

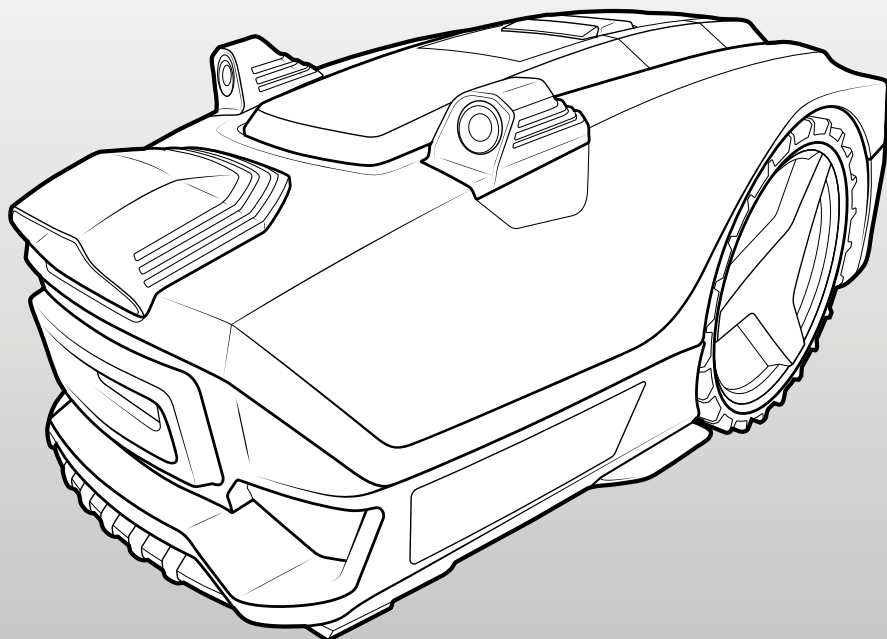


18V BRUSHLESS

FREELEXO CAM ROBOT LAWN MOWER

INSTRUCTION MANUAL

ozito.com.au



2 YEAR
REPAIR WARRANTY*

+1 YEAR ONLINE REGISTRATION

PXRLMS-500

0524

1



ELECTRICAL SAFETY



WARNING! When using electric machines basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury.

- Read the whole manual carefully and make sure you know how to switch the machine off in an emergency, before operating the machine. Save these instructions and other documents supplied with this machine for future reference.
- 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 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 the appliance.
- This machine is compatible and only to be used with all batteries & chargers from the Ozito PXC range. Refer to the PXC battery and charger manuals for information regarding charging, use and storage.
- **WARNING!** Always remove the battery from the machine:
 - when the machine is being checked, cleaned, or having maintenance work done,
 - when the machine is to be stored,
 - or if the machine vibrates abnormally.
- Do not combine different types of batteries or new and used batteries.
- Do not use modified or damaged batteries.



GENERAL MACHINE SAFETY WARNINGS



WARNING! Read all safety warnings, instructions, illustrations and specifications provided with this machine. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. **Save all warnings and instructions for future reference.**

The term "machine" in the warnings refers to your mains-operated (corded) machine or battery-operated (cordless) machine.

1) Work area safety

- a) **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- b) **Do not operate machines in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Machines create sparks which may ignite the dust or fumes.
- c) **Keep children and bystanders away while operating a machine.** Distractions can cause you to lose control.

2) Electrical safety

- a) **Machine plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) machines.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the machine. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- e) **When operating a machine outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) **If operating a machine in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

3) Personal safety

- a) **Stay alert, watch what you are doing and use common sense when operating a machine. Do not use a machine while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating machines may result in serious personal injury.
- b) **Use personal protective equipment. Always wear eye protection.** Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
- c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the machine.** Carrying machines with your finger on the switch or energising machines that have the switch on invites accidents.
- d) **Remove any adjusting key or wrench before turning the machine on.** A wrench or a key left attached to a rotating part of the machine may result in personal injury.



GENERAL MACHINE SAFETY WARNINGS

f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.

h) **Do not let familiarity gained from frequent use of machines allow you to become complacent and ignore machine safety principles.** A careless action can cause severe injury within a fraction of a second.

4) Machine use and care

a) **Do not force the machine. Use the correct machine for your application.** The correct machine will do the job better and safer at the rate for which it was designed.

b) **Do not use the machine if the switch does not turn it on and off.** Any machine that cannot be controlled with the switch is dangerous and must be repaired.

c) **Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the machine before making any adjustments, changing accessories, or storing machines.** Such preventative safety measures reduce the risk of starting the machine accidentally.

d) **Store idle machines out of the reach of children and do not allow persons unfamiliar with the machine or these instructions to operate the machine.** Machines are dangerous in the hands of untrained users.

e) **Maintain machines and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the machine's operation. If damaged, have the machine repaired before use.** Many accidents are caused by poorly maintained machines.

f) **Keep cutting machines sharp and clean.** Properly maintained cutting machines with sharp cutting edges are less likely to bind and are easier to control.

g) **Use the machine, accessories and machine bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the machine for operations different from those intended could result in a hazardous situation.

h) **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the machine in unexpected situations.

5) Battery machine use and care

a) **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.

b) **Use machines only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.

c) **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.

d) **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.

e) **Do not use a battery pack or machine that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.

f) **Do not expose a battery pack or machine to fire or excessive temperature.** Exposure to fire or temperature above 130°C may cause explosion.

g) **Follow all charging instructions and do not charge the battery pack or machine outside the temperature range specified in the instructions.** Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

6) Service

a) **Have your machine serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the machine is maintained.

b) **Never service damaged battery packs.** Service of battery packs should only be performed by the manufacturer or authorized service providers.



LAWN MOWER SAFETY WARNINGS



WARNING! If not used properly this lawn mower can be dangerous!

This lawn mower can cause serious injury to the operator and others, the warnings and safety instructions must be followed to ensure reasonable safety and efficiency in using this lawn mower. The operator is responsible for following the warning and safety and instructions in this manual and on the lawn mower. Never use the mower unless the catcher or guards provided by the manufacturer are in the correct position.

1) Training

- Read the instructions carefully. Be familiar with the controls and the proper use of the appliance.
- Never allow children or people unfamiliar with these instructions to use the appliance. Local regulations may restrict the age of the operator.
- Never mow while people, especially children, or pets are nearby.
- The operator or user is responsible for accidents or hazards occurring to other people or their property
- Know your controls. Read the manual carefully. Learn how to stop the engine quickly in an emergency.

2) Preparation

- Thoroughly inspect the area where the appliance is to be used and remove all stones, sticks, wires, bones, and other foreign objects. They could be thrown by the blade.

DAMAGED BLADES AND WORN BOLTS ARE MAJOR HAZARDS.

- On multi-bladed appliances, take care as rotating one blade can cause other blades to rotate.

3) Operation

- Avoid operating the appliance in wet grass, where feasible.
- Do not mow excessively steep slopes.
- Stop the blade(s) if the appliance has to be tilted for transportation when crossing surfaces other than grass, and when transporting the appliance to and from the area to be mowed such as gravel drives, walks or roads.
- Never operate the appliance with defective guards or shields, or without safety devices, for example deflectors and/or grass catchers, in place.
- Do not tilt the appliance when starting the motor, except if the appliance has to be tilted for starting. In this case, do not tilt it more than absolutely necessary and lift only the part which is away from the operator. Always ensure that both hands are in the operating position before returning the appliance to the ground.
- Do not put hands or feet near or under rotating parts. For rotary mowers, keep clear of the discharge opening at all times.
- Never pick up or carry an appliance while the motor is running.
- Stop the mower and remove battery:
 - before clearing a blockage;
 - before checking, cleaning or working on the appliance;
 - after striking a foreign object. Inspect the appliance for damage and make repairs as necessary;
 - if the appliance starts to vibrate abnormally (check immediately).

4) Maintenance and storage

- Keep all nuts, bolts, and screws tight to be sure the appliance is in safe working condition.
- Replace worn or damaged parts for safety.
- Remove batteries when changing blade.



WARNING! When servicing, use only identical replacement parts. Use of any other parts may create a hazard or cause product damage. To ensure safety and reliability, all repairs should be performed by a qualified service technician.



DANGER! Always remove the batteries from the lawn mower:

- when the equipment is being checked, cleaned, or having maintenance work done,
- or if the equipment vibrates abnormally.



ROBOT LAWN MOWER SAFETY WARNINGS



WARNING! Read all the safety information, instructions, illustrations and technical data provided on or with this machine. Failure to adhere to the following instructions may result in electric shock, fire and/or serious injury.

Keep all the safety information and instructions in a safe place for future use.

- Always check the machine for signs of damage before use. If unusual vibrations occur during use, switch the machine off immediately and remove the batteries. Check the cutters and clean them if necessary. If the equipment continues to vibrate, switch it off, and contact Ozito customer service.
- Worn parts may only be replaced by authorised repairer. If necessary contact Ozito customer service.



WARNING!

- Do not touch the cutters until the machine has been disconnected from the rechargeable battery and the cutters have reached a complete standstill;
- Press the safety switch and switch off the equipment at the main switch
 - before clearing a blocked cutter;
 - before carrying out any checks, cleaning or other work on the equipment;
 - if a foreign body has been struck;
 - whenever the machine starts to vibrate oddly;
- Store the battery only in dry rooms with an ambient temperature of +10°C to +40°C.
- Keep a safe distance away from the machine when it is in operation
- Do not ride on the machine
- Do not let children be in the vicinity or play with the machine when it is in operation
- Pull out the power plug and disconnect the guide cable from the charging station during a thunder storm.
- Carefully read the instructions for how to operate the machine safely.

Note

- a) Read the directions with due care. Familiarize yourself with the operator controls and proper operation of the equipment.
- b) Never allow persons who are not familiar with these instructions or children to use the machine. Contact your local governmental agency for information regarding minimum age requirements for the user.
- c) The machine operator or user is responsible for accidents involving other persons and/or their property.

Preliminary measures

- a) Inspect the area in which the equipment is to be operated at regular time intervals and remove all stones, twigs and branches, wire, bones and other foreign bodies.
- b) The machine must be inspected visually at regular time intervals to ensure that the cutters, cutter bolts and the cutter assembly are neither worn nor damaged. Worn and damaged cutters and bolts must be replaced as a set, in order to maintain the balance.

Handling

- a) Never use the machine if one or more of the guards are damaged or if the guards are not in their intended position.
- b) Keep your hands and feet away from rotating parts.
- c) Never lift or transport the machine while the motor is running.
- d) Remove the locking mechanism from the machine (or activate it); before clearing any blockages; before carrying out any checks, cleaning or other work on the equipment.



CHARGING STATION SAFETY WARNINGS

1. Always connect the AC charging adaptor to a residual current device (RCD) protected supply.
2. Please check the data marked on the rating plate of the battery charger. Ensure to only connect the battery charger to a power supply with the voltage marked on the rating plate.
3. Protect the battery charger and its cable from damage and sharp edges. Have damaged cables repaired by an authorised service agent before use.
4. Keep the battery charger, batteries and the cordless tool out of children's reach.
5. Do not use damaged battery chargers.
6. Do not use the supplied battery charger to charge other cordless tools. Only charge Ozito Power X Change rechargeable batteries with an Ozito Power X Change Charger.
7. The battery pack may become warm during use. Allow the battery pack to cool to room temperature before commencing with the charging.
8. Do not over-charge batteries. Do not exceed the maximum charging times. These charging times only apply to discharged batteries. Frequent insertion of a charged or partly charged battery pack will result in over-charging and cell damage. Do not leave fully charged batteries in the charger.
9. Charge the battery pack in dry conditions with low humidity between 10-40°C. Avoid exposing battery pack and charger to direct sunlight.
10. Do not use batteries which have suffered deformation during the charging process or shows any other signs of abnormalities including, excessive curvature of the housing, gassing, hissing or cracking.
11. Never fully discharge the battery pack. A complete discharge of the battery pack will lead to premature ageing of the battery cells.
12. Never charge the batteries unsupervised.
13. Do not cover or place any object on top of the charger, place the charger away from heat sources.
14. To reduce risk of damage to the electric plug and cord, pull by the plug rather than the cord when disconnecting the charger.
15. Make sure the cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
16. An extension cord should not be used unless necessary. Use of an improper extension cord could result in the risk of fire, electric shock or electrocution.
17. Do not disassemble charger. This may result in a risk of electric shock, electrocution or fire.
18. To reduce risk of electric shock, unplug the charger from the outlet before attempting any cleaning. Removing the battery pack will not reduce this risk.
19. Do not use the cordless tool or the battery charger near vapours and inflammable liquids.
20. **Protect your cordless tool and the battery charger from moisture and rain.** Moisture and rain can cause dangerous cell damage. Garage available - sold separately.
21. Do not use the cordless tool or the battery charger near vapours and inflammable liquids.
22. Do not keep the battery charger in places where the temperature is liable to reach over 40°C. In particular, do not leave the battery charger in a car that is parked in the sunshine.

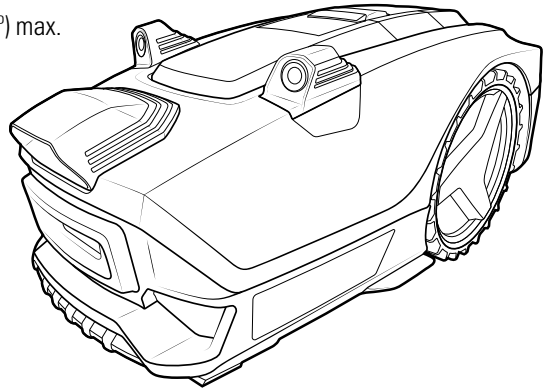
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SPECIFICATIONS

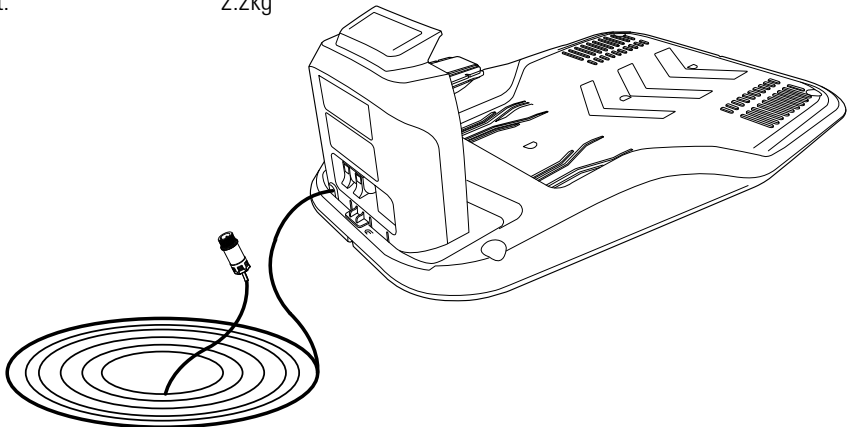
FREELEXO CAM ROBOT LAWN MOWER

Input:	18V
No Load Speed:	3,400/min
Cutting Diameter:	180mm
Cutting Heights:	20 - 60mm (Stepless)
Number of Blades:	3
Mowing Area Gradient:	25% (14°) max.
IP Rating:	IP44
Noise Rating:	57dB
Weight:	8.75g



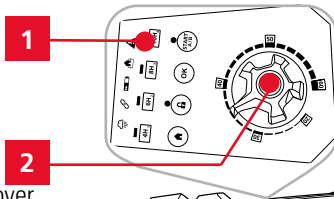
CHARGING STATION

Input:	100-240V ~ AC 50/60Hz
Output:	23V DC, 1500mA
IP Rating:	IP65
Battery Charge Time:	120min (4.0Ah Battery)
Weight:	2.2kg

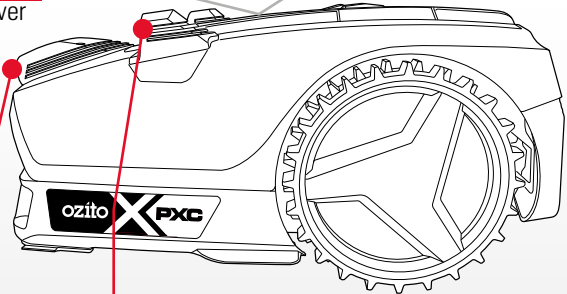


KNOW YOUR PRODUCT

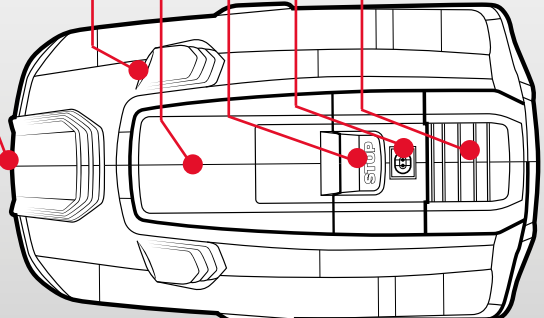
1. Control Panel
2. Cutting Height Adjustment
3. Camera
4. Distance Sensor
5. Control Panel Cover
6. STOP Button/Control Panel Cover Release Button



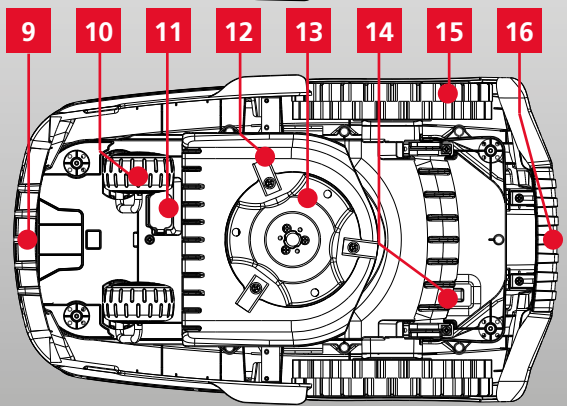
7. Rain Sensor
8. Battery Cover
9. Carry Handle-Front
10. Front Wheel
11. USB Connection

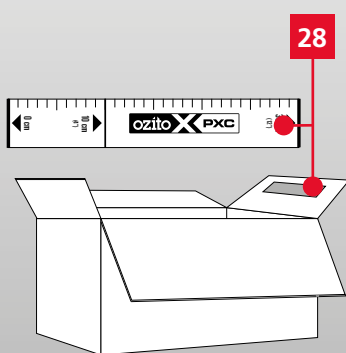
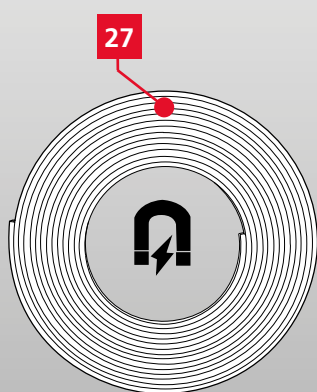
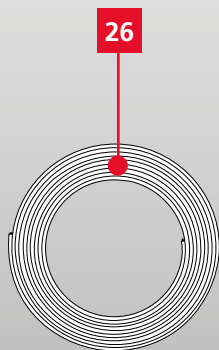
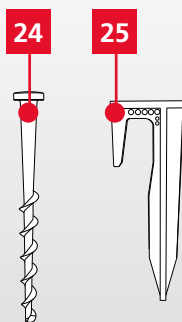
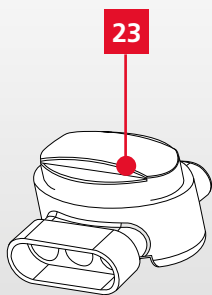
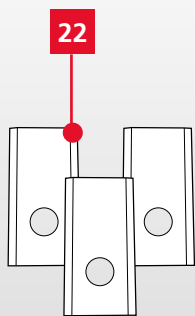
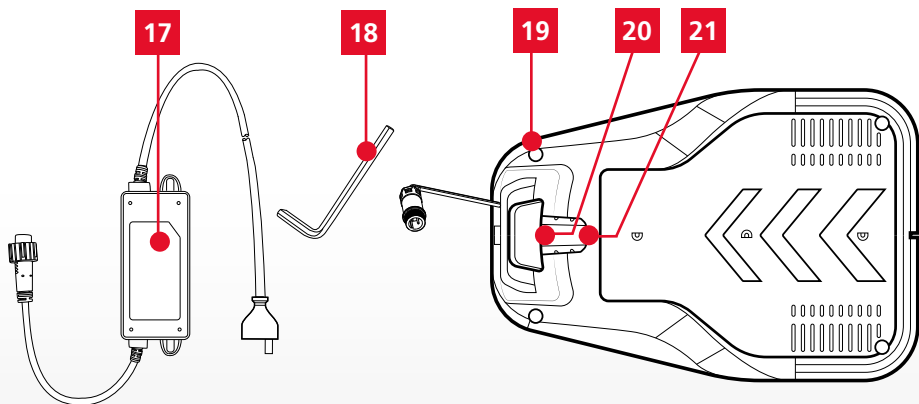


12. 3 x Blades
13. Blade Plate
14. Main Switch
15. Rear Wheel
16. Carry Handle-Rear
17. AC Charging Adaptor
18. Hex Key
19. Charging Station
20. Charging Station LED
21. Charging Pin
22. 3 x Spare Blades
23. 2 x Cable Connector (for Guide Cable repair)

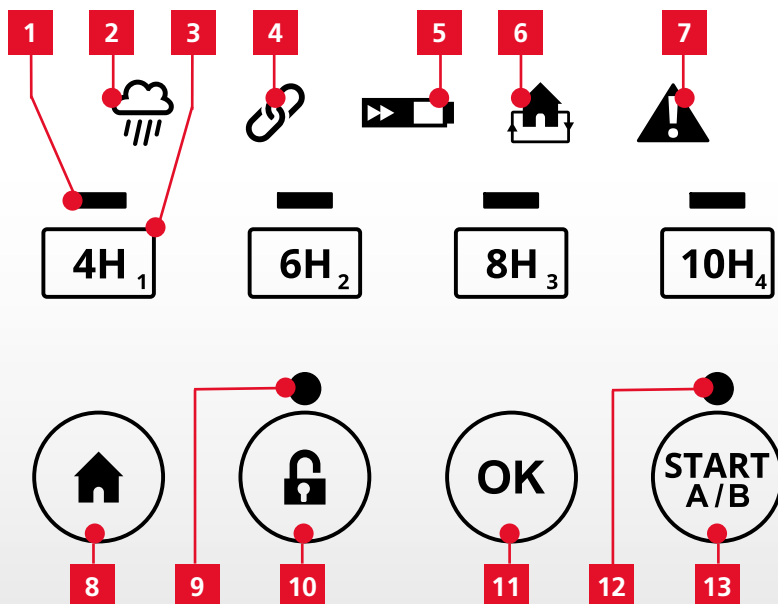


24. 4 x Ground Anchor Screws
25. 25 x Ground Fastening Pegs
26. 12m Guide Cable
27. 5m Magnetic Tape
28. Ruler 300mm





KNOW YOUR PRODUCT - CONTROL PANEL



1. Time LED's: Illuminates for the corresponding daily mowing time selected
2. Rain Sensor LED: Indicates as to whether the rain sensor has triggered
3. Mowing Times/PIN Numbers: Buttons for setting the mowing time and for entering the PIN
4. GNSS LED: Status of GNSS (Global Navigation Satellite System) signal
5. Battery LED: Battery charge level
6. Guide Cable LED: Indication of search loop quality or fault
7. Alarm LED: Illuminates when a fault is found
8. HOME Button: Press to send the robot mower to the charging station
9. Padlock LED: Padlock button status
10. Padlock Button: Press to unlock the control panel
11. OK Button: Press to confirm
12. Status LED: Status of the robot lawn mower and mowing area A or B
13. START A/B Button: Start and area A or B selection

ONLINE MANUAL

Scan this QR Code with your mobile device to take you to the online manual.



SETUP & PREPARATION

1. HOW IT WORKS

Read the operating instructions fully before you start work on the installation of the robot lawn mower. The quality of the installation work has a direct effect on the mowing results.

General Overview of the Technology.

The robot lawn mower chooses its direction on a random basis. The entire garden gets mowed by the robot lawn mower reaching areas that are not blocked off by boundaries and obstacles. When the robot lawn mower discovers that it has reached a lawn boundary or recognizes an obstacle, it will change its direction and mow in a different random direction. Using sensors the robot lawn mower can distinguish between obstacles and lawn areas, enabling it to move freely within its work area.

- The robot lawn mower has a camera unit which generates and processes images of the area lying ahead. On this basis the area lying ahead is examined as to whether it is an area for mowing or a lawn boundary or an obstacle. If the area lying ahead is assessed as being an area for mowing, the robot lawn mower will move straight ahead with the mower unit activated. If the area lying ahead is assessed as being a lawn boundary or an obstacle, the robot lawn mower will stop, check again for an area for mowing and continue mowing in a random direction. The area for mowing must be checked and adapted carefully so that the robot lawn mower has enough room to recognize where it ends. The lawn boundaries must be clearly defined so that the robot lawn mower can recognize them within its reaction time.
- The purpose of the laid guide cable is to get the robot lawn mower to dock punctually in the charging station; it does not set any limits during mowing. It is imperative therefore for the robot lawn mower to be on a lawn area with clear optical or physical limits. For the robot lawn mower to find the guide cable and subsequently the charging station it must be in the charging station when mowing mode is started for the first time. It uses a Global Navigation Satellite System (GNSS) to determine the position of the charging station. If the position of the charging station is ever changed, it is essential for the robot lawn mower to be placed again in the charging station for calibration. Make sure that there is no shielding or roofing which could prevent the positioning operation. Avoid placing the charging station near high buildings. Under some circumstances calibration might fail in such cases due to a poor signal.
- When the battery charge level is low, the robot lawn mower will return to the charging station. With the help of the GNSS module the robot lawn mower will determine its distance from the charging stations and look for it. If the robot lawn mower comes up against a garden boundary or any obstacles on its way to the search loop, it will save its position and the mowing area will be mapped. This will help the robot lawn mower to return to the charging station faster in future use. When the robot lawn mower arrives at the guide cable it will return to the charging station using its wire recognition sensors. This can take several minutes depending on the garden's size and complexity.

SETUP & PREPARATION (cont.)

1. HOW IT WORKS (cont.)

- The global navigation satellite system (GNSS) is also used to acquire location-specific sunrise and sunset data. There must be sufficient daylight for the robot lawn mower to work properly. Check the lens of the camera unit regularly for signs of dirt and clean as required.

Sensors, Camera and GNSS Module

The robot lawn mower is equipped with a number of safety sensors, a camera and a Global Navigation Satellite System (GNSS) module. These all work together to enable the robot lawn mower to move within its mowing area.

- **Lifting sensor:**

If the robot lawn mower is raised at the back by more than 30° from the ground or if a front wheel loses contact with the ground, the robot lawn mower and the rotation of the blades will be stopped immediately.

- **Tilting sensor:**

If the robot lawn mower tilts severely in any direction, the robot lawn mower and the rotation of the blades will be stopped immediately.

- **Obstacle sensor:**

The robot lawn mower is able to detect obstacles in its path. If the robot lawn mower collides with an obstacle, the robot lawn mower and the rotation of the blades will be stopped immediately and the mower will reverse away from the obstacle.

- **Camera:**

The robot lawn mower comes with a camera unit which analyses the mowing area (approx. 1m²) lying ahead of it. The camera is directed at the ground so that the objects lying in the screen area appear with a maximum height of 500mm. The image material to be processed is saved only locally and temporarily on the robot lawn mower and is continually overwritten. The robot lawn mower can recognize obstacles and the work area in which there is no longer any lawn. When the robot lawn mower comes across an obstacle or no longer detects any lawn, it will stop and begin to mow again in a random direction. Because of the camera unit it is impossible for the robot lawn mower to work in twilight or during the night. The selected work window should lie within daytime hours when there is enough daylight for the robot lawn mower to work reliably. This also helps to protect semi-nocturnal animals.

- **Distance sensors:**

The robot lawn mower is equipped with distance sensors which enable it to detect obstacles along its path. When the robot lawn mower comes across an obstacle, it will stop and begin to mow again in a random direction.

- **Magnetic tape sensor:**

The robot lawn mower is equipped with a magnetic tape sensor for recognizing a magnetic tape lying on the ground. When the robot lawn mower comes across a magnetic tape it will stop and begin to mow again in a random direction. The magnetic tape serves as a virtual boundary for creating areas of the garden where the robot lawn mower is not allowed to mow.

- **Rain sensor:**

The robot lawn mower is equipped with a rain sensor to prevent it from operating in the rain. When the robot lawn mower detects rain it will return to the charging station as long as there is enough traction and be completely charged there. Otherwise it will stop and turn off where the traction was lost. When the rain sensor is dry again, the robot lawn mower will begin working again provided it is still in an active time window. When the rain sensor is triggered, the rain sensor LED will light up. Do not short-circuit the two metal sensors with metal or any other conductive material. This will impede the correct operation of the robot lawn mower.

- **GNSS module:**

The robot lawn mower determines its position and the position of the charging station by means of a global navigation satellite system (GNSS). This helps the robot lawn mower to find its way back to the charging station. The robot lawn mower can use the GNSS module to determine the local times for sunrise and sunset so that it is prevented from mowing in twilight and during the night. This also means that the robot lawn mower can work reliably with its camera unit.

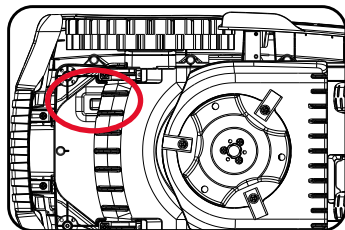
The robot lawn mower also uses the GNSS module at all times to determine its distance from the charging station. The robot lawn mower is allowed to move no more than 1000m from the charging station or else the GNSS LED will turn yellow and the robot lawn mower cannot be operated in Main Area mode (A). The mower's distance from the charging station is irrelevant for operation in Secondary Area mode (B).

SETUP & PREPARATION (cont.)

2. CONTROLS AND SETTINGS

Main Switch

The robot lawn mower is equipped with a main switch. The switch is accessed from underneath the robot mower. Use the Main Switch to switch the robot lawn mower ON (I) and OFF (0). Once the robot lawn mower has been switched ON it will be locked by the PIN.

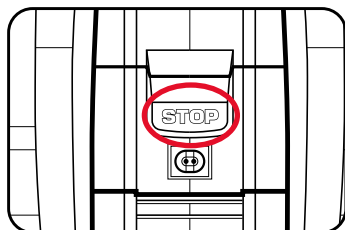


Control Panel

The control panel is used to adjust the settings on your robot lawn mower. The integrated LED display informs you about the status of your robot lawn mower. Familiarise yourself with the control panel and the available options.

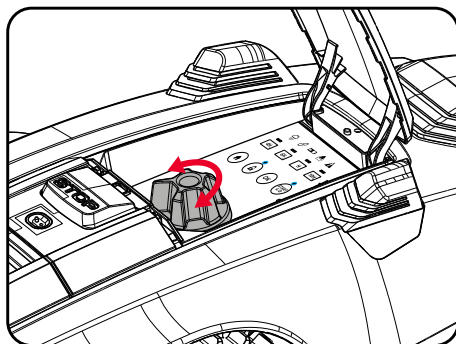
Stop Button

Pressing the "STOP" button will instantly stop the robot lawn mower and will open the Control Panel Cover.



Cutting Height Adjustment

The cutting height adjustment facility allows the cutting height of the robot lawn mower to be set to infinitely adjustable settings between 20 and 60mm, which can be viewed on the scale. If the grass is taller than 60mm it must first be shortened to a maximum of 60mm to avoid exposing the robot lawn mower to excessive load and adversely affecting its operating efficiency. Use a conventional lawn mower or trimmer to do this. After installation has been completed, the cutting height can be adjusted using the cutting height adjustment facility. Always start with a higher cutting height and reduce it in small steps until you reach the desired height.

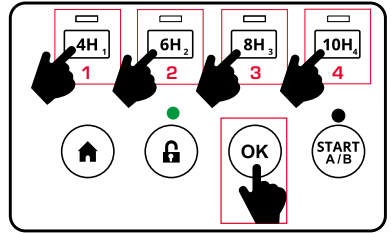


PIN

A locking mechanism prevents unauthorised use of the robot lawn mower without a valid code. You have to enter a personal four-digit security code to unlock the robot lawn mower.

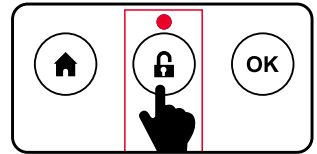
• Unlock the Control Panel

1. Press the 'STOP' button to open the control panel cover and press the 'Padlock' button.
2. Enter the PIN slowly **1-2-3-4** (factory set code) in sequence and confirm the entry with the 'OK' button. The control functions will be unlocked and the Padlock LED will illuminate green confirming the correct code was entered.
3. If you enter an incorrect PIN, the Padlock LED will flash red. Press the Padlock button and re-enter the PIN.



• Lock the Control Panel

1. Press the 'Padlock' button to lock the control panel. The Padlock LED will flash red permanently.



• Changing the PIN-Not essential, use only when limiting approved operators

1. Press the 'STOP' button on the robot lawn mower to open the Control Panel Cover
2. Unlock the control panel following the unlock procedure.
3. Press the 'OK' button and the '4H' button simultaneously and hold for 3 seconds. An acoustic signal will sound.
4. Enter a new PIN (four digits). Press the 'OK' button.
5. Repeat step 3 to confirm the new PIN.



Important!: Make a note of the new PIN.

Mower Fixed Settings

- Due to camera technology mower will automatically operate between dawn and dusk.
- Robot mower will return to charging station in insufficient light. This results in the robot lawn mower not working on this day.

SETUP & PREPARATION (cont.)

2. CONTROLS AND SETTINGS (cont.)

• Setting the Mowing Time Duration (Operating Hours)

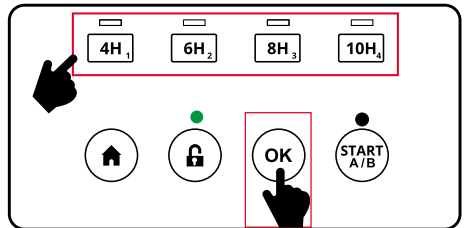
Important!: The time you set this Robot Mowers mow time duration will be the same time it mows every day. ie I made these changes at 11am and the mower will go out this time every day or second day at 11am. To reset the daily start time the robot mower will mow, refer to **Resetting the Daily Start Time** below.

1. Press the 'STOP' button on the robot lawn mower to open the Control Panel Cover.
2. Unlock the control panel following the unlock procedure.
3. Select the desired mowing time by pressing the corresponding button for setting the mowing time, either: 4H, 6H, 8H or 10H, for the hours of operation.

- Short press, the robot lawn mower will mow each day. This will be indicated by the selected time LED lighting up permanently.

- Long press (6 seconds), the robot lawn mower will mow every second day. This will be indicated by the selected time LED flashing.

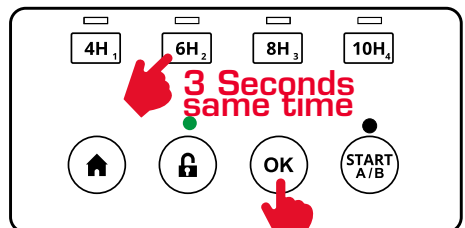
4. To confirm the setting, press the 'OK' button.



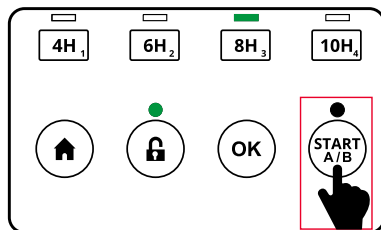
The original duration of the set mowing window will be changed accordingly. The then applicable start time will remain unchanged but the duration will be altered to the indicated number of hours. It is recommended to base the mowing time setting on 8 hours per day for 400m² as a guideline. The selected working time must be adapted to take account of the garden's size and difficulty.

• Resetting the Daily Start Time

1. Press the 'STOP' button on the robot lawn mower to open the Control Panel Cover.
2. Unlock the control panel following the unlock procedure.
3. Press the 'OK' button and the '6H' button simultaneously and hold for 3 seconds. A successful reset will be confirmed with 5 beeps.



4. Press the 'START A/B' button and close the control panel cover to restart the robot lawn mower. The time at which the change was made will become the daily start time. The number of hours shown (8 Hours for example) is the daily work duration (mowing time).



• Starting Procedure

More details of the two areas can be found in the section '**10. SWITCHING ON**' on page 39.

1. Press the 'STOP' button on the robot lawn mower to open the Control Panel Cover.
2. Unlock the control panel following the unlock procedure.
3. Press the 'START A/B' button briefly and close the control panel cover.

The robot lawn mower will now operate in accordance with the mowing time setting. The battery charge level is monitored during the work time and displayed via the battery LED on the control panel. Whenever the battery charge level drops to 30%, the robot lawn mower will automatically return to the charging station when operating in the main area (A). For detailed information on the main area (A) and secondary area (B) can be found in the section '**11. SECONDARY AREAS**' on page 42.

Important!: A reference value of the quality value is needed to operate the robot lawn mower. This reference value is determined as described in the section '**9. INITIALISING**' (on page 36), which is why the robot lawn mower begins initially without its cutting blades operating. If the value was determined already, the robot lawn mower will begin with the starting procedure in accordance with the selected mowing time setting.

• Cancelling the Mowing Operation and STOP Status

1. To bring the robot lawn mower to an immediate stop, press the 'STOP' button.
2. Unlock the control panel following the unlock procedure.
3. Press the 'HOME' button to send the robot lawn mower back to the charging station.
4. Close the control panel cover.

The robot lawn mower will search for the guide cable in order to find the charging station. First it will travel forwards a few meters and then stop in order to re-orientate. This will continue until the robot lawn mower arrives at the guide cable. Then the robot lawn mower will follow the guide cable counterclockwise. Make sure there are no objects lying on the guide cable.

SETUP & PREPARATION (cont.)

2. CONTROLS AND SETTINGS (cont.)

• STOP Status

When you press the 'STOP' button, the robot lawn mower will adopt a 'STOP' status and wait for further instructions. This will be indicated by the time LEDs flashing one after the other. The robot lawn mower will interrupt its mowing until this 'STOP' status is cancelled.

– Resume current mowing operation

By unlocking the robot lawn mower and pressing the button 'START A/B' will send off the robot lawn mower to mow. Close the control panel cover.

– Return the robot mower to the charging station

By unlocking the robot lawn mower and pressing the 'HOME' button will send the robot lawn mower back into the charging station. Close the control panel cover.

– Resume current operation

By unlocking the robot lawn mower and closing the control panel cover within 5 seconds.

– Lock the mower

By unlocking the robot lawn mower and pressing the 'Padlock' button.

• Deleting the Values (Remapping)

If the last time you mowed was a few months ago, e.g. at the end of the previous season, the boundary quality values might have changed. This could lead to mistakes when the new season gets underway. It is recommended therefore to delete the boundary quality value every year at the beginning of the season and to determine a new reference value. This can help to guarantee that the robot lawn mower works safely and reliably.

The robot lawn mower must be in locked mode. The Padlock LED will then flash red permanently. To lock the robot lawn mower you must press the Padlock button. Proceed as follows to delete the values saved for the corresponding areas:

1. Press the 'STOP' button on the robot lawn mower to open the Control Panel Cover and unlock the control panel following the unlock procedure.

– Reference value of the main area (A):

2. Press the 'OK' button and the '10H' button simultaneously and hold for 3 seconds. An acoustic signal will sound.

3. Place the robot lawn mower in the charging station and restart it in order to carry out a new initialisation run.

– Reference value of the secondary area (B):

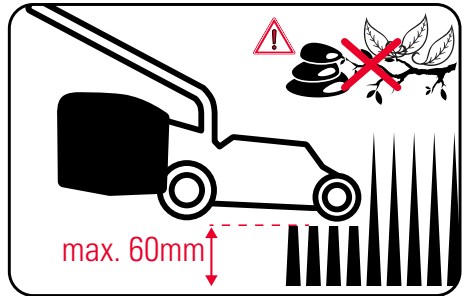
2. Press the 'OK' button and the '8H' button simultaneously and hold for 3 seconds. An acoustic signal will sound.

3. PREPARATION

Grass 60mm or Shorter

If the grass is taller than 60mm (depending on your species of grass) it has to be shortened first to avoid exposing the robot lawn mower to excessive load and adversely affecting its operating efficiency.

1. Use a conventional lawn mower or trimmer to do this. Remove all loose objects from the lawn which could get damaged by the robot lawn mower or cause damage to the robot lawn mower itself.
2. Check the mowing area, the lawn boundary and any areas that you don't want to be mowed.



The following sections of these operating instructions contain information about how you can define precise lawn boundaries and protect specific areas. Some obstacles can be detected by the robot lawn mower in good time and require no elaborate protection.

You may need the following tools (not included) for set up:

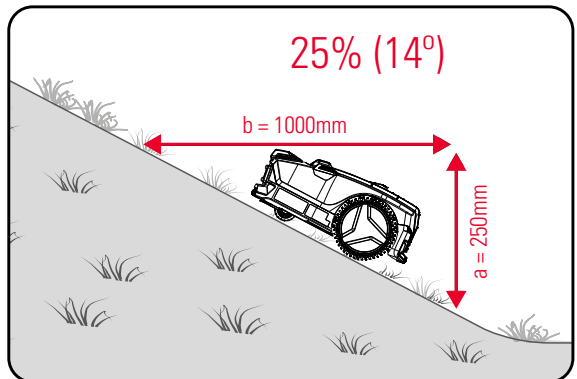
Hammer, Wire cutters and Pliers.

Max. Lawn Area Gradient 25% (14°)

The robot lawn mower can cope with gradients of up to 25% (14°). You therefore need to avoid steeper gradients. The gradient can be determined on the basis of height divided by distance.

Example:

$$a/b = 250\text{mm}/1000\text{mm} = 25\%$$

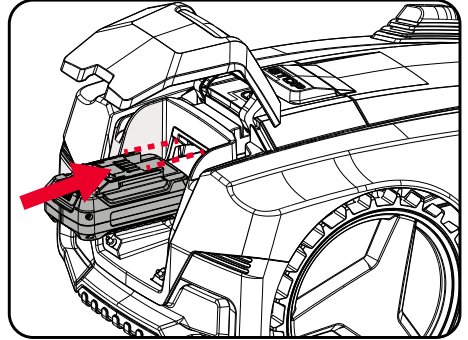


SETUP & PREPARATION (cont.)

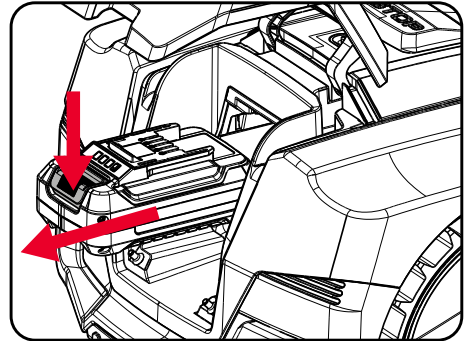
3. PREPARATION (cont.)

Fitting & Removing the Battery

1. Carefully lift open the battery cover and slide the battery into the robot lawn mower aligning the ribs so that it clicks into place.
2. Close the battery cover and ensure that it latches in place correctly.



3. To remove the battery, carefully lift open the battery cover. Press and hold the battery release tab as you remove the battery.
4. Close the battery cover and ensure that it latches in place correctly.

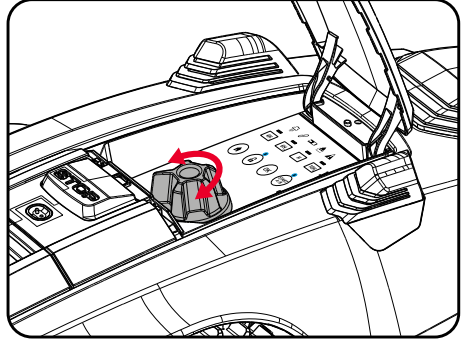


Adjusting the Cutting Height

1. Press the 'STOP' button on the robot lawn mower to open the Control Panel Cover and unlock the control panel following the unlock procedure.
2. Rotate the Cutting Height Adjustment dial to select the desired cutting height.

Always start with a higher cutting height and reduce it in small steps until you reach the desired height.

Important!: Adjust the cutting height only when the robot lawn mower has been switched off. Do this by pressing the 'STOP' button.



SETUP & PREPARATION (cont.)

4. THE LAWN MOWING BOUNDARY

The robot lawn mower uses the camera unit to check the boundaries of the mowing area. The camera unit analyses the mowing area lying ahead of it (approx. 1m²). If the robot lawn mower comes up against a boundary of the mowing area, it can use various parameters to determine a boundary quality value.

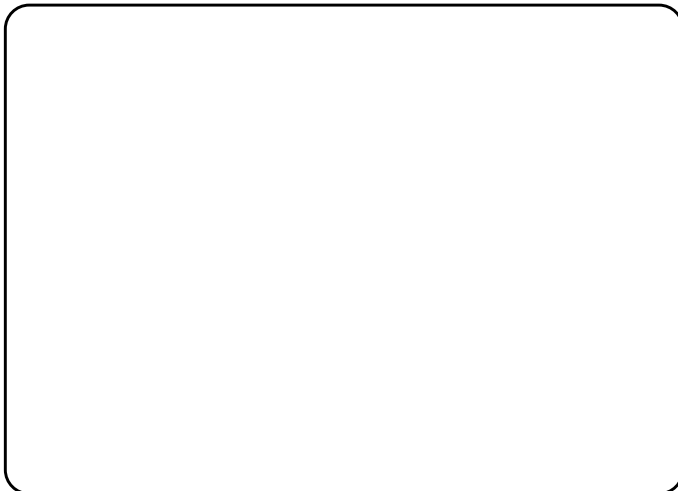
The mowing area must have a precise and fully enclosed lawn boundary. Familiarise yourself with the following definitions of possible lawn boundary types. In each case when the mower encounters these boundary types, the mower will stop in its path and turn so that it can continue mowing in another direction.

Boundary Types

- **Lawn Boundary:**

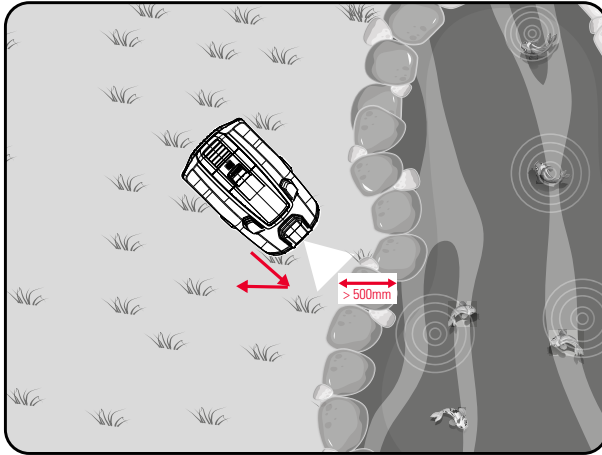
The mower will detect the edge of the grass using its camera unit. The mower will stop 300mm from this boundary and redirect itself to continue.

Check that there is no difference in height at the lawn boundary as the robot lawn mower might travel beyond the exact lawn boundary before it stops and sets off again in a different direction. Deeper lying garden beds or elevated paving edges might result in damage to the robot lawn mower. Check the lawn boundaries regularly because if they become overgrown this could result in the robot lawn mower leaving the mowing area. It is also possible for the lawn boundary to be edged in with flat path stones to create a clear separation from the mowing area.



- **Lawn Boundary with Water:**

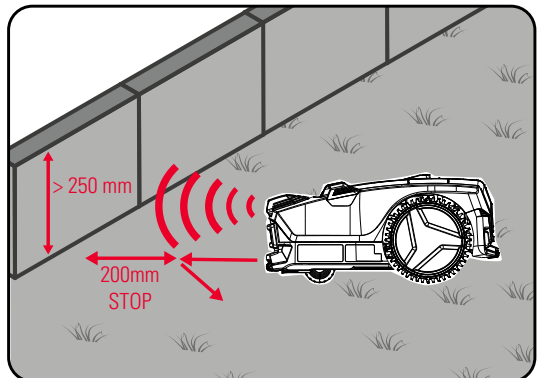
The robot lawn mower will recognise the lawn boundary as described above. However where there is water involved, we recommend protecting the boundary with a raised edge or magnetic tape.



- **Raised Edge 250mm or Higher:**

The mower will detect the raised object with a minimum height of 250mm using it's distance or collision sensors. The mower will stop and redirect itself to continue.

Important!: This means that the robot lawn mower does not mow as far as the lawn boundary but will leave an area of approx. 200mm unmowed.

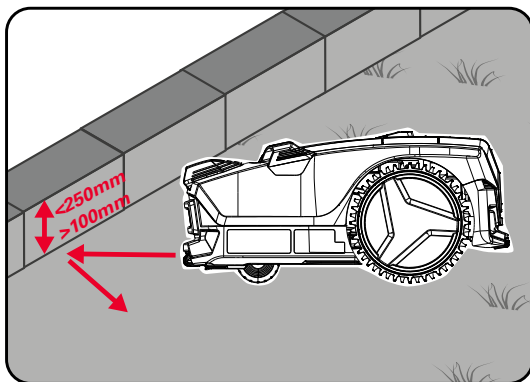


SETUP & PREPARATION (cont.)

4. THE LAWN MOWING BOUNDARY (cont.)

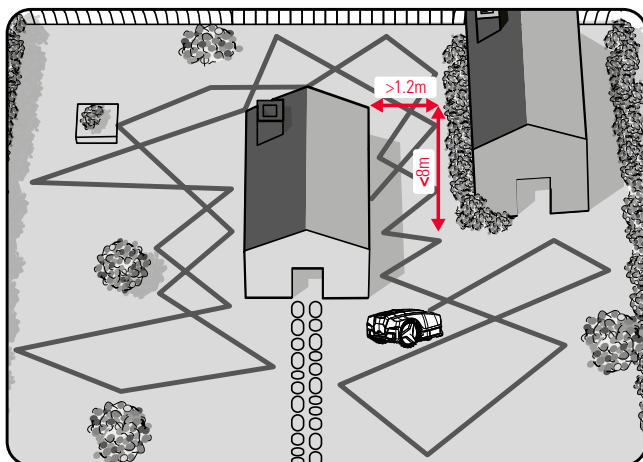
- **Raised Edge 100mm or Higher:**

The robot lawn mower can use the collision sensors to collide with obstacles below 250mm. This function can also be used to define a lawn boundary. In this case make sure that the edging is sturdy and at least 100mm high.



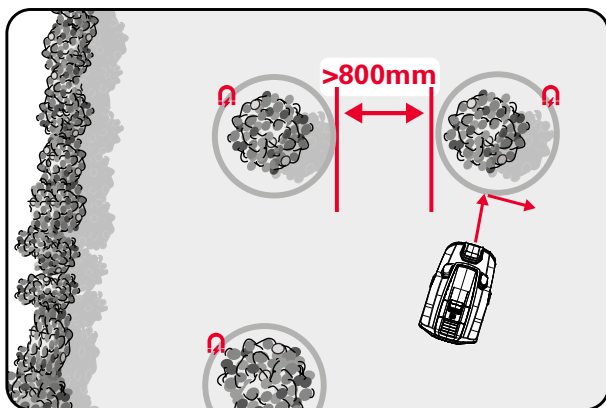
- **Bottlenecks:**

The mower may not be able to operate correctly in narrow areas that are less than 1.2m in width and 8m in length. In the case of long and narrow bottlenecks, the robot lawn mower might no longer be able to find its way back to the charging station. We recommend creating a secondary area (B). For detailed information on the main area (A) and secondary area (B) can be found in the section '**11. SECONDARY AREAS**' on page 42.



Preparing Your Lawn Boundary

1. Start at any point of the lawn boundary and examine the boundary quality based on step 2 below. Follow the boundary line until you arrive back at your starting point. Look for overhanging flowers, plants or branches that may obscure the line of sight of the robot mower and some pruning may be required.
2. If the boundary doesn't match one of the boundary types above, or it has weak optical contrast relative to the mowing areas; such as fences and hedges, then such areas should be protected by Magnetic Tape and/or a physical boundary created.
3. To install Magnetic Tape, lay in position, cut to the required length and then secure down with supplied Ground Fastening Pegs.
For detailed information on using Magnetic Tape **'8 MAGNETIC TAPE'** on page 34.
4. Repeat the same process above for any obstacles or areas that you wish not to be mowed, that are inside the overall lawn boundary.



SETUP & PREPARATION (cont.)

5. CHARGING STATION & GUIDE CABLE

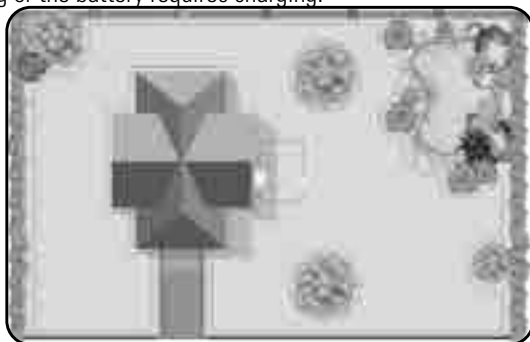


WARNING! DO NOT PLUG POWER ADAPTOR INTO POWER SOURCE OR SWITCH ON UNTIL INSTALLATION OF CHARGING STATION AND GUIDE CABLE IS SATISFACTORILY COMPLETED.

The Charging Station and Guide Cable will be used to create a search loop for the Robot Lawn Mower to return to when finished mowing or the battery requires charging.

1. Find a suitable location for the charging station. You need an approved outdoor weatherproof power outlet with a permanent supply of electricity so that the robot lawn mower can charge at all times when needed.

Note: The power cable for the charging station should not be laid inside the mowing area. If it is, it will need to be buried to avoid it being damaged by the robot lawn mower.



The lawn area should satisfy the following criteria:

- Charging station must be placed on a flat area on level with the turf.
 - Area must be flat and dry.
 - Needs to be an open area free of obstacles which is as accessible as possible from all directions.
 - Ensure the charging station is positioned at the edge of the mowing area.
 - Avoid positioning the charging station in hard-to-reach corners or in areas that can be reached only through bottlenecks.
 - Maximum distance from the charging station to a lawn boundary should not exceed 100m, (150m max). To guarantee efficient and automatic mowing it is recommended to restrict the distance from the lawn boundary to the charging station to 50m. As the distance from the charging station increases, it is possible that the robot lawn mower will no longer have enough battery power for it to return to the charging station. Use a battery with greater capacity for larger mowing areas.
 - Should be a shaded location to allow for charging in cool surroundings.
 - Charging Station should be positioned under the open sky.
 - Avoid areas near tall buildings or trees (tall objects may hinder the Global Navigation System).
 - The location should allow for an area of 5m² free of obstacles.
2. Position the charging station together with the guide cable in your selected lawn position that satisfies the above criteria and install the search loop.

Installing the Search Loop

The guide cable can be laid both on the ground and in the ground. The pegs might break while they are being hammered into hard or dry ground. If the ground is very dry, water the lawn before installing the guide cable. Avoid situations in which the guide cable is not actually lying on the ground. Make sure that the guide cable cannot be severed by the robot lawn mower. While the robot lawn mower is mowing, it will travel with its activated mower unit over the guide cable.

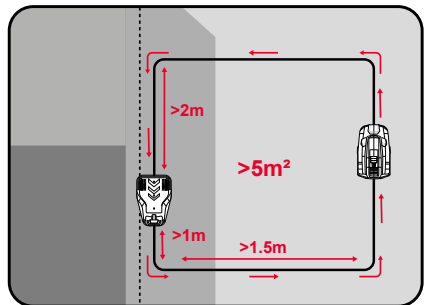
If you decide to bury the guide cable in the ground, bury the guide cable in the ground at a depth of up to 50mm. This will prevent damage to the guide cable during for example scarifying or aeration.

1. Lay the Guide Cable out in a square-like shape starting from the front of the charging station and then ending at the back of the charging station.

Note: We recommend using the entire length of guide cable.

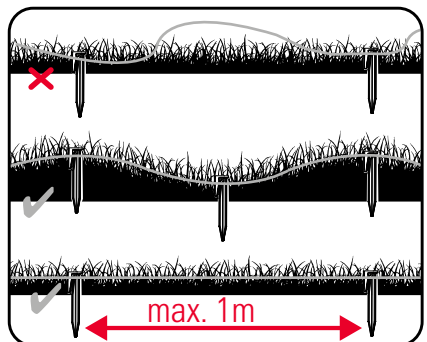
You must satisfy the following criteria:

- The Guide Cable should extend in a straight line for at least 2m leading into the Charging Station and at least 1m behind.
- Corners of the guide loop must NOT be square but should have a soft radius (curve).
- No curves immediately in front of the Charging Station. Curves immediately in front of the charging station base cause problems when the Robot Lawn Mower is docking.



2. You secure the Guide Cable by hammering in the Ground Fastening Pegs a maximum of 1m spacing between pegs. Avoid situations in which the cable is not actually lying on the ground. Make sure that the guide cable cannot be severed by the robot lawn mower.

Note: Adjust the position of the guide cable during the first weeks of using the robot lawn mower. In the course of time, however, the guide cable will become overgrown with grass and will be no longer visible.

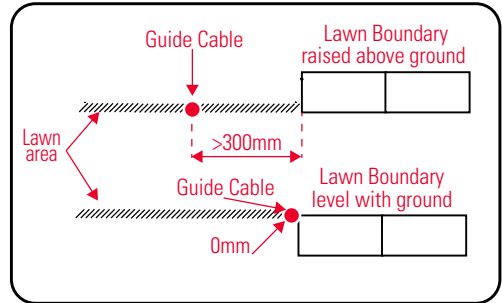


SETUP & PREPARATION (cont.)

5. CHARGING STATION & GUIDE CABLE (cont.)

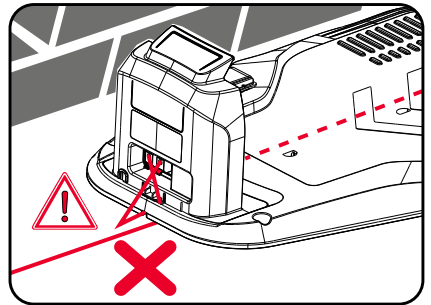
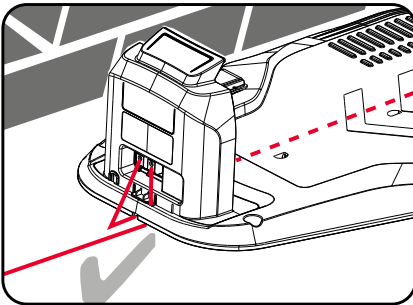
- Using the supplied 300mm ruler, ensure that the entire length of the guide cable has at least a 300mm gap left and right of any obstacles or lawn boundaries.

Important!: The distance between two guide cables should be larger than 1.5m and the entire guide cable should enclose a minimum area of 5m².



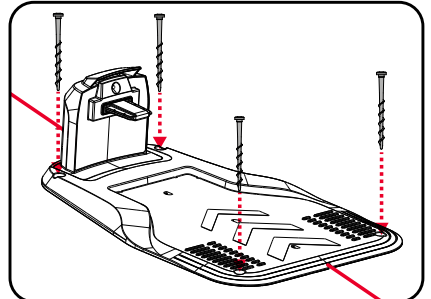
- With the end of the guide cable that leads into the Charging Station, run to the back via the cable holders on the underside. Then secure this wire into the left black connector.
- Pass the other end of the guide cable through the hole and connect it to the red connector on the right.

Important!: The guide cable is not allowed to cross over itself.



- Secure the Charging Station base using the four Ground Anchor Screws with the supplied Hex key.

Important!: The Guide Cable is not always laid along the lawn boundary, it is important to make a note of where the guide cable is positioned so that it is not damaged during future garden projects. Make a drawing or take photos to document the arrangement. If the guide cable is not buried in the ground you should not scarify or aerate near the guide cable so as to avoid damaging it.



6. CALIBRATION & INITIAL CHARGE

The Robot Lawn Mower must calibrate the position of the Charging Station with the help of the Global Navigation Satellite System (GNSS) in order to find its way back to the search loop and to the Charging Station.

- When the battery is almost empty, the robot lawn mower will return to the charging station by following the guide cable.
- The robot lawn mower compares its actual position with the calibrated position of the charging station in regular intervals with the help of GNSS.
- The robot lawn mower travels in the direction of the charging station and looks for the guide cable in several steps. As it does so, the robot lawn mower stops now and again before setting off if necessary in a different direction in order to reach the guide cable.
- When the robot lawn mower gets near to the guide cable it will begin to detect its position with the help of rotary movements and the strength of the signal transmitted by the guide cable.
- If the robot lawn mower comes across an obstacle or a lawn boundary while mowing, this position will be saved. The map produced as the result helps the robot lawn mower to find the charging station more quickly. When the robot lawn mower reaches the guide cable it will follow it counter-clockwise to the charging station. Make sure that the charging station faces in the right direction when you position it.

Calibrating the GNSS

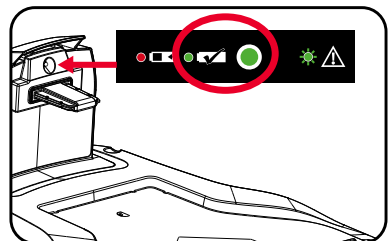
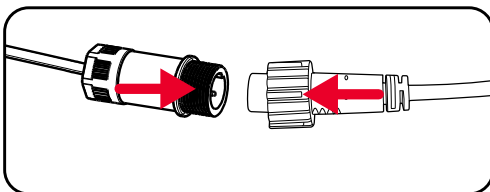


WARNING! THE AC CHARGING ADAPTOR MUST BE PROTECTED BY A RESIDUAL CURRENT DEVICE RATED AT 30mA OR LESS.



WARNING! DO NOT COVER OR PLACE ANY OBJECT ON TOP OF THE AC CHARGING ADAPTOR. PLACE THE AC CHARGING ADAPTOR AWAY FROM HEAT SOURCES.

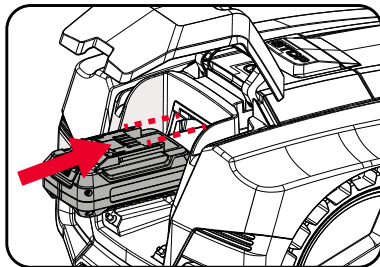
1. Connect the AC Charging Adapter to the Charging Station. Plug the AC Charging Adapter into approved outdoor weatherproof power outlet and switch on. The green light on the charging station will illuminate to indicate a correct search loop setup. If green LED is flashing this means the wire loop created doesn't have a good connection and you need to disconnect the power and check the connections.



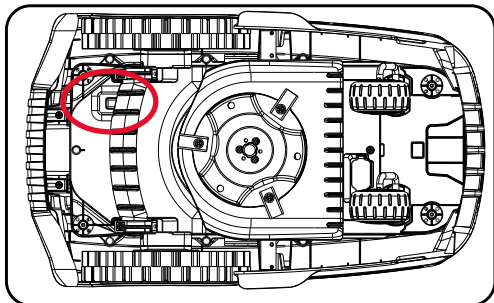
SETUP & PREPARATION (cont.)

6. CALIBRATION & INITIAL CHARGE (cont.)

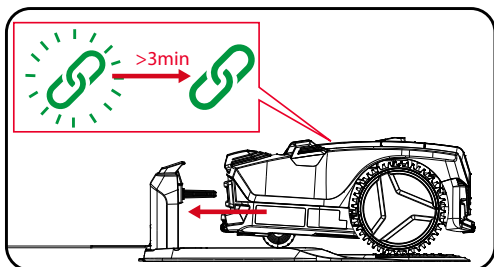
2. Open the battery cover and insert the 18V battery into the Robot Mower.



3. Press the Main Switch into the ON (I) position. This switch is accessed from underneath the Robot Mower.



4. Place the Robot Mower onto its Charging Station, push forward fully so the charging pins make contact with the Robot Mower.



5. The GNSS LED light on the Robot Mower will flash green, indicating the calibration process is in progress. This will take several minutes.

6. Once the GNSS calibration process is complete, the GNSS LED light will glow continuously.

Charging Information



WARNING! DO NOT USE THE POWER SUPPLY UNIT IF IT IS DAMAGED. IN THE EVENT OF ANY DAMAGE TO CABLES OR THE POWER SUPPLY UNIT, CONTACT AN AUTHORIZED PROFESSIONAL IMMEDIATELY FOR REPLACEMENT



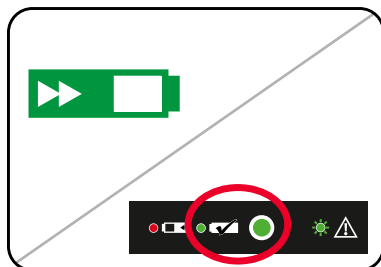
WARNING!

- DO NOT CHARGE THE ROBOT LAWN MOWER IN A DAMP LOCATION.
- DO NOT CHARGE THE ROBOT LAWN MOWER AT TEMPERATURES ABOVE 40°C OR BELOW 5°C.
- KEEP THE ROBOT LAWN MOWER AND THE POWER SUPPLY UNIT AWAY FROM WATER, SOURCES OF HEAT AND CHEMICALS.
- KEEP THE CABLE OF THE POWER SUPPLY UNIT AWAY FROM SHARP EDGES IN ORDER TO PREVENT DAMAGE.
- THE ROBOT LAWN MOWER, CHARGING STATION AND THE POWER SUPPLY UNIT MUST BE PROTECTED FROM EXPOSURE TO RAIN AND DIRECT SUNLIGHT ESPECIALLY DURING CHARGING. IT IS RECOMMENDED TO PURCHASE THE GARAGE (PXGAR-500) FOR THIS PURPOSE.

The robot lawn mower will return to the charging station in each of the following situations:

- You send the robot lawn mower back manually.
- The battery charge level drops below 30%.
- The end of the daily work time has been reached.
- The rain sensor has tripped.
- The robot lawn mower has become overheated.
- When twilight falls, making it impossible for the camera unit to work correctly.

In this case the robot lawn mower looks for the guide cable and then travels automatically counter-clockwise along the guide cable as far as the charging station. While the battery is being charged, the Battery LED of the robot lawn mower will flash green. When the battery is fully charged, the Battery LED and the LED at the charging station will light up green. Once it has been fully charged, the robot lawn mower will resume operation or remain in the charging station until the next work time window.



SETUP & PREPARATION (cont.)

6. CALIBRATION & INITIAL CHARGE (cont.)

If there is an obstacle on the guide cable during the trip back to the charging station, the robot lawn mower will come to a stop in front of the obstacle after several attempts and will not be able to get back to the charging station. Remove all obstacles on the guide cable. If the temperature of the battery exceeds 45°C, charging will stop in order to prevent damage to the battery. Charging will resume automatically once the temperature has dropped again.

If the temperature of the robot lawn mower controller exceeds 65°C, the robot lawn mower will return to the charging station. Operation will resume in accordance with the settings once the temperature has dropped again. If the battery becomes empty before the robot lawn mower has returned to the charging station, the robot lawn mower will be unable to start up again. Bring the robot lawn mower back to the charging station and leave the main switch in the ON position. The robot lawn mower will charge automatically.

Note: In normal operation the battery of the robot lawn mower is charged via the charging station. For independent use of the battery from the Power-X-Change series it can also be charged in any of the external Power-X-Change chargers.

Mapping

When the robot lawn mower needs to return to the charging station, it determines its distance to the charging station with the help of the GNSS module. If the robot lawn mower comes up against a garden boundary or any obstacles on its way to the charging station, it will save its position and the mowing area will be mapped. This will help the robot lawn mower to return to the charging station faster in future use.

• Deleting the Maps

To delete all the GNSS data on your robot lawn mower:

1. Press the "STOP" button on the robot lawn mower to open the Control Panel Cover.
2. Unlock the robot lawn mower using the PIN, and confirm your entry with the 'OK' button.
3. Press the "OK" button and the "10H" button simultaneously and hold for 3 seconds.

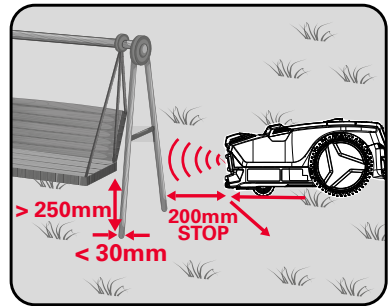
If you carry out any major alterations to the mowing area in your garden it is recommendable to delete the robot lawn mower's mapping. Particular during hot summer months, a large number of yellowed or brown lawn patches may appear and could have a detrimental effect on the way the robot lawn mower works. In such cases we recommend you to refrain from using automatic mode and to switch instead to using secondary area mode in suitable parts of the garden. However, this might also lead to corruption of the mapping so that the robot lawn mower is no longer able to work correctly. In such cases: delete the mapping.

7. OBSTACLES IN THE MOWING AREA

Obstacles are objects in the mowing area can sometimes be thick matted grass areas which the robot lawn mower considers an obstacle and should be addressed, to remove this which can often mean lower mowing or scarifying. The robot lawn mower can recognise many obstacles by means of the sensors. Soft, unstable and valuable objects must be protected where necessary. See the section '**4. THE LAWN MOWING BOUNDARY**' on page 22.

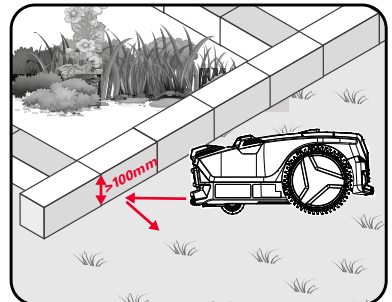
Obstacles over 250mm in Height

Solid obstacles which are over 250mm in height and have a minimum width of 30mm, e.g. trees, walls, fences, garden furniture, etc., are detected by the distance sensors. If the robot lawn mower comes up against an obstacle, it will stop and continue mowing in a different direction. In this case the area stretching approx. 200mm around the obstacle will not be mowed.



Obstacles under 250mm in Height

If an obstacle is not recognized by the Distance sensor or Camera sensor it may collide and trigger the Collision sensors. The robot lawn mower will stop and continue mowing in a different direction. The obstacles must have a height of at least 100mm. Protect sensitive and unstable objects with all-round edging.



Stones and Obstacles under 100mm in Height

Stones, rocks and low obstacles with a less than 90 degree edge under 100mm in the mowing area need to be protected otherwise the robot lawn mower could run over them. If not, this could result in the robot lawn mower getting damaged or blocked. The robot lawn mower treats trees as obstacles. However, where any tree roots project above the ground to a height of less than 100mm, the area in which they are located needs to be protected. This will prevent damage to the roots and to the robot lawn mower.

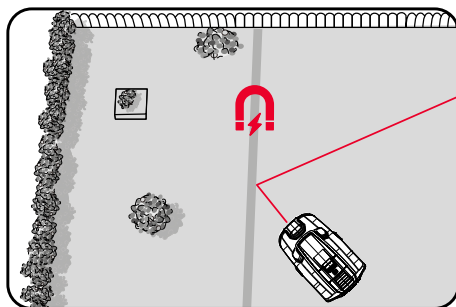
SETUP & PREPARATION (cont.)

8. MAGNETIC TAPE

Obstacles such as fences and hedges which poorly reflect the distance signal transmitted by the robot lawn mower are not detected in part or only very late. Obstacles with a weak optical contrast relative to the mowing areas can also be difficult to recognize. Such areas can be protected by magnetic tape as a safe and contact-free means of getting the robot lawn mower to change its direction.

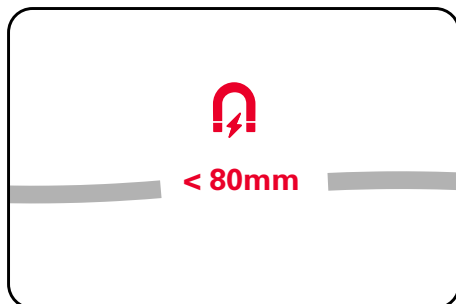
The magnetic tape serves as a mobile and temporary boundary in the mowing area. The magnet sensors installed in the robot lawn mower detect the magnetic tape and turn away at its limits. In this way you can separate off parts of the garden which are off limits, for example:

- Short-term separation of a part of the garden for a family gathering where the robot lawn mower is not allowed to enter.
- Placement of a trampoline or swimming-pool in the mowing area over the summer months.
- A recently planted tree is still very sensitive and is best protected at an early stage from collisions with the robot lawn mower.
- A seasonal flower meadow is planned to attract insects. This area is off-limits for the robot lawn mower and needs to be protected from the outset.
- A new lawn has been sown in one area and you want to protect this area initially. The subsoil is still not firm and you want to wait for strong turf to form.

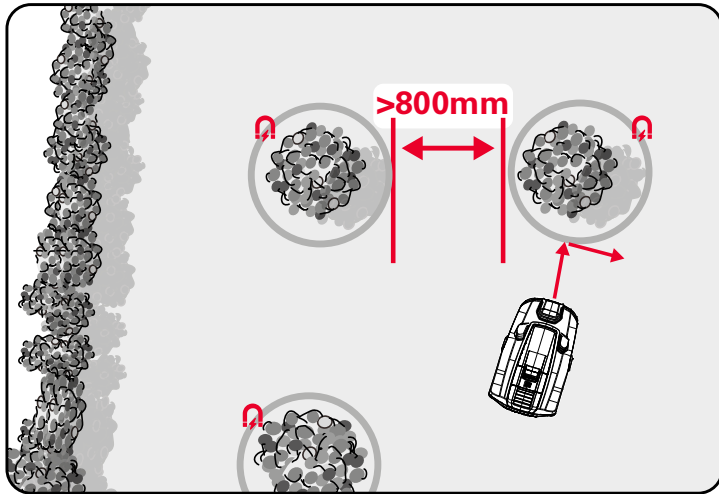


1. Lay the magnetic tape a few centimetres away from the area or object in question. Shorten the magnetic tape to suit your requirements (500mm minimum length).

Important!: To enable a boundary made up of several magnetic tape elements to be recognized reliably, the maximum distance between the respective ends should not exceed 80mm. Make sure that the outer boundary of the mowing area is defined by an optical or physical separation.



2. Use the pegs to fasten the magnetic tape to the ground, spacing each peg a maximum of 1m apart. The magnetic tape can be installed both on the ground and at a depth of approx. 50mm in the ground.



Important!: Keep a distance of at least 800mm away from the guide cable and between two independent boundary areas so that the robot lawn mower can travel through without difficulty.

Important!: Avoid laying the magnetic tape on gradients because in such cases there is a risk of the robot lawn mower slipping out over the boundary area and the boundary not being recognized. Take care not to lay the magnetic tape too deep in the ground because then there is no longer any guarantee that it will be recognized by the robot lawn mower.

9. INITIALISING

First Initialising Run

The mower uses its first run to map out the boundaries of your lawn. The mower will only begin cutting when an area has been mapped. Depending on the size of your lawn, the initialising run may take several hours and in the case of very large lawns may also require multiple runs in order to recharge the battery.

For reliable determination of the reference value the robot mower needs to create at least 200 contacts points or locations within the boundary of the mowing area. The boundary quality value is checked for its reliability after 200 contacts and will continue to map the area until it has quality mapping data.

Note: The robot lawn mower indicates the quality of a lawn boundary both in the initialisation run and during mowing.

During the initialising run the robot lawn mower:

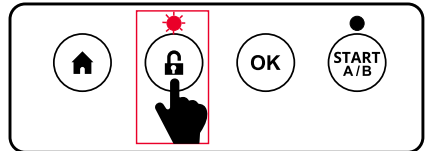
- Will determine the mowing area boundaries, an individual reference value per mowing area will be created for the robot lawn mower's operation.
- To determine the reference value the robot lawn mower moves as usual in a random direction within the mowing area.
- If the robot lawn mower comes up against a boundary or an obstacle, it will stop and evaluate the mowing area ahead of it. Then the robot lawn mower will start moving again in a random direction.
- If the robot lawn mower comes up against a boundary of the mowing area, this boundary will be evaluated and the Guide Cable LED will light up. Green signals a reliable boundary of the mowing area and yellow signals an unreliable boundary.
- If one battery charge is not enough for the initialising run, the robot lawn mower will automatically return to the charging station and continue its run after charging.

Important!: If there was no success in creating a reliable reference value, the robot lawn mower will stop and the Guide Cable LED on the Control Panel will flash red (see '**Guide Cable LED**' on page 38). Check the boundaries of the mowing area and correct the boundaries which do not differ clearly from the mowing area. Make sure that the mowing area differs clearly from the surrounding area. Now delete the existing reference value (see '**Mapping - Deleting the Maps**' on page 32) and then repeat the initialisation.

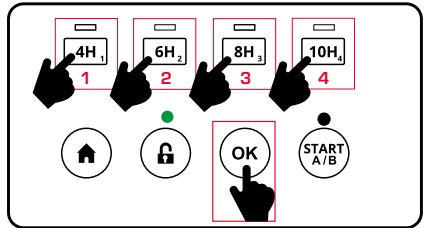
1. Press the 'STOP' button on the Robot Lawn Mower to open the Control Panel Cover.

2. Press the 'Padlock' button to unlock the control panel.

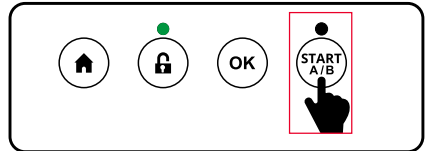
Note: LED illuminated and Beep notification when key pad pressed correctly.



3. Enter the PIN slowly in sequence and confirm the entry with the 'OK' button. The control functions will be unlocked and the Padlock LED will illuminate green confirming the correct code was entered.



4. Press the 'Start A/B' briefly. Close the control panel cover and the mower will start to operate.



Depending on the size of your lawn, the initialising run may take several hours and in the case of very large lawns may also require multiple runs in order to map and recharge the battery.

When the initialising run is successfully completed, the mower will begin to mow the lawn in accordance with the mowing time setting (e.g. 4 hours of mapping/mowing at the time you pressed the Start A/B button).

OPERATION (cont.)

9. INITIALISING (cont.)

Guide Cable LED

When the robot lawn mower is in automatic mode, it checks in regular intervals whether the current boundary quality value of the mowing area has changed compared to its reference value. As soon as the robot lawn mower is in the charging station, the corresponding status of the last determined comparative boundary quality value will be displayed via the Guide Cable LED. See below possible outcomes as this value is compared at the same time with the reference value determined during the initialisation run.

- **Guide cable LED Green**

The robot lawn mower is situated in the charging station or near the search loop and the deviation from the reference quality value is small.

- **Guide cable LED Flashes Yellow**

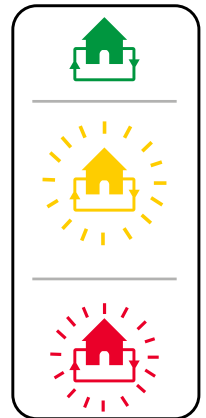
The robot lawn mower is situated in the charging station or within the search loop and the deviation from the reference quality value has worsened.

- **Guide cable LED Flashes Red**

The robot lawn mower is situated in the charging station or inside the search loop and the deviation from the reference quality value is too big. The robot lawn mower stays in the charging station. Check the boundaries of the mowing area. Then delete the reference value (see '**Mapping - Deleting the Maps**' on page 32) and carry out a new initialisation of the boundary quality value.

- **Guide cable LED Off**

- (a) The guide cable is not connected correctly or has been damaged.
- (b) The power supply to the charging station has been interrupted.
- (c) The robot lawn mower is situated outside the search loop.

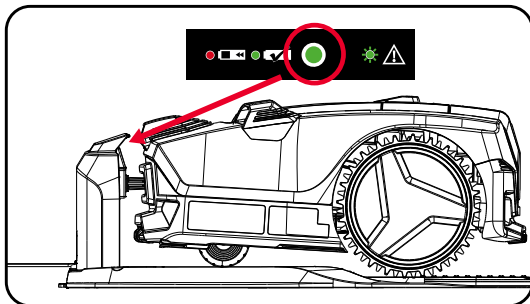


10. SWITCHING ON

Checking the Installation of the Guide Cable and Charging Station

When the LED on the charging station lights up green, the mowing area is ready for the robot lawn mower. If the Green led is flashing there is something wrong with the loop connection.

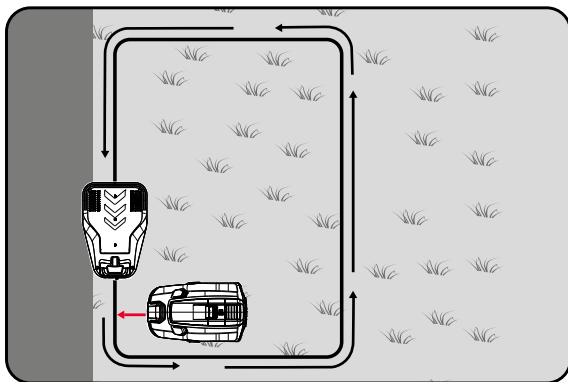
1. Do a double check that all the Ground Fastening Pegs for the Guide Cable have been fully tapped in.



2. Remove the robot mower from the charging station and place in the search loop a short distance behind the charging station.

To check as far as possible the complete distance of the guide cable: The robot lawn mower should not yet be on the guide cable but should be facing the guide cable.

3. Switch the Main Switch ON (I).
4. Open the control panel cover and press the "Padlock" button.
5. Unlock the robot lawn mower using the PIN, and confirm your entry with the "OK" button.
6. Press the "HOME" button, then close the control panel cover.



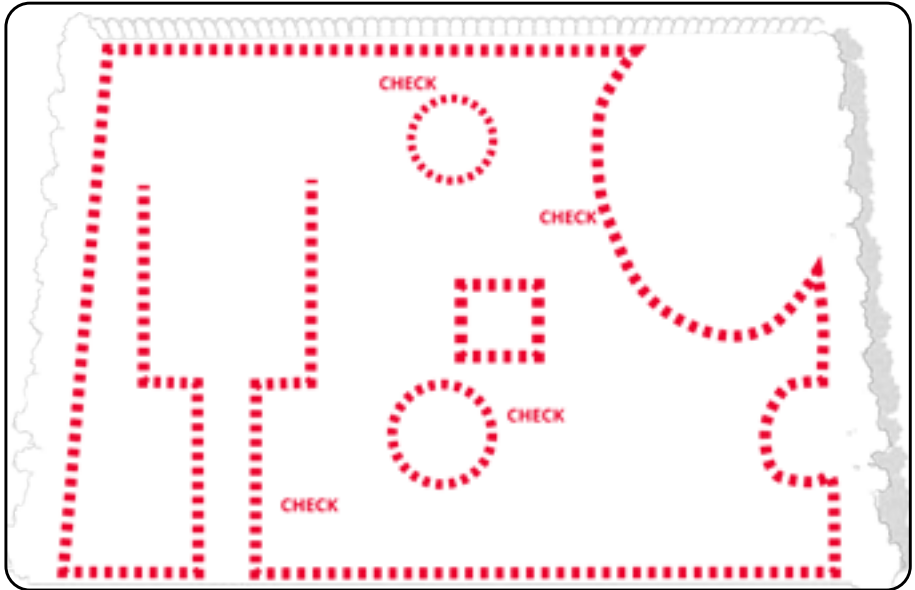
Now the robot lawn mower will search for the guide cable in order to find the charging station. First it will travel forwards until it arrives at the guide cable. Depending on the situation the robot lawn mower might stop briefly beforehand in order to re-orientate. Then the robot lawn mower will follow the guide cable counterclockwise. Make sure there are no objects lying on the guide cable. The battery of the robot lawn mower will begin charging until full. If any problems occur with docking, you might need to adjust the orientation of the charging station until docking works without any problems.

OPERATION (cont.)

10. SWITCHING ON (cont.)

Checking the Mowing Area

Evaluate the boundaries of your lawn realising that your mower detects , green grass, contrasting colours, physical edges and the camera vision may be confused by branches, overhanging grass or plants. Walk the entire boundary with line trimmer or other tools to remove any confusion for your mower.



Checking the position of the Charging Station

Check the position of the charging station by positioning the robot lawn mower at various points of the lawn after mapping calibration is completed and have the mower search for the charging station.

Note: The robot mower will search for charging base using GNSS and may require time to return to charging station.

1. Open the control panel cover.
2. Unlock the robot lawn mower using the PIN, and confirm your entry with the 'OK' button.
3. Press the 'HOME' button and close the control panel cover.

You can interrupt the process at any time with the help of the 'STOP' button.



OPERATION (cont.)

11. SECONDARY AREAS

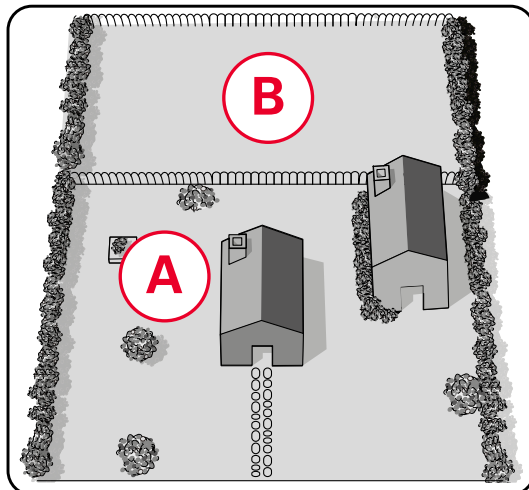
Main Area and Secondary Area

Secondary area (B) refers to a work area that is not directly connected to the main area (A), Area B is defined as an area where there is a partition in the mowing area like a fence, path, stepping stones or garden edging that stops the mower being able to return to area A. To be able to mow the secondary area (B) you must carry the robot lawn mower manually into the secondary area (B). When the robot lawn mower is in the secondary area (B) it will not try to return to the charging station if the battery charge level is low. The robot lawn mower will mow until the battery is empty. Then you must either replace with a charged battery or carry the robot lawn mower back to the charging station in area (A).

1. Place the robot mower in the secondary area (B).
2. Press the Main Switch to the ON (I) position. This switch is accessed from underneath the Robot Mower.
3. Start the robot lawn mower there by pressing the "START A/B" button 5 seconds. Then close the control panel cover.

Note: When the secondary B mode is activated the A/B led indicator will continuously flash green while in operation.

Important!: The mower's distance from the charging station is irrelevant for operation in Secondary Area B mode.





Operating in Additional Areas

For use in additional new areas, you must delete secondary are B mapping sequence.

TROUBLESHOOTING

Requesting a new PIN if you lose it

Contact Ozito Customer Service for instructions on how to receive and reset your PIN.

Have your receipt and the serial number of the robot lawn mower ready as you need them in order to get your PIN.

Charging Station		
Fault	Possible cause	Remedy
LED Off	No power supply.	Check the power supply.
LED Flashing green	The guide cable is severed.	Examine the guide cable for a break.
LED Illuminated Red	The battery is being charged.	Wait until the battery is fully charged.

Robot Lawn Mower

Fault	Possible cause	Remedy
Rain Sensor LED Flashing YELLOW	Robot lawn mower is wet.	Wait until robot lawn mower is dry.
		Dry the robot mower - use a towel, blower etc.
GNSS LED Flashing GREEN	The robot lawn mower searches for a GNSS connection and calibrates the position of the charging station.	Wait for calibration to end.
	The GNSS signal is not precise.	If the GNSS LED flashes permanently, the received signal is very weak (blocked by a building or tree) and the position of the charging station should be adapted.
GNSS LED Illuminated GREEN	The robot lawn mower has calibrated the position of the charging station with the help of GNSS.	The robot lawn mower is ready.
	The GNSS signal is precise.	The robot lawn mower is ready.
GNSS LED Flashing YELLOW	There is no GNSS signal.	Make sure that the robot lawn mower is outside and that the GNSS signal is not being blocked.
		Turn off main switch OFF (0) - wait 15 seconds then turn back ON (1) to restart the robot lawn mower.
GNSS LED Illuminated YELLOW	The robot lawn mower is too far from the charging station.	Move the robot lawn mower into the mowing area which is near the charging station.
		Switch off the main switch OFF (0) and then switch it back on again ON (1) to restart the robot lawn mower.
GNSS LED Illuminated RED	Hardware fault on the GNSS module.	Contact Ozito Customer Service.
Battery LED Illuminated GREEN	The battery is fully charged.	The robot lawn mower is ready.
Battery LED Illuminated RED	The charge state of the battery is low.	The robot lawn mower will travel to the charging station in order to charge the battery.
Battery LED Flashing GREEN	The battery is being charged.	The robot lawn mower travels to the charging station in order to charge the battery.
Battery LED Flashing RED	Battery fault.	Make sure the battery is correctly fitted.
	Battery cannot be charged.	Check whether the main switch is switched ON (1) while the robot lawn mower is in the charging station.
	Battery is dead.	Replace the battery if necessary.
Battery LED Illuminated YELLOW	The temperature of the battery is too high/too low or the controller is overheated.	Set the work time in summer to the early hours of morning and avoid running the robot lawn mower during the hours of the day when it is hot.
	If the battery temperature exceeds 65°C, the robot lawn mower will return to the charging station.	After the battery or controller has cooled down to the permissible temperature range, the robot lawn mower automatically returns to programmed operation.
	If the battery temperature exceeds 45°C or drops below 0°C, charging will be stopped and the robot lawn mower will wait at the charging station.	After the battery or controller has cooled down to the permissible temperature range, the robot lawn mower automatically returns to programmed operation.

TROUBLESHOOTING (cont.)

Robot Lawn Mower (cont.)		
Fault	Possible cause	Remedy
Guide Cable LED Illuminated GREEN	The robot lawn mower is situated in the charging station or near the search loop and the deviation from the reference quality value is small.	The robot lawn mower is ready.
Guide Cable LED Flashing YELLOW	The robot lawn mower is situated in the charging station or within the search loop and the deviation from the reference quality value has worsened.	The robot lawn mower is ready. If necessary check the boundaries of the mowing area as they might become worse. The robot lawn mower is then unable to continue working.
Guide Cable LED Flashing RED	The robot lawn mower is situated in the charging station or inside the search loop and the deviation from the reference quality value is too big. The robot lawn mower stays in the charging station.	Check the boundaries of the mowing area. Then delete the reference value and carry out a new initialisation of the boundary quality value.
Guide Cable LED Illuminated RED	The robot lawn mower does not receive a signal from the camera unit..	Switch off the main switch OFF (0) and then switch it back on ON (1) again to restart the robot lawn mower.
Guide Cable LED is Off	The guide cable has been damaged.	Check whether the LED on the charging station is illuminated green. Make sure that the guide cable is laid correctly and centrally underneath the charging station.
	The power supply to the charging station has been interrupted.	Check the position of the charging station.
	The robot lawn mower is situated outside the search loop.	Check the position of the charging station.
Alarm LED Illuminated YELLOW	The mower is lifted. The lifting sensor has been continually tripped for 10 seconds.	Press the "STOP" button in order to open the control panel cover. Re-start the mowing operation on the control panel: - If this fault occurs frequently, check the mowing area for obstacles taller than 10cm and either remove them or separate them from the mowing area.
	The mower is blocked. The obstacle sensor has been activated several times in one minute.	Press the "STOP" button in order to open the control panel cover. Re-start the mowing operation on the control panel. Check whether the robot lawn mower is blocked by an obstacle or jammed between trees, bushes, etc. Remove the obstacle or avoid this area.
	The mower is blocked. The obstacle sensor has been constantly activated for 10 seconds.	Press the "STOP" button in order to open the control panel cover. If this fault occurs frequently, check the mowing area. Pay particular attention to tight angles, corridors, fences, rocks, etc.
	The mower is blocked. The obstacle sensor has been activated three times on the way back to the charging station.	Press the "STOP" button in order to open the control panel cover. Check whether the grass is too tall and blocks the robot lawn mower. If this is the case, mow the grass to below 60mm.
	Too close to the station. The robot lawn mower was sent back too close to the charging station.	Press the "STOP" button in order to open the control panel cover. Re-start the mowing operation on the control panel. The robot lawn mower should be sent back to the charging station at a minimum distance of 2m.
	The robot lawn mower was constantly tilted for 10 seconds.	Press the "STOP" button in order to open the control panel cover. Re-start the mowing operation on the control panel. Move the robot lawn mower to a level area and restart it.
	The robot lawn mower has been tilted for a long time in one direction.	Press the "STOP" button in order to open the control panel cover. Re-start the mowing operation on the control panel. If the robot lawn mower is tilted because of a steep slope in the mowing area, separate this area in order to avoid severe inclines.

Robot Lawn Mower (cont.)

Fault	Possible cause	Remedy
Alarm LED Illuminated YELLOW	Wheel fault. The rear wheels were lifted by an obstacle.	Press the "STOP" button in order to open the control panel cover. Re-start the mowing operation on the control panel. Move the robot lawn mower to a level area and restart.
	Wheel fault. The rear wheels can rotate freely due to unevenness in the lawn.	Press the "STOP" button in order to open the control panel cover. Re-start the mowing operation on the control panel. Move the robot lawn mower to a level area and restart.
	"STOP" button fault. The control panel cover is open and a button on the control panel was pressed but the "STOP" button was not activated.	Press the "STOP" button in order to open the control panel cover. Re-start the mowing operation on the control panel. Check if the control panel cover can be freely opened and closed with the "STOP" button.
		Press the "STOP" button in order to open the control panel cover. Re-start the mowing operation on the control panel. Check the functionality of the "STOP" button.
	The robot lawn mower cannot recognize any lawn area or lawn boundaries and lies outside the mowing area.	Press the "STOP" button in order to open the control panel cover. Re-start the mowing operation on the control panel. Check that the robot lawn mower is inside the mowing area.
Alarm LED Illuminated RED	Sensor fault. The robot lawn mower was stopped due to a sensor fault.	Switch off the main switch OFF (0) and then switch it back ON (1) again to restart the robot lawn mower.
	Motor fault / motor over-current. The robot lawn mower has come to a stop because of over-current in the motor or because of a motor fault.	Switch off the main switch OFF (0) and then switch it back ON (1) again to restart the robot lawn mower. Increase the cutting height. Always start with a higher cutting height and reduce it in small steps until you reach the desired height.
		Switch off the main switch OFF (0) and then switch it back ON (1) again to restart the robot lawn mower. Check the height of the grass in the mowing area and, if necessary, mow the grass to below 60mm using a conventional lawn mower.
		Switch off the main switch OFF (0) and then switch it back ON (1) again to restart the robot lawn mower. Inspect the blade plates and wheels for dirt and give these parts a thorough clean.
		Switch off the main switch OFF (0) and then switch it back ON (1) again to restart the robot lawn mower. Check the rear wheels and the blade plate for blockages. If you are unable to remove the blockages, contact Ozito Customer Service.
	Operating fault. The robot lawn mower was stopped due to an operating fault.	Switch off the main switch OFF (0) and then switch it back ON (1) again to restart the robot lawn mower.
Alarm LED Flashing RED	Magnetic tape fault. The robot lawn mower does not receive a signal from the magnetic tape sensor.	Switch the main switch OFF (0), wait 10 seconds before switching it back ON (1) again to restart the robot lawn mower.
The robot lawn mower comes to a stop in the mowing area. The robot lawn mower cannot be switched on:	Battery voltage is too low.	Carry the robot lawn mower back to the charging station for charging.
		Switch on the main switch ON (1).
		Check the position of the charging station and the maximum distance from the charging station.
		When using a Multi-Ah battery (e.g. 4-6 Ah), set the higher capacity. Thanks to the gentle charging and discharging of the robot lawn mower there is no need to use the lower capacity in order to extend the working life.

TROUBLESHOOTING (cont.)

Robot Lawn Mower (cont.)		
Fault	Possible cause	Remedy
The robot lawn mower comes to a stop in the mowing area.	Mower automatically shuts down if lost signal to charging station.	Remove battery for 15 seconds then replace - allow robot mower to calibrate and wait for all 3 LED icons - Link, Charge and Home to illuminate.
	Mower automatically shuts down if stuck for a long period of time.	Remove battery for 15 seconds then replace - allow robot mower to calibrate and wait for all 3 LED icons - Link, Charge and Home to illuminate.
The robot lawn mower cannot move into the charging station.	The charging station is not correctly installed.	Make sure that the LED display on the charging station is illuminated green.
		Make sure that the guide cables are connected at the charging station and that the front guide cable is laid in the middle underneath the charging station.
		Make sure that the charging station is positioned correctly.
The Robot lawn mower is very loud	Damaged blades.	Replace the blades. The 3 blades must all be replaced together at the same time. See Maintenance -Removing and Fitting the Blades.
	A large amount of foreign bodies adhere to the blades.	The operating efficiency of the robot lawn mower is dependent on the sharpness of the blades. You should therefore ensure that the blades are maintained in good condition. To avoid cutting yourself, be sure to switch off the robot lawn mower and wear work gloves while you clean the blades.
	Damaged blade drive or drive motor.	Contact Ozito Customer service.
	Other parts of the robot lawn mower are damaged.	Contact Ozito Customer service.
The robot lawn mower stays in the charging station. The robot lawn mower keeps returning to the charging station.	Incorrect work time settings.	Check the work time settings. The robot lawn mower will begin and end its work in accordance with the set time window. Outside this time window the robot lawn mower stays in the charging station.
	Twilight is falling, making it impossible for the camera unit to work correctly.	
	The rain sensor has tripped.	Wait until robot lawn mower is dry.
	The battery charge level is too low and drops below 30%.	The robot lawn mower travels to the charging station in order to charge the battery.
	The robot lawn mower has become overheated.	After the robot lawn mower has cooled down to the permissible temperature range, the robot lawn mower automatically returns to programmed operation.
The robot lawn mower cannot find the charging station	The charging station is in a position that receives only a weak GNSS signal.	Adapt the position of the charging station and delete the mapping as described in the operating instructions. See 6. CALIBRATION & INITIAL CHARGE Mapping - Deleting the Maps.
	Obstacles in the immediate vicinity of the guide cable loop are preventing the mower from reaching the loop.	Adapt the shape of the guide cable loop / enlarge the guide cable loop.

Magnetic Tape

Fault	Possible cause	Remedy
The robot lawn mower fails to recognize the magnetic tape and travels over it and past it.	The magnetic tape is laid too deep in the ground.	Lay the magnetic tape on the ground or at a depth of approx. 50mm in the ground.
	The magnetic tape does not work properly because the outside temperature is too high.	Wait for the temperature to cool. Avoid operating the robot lawn mower during the hot hours of the day.
The robot lawn mower stops or travels out of control when it is near the boundary area.	The magnetic tape is laid too close to the guide cable. The distance between two independent boundary areas with magnetic tape is too small.	Keep a distance of at least 800mm between the guide cable and the magnetic tape or between two boundary areas.
	Interference arises in the mowing area due to electric cables.	Avoid electric cables which run through the mowing area. Position the charging station at the edge of the mowing area. Keep away from mowed areas which do not belong to you but to your neighbours, for example, and which are operated with a perimeter wire.
The robot lawn mower intrudes in the boundary area.	The robot lawn mower slips over the magnetic tape.	Avoid laying the magnetic tape on gradients.
		Take account of the specified conditions of installation.

MAINTENANCE



WARNING! PRIOR TO ANY MAINTENANCE SWITCH OFF AND DISCONNECT THE AC POWER ADAPTOR FROM THE CHARGING STATION. ALWAYS ENSURE THE ROBOT LAWN MOWER BLADE HAS COMPLETELY STOPPED, THE MAIN SWITCH IS SWITCHED OFF (0) AND REMOVE THE BATTERY.

Cleaning

- Keep all safety devices, air vents and the motor housing free of dirt and dust as far as possible. Wipe the equipment with a clean cloth or blow it with compressed air at low pressure.
- Do not clean the robot lawn mower with running water, particularly with high-pressure water.
- Clean the equipment regularly with a damp cloth and some soft soap. Do not use cleaning agents or solvents; these might be aggressive to the plastic parts in the equipment. Ensure that no water can get into the interior of the equipment.
- For best results, clean the lawn mower with a brush or rag.
- Check the freedom of movement of the blades and the blade plate.
- Check the lens of the camera unit regularly for signs of dirt and clean if necessary. The lens is likely to become dirty particularly when it rains. Do not use any aggressive cleaning agents or solvents.
- Use cleaning product for metal or very fine abrasive paper to clean the charging contacts on the robot lawn mower and the charging station. Clean them in order ensure efficient charging.

Maintenance

- Only use the replacement blade and blade bolt specified for this product.
- Worn or damaged blades and their screws must always be replaced as a set.
- The blades are subject to more wear and tear than any other component. Therefore, routinely check the condition of the blades and make sure that they are tightly fastened. An excessively vibrating robot lawn mower can indicate that the blades are damaged or have become deformed from striking an object. If the blades are worn or damaged, they must be replaced immediately.
- Check the appearance of the cut lawn at regular intervals. The grass will not be cleanly cut if the blades are not sharp. This can result in the surface of the lawn drying out easily and turning brown. It is important therefore to change the blades regularly in order to obtain a clean and straight cut.
- Check the bottom of the robot lawn mower for dirt at regular intervals. Clean the robot lawn mower regularly. Remove heavy soiling immediately.
- Heavy soiling of the robot lawn mower is possible in the first weeks of its use if you previously worked with a conventional lawn mower. In these first few weeks you should check the bottom of your robot lawn mower more often.
- Shorten the lawn only in small steps in order to prevent heavy soiling.
- Replace excessively worn or damaged parts immediately.

Removing and Fitting the Blades

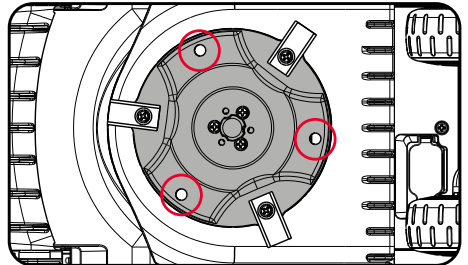


WARNING! ALWAYS USE GLOVES WHEN HANDLING THE BLADES. SHARP EDGES COULD CAUSE INJURY.

Only replace the blades with a genuine Ozito replacement blade, as this will ensure top performance and safety under all conditions.

The robot lawn mower is equipped with three blades fitted to a blade plate. These blades have a service life of up to 3 months when used everyday (if they do not strike any obstacles). Please replace all three blades at the same time to ensure that there is no possibility of any impairment to the efficiency and balance of your equipment.

1. Use a screwdriver to block the rotation of the blade plate. Do this by inserting a screwdriver through one of the three holes in the blade plate and the protective ridge.
2. Undo the screws holding the blades to the blade plate.
3. Remove the blades and replace them with new ones. Always replace all three blades as a set.



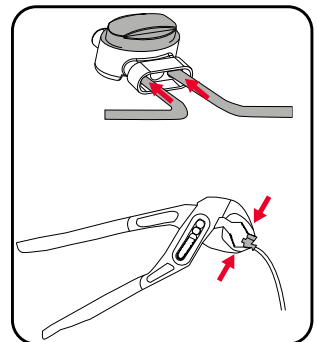
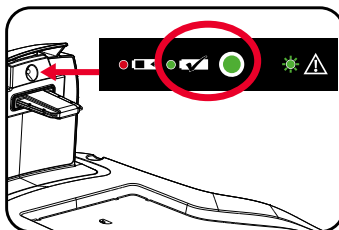
4. Then retighten the screws. Check that the new blades are able to rotate freely.

Perform a general inspection of the robot lawn mower at regular intervals and remove any deposits which have accumulated. At the start of each season, ensure that you check the condition of the blades. If repairs are necessary, please contact Ozito Customer Service. Use only genuine spare parts.

Repairing the Guide Cable

Disconnect the charging station from the power supply. If the guide cable has been severed at any point, use the supplied cable connectors to repair it.

1. Insert both ends of the severed guide cable into the cable connector and squeeze it using pliers (not included).
2. Reconnect the power plug to the socket outlet.
3. Check the LED display status is constantly illuminated on the charging station to see if the function is working.



MAINTENANCE (cont.)

Software Update

By registering online at www.ozito.com.au within 30 days of purchase for the additional 1 Year Repair Warranty, you will be contacted when a software update becomes available.

You will need to copy the new software to an empty USB stick (not included).

Note: Format the USB stick first if necessary.

Important!: Make sure that the battery is fully charged before you carry out the following steps.

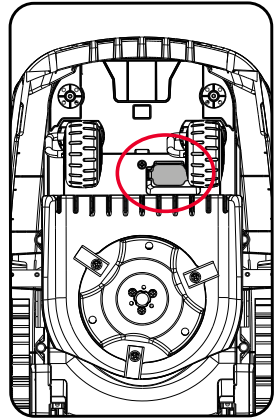
1. Switch on the robot mower with the main switch ON (I) and place it in the mowing area.

Important!: The robot lawn mower must not be in the charging station during the software update.

2. Connect a USB stick to the USB connection as shown.

3. The robot lawn mower will now install the two files one after the other. Alternatively the files can be updated one at a time. In this case you must first switch off the robot lawn mower with the main switch OFF (0).

- System update (example of file name: CMK_3100.1.2.3.4.bin): Press the button '4H' for the mowing time setting and simultaneously switch on the robot lawn mower with the main switch ON (I).
 - Camera update (example of file name: Camera_1.2.3.4.bin): Press the button '10H' for the mowing time setting and simultaneously switch on the robot lawn mower with the main switch ON (I).
4. The time LEDs will flash during the update process.
5. When finished, the robot lawn mower will emit a continuous beep sound. If successful, all 4 time LEDs will light up. If uncompleted, all 4 time LEDs will go out and you will need to repeat the software update.
6. Pull out the USB stick and restart the robot lawn mower with the main switch.



Storage

- Fully charge the battery before putting it into storage over winter and switch off the robot lawn mower at the main switch OFF (0). Take the battery out of the equipment. Disconnect the AC power supply adaptor from the power supply and the charging station.
- The guide cable can be left outdoors over winter. However, make sure that the connections are protected against corrosion. To do so, disconnect the connections of the guide cable from the charging station.
- When not in use, store the equipment and accessories out of the reach of children, in a dry, frost-free location. The ideal temperature is between 5 and 30°C.
- Keep out the reach of children.

Transport

- Switch off the robot lawn mower with the main switch OFF (0).
- Carry the robot lawn mower by the carry handles with the blade plate facing away from your body.
- Protect the robot lawn mower from damage and the strong vibrations that can occur particularly when transporting in vehicles.
- Secure the robot lawn mower against slipping and tipping over.

SPARE PARTS

Spare parts and accessories can be ordered from the Special Orders Desk at your local Bunnings Warehouse.

Description	Part number
Magnetic Tape 20m	PXMTS-020
Blades 12 Pack	PXRMB-012
Garage (accessory)	PXGAR-500

For further information, or any parts or accessories not listed here, visit www.ozito.com.au or contact Ozito customer service Australia 1800 069 486

New Zealand 0508 069 486

E-mail: enquiries@ozito.com.au

CARING FOR THE ENVIRONMENT



Tools that are no longer usable should not be disposed of with household waste but in an environmentally friendly way. Please recycle where facilities exist. Check with your local council authority for recycling advice.



Recycling packaging reduces the need for landfill and raw materials. Reuse of recycled material decreases pollution in the environment. Please recycle packaging where facilities exist. Check with your local council authority for recycling advice.

DESCRIPTION OF SYMBOLS

V	Volts	Hz	Hertz
~	Alternating current	W	Watts
dc/—	Direct current	∅	Diameter
IP	Ingress protection from water	n_o	No load speed
	Warning	dB	Decibel level
/min	Revolutions or reciprocations per minute	mA	Milliamperes
	Wear safety gloves		SMPS (Switch mode power supply unit)
	Thrown objects can cause severe injury.		Regulator compliance mark (RCM)
	Do not touch rotating blades		Keep bystanders away
	Do not ride on the machine		Double insulated
T2.0A 	Fuse link 2.0 Amp		Battery operated
	MEPS (Minimum Energy Performance Standards) Performance Mark		
	Press Stop before lifting or working on mower		
		Read instruction manual	
			Temperature >40°C
	WARNING! To charge the battery, use only the removable power supply unit 24LSC28 delivered with this machine.		
	DO NOT place in bin		SMPS incorporating a Short-circuit-proof safety isolating transfer (inherently or non-inherently).

WARRANTY

IN ORDER TO MAKE A CLAIM UNDER THIS WARRANTY YOU MUST CONTACT OZITO CUSTOMER SERVICE TO ARRANGE SERVICE/REPAIR WARRANTY, AS BUNNINGS CANNOT ARRANGE THIS SERVICE FROM STORE.

FOR SERVICE IN AUSTRALIA AND NEW ZEALAND THE CONSUMER SHOULD REFER TO THE OZITO WEBSITE OR TELEPHONE OUR CUSTOMER SERVICE HELPLINE:

Australia 1800 069 486, New Zealand 0508 069 486 TO OBTAIN THE NEAREST OZITO AUTHORISED SERVICE CENTRE.

TO ENSURE A SPEEDY RESPONSE PLEASE HAVE THE MODEL NUMBER AND DATE OF PURCHASE AVAILABLE. A CUSTOMER SERVICE REPRESENTATIVE WILL TAKE YOUR CALL AND ANSWER ANY QUESTIONS YOU MAY HAVE RELATING TO THE WARRANTY POLICY OR PROCEDURE.

We may also require further information from you, such as your contact details which can include the following:

- phone number;
- address;
- email address.

The benefits provided under this warranty are in addition to other rights and remedies which are available to you at law.

Our goods come with guarantees that cannot be excluded at law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Generally you will be responsible for all freight costs and insurance cost associated if the product has to be returned for repair/inspection for a claim under this warranty, however, where you have suffered any additional direct loss as a result of a defective product you may be able to claim such expenses by contacting our customer service helpline above.

2 YEAR REPAIR WARRANTY

Your Ozito PXC 18V FREELEXO CAM Robot Mower & Charging Station are guaranteed for a period of 24 months from the original date of purchase and are intended for DIY (Do It Yourself) use only. If the product is defective it will be repaired or replaced in accordance with the terms of this warranty. ***Register online within 30 days of purchase for an additional 1 Year Repair Warranty at www.ozito.com.au.**

Lithium Ion batteries are covered by a 36 month replacement warranty and are excluded from the warranty extension. Warranty excludes consumable parts.

WARNING

The following actions will result in the warranty being void.

- If the tool has been operated on a supply voltage other than that specified on the tool.
- If the tool shows signs of damage or defects caused by or resulting from abuse, accidents or alterations.
- Failure to perform maintenance as set out within the instruction manual.
- If the tool is disassembled or tampered with in any way.
- Professional, industrial or high frequency use.

OZITO (Head Office) 25 Fox Drive, Dandenong South, Victoria 3175, Australia.