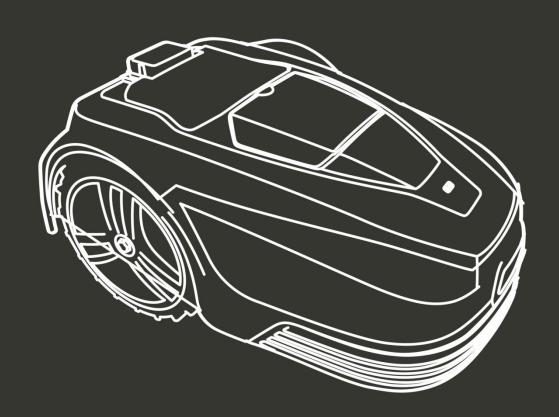


ROBOT LAWN MOWER HTDER50PW-1

ORIGINAL INSTRUCTIONS



CAUTION Read the instructions before using the machine!

ITENTS

EN

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	MARD ANTIVENOUS COME	

1. SAFETY INSTRUCTIONS

- WARNING! Before using this machine, please read this manual carefully and understand the
 instructions. Please keep these instructions for future use. If you give this tool to a third party, please
 also give this manual.
- Failure to comply with these safety rules is not only dangerous, but also voids the warranty conditions.
- Never allow children, persons with reduced physical or sensory or mental abilities, or no experience or knowledge, or persons unfamiliar with these instructions to use this machine. Local laws may restrict the age of the operator.
- Children should not be near the machine when it is in use.
- Do not let children play with this machine, whether it is in operation or not.
- Please ensure that the machine is in good working order. In case of damage or defect, do not use the tool and have it repaired by a qualified service.
- Never turn the mower on if it is turned over or if it is not in the working position.
- Switch off the machine when:
 - You do not use it,
 - When left unattended,
 - When performing an intervention on the machine,
 - When the battery fails,
 - During maintenance work,
 - When you transport the machine from one place to another.
- Keep children and animals out of reach of the machine.
- Before working, inspect the work area; remove any cables, stones, debris and any objects / materials from the area to be mowed that could cause an accident and damage.
- Avoid using the mower to cut grass that is not on the ground, for example, grass growing on walls or rocks, etc.
- Do not use the tool in the presence of flammable and / or explosive substances such as liquids, gases and powders.
- The operator is responsible for any damage caused to third parties within the work area.
- Mow only in daylight or with adequate artificial light.
- If you do not use the mower, store it in a dry place out of the reach of children.
- The mower must be used in accordance with these instructions and only in a vertical position relative to the ground. Any other position is forbidden because dangerous.
- Check regularly that the screws are correctly tightened.
- Before using the appliance and after any impact, check for signs of wear or damage and have the tool repaired if necessary.
- Never use spare parts or accessories not supplied or recommended by the manufacturer.
- Never allow children, persons with reduced physical, sensory or mental abilities or lacking experience or knowledge, or persons unfamiliar with these instructions to use this machine.
- Never use this machine when people, especially children or animals are nearby.
- Never replace non-metallic cutting means with metal cutting means.
- Do not touch dangerous moving parts before stopping the unit completely.
- Do not use the tool without guards.
- Never use the mower when it is raining. Do not expose it to water and moisture. Do not leave it outside during the night. Avoid cutting wet or damp grass.
- Familiarize yourself with the controls and proper use of the equipment.
- After the operation, perform the maintenance of the tool. Carefully follow the instructions in the chapter "Care and maintenance". These instructions will help keep the tool in good condition.
- Never replace non-metallic cutting elements with metal cutting elements.
- Do not expose the tool to rain or moisture.

- Do not use the tool when there is a risk of thunderstorms and lightning. Do not use the tool when weather conditions are poor.
- Do not insert metal objects into the charger or the battery connections, as this may cause a short circuit or be a source of danger.
- When the mower is in operation:
 - Do not open it and do not disassemble it
 - Do not carry repairs
 - Do not lift it
 - Do not check the blade
- Any inspection, repair, maintenance must be done completely off machine.
- Do not use the mower on slopes of more than 30 degrees max.
- Do not use the mower when its safety device is damaged.
- When the machine is no longer used, turn off the main switch and keep the appliance in a place out of the reach of children, to avoid damage to children or the lawn mower.
- The battery should always be charged when using the mower.
- Always use the battery and charger supplied. Do not use or mix these elements with other similar products. Incorrect use may result in electric shock, overheating, or leaking corrosive liquid from the battery.

IMPORTANT

READ CAREFULLY BEFORE USE KEEP FOR FUTURE REFERENCE

1) Safe operating practices

Training

- a) Read the instructions carefully. Be familiar with the controls and the proper use of the machine.
- b) Never allow people unfamiliar with these instructions or children to use the machine. Local regulations may restrict the age of the operator.
- c) The operator or user is responsible for accidents or hazards occurring to other people or their property.

2) Preparation

- a) Ensure the correct installation of the automatic perimeter delineation system as instructed.
- b) Periodically inspect the area where the machine is to be used and remove all stones, sticks, wires, bones, and other foreign objects.
- c) Periodically visually inspect to see that the blades, blade bolts and cutter assembly are not worn or damaged. Replace worn or damaged blades and bolts in sets to preserve balance.
- d) On multi-spindle machines, take care as rotating one blade can cause other blades to rotate.

3) Operation

General

- a) Never operate the machine with defective guards, or without safety devices, for example deflectors and/or grass catchers, in place.
- b) Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.
- c) Never pick up or carry an machine while the motor is running.
- d) Remove (or Operate) the disabling device from the machine
- before clearing a blockage;
- before checking, cleaning or working on the machine.

4) Additionally when the machine is operating automatically

Do not leave the machine to operate unattended if you know that there are pets, children or people in the vicinity.

5) Additionally when using the manual controller

- a) Mow only in daylight or in good artificial light.
- b) Avoid operating the machine in wet grass.
- c) Do not operate the machine when barefoot or wearing open sandals. Always wear substantial footwear and long trousers.
- d) Always be sure of your footing on slopes.

- e) Use extreme caution when reversing the machine towards you.
- f) Always switch on the motor according to instructions with feet well away from the blade(s).

6) Maintenance and storage

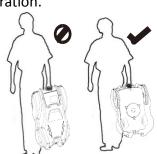
- a) Keep all nuts, bolts, and screws tight to be sure the machine is in safe working condition.
- b) Check the grass catcher frequently for wear or deterioration.
- c) Replace worn or damaged parts for safety.
- d) Ensure that only replacement cutting means of the right type are used.
- e) Ensure that batteries are charged using the correct charger recommended by the manufacturer.

Incorrect use may result in electric shock, overheating or leakage of corrosive liquid from the battery.

- f) In the event of leakage of electrolyte flush with water/neutralizing agent, seek medical help if it comes into contact with the eyes, etc.
- g) Servicing of the machine should be according to manufacturers' instructions.

7) Additional instructions

- a) Congratulations on the purchase of this exceptional quality product. For best results with your mower, read all of these features. This user manual contains important information regarding the specifications of this product, its installation and use.
- b) Read this user manual carefully before using the automatic mower.
- c) The mower may be damaged if not used properly.
- d) Do not modify the original design of this mower. Any changes to this instruction manual will damage the mower and may cause accidents.
- e) Check for stones, branches, tools, toys and other objects on the lawn that may damage the blades and stop the mower.
- f) Never use a pressure washer or water to clean the mower.
- g) Do not sit on the mower and do not use it as a means of transportation. Children and pets should be kept away from the lawn mower.
- h) Turn off the mower before lifting or transporting it.
- i) WARNING Never allow children, people with reduced physical, sensory or mental abilities or lack of experience and knowledge or persons unfamiliar with these instructions to use the machine, local regulations may restrict the age of the operator;
- j) WARNING Do not allow children to be near or play with the machine during operation.
- k) WARNING Do not use the machine to create a hazard. Only use a machine in good working order, on grass, with a work area free of obstacles.
- Persons who are inexperienced and / or have no knowledge of the instructions should not use this automatic mower (to avoid serious injury).
- m) Do not place anything on the mower or its charging station.
- n) Do not operate the mower with defective or damaged components such as blades, screws, nuts, etc.
- o) Never put your hands and feet under the mower.
- p) The mower does not guarantee full compatibility between the mower and other types of wireless systems such as remote controls, radio transmitters, electrified fences, etc.
- q) Start the mower according to these instructions.
- r) It is recommended that the cutting height be less than 7cm.
- s) It is forbidden to use the mower on a lawn with a slope of more than 30 degrees.
- t) Turn off the power before cleaning.
- u) Carefully read all warnings on the machine, the battery, the charging station and in this manual.
- v) Turn off the mower before transporting or repositioning.
- w) Carry the mower by the handle at the back under the mower. Carry the mower with the blade disc away from the body.
- x) Do not lift the mower by the outer protective case.
- y) Turn off the mower and make sure it is completely shut down before performing any maintenance and cleaning.



- z) Inspect the mower weekly and have damaged or worn parts replaced, such as blades or brushes. Any replacement of parts and accessories must be done by the manufacturer or an authorized after-sales service.
- aa) CAUTION: Do not touch the rotating blade. The blade must stop completely before handling.
- bb) Always check the baffle condition to keep the material discharge chute clean and unhindered.
- cc) Always use the battery supplied with this machine. In case of replacement, contact your dealer or the manufacturer for the type (s) of batteries that can be used with this machine.
- dd) Stop the machine by pressing the STOP button when you need to:
 - to remove a blocked item
 - check, clean or work on the machine.
 - Inspect the machine for damage after striking a foreign object.
 - Check the machine if it starts to vibrate abnormally. Check the damage before restarting;
- ee) The boundary wire must be disconnected from the docking station if it is damaged or intermingled. The mower must be extinguished before. the power plug of the adapter must be removed from the wall outlet.
- ff) Avoid using the machine and its peripherals in bad weather, especially in case of lightning, thunderstorms and generally in bad weather.

8) Residual risks

Even if you use this product in compliance with all safety requirements, the potential risks of injury and damage remain. The following hazards may occur in the structure and design of this product.

There is a risk of injury and damage to property due to attachments or broken the sudden impact of hidden objects when using cutting.

Risk of damage to personal injury and property caused by flying objects.

To reduce residual risk, always inspect the work area, wear safety shoes and protective equipment.

9) Warning Label Descriptions

<u>5, 114.11.18.</u>	Label Descriptions		
À	Warning/Danger! Do not play with this robot lawn mover.		Read the instruction manual.
	Beware of severing toes or hands. Do not put hands or feet near arotating blade.		Do not dispose electrical products with general household waste. Please check with your local authorities for recycling advice.
<u></u>	Dangerous voltage		Press the STOP button before maintenance or lifting the machine. Read the instruction manual
	Danger - risk of projection	stop	Caution: Wait until blades stop rotating when switched off
₩	Keep bystanders at a safe distance (at least 5m).	X	Do not ride on the mower or allow children or pets to do so.
	Pick up sticks, stones and foreign objects before using.		

2. INTENDED USE

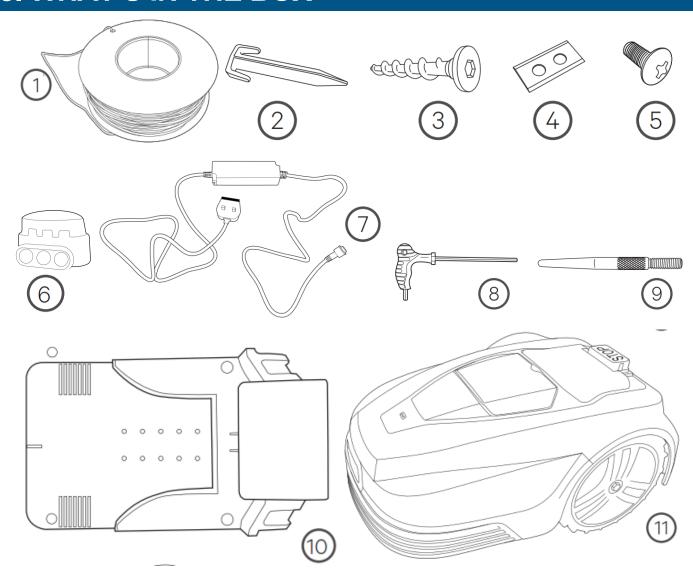
This robot lawn mower is designed for mowing natural grass. Any other use is prohibited.

It is only suitable for private use in a garden or a plot. Lawn mowers designed for private plots or gardens are those used for the maintenance of grassy areas and private lawns.

Robot mowers work by making regular small cuts of the grass to maintain a set height. To do this they must be able to mow the grass multiple times per day every day. This will keep the grass level constantly in check. As it is cutting small amounts regularly the clipping will fall to the ground and are not collected. Over time these small clippings will compost and add nitrogen to the lawn. Eventually this will leave the lawn looking more green and lush and enhance the general health of the lawn.

WARNING - These types of mowers should not be used in public areas, parks, sports, agricultural or forestry areas.

3. WHAT'S IN THE BOX



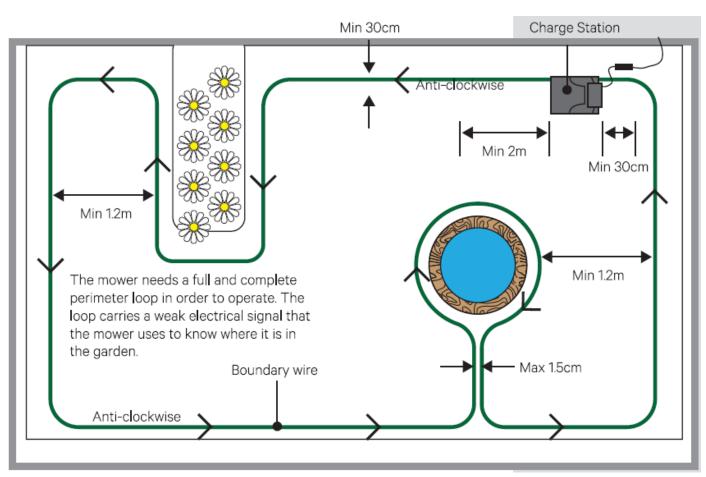
- 1. Boundary wire x100m/150m
- 2. Boundary wire pegs x120/180
- 3. Charge station groundscrew x4
- 4. Blades x9
- 5. Blade screws x10
- 6. Wire splicer x4

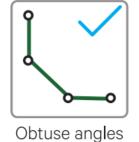
- 7. Power supply
- Allen tool
- 9. Charging rods x2
- 10. Charging station
- 11. Robot Mower

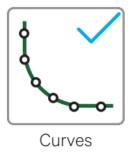
4. TECHNICAL DATA

Battery	Li-ion 22.2V/2600mAh	
Adapter	Input 100-240Vac, 1,4A max	
	Output 25.5V/2.0A	
Frequency range:	2412~2472 MHz	
Output power:	14,05 dBm max	
Blade motor speed	3200~3500/min	
Working capacity	600m2	
Moving speed	22 m/min	
Cutting height	25-55 mm	
Cutting width	18cm	
Weight	8.7kg	

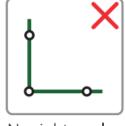
5. PREPARING YOUR LAWN FOR THE LAWN MOVER

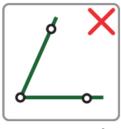






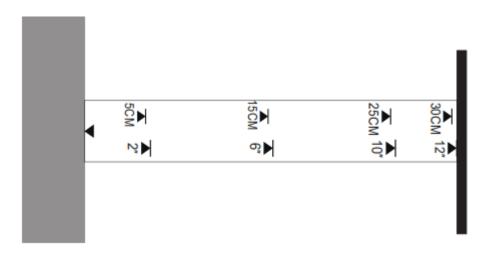






Don't cross wires No right angles

No acute angles



There is a handy ruler you can press out of the carton that will help you measure 30cm all around your garden

There may be parts of your garden which will be challenging or even impossible for your Robot Mower. Your Robot Mower will not stray beyond the boundary wire you must lay around your garden. It will change direction on making contact with things like:

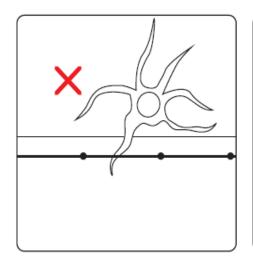
- Posts and poles (e.g. washing lines)
- Fences and walls around trees

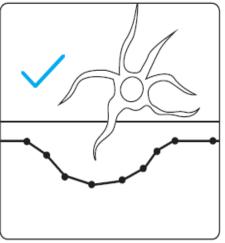
But it will need to be kept away from:

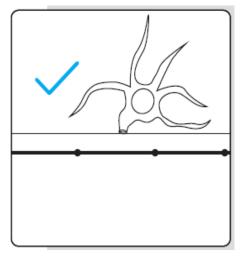
- Dug borders
- Trees with exposed roots
- Flower beds
- Ponds and water features
- Excessively uneven terrain.

The wire must be kept taut and never be allowed to loop or cross over itself. Ideally if ground is particularly uneven the wire can be buried up to 40mm deep and pegged down to secure. This can be achieved easily with a manual edging tool. If this is not desired or possible then the wire should be firmly pegged around the garden with pegs at a minimum of 1m intervals, keeping the cable taut to avoid it being cut by the mower, more so at corners and over uneven terrain. The cable should be positioned a minimum of 35cm from the edge of the garden, as the mower will overlap the wire, although it will not stray past it. On corners the wire should not be laid at a sharp angle or right angle, but curved or a series of obtuse angles. The mower can detect a signal from the wire from as much as 18m away. It should be noted that due to this set up some areas of the lawn will not get mowed such as outside the perimeter edges. These can be maintained using a suitable grass trimmer. If the ground where the wires are to be laid is particularly dry and the soil hard from lack of rain, it will help to thoroughly water the garden before attempting to lay your perimeter wire.

Rectifying or avoiding problem areas obstacles such as tree roots on lawn



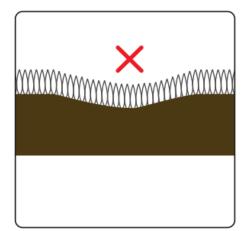


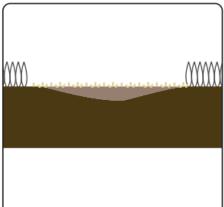


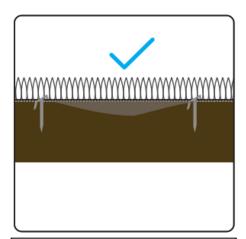
If a tree root is protruding into the perimeter of your cutting area it would present a problem for the mower. One solution is to take the perimeter around the tree root, leaving this area unmowed.

Alternatively, cut the tree root back with a saw and fill any resulting uneven surface, then set the perimeter over it

Excessively uneven areas of lawn



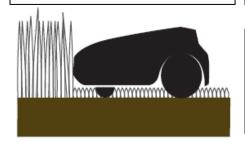




A deep enough dip in the surface of your lawn will also present problems, possibly causing the mower's wheels to lose their grip and skid.

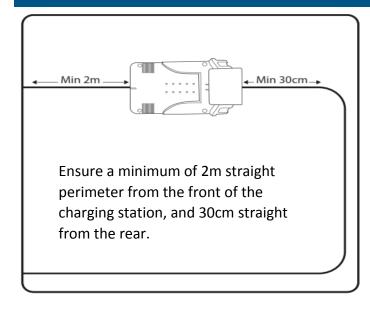
If you don't want to avoid mowing this area, it's best to fill it with soil, compact it down and re-seed it with grass If the area is on the perimeter line this can be pegged out as normal.

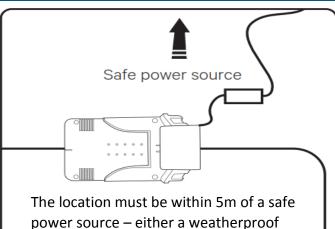
If it is within the mowing area it should no longer be a problem



If your mower encounters particularly long grass it may treat it as an obstacle as it could bump the mower's obstacle sensor. The grass needs to be at a reasonable level before the Robot Mower can function correctly

6. INSTALLING THE CHARGING STATION

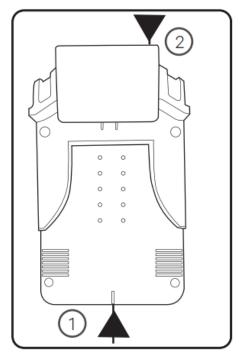


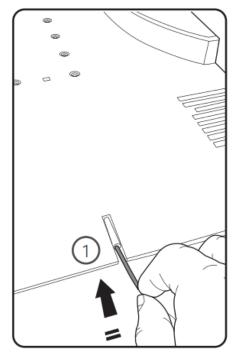


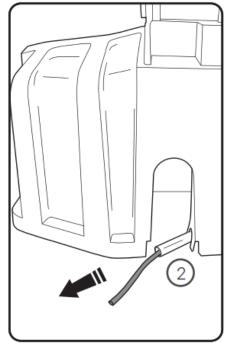
power source – either a weatherproof outdoor electrical socket or an indoor power point in a garage, for example.

Find a location with access to power, ensuring the mower can leave the charging station in an anti-clockwise direction. Don't peg the plate down yet. The location of the charging station should be flat and secure, without risk of movement, if placed next to a border edge that is unstable it can slump

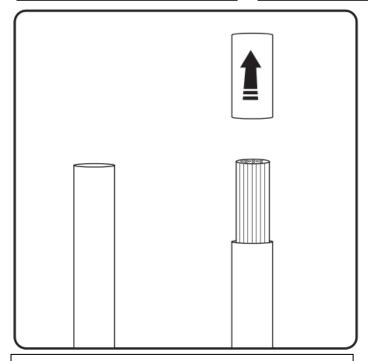
WARNING: Trailing wires are a trip hazard. Take care when choosing your location.

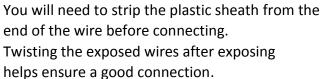


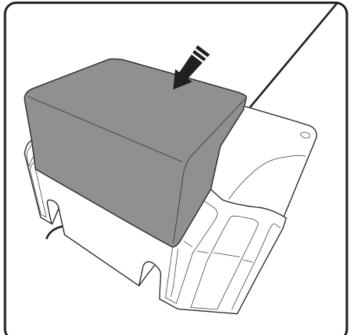




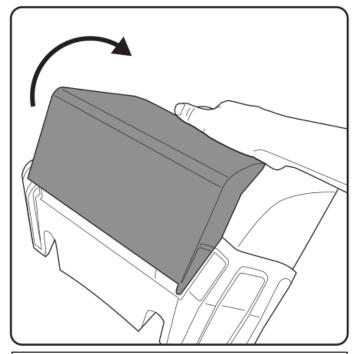
The boundary wire goes into the front (1) of the charging station and comes out at the back(2). Push the boundary wire into the tube at the front (1) of the charging stationt. It will emerge at the rear of the unit (2).



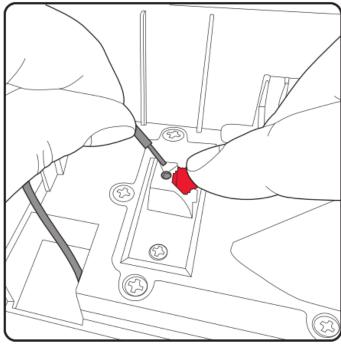




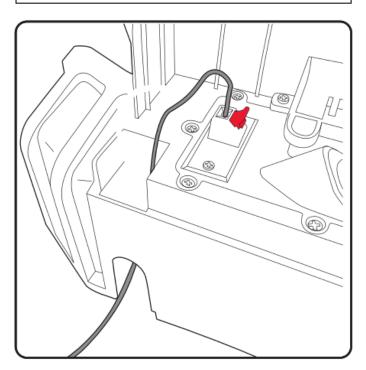
The charging stand has a hood at the back (shown in grey) that hinges forwards.



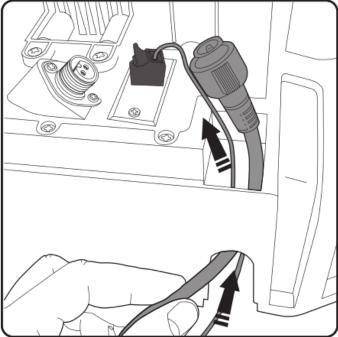
Push the charging station hood forward to uncover the wiring terminals.



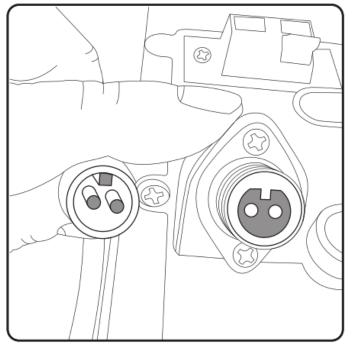
The sprung terminal will need lifting to expose the hole, ensure the wire is full inserted before releasing the red terminal clip.

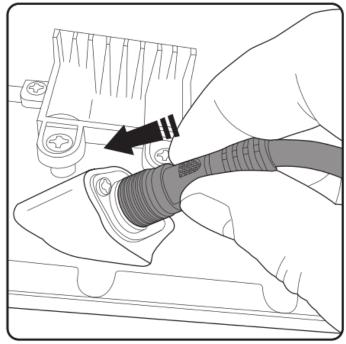


When you have completed your boundary wire it must return to the charging station and be fed up through the unit and plugs in at the black terminal.



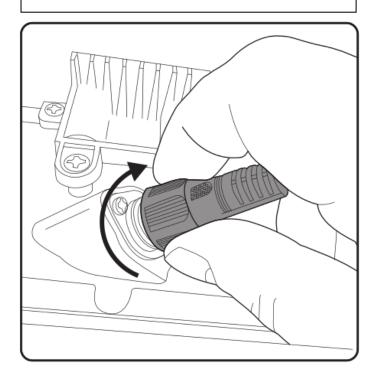
Feed the power lead up through the other side of the base station.

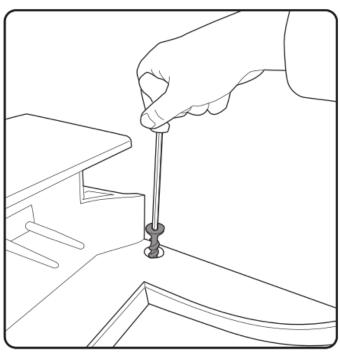




Pay attention to the cable fittings as there is a keyway orientation detail to ensure correct connection.

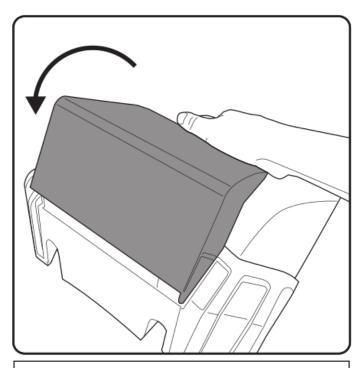
Push the power cable into place

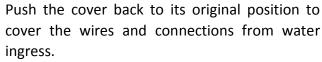


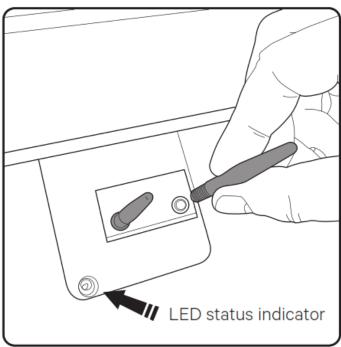


Then screw on the outer ring to secure the cable in place and prevent water ingress.

Once the base station has been fully wired, it can be secured in place with the four screws provided. Use the allen key provided to screw them in securely ensuring they are fully inserted and flush with the station base. Protruding screws can hinder the mower from locating correctly.

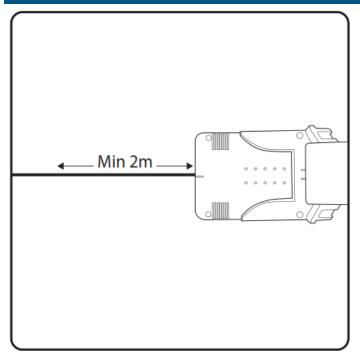




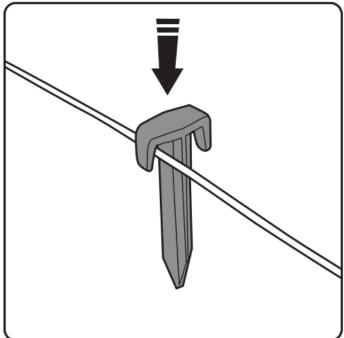


Making sure the power is switched o at the socket, screw the two charging rods into the holes just below the cover of the base station. Note: This is where the LED status indicator is situated. See page 22.

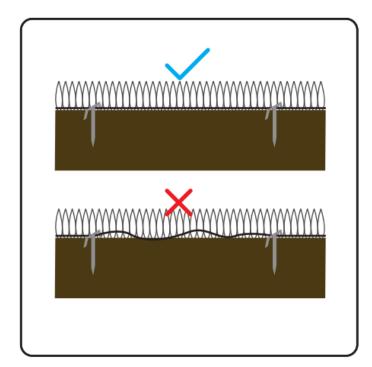
7. LAYING THE BOUNDARY WIRE

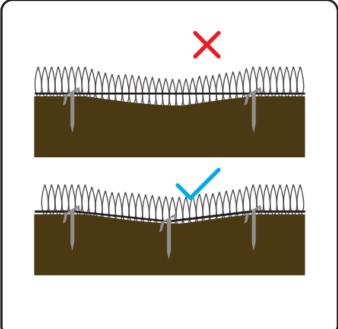


Keep the wire straight for at least the first 2m. This is to allow the mower to return to the charging stand with ease.



Place the pegs at intervals of about 1m on straight and even ground, 30cm to 50cm on bends and corners. Uneven ground and obstacles will require more pegs.

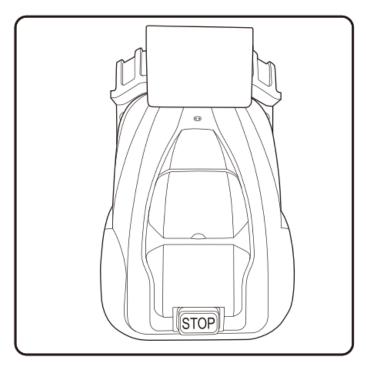




The perimeter wire must be kept tight. If it is loose it may well end up being cut by the mower as it passes over it.

If the wire passes over a moderate dip in the lawn, more pegs will be required to keep the wire firmly pegged at ground level, or it risks being cut.

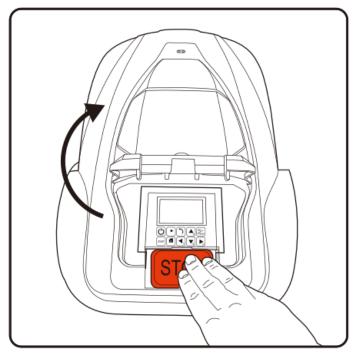
8. OPERATING THE MOWER

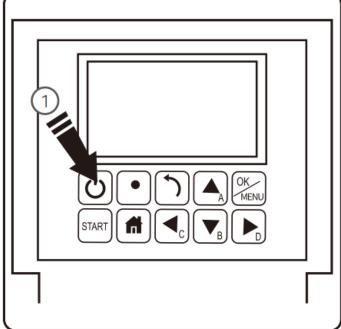


Place the mower on the base station with the wheels on the grips and the two pins engaged into the front of the mower. Note: the mower will require to be charged to at least 70% capacity before it will leave its station.



Press the STOP button

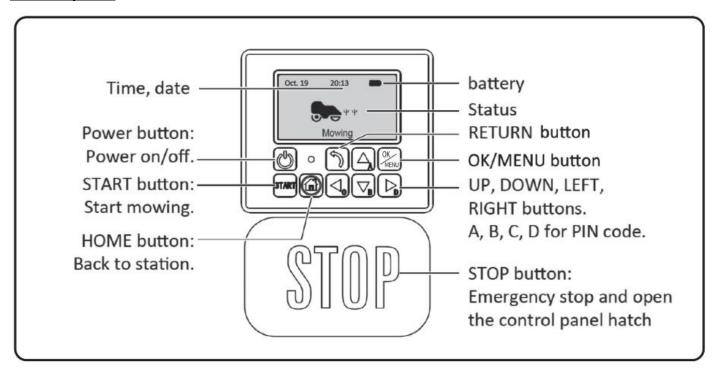




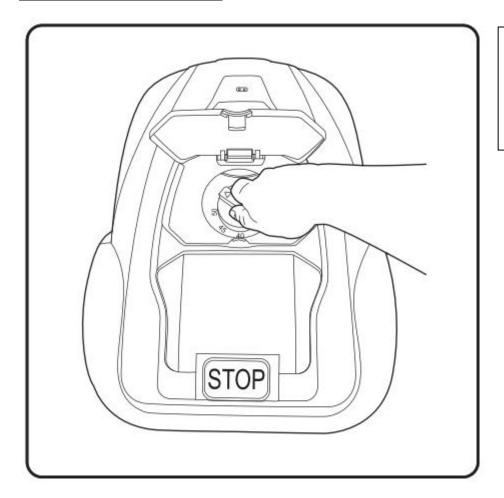
This will flip open the control panel and LCD display cover.

Hold the power button (1) down for three seconds to activate the LCD display.

Control panel



Cutting height adjustment



- 1. Open the knob lid.
- 2. Cutting height can be adjusted from 2.5cm to 5.5cm by rotating the adjustment knob.

9. GETTING STARTED

Set the cutting height

The first cut of the season or long thick wet grass will need the highest setting (5.5cm). Gradually reduce to desired height once all ground has been covered. This may take a few days or a few weeks. If the perimeter wire is pegged to the surface of the garden rather than buried, it is a good idea to let the wire "bed in" to the surface of the lawn, during which time it is advisable to keep the mower on an elevated blade setting. NOTE during first few days of mowing the grass may look stripy or patchy where the mower has covered /not covered. This is normal and will become even after several days once the full lawn area has been mowed.

First time out

The control panel will ask for setting a PIN code when the first time power on. Please remember the PIN code you set.

Pressing the start button and closing the flap will cause the mower to start a perimeter circuit after which it will begin randomly mowing the lawn.

The first few mows will appear random and unfinished, this is normal. With the multiple passes the mower makes over time, this will even out, and by using zoning and spiral spot mowing a desirable eect can be achieved in less time. These methods are explained on page 19

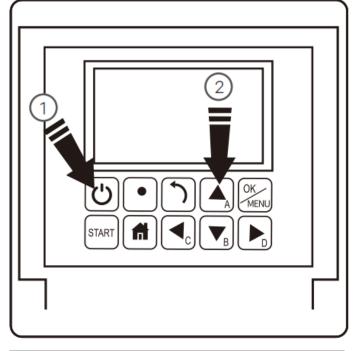
New season mowing

Between mowing seasons when the mower is not operating (during winter months) the grass can become

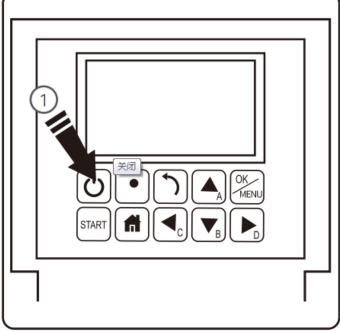
unkempt and thickets emerge. On new season setup review mowing pass and address any problem areas.

Status	Meaning
Standby	Mower is ready to work
Mowing	Mower is mowing automatically
Spot Mow	Mower is mowing spirally
Returning	Mower is going back to station
Charging	Mower is charging
Charge to work	Mower is charging and will continue program when
	charged
Emergency stop	Mower is stopped manually
Error	Mower cannot work
Firmware update	Firmware is updating

Power on

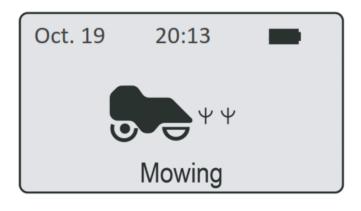


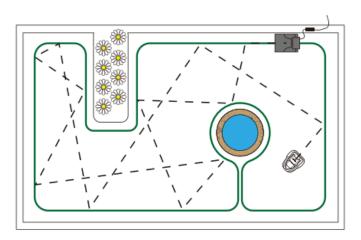
Power off



- 1. Press the power button for 3 seconds.
- 2. Enter the 4-letter PIN code you set.
- 3. The mower will now await further instruction in standby mode.
- 1. Press the power button for 3 seconds.

Start mowing

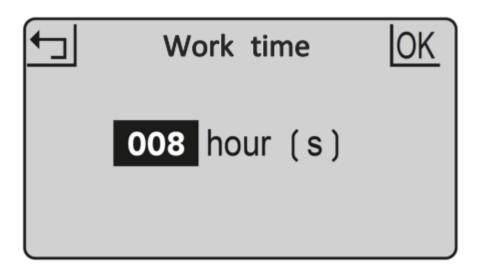




- 1. Press START button
- 2. Close the cover to start
- 3. Note: If the battery is below 70% charge, the mower enters 'charge to work' mode until it reaches 90% charge. If lower than 30% the mower returns to base station to charge.

In standard mowing mode the mower will proceed in a random fashion around your garden, changing direction each time it reaches the boundary wire.

Work time setting

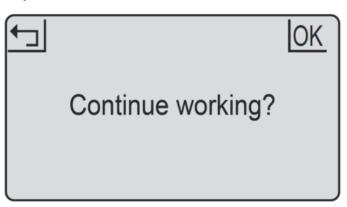


This is the amount of time the mower will be active. This includes charging time. For example: if set to 8 hours and the mower is set to operate from 8:00pm it will operate until 4:00am. In this time it may mow for 1 hour charge for 2 hours mow again for 1 hour; charge for 2 hours, mow for one hours and return to charge ready for the next cycle.

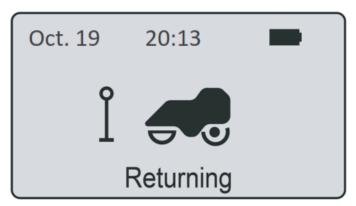
- 1) Press OK button to enter sub-menu 1.
- 2) Select 'setting' to enter sub-menu 2.
- 3) Select 'work time'.
- 4) Set work time by UP and DOWN buttons. (default is 8hrs)
- 5) Press OK button to confirm setting.

You may want to stop the mower during its cutting cycle. To do this:

Stop



Back to station



- 1) Press the **STOP** button.
- 2) The mower stops immediately and the control panel hatch opens.
- 1. Press HOME button.
- 2. Close the cover and mower will return to station for charging.

- 3) The screen shows 'emergency stop'
- 4) Press OK or RETURN button.
- 5) Enter the PIN code6.
- 6) If the mower was running when the STOP button was pressed, the screen will show 'continue working?'. You can then either press OK to continue the task, or press RETURN to cancel it.

Charging

- 1) Place the mower in the station (or press HOME button)
- 2) Mower will charge up to 100% and then go into standby.
- 3) Mower will get charged again if battery is lower than 75%.

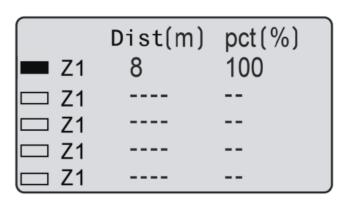
The mower charges on its station through the two charging rods. These insert into the front of the mower. Ensure the holes are free of debris or obstructions and that the mower aligns when approaching the charge station. Uneven ground on approach can cause the mower to not make a positive connection first time. If this happens consider levelling the ground or moving the station to a more suitable area.

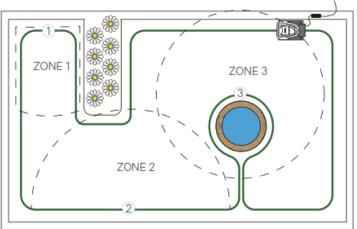
Schedule

- 1) Press **OK** button to enter sub-menu 1.
- 2) Select 'schedule'.
- 3) Press **OK** button to select the desired day.
- 4) Press **UP**, **DOWN**, **LEFT** and **RIGHT** buttons to set the start and end time.
- 5) Press **OK** button to confirm the daily setting.
- 6) Repeat step 3 to 5 to complete the weekly plan.
- 7) Press **OK** button to confirm the weekly setting.

This allows you to change mowing schedules for dierent days of the week, for example if you want to prevent mowing to occur on any given day or if other scheduled activity in the garden would prevent e-ective mowing during normal daily schedule.

Zone

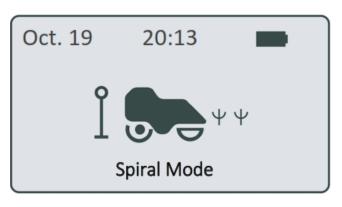


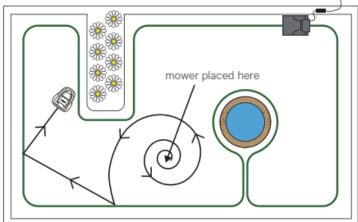


- 1) Press **OK** button to enter sub-menu 1.
- 2) Select 'zone'.
- 3) Press **OK** button to select the desired zone.
- 4) Press **UP, DOWN, LEFT** and **RIGHT** buttons to select the distance and percentage.
- 5) Press **OK** button to confirm each zone.
- 6) Repeat step 3 to 5.
- 7) Press OK button to confirm the setting of all the zones.

You can set up to 5 zones in your garden. This enables you to decide areas of your garden that need more or less attention. A zone is set by how far along the boundary wire from the base station. The distance should be 0 to 200m and the percentages should add up to 100% or the setting cannot be completed.

Spiral mow





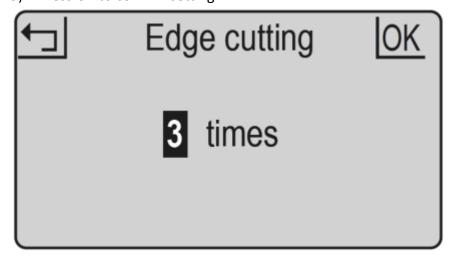
- 1) Place the mower in the garden.
- 2) Press OK button to enter sub-menu 1.
- 3) Select 'Spiral mode'.
- 4) Close the cover to start.

The mower can be placed within the perimeter boundary and that the spiral mow.

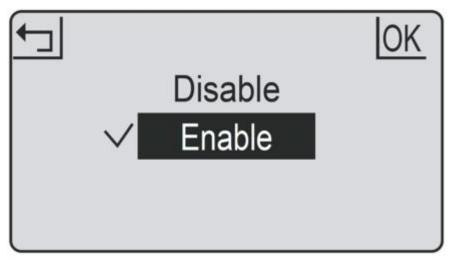
function will mow in relatively uniform spiral pattern for 5 minutes. This is useful when you want to cover a specific area or clear grass on the first mow more quickly.

Edge Cutting

- 1) Press OK button to enter sub-m enu 1.
- 2) Select 'Setting' to enter sub-menu 2.
- 3) Select 'Edge cutting'.
- 4) Set the weekly execution frequency, 1-5 times. (default is 3 times)
- 5) Press OK to confirm setting.



Rain mode

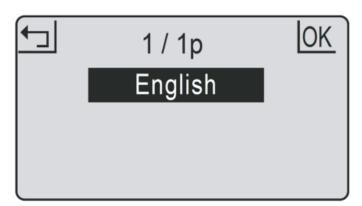


Rain mode sets if the mower will go out in rain or not. Disabling this will allow the mower to continue to work in the rain.

WARNING: avoid activation during heavy rain and storms. Wet grass will cause additional load for the mower and mowing time may be reduced. In some cases the mower may not return to the charge base in rain.

- 1) Press OK button to enter sub-menu 1.
- 2) Select 'setting' to enter sub-menu 2.
- 3) Select 'rain mode'.
- 4) Press UP and DOWN buttons to enable the rain mode.
- 5) Press OK button to confirm setting.

Language



- 1) Press **OK** button to enter sub-menu 1.
- 2) Select 'setting' to enter sub-menu 2.
- 3) Select 'Language'.
- 4) Press **UP** and **DOWN** buttons to select the desired language.
- 5) Press **OK** button to confirm setting.

Date and time



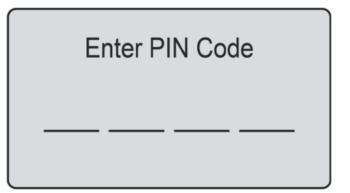
Date: 2020 / 10 / 19

Time: 20: 32

- 1) Press **OK** button to enter sub-menu 1.
- 2) Select 'setting' to enter sub-menu 2.
- 3) Select 'date & time'.
- 4) Press **UP, DOWN, LEFT** and **RIGHT** buttons to set the date and time.
- 5) Press **OK** button to confirm setting

Setting date and time accurately ensures scheduling is accurate.

PIN code



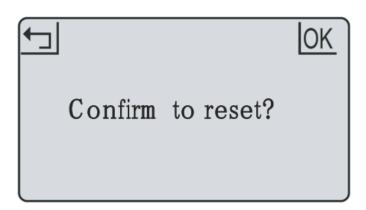
- 1. PIN code should be entered after powering on, pressing **STOP** button, and before clearing error status and changing PIN code.
- 2. If the PIN code is incorrect, the screen will show "PIN incorrect, please retry'.
- 3. If the PIN code is entered incorrectly 3 times, the screen will be locked for 15 seconds. The lock time will double for further incorrect entries.

Change PIN code

UP= 'A' DOWN= 'B'
LEFT= 'C' RIGHT= 'D'
Old : __ _ _ _
New : __ _ _ _
Confirm : __ _ _ _

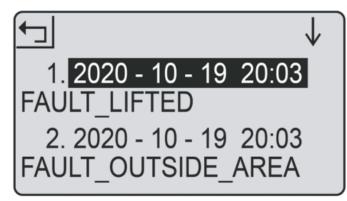
- 1) Press **OK** button to enter sub-menu 1.
- 2) Select 'setting' to enter sub-menu 2.
- 3) Select 'change PIN'.
- 4) Enter the original PIN code.
- 5) Enter new PIN code.
- 6) Enter the new PIN code again. ('New passwords do not match' will be shown for inconsistent passwords.)
- 7) Press **OK** button to confirm.

Factory reset



- 1) Press **OK** button to enter sub-menu 1.
- 2) Select 'setting' to enter sub-menu 2.
- 3) Select 'Factory reset'.
- 4) The screen shows 'Confirm to reset?'
- 5) Press **OK** button to confirm.

Error log



- 1) Press OK button to enter sub-menu 1.
- 2) Select 'setting' to enter sub-menu 2.
- 3) Select 'information' to enter sub-menu 3.
- 4) Select 'error log'.
- 5) The past 10 records (including date, time and error message) will be shown.

In the event of malfunction the error log will record all actions and can be used for service maintenance and fault finding.

Work log

Save power & LED indicator

1. 2020 - 10 - 19 20:13
Spot mowing - 00h00m
2. 2020 - 10 - 19 20:13
Auto mowing - 00h01m

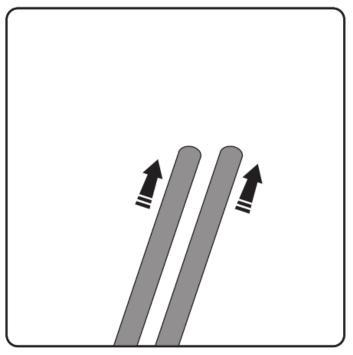
The backlight will switch after 2 minutes in the mower will power after 8 minutes, respectively, without user interference.

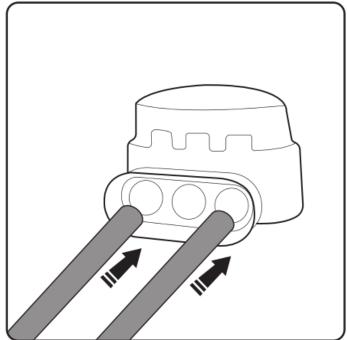
- 1) Press OK button to enter sub-menu 1.
- 2) Select 'setting' to enter sub-menu 2.
- 3) Select 'information' to enter sub-menu 3.
- 4) Select 'work log'.
- 5) The past 10 records (including date, time and work mode and work time) will be shown.

LED on charge station	<u>Status</u>
Solid red light	Broken boundary wire
Flashing blue light	Mower charging
Solid blue light	Loop signal normal or fully charged

Sub-menu 1	Sub-menu 2	Sub-menu 3
Spiral mode		
Schedule		
Zone		
	Work time	
	Rain mode	
	WiFi setting	
	Change PIN	
	Date & time	
		English
		Norsk
		Svenska
	Language	Dansk
Callina		
Setting		Error log
		Work log
		About
	Factory reset	
	Edge cutting	

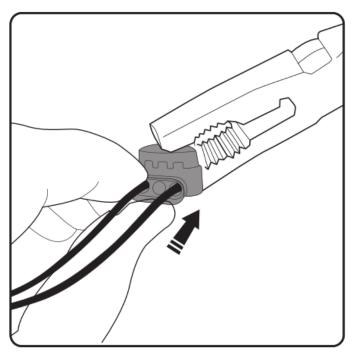
10. REPAIRING THE BOUNDARY WIRE





If the boundary wire gets cut or breaks for any reason (indicated by solid red light on charging station), you need to locate and repair it. You will need to use one of the splicing clips provided. First take up the slack in the wire so there is some overlap.

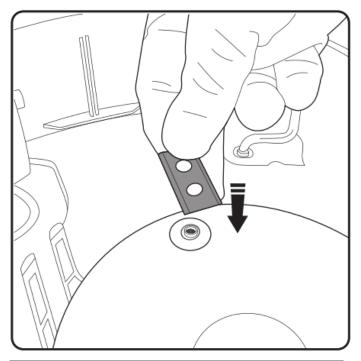
The clip has two channels in it. Push one end into one channel and the other end into the other. The wire needs to go right in.



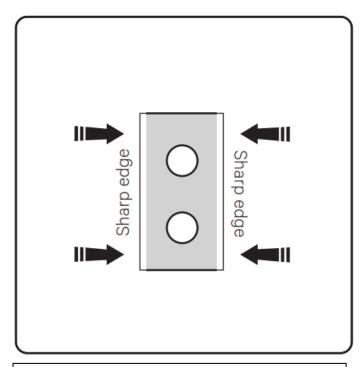
Taking a pair of pliers, crimp the metal tab onto the inserted wires. This will form a connection between the wires.

When the boundary wire is repaired the charging station will display a solid blue light. If the light is still red there are more breaks in the loop, which will need locating and repairing.

11. REPLACING THE BLADES



- 1) Switch the mower off
- 2) Wear protective gloves
- 3) Turn the mower upside-down
- 4) Place blade over raised screw-hole.
- 5) Use a second screwdriver to anchor the blade plate while you attach the blade.
- 6) Using a cross head screwdriver, secure the blade on the blade plate. The blade should be able to rotate freely once fitted.
- 7) Repeat for other blades



Re-orientate the blade (turn it around or turn it upside down) as each corner wears out until all four quarters of the blade have been used. If all four quarters have been used, then replace blade.

Carry the mower by the handle between the two rear wheels with the blades pointing outwards.

12. TROUBLESHOOTING

Error message	Cause	Solution
Mower outside	Mower is outside the perimeter.	Place the mower inside the perimeter.
Mower lifted	Mower is lifted away from the ground.	Move the mower to a flat part of the lawn.
Mower tilted	Mower is tilted too much.	Move the mower to a flat part of the lawn.
Mower overturned	Mower is upside down.	Return the mower to its normal position.
Mower trapped	Mower is trapped by obstacles.	Remove the obstacles.
Loop signal lost	Power supply or the wire is not connected to the station, or wire is broken.	Check the power supply, station and wire are connected normally. Identify wire break and repair with wire splicer.
Motor fault	Blade motor or drive motor is stuck. The motor current is too high.	Clear the grass or soil in cutting means and driving wheels. Cut the high and thick grass with a conventional lawn mower.
High temp	The battery temperature is too high.	The battery temperature is too high.
Battery abnormal	The battery is damaged.	Contact service center

Wheel spinning faults where the mower will stop in a single spot and wheel(s) spin is a combination of uneven and/or wet ground. The solution is to add soil to level the ground. Ensure good drainage of the lawn before mowing, and not to mow during heavy rain and water logging.

If the boundary wires are in the wrong connectors (so the signal is clockwise not count- er-clockwise) then the mower will attempt to be outside the perimeter. If the mower leaves the area constantly then change the wires around at the charging station (moving the wire in red connector to black and vice versa).

13. MAINTENANCE

- 1) Check and clean mower regularly once a week.
- 2) When you first start using the mower, the blade plate, protections plate and blades should be checked once a month.
- 3) It is important that the blades and blade plate rotate easily.
- 4) Blade edges should not be damaged. Blade life depends on the type of grass, soil, lawn etc.
- 5) Working with dull blades gives a poor mowing result, which needs more power to mow, meaning the mower covers a smaller area at a time.
- 6) Charge the battery fully at the end of the season before winter storage. If storage time is longer than one year you will need to recharge the mower before use.

Winter storage

- 1) Mower must be carefully cleaned before winter storage. Charge the battery fully before storage.
- 2) Store the mower in the station and place in a dry area to protect from frost, preferably stored in the original packaging.
- 3) Boundary wire can be left in your lawn. As the charging station is removed you should protect boundary wire end from moisture with electrical tape.

After winter storage

- 1) Check whether the mower, boundary wire and charging rods need to be cleaned before use. If the charging strips appear to be rusty, clean them by using an emery cloth or suitable abrasive cloth. Check whether the mower time and date are setting correctly.
- 2) Check whether the blades need to be changed.
- 3) Check whether the blades and blade plate turn easily.

14. PRODUCT CARE



Wear protective gloves when handling, cleaning or replacing the blade.

To reduce the risk of injury ensure that safety key is removed when the mower is not in use, being transported, handled or stored.

When the product has reached the end of its life, it and the Li-Ion battery it contains should not be disposed of with general household waste. The battery should be removed from the product and both should be disposed of properly at a recognised recycling facility.

FOR HOUSEHOLD USE ONLY









Electrical products should not be discarded with household products. According to the European Directive 2012/19/EU on waste electrical and electronic equipment and its implementation into national law, electrical products used must be collected separately and disposed of at collection points provided for this purpose. Talk with your local authorities or dealer for advice on recycling.

15. DECLARATION OF CONFORMITY



BUILDER SAS

ZI, 32 rue Aristide Berges – 31270 Cugnaux - France Declares that the machine indicated below:

MOWER ROBOT

HTDER50PW-1

Serial number: 20210876546-20210876595

Complies with the provisions of the Directive "machinery" 2006/42 / EC and national laws transposing it;

Also complies with the following European directives:

LVD Directive 2014/35/EU EMC Directive 2014/30/EU ROHS Directive 2015/863/EU DIRECTIVE RED 2014/53/EU

Is also in line with European standards, with national standards and the following technical provisions:

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

ETSI EN 301 489-1 V2.2.3 (2019-11) ETSI EN 301 489-17 V3.2.4 (2017-02)

EN 55014-1:2017

EN 55014-2:2015

EN IEC 61000-3-2: 2019

EN IEC 61000-3-3: 2013+A1:2019

(IEC 61000-4-2; IEC 61000-4-3; IEC 61000-4-4;

IEC 61000-4-5; IEC 61000-4-6; IEC 61000-4-11)

ETSI EN 300 328 V2.2.2 (2019-07)

EN62311:2020

EN62233:2008

EN62368:2014+A11:2017

EN300328 V.2.2.2

Cugnaux, 11/11/2021

Philippe MARIE / CEO

Responsible of technical file: M. Olivier Patriarca

16. WARRANTY

The manufacturer guarantees the product against defects in material and workmanship for a period of 2 years from the date of the original purchase. The warranty only applies if the product is for household use. The warranty does not cover breakdowns due to normal wear and tear.

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

The warranty does not cover breakdowns due to:

insufficient maintenance.

abnormal assembly, adjustment or operations of the product.

parts subject to normal wear and tear.

The warranty does not extend to:

shipping and packaging costs.

using the tool for a purpose other than that for which it was designed.

the use and maintenance of the machine done in a manner not described in the user manual.

Due to our policy of continuous product improvement, we reserve the right to alter or change specifications without notice. Consequently, the product may be different from the information contained therein, but a modification will be undertaken without notice if it is recognized as an improvement of the preceding characteristic.

READ THE MANUAL CAREFULLY BEFORE USING THE MACHINE.

When ordering spare parts, please indicate the part number or code, you can find this in the spare parts list in this manual. Keep the purchase receipt; without it, the warranty is invalid. To help you with your product, we invite you to contact us by phone or via our website:

+33 (0)9.70.75.30.30

https://services.swap-europe.com/contact

You must create a "ticket" via the web platform.

Register or create your account.

Indicate the reference of the tool.

Choose the subject of your request.

Describe your problem.

Attach these files: invoice or sales receipt, photo of the identification plate (serial number), photo of the part you need (for example: pins on the transformer plug which are broken).



17. PRODUCT FAILURE

WHAT TO DO IF MY MACHINE BREAKS DOWN?

If you bought your product in a store:

- Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.
- Go to the store with the complete machine and with the receipt or invoice.

If you bought your product on a website:

- Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.
- Create a SWAP-Europe service ticket on the site: https://services.swap-europe.com When making the request on SWAP-Europe, you must attach the invoice and the photo of the nameplate (serial number).

Contact the repair station to make sure it is available before dropping off the machine.

Go to the repair station with the complete machine packed, accompanied by the purchase invoice and the station support sheet downloadable after the service request is completed on the SWAP-Europe site

Please keep your original packaging to allow for after-sales service returns or pack your machine with a similar cardboard box of the same dimensions.

For any question concerning our after-sales service you can make a request on our website https://services.swap-europe.com

Our hotline remains available at +33 (9) 70 75 30 30.



18. WARRANTY EXCLUSIONS

THE WARRANTY DOES NOT COVER:

- Start-up and setting up of the product.
- Damage resulting from normal wear and tear of the product.
- Damage resulting from improper use of the product.
- Damage resulting from assembly or start-up not in accordance with the user manual.
- Breakdowns related to carburetion beyond 90 days and fouling of carburetors.
- Periodic and standard maintenance events.
- Actions of modification and dismantling that directly void the warranty.
- Products whose original authentication marking (brand, serial number) has been degraded, altered or withdrawn.
- Replacement of consumables.
- The use of non-original parts.
- Breakage of parts following impacts or projections.
- Accessories breakdowns.
- Defects and their consequences linked to any external cause.
- Loss of components and loss due to insufficient screwing.
- Cutting components and any damage related to the loosening of parts.
- Overload or overheating.
- Poor power supply quality: faulty voltage, voltage error, etc.
- Damages resulting from the deprivation of enjoyment of the product during the time necessary for repairs and more generally the costs related to the immobilization of the product.
- The costs of a second opinion established by a third party following an estimate by a SWAP-Europe repair station
- The use of a product which would show a defect or a breakage which was not the subject of an immediate report and/or repair with the services of SWAP-Europe.
- Deterioration linked to transport and storage*.
- Launchers beyond 90 days.
- Oil, petrol, grease.
- Damages related to the use of non-compliant fuels or lubricants.

* In accordance with transport legislation, damage related to transport must be declared to carriers within 48 hours maximum after observation by registered letter with acknowledgement of receipt.

This document is a supplement to your notice, a non-exhaustive list.

Attention: all orders must be checked in the presence of the delivery person. In case of refusal by the delivery person, it you must simply refuse the delivery and notify your refusal.

Reminder: the reserves do not exclude the notification by registered letter with acknowledgement within 72 hours.

Information:

Thermal devices must be wintered each season (service available on the SWAP-Europe site). Batteries must be charged before being stored.



For Inquiries, please contact:

BUILDER SAS

32, Rue Aristide Bergès Z1 31270 Cugnaux, France Tél.: +33(0)5.34.502.502 Fax: +33(0)5.34.502.503 http://www.hyundaipower-fr.com/Fabriqué en République Populaire de Chine(PRC)