avoid using the machine during dusk or dawn hours. Use the SUNTEK APP -Suntek Living to avoid this.

2. Identify the working zone (See Fig. 19 - 20)

During the initial startup, the mower needs to confirm the working area. If you have a single lawn, please follow the steps below:

- Position the mower in the charging base within the designated working area and ensure it is charged.
- Start the mower, and it will exit the charging base to search for the lawn edge.
- The mower will move along the boundary and then return to the charging dock area, where it will come to a stop. And, the screen will flash as shown below (refer to Figure 20), awaiting your confirmation of the working zone.
- Please press the OK button to confirm the map, and the robot will then start working automatically.

NOTE: If the mower is lifted, moved, or tilted for more than 10 seconds, please redefine the working area. For instructions on how to identify the working zone, please refer to the previous sections.

CUTTING IN SEPARATED LAWN AREAS.

- Switch off your mower.
- Carry your mower to the charging station of the lawn area you want to mow.
- Switch on your mower and place it in the charging station.

Your mower will automatically recognize the lawn area and will load the correct map. Now your mower is ready to mow.

If you have set up the calendar, your mower will follow the calendar setting regardless of the lawn area it is in.

BATTERY CHARGING

Your mower features intelligent battery management which optimises the use to maximise its life time.

While mowing, your mower will automatically return to the charging station when it needs to recharge. After finishing a mowing session or while sitting in the charging station, your mower may not directly do this. Your mower will sit in the charging station without recharging if the battery charge is above the threshold. If the battery

charge falls below the threshold, charging will resume. This will maintain the health of your mower battery.

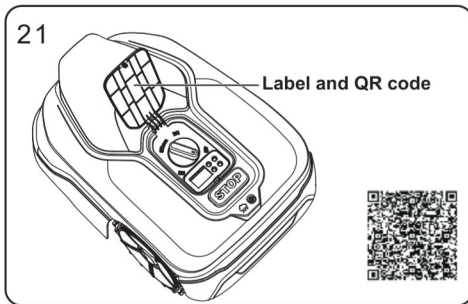
APP

NOTE: Mower is an IoT (Internet of Things) device. To get full functionality out of your mower and keep it always updated to the latest software, it must be connected to the internet via your Wi-Fi network.

PREPARATION FOR CONNECTION

1. Download the app (See Fig. 21)

Search SUNTEK APP "Suntek Living" in Google Market or Apple Store or scan the QR code on the mower (as the figure shown) to download the app.



2. Ensure you have correct WiFi network password

3. Check your Wi-Fi settings and:

- Make sure the mower works with 2.4GHz or 5GHz Wi-Fi signal.
- Make sure your mower is in the same router environment as your smartphone.
- Make sure the distance between your mower, smartphone and your router is as close as possible during connection.

NOTE: Only when the mower moves to a place with good Wi-Fi signal, can the message sent by the app be executed well.

CONNECT MOWER TO THE INTERNET

1. Launch SUNTEK APP "Suntek Living" on your mobile phone.
2. Register your account and log in with your mobile number or email account.

3. Select your Wi-Fi network correctly.

CONNECT MOWER TO THE APP

1. Turn on the Bluetooth of your mobile phone and make sure your phone is connected to the WIFI.
2. Make sure the Bluetooth indicator starts flashing. Normally, the Bluetooth will be automatically work when the mower power on.
3. Open the app and login, click "+" in the upper right corner of the homepage, and click "Add Device", the surrounding configurable devices will pop up, then click "Add" to select the desired device, choose the right WIFI as the same with your phone and enter the WIFI password, lastly click "complete" to finish the connection and you can check working status and set it in the app now. It may takes several seconds to minutes, and the WIFI indicator turns solid on when the connection is completed.

NOTE:

- 2.4GHz and 5GHz WIFI are supported.
- Place the mower in a location with a good WIFI signal.
- Due to upgrades in the app software, the actual operations may be different from the statements in this manual. Please follow the instructions based on the current app version.

UNBIND THE BIND WITH APP

MANUALLY:

- Press OK button for more than 3s to delete the device, and enter PIN code to confirm it.

OPERATION IN THE APP

1. Homepage view:



2. Setting of mowing time

Your mower creates its own automatic schedule and working time based on the size of your lawn and other factors. Our recommendation is not to manually adjust these settings. Set the mowing time in the app, follow the simple on-screen menus.

• Auto schedule

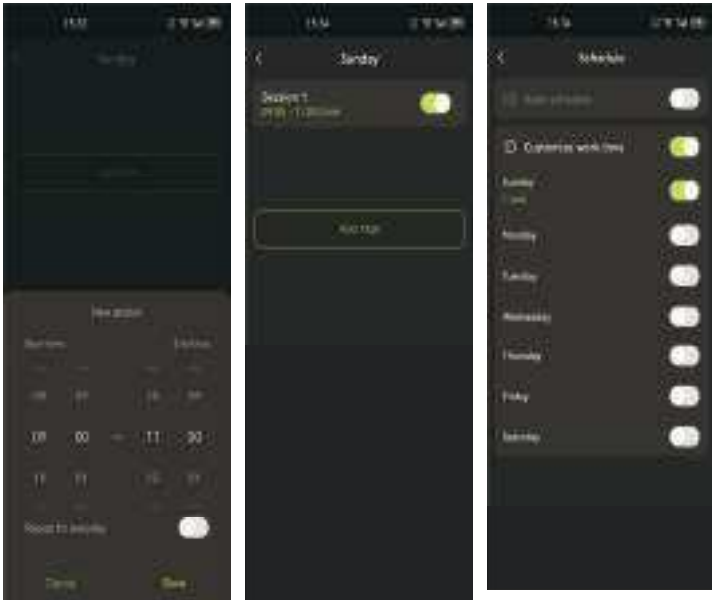
“Setting”→“Schedule”→“Auto schedule”

The mower automatically adjusts its mowing time to the size of your lawn.



• **Customize work time**

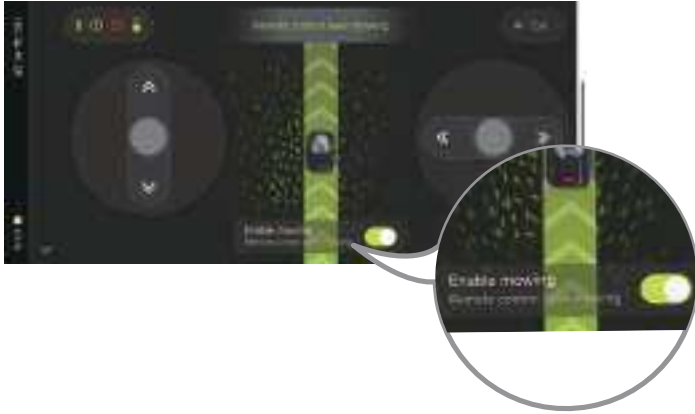
- 1 “Setting”→ “Schedule”→ “Customize work time”
- 2 Set the schedule and save it
- 3 Back to “Schedule” and enable the task



3. Manual Controller

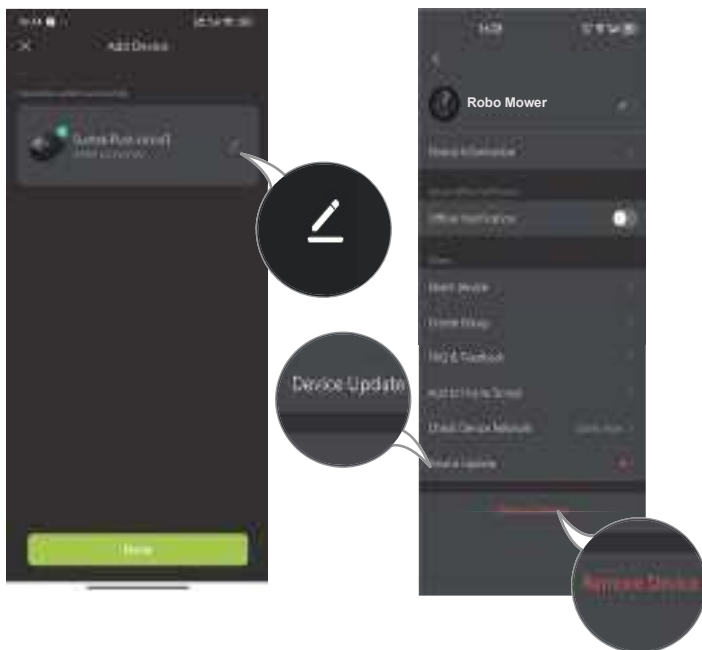
The moving path of the lawn mower can be controlled manually through the App, so you can let the mower go to the desired position to work.

When you turn on the "Enable mowing" option in the app, the blade discs will be activated automatically. Please ensure that the controller and the mower are within a distance of 3 meters; otherwise, the mower may lose connection with the controller.



4. More settings

More settings can be checked in the app, like Device Update/ Remove Device and so on.



MAINTENANCE

Your mower works hard and needs to be cleaned and checked from time to time. This section of our guide helps you keep Mower in good shape so it can last for years without troubles. Here's how to take care of your mower.

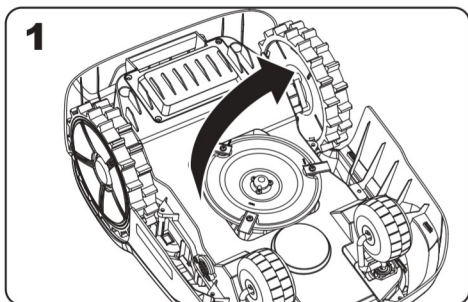
KEEP IT SHARP

- Each cutting blade will last up to 2 months when it is programmed to mow every day.
- Always check to see if the blades are chipped or damaged and replace them if they are.
- When the cutting blades are dull and worn out, they should be replaced with the spare blades provided with your mower. Spare blades are also available at your nearest Mower retailer.

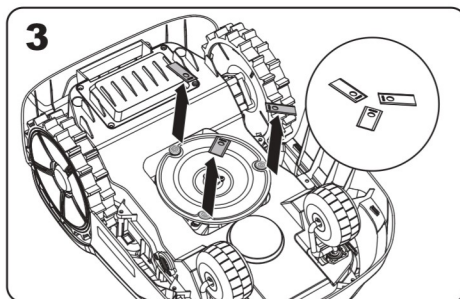
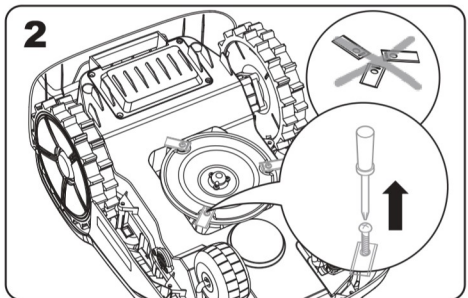
WARNING! Before cleaning, adjusting, or replacing the blades, turn your mower OFF. Always wear protective gloves.

REPLACING THE BLADES

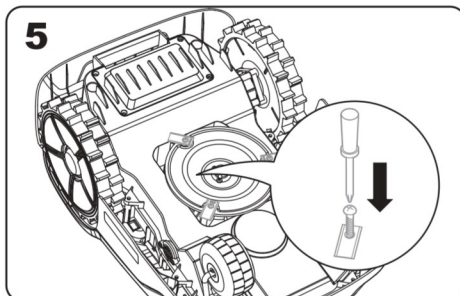
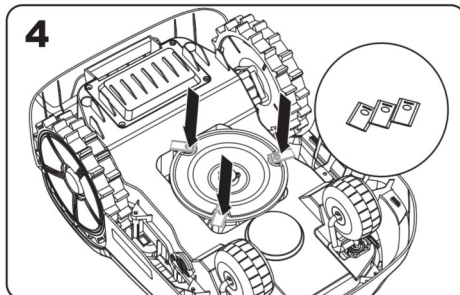
Gently tip the mower over (fig. 1)



Take the screws off the blades with a screwdriver (fig. 2 - 3)



Firmly screw on the new blades (fig. 4 - 5)



Attention: When fitting new blades, make sure you replace ALL the blades.

- Always use new screws when fitting blades. This is important to ensure blade retention and balance the blade turning disc. Failure to use new screws could cause serious injury.
- Important: After screwing the blade to the blade disc, make sure the blade is able to spin freely.

KEEP IT CLEAN

Your mower should be cleaned regularly. This helps keep it in good condition, especially removing dirt, debris and the build-up of grass from daily mowing. Turn Mower off before cleaning it. For extra safety.



WARNING! DO NOT use a hose, high pressure washer or otherwise pour running water on your mower. High pressure water can go inside the sealings and damage electronic and mechanical parts.

Cleaning the upper body

- Clean with a spray bottle filled with water. Don't use solvents or polishers.
- Use a brush or a clean cloth to remove built-up dirt.

Cleaning the Bottom

- Flip Mower upside down.
- Remove debris and grass clippings using a brush to remove.
- Be careful not to touch the blades with your hands. Wear gloves for protection.
- Clean the blade disc, the chassis and the front wheel(s) thoroughly with a soft brush or moist rag.
- Rotate the blade disc to ensure it rotates freely. Remove any obstructions. Remove any lodged debris so that they don't cause a crack in the blade disk. Even the tiniest crack affects mowing performance.
- Check the blades spin freely around the fixing screws. Remove any obstructions.

Cleaning the drive wheels

- Remove mud from wheels with a brush in order to ensure good grip of the tread.

Clearing the charging contacts

- Clean the contact pins located on the charging station and the charging strips located on the mower using a cloth.
- Periodically remove any build-up of grass clippings or debris around the contact pins and the charging strips to ensure Mower successfully charges each time.

BATTERY MAINTENANCE

- For the proper storage of the battery, make sure it is fully charged and kept in a cool dry place between -20°C~60°C.
- The recommended Mower operation temperature is between 0-50°C.
- The recommended battery charging temperature is between 4-45°C.

- The life-span of Mower's battery depends on hours of usage and the length of use per day during the mowing season.

Battery maintenance during storage

- Connect the charging station to a suitable power supply. The blue light on the charging station will turn on.
- Manually dock your mower into the charging station while the mower is powered off.
- The light on the charging station turn to solid red and the mower start to charge.
- When the battery is fully charged, the light will turn to solid green.

WINTER STORAGE

Although Mower is designed and built to survive the most severe weather conditions, we recommend storing it in your shed or garage during the winter. To prepare it for winter storage:

- Clean it thoroughly.
- Fully charge the battery.
- Turn the power off.

Getting back to work in the Spring

When it is time to re-start Mower for the new season, please perform the following checks:

- Update the time and date settings via the app.
- If you notice signs of oxidation on the charging contacts of Mower and the charging station, clean these with a fine grade emery cloth.
- Full charge Mower's battery before operating.

UPDATE

Mower is always improving and new software versions are made available for free. Always keep Mower software updated to make the most of your machine.

Over-the-Air (OTA) updates

If your mower is connected to your Wi-Fi network, you will be notified that new software is available via the app. Once you confirm, the update will happen automatically Over-the-Air.

ERROR MESSAGES

Sometimes things can go wrong. Fortunately Mower is smart enough to tell you if it is encountering an issue, so you can fix it. If in doubt, please visit our website where you will find useful videos and further support.

Error code	Description	Action
E01	Machine triggers anti-theft lock	Release the PIN code lock and safety lock after confirming safety
E02	Machine triggers emergency stop lock	Release the security lock after confirming safety
E03	Machine locks outside the grassland	Ensure that the machine is in the grassland, and the grass can be seen in the front, and release the safety lock after confirming safety
E04	Machine triggers occlusion lock	Confirm that the lens and the front are unobstructed, and release the safety lock after confirming safety
E05	Machine triggers lifting lock	Be sure to put down the machine and release the safety lock after confirming safety
E06	Machine triggers tilt lock	Be sure to put down the machine and release the safety lock after confirming safety
E07	Machine triggers tipping lock	Turn the machine over and release the security lock after confirming safety
E08	Continuous collision locking of machine	Verify that the machine is not subject to collision or resistance, and release the safety lock after confirming safety
E09	System self-test abnormal lock	Please restart the machine. If multiple attempts are unsuccessful, contact Technical Support
E10	Continuous abnormal locking of software	Please restart the machine. If multiple attempts are unsuccessful, contact Technical Support
E11	Long term release failed and locked	Try to release manually, and release the safety lock after confirming safety
E12	Motor undervoltage protection locked	Please move the machine back to the charging base for charging
E13	Abnormal locking of machine drive motor	If multiple attempts are unsuccessful, contact Technical Support
E14	Error, abnormal battery charging	Wait for the battery to recover to normal. If it does not recover for a long time, contact Technical Support
E15	Error, recharging failed	Make sure that there are charging piles and QR codes are not blocked
E16	Error, mapping failed	Ensure that the machine is on the charging pile with charging signal
E17	Error, cutting motor stalling	Confirm that the machine cutterhead motor is not entangled. If multiple attempts are unsuccessful, contact Technical Support

E18	Error, drive motor stalling	Confirm that the machine drive motor is not entangled. If multiple attempts are unsuccessful, contact Technical Support
E19	Error, cutting motor overcurrent	Confirm that the machine cutterhead motor is not entangled. If retry is unsuccessful after full stop, contact Technical Support
E20	Error, drive motor overcurrent	Confirm that the machine drive motor is not entangled. If retry is unsuccessful after full stop, contact Technical Support
E21	Error, cutting motor short circuit/open circuit	Restart the machine after a moment of inactivity. If multiple attempts are unsuccessful, contact Technical Support
E22	Error, drive motor short circuit/open circuit	Restart the machine after a moment of inactivity. If multiple attempts are unsuccessful, contact Technical Support
EE0	Unable to identify error	Wait for 1 minute to see if it disappears. If it does not disappear, restart the machine. If it still exists after restarting, contact Technical Support
F01	Pin code input error	Please trigger the input interface again and enter the correct PIN code to unlock

NOTES

- Before turning power on, always check the mower is inside its working area.
- If for any reason—i.e. a party, children playing...—you want to park your mower in the charging station: press HOME then OK. Mower will go to its base and stay there. Please note the mower will now wait until the next scheduled mowing session. If you want to re-start it at any time, press START then OK to start your mower
- If your lawn is divided in two separated areas, connected by a corridor less than 1m wide, one of which is not provided with the charging station: when the mower runs out of charge, take it manually to the charging station.
- If Mower runs abnormally once in a while, please reset it by turning it off for 30 seconds, then restart it. If the problem cannot be solved, please contact our Customer Service for help.

TROUBLE SHOOTING

If your mower does not work correctly, follow the troubleshooting guide below. If the fault persists, contact Customer Service.

Message Displayed	Probable Cause/Event	Corrective Action
The mower is at the station with no button response.	Environment or machine posture is abnormal.	Check the message displayed on the screen, find the proper solution according to the user manual.
The charging pile indicator flashes red.	The voltage is unstable/other faults.	Plug and unplug the charger.
The charging pile indicator is not on (blue breathing light).	Not powered on.	Check if the charging base is connected properly to the charger.
		Check if the charger is connected to a suitable power supply properly.

The mower spins in front of the charging base when recharging.	The mower is searching for the boundary/ charging base.	Keep the border/2m in front of the charging station clear/unobstructed.
The mower runs on the lawn, but the blade disc does not rotate.	The mower is searching for the charging base.	This is normal: when the mower needs recharging, the blade disc does not rotate while it is searching for the charging base automatically.
The mower vibrates.	Blades may be damaged.	Check the blades and replace them if damaged.
	The blade disc is unbalanced.	Remove debris and objects from the blades and blade disc.
Grass is being cut unevenly.	The mower needs enough time to complete the full mowing.	Allow the mower to mow the complete lawn twice to cover the whole lawn area. Or set it to "Fine Cutting" through the app to achieve full coverage
	The lawn is too large.	Each model has its upper limit on coverage. It will take more time to reach full coverage if it's over the capacity.
	The blades are dull.	Change all the blades and screws.
	The grass is too high or cutting height is set too low.	Raise the cutting height and then gradually lower.
	Grass or another object has wrapped around the blade disc.	Check the blade disc and remove any grass or other objects that might prevent it spinning.
The mower is in the working area, but systems shows "not in the working area".	The front camera is covered or dirty.	1. Clean the camera. keep the camera clean regularly. 2. Properly clean to improve the mower efficiency . 3. Leave the area and restart the mower.
	There are too many fallen leaves and debris near the mower, which interferes with visual inspection.	
	The lawn near the mower is too sparse.	
The mower does not charge.	Not powered on or charging electrode not in contact.	"Check if the power cord is connected properly to the charger and the charger is connected to a suitable power supply. Make sure both the charging strips on the mower touch the center of the charging contacts on the charging pile."
The mower stops in the working area.	Stuck in obstacles, trapped in dense grass areas.	Remove obstacle from the mower's working area. The lawn height should be <100mm before mow the lawn for 1st-time.
	The grass is too high or cutting height is set too low,causing the cutting disc to stall.	Raise the cutting height and then gradually lower.
	The temperature of battery/ ground surface is too high.	When used within the working temperature range of the machine, stop mowing when the temperature is too high to protect the lawn

The mower is starting to have shorter run-times.	The grass is dense and high.	This is normal: cutting dense grass, tall grass will consume more power.
	Something clogs the blade disc, creating friction and increasing power consumption.	Check if it is blocked. If blocked, it needs to be cleaned up.
	The battery may be exhausted or old.	Replace the battery according to the recommended use cycle on the manual.
The mower is not operating at the correct time.	The system time does not match the local time.	Adjust the mower system time to local time.
	The working hours are set incorrectly.	Change the time settings for the start and stop of mower.
The mower cannot correctly dock with the charging pile.	Environmental influences.	Restart the mower.
	Poor connection caused by grass or debris on the charging strip.	Clean the contact pins on the charging pile and the charging strip on the mower using a cloth.
The blue breathing light on the charging pile turns on before charging is complete.	Charging over-temperature protection.	Place the charging base in a shady area or wait until it reaches the normal temperature.
The mower wheels skid.	Obstacles, such as branches, may get stuck under the mower.	Remove objects from underside of the mower.
	The lawn is too wet.	Start mowing when the lawn is dry again.
The mower slips out of its working area.	Low grip of the mower drive wheels.	Please confirm the wheels are clean and free of mud in order to have the maximum grip.
The mower operative system crashes when charging or on standby.	Software or display fault.	Restart the mower.
The mower fails to connect to the internet.	Please confirm your router has the correct settings.	Make sure your router is 2.4GHz or 5GHz. If your router has two settings, enable the 2.4GHz band (good penetration).
		If you changed your Wi-Fi network, you need to connect the mower to the new network.

ENVIRONMENTAL PROTECTION



Only for EC countries: According to the European law 2012/19/EU, electrical and electronic equipments that are no longer usable, and according to the European law 2006/66/EC, defective or used battery packs/batteries, must be collected separately and disposed of in an environmentally correct manner.



SUNTEK OUTDOOR POWER EQUIPMENT LIMITED WARRANTY

Please read the following information and statement carefully before contacting us about warranty repairment or replacement.

SUNTEK WARRANTY PERIOD

Robotic mower products have 3-year limited warranty period, except for accessories and consumables, starting from the date of purchase.

Batteries built-in Robotic mower & Charger & Charger Station have 2-year limited warranty period, starting from the date of purchase.

Additional-Function Modules on robotic mowers, have 1-year limited warranty period, starting from the date of purchase.

Accessories for routine maintenance parts, are covered from manufacture defects in normal working conditions for 90 days limited warranty period, starting from the date of purchase. Accessories, for example, include but are not limited to, blades, wheels, pegs, and other accessories.

The warranty does not cover breakdowns due to normal wear and tear.

The manufacturer agrees to replace parts identified as defective by the designated distributor. The manufacturer does not accept responsibility for the replacement of the machine, in whole or in part, and/or ensuing damage.

All repairment and replacement tools will be covered by the limited warranty for the balance of the warranty period from the date of the original purchase.

The details warranty periods by products can be found online: <http://suntekliving.com> or contact service@suntek-group.com

WARRANTY CLAIMS

When you purchase products from stores, make sure that your machine is complete with all accessories supplied, and clean. If this is not the case, the repairer will refuse the machine. Go to the store with the complete machine and with the receipt or invoice.

For warranty claims, please contact the retail stores where you purchased, nearby dealers, or SUNTEK after-sales service centers. To file a warranty claim, you will need to submit original proof of purchase in the form of a valid receipt that displays date and place of purchase. To expedite your request when writing E-mailing or calling the helpline, please have the details of the SUNTEK products model number and serial number available.

Robotic Lawn Mower

SRM2060

Find SUNTEK after-sales service center,

Country	Service Partner	Contact information
DE, AT, CH (Deutsch)	SWAP-Europe	https://services.swap-europe.com/contact +4932221853206
FR, Benelux, IT (French)	SWAP-Europe	https://services.swap-europe.com/contact +33970753030
Spain, Portugal	SWAP-Europe	https://services.swap-europe.com/contact +33970753030

If more regions that was not mentioned below, you can find online: <http://suntekliving.com> or contact service@suntek-group.com

FIND AND ORDER SPARE PARTS

Before ordering spare parts, find your product's expanded view spare parts list, please visit:
<http://suntekliving.com> <https://services.swap-europe.com/contact>

When ordering spare parts, please indicate the part number, you shall keep the purchase receipt. If without it, the warranty is invalid. To help you on your products, we invite you to contact SWAP website: <https://services.swap-europe.com/contact>

There, you must create a "ticket" via the web platform.

- Register or create your account.
- Indicate the reference of the tool.
- Choose the subject of your request.
- Describe your problem.
- Attach these files: invoice or sales receipt, photo of the identification plate (serial number), photo of the part you need (for example: pins on the charger plug which are broken)

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AFTER SALES SERVICE AND APPLICATION SERVICE

If you bought your product in a store:

Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.

Go to the store with the complete machine and with the receipt or invoice.

If you bought your product Online:

Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.

Create a SWAP-Europe service ticket on the site: <https://services.swap-europe.com>

When making the request on SWAP-Europe, you must attach the invoice and the photo of the nameplate (serial number)

Please keep your original packaging to allow for after-sales service returns or pack your machine with a similar cardboard box of the same dimensions. For any question concerning our after-sales service you can make a request on our website [https:// services.swap-europe.com](https://services.swap-europe.com)

LIMITED WARRANTY SERVICE TERMS

SUNTEK products are warranted to be free from defects in material and workmanship, from the date of original purchase, subject to the disclaimers and limitations stated below.

- This warranty applies only to the original purchaser and may not be transferred.
- This warranty is void if the product has been used for rental purpose.

SUNTEK product warranty only covers defects arising under normal usage and **does not apply to the following cases:**

- Malfunction of the tool resulting from the natural wear and tear of the product, its components, machines, mechanical components, or accessories, including but not limited to: Electric Cables,

Blades, Transmission Belts and Straps, Filters, Carbon Brushes, Outer Spools, Bump Knobs, Cutting Lines, Saw Chains, Guide Bars, Fixing Devices and Supports.

- Normal deterioration of the exterior finish, including but not limited to scratches, dents, paint chips, or to any corrosion or discoloring by heat, abrasives, or chemical cleaners.
- Any malfunction, failure or defect resulting from violation of the rules of operation, misuse, abuse (including but not limited to overloading of the product beyond designed capacity and immersion in water or other liquid), accidents, neglected, altered, modification or lack of proper installation, and improper maintenance or storage of the equipment as specified in the user manual.
- Using the tool for a purpose other than that for which it was designed, or the use and maintenance of the machine done in a manner not described in the user manual.
- Damage caused due to the non-conformity to the designed parameters as indicated on the tool and/or the owner's manual.
- Damage caused by cleaning tools or maintaining with chemically aggressive liquids.
- Repairs made with spare parts, replacement parts or components that are not provided by SUNTEK, as well as for damage resulting from the use of non-original spare parts, or unauthorized repair.
- Defects and their consequences linked to the external causes.
- Products whose original authentication marking (brand, serial number) has been degraded, altered or withdrawn.

Maintain case

The warranty does not cover your daily maintain tasks for example, include but are not limited to

- Periodic and standard maintenance events
- Replacement of consumables parts
- Accessories breakdowns
- Loss of components and loss due to insufficient screwing.

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

This warranty applies to all SUNTEK brand outdoor power equipment products from Suntek GmbH, that are sold in Europe market.

Suntek GmbH

Blindeisenweg 27,41468 Neuss,Germany

Email Address: service@suntek-group.com