



# LX835 Robot Lawn Mower with Perimeter Wire Owner's Manual

[Home](#) » [LX](#) » LX835 Robot Lawn Mower with Perimeter Wire Owner's Manual 



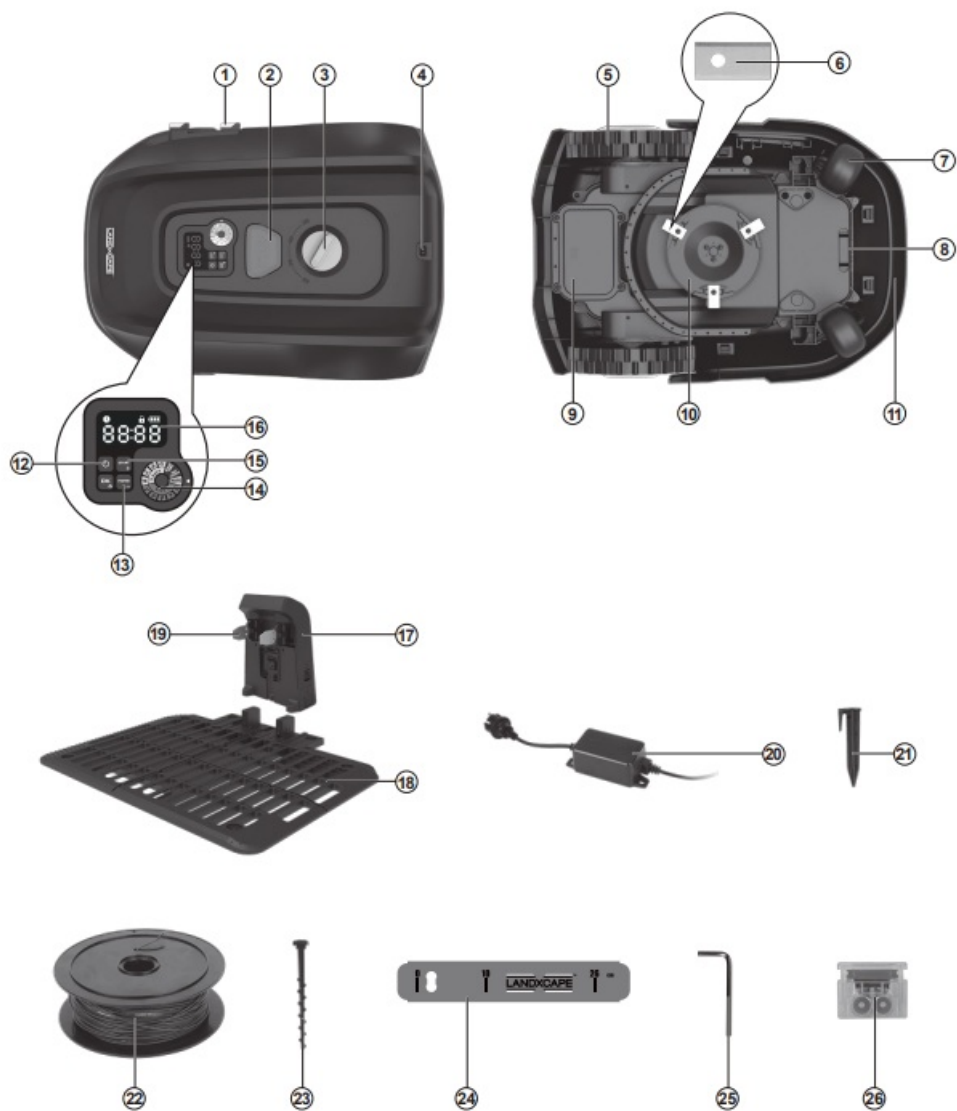
Robot Lawn Mower with Perimeter  
Wire Owner's Manual  
LX835 LX910

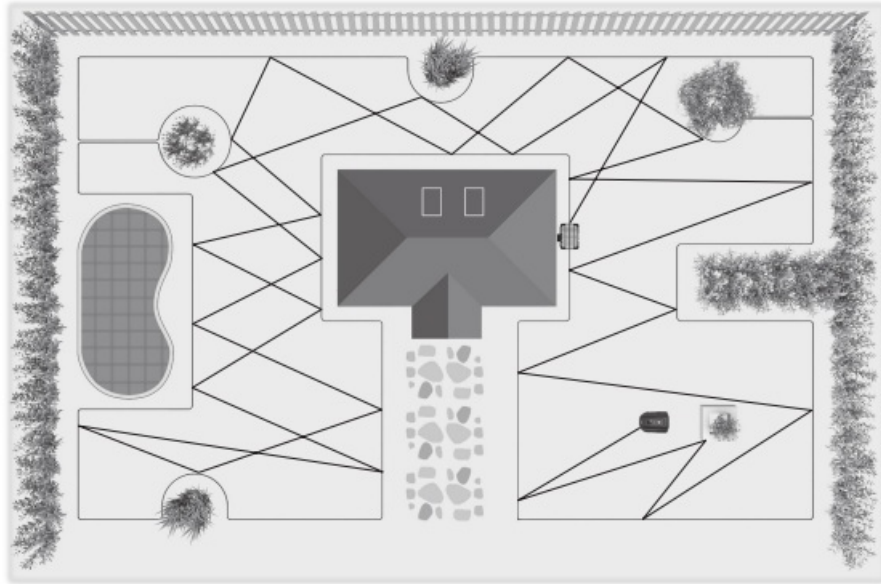
## Contents

- [1 LX835 Robot Lawn Mower with Perimeter Wire](#)
- [2 Product Safety](#)
- [3 Control panel](#)
- [4 Understanding Your Landxcape<sup>TM</sup>](#)
- [5 Boundary Wire Basics](#)
- [6 Software update](#)
- [7 Maintenance](#)
- [8 Function Messages](#)
- [9 Error Messages](#)
- [10 Troubleshooting](#)
- [11 Accessories](#)
- [12 Documents / Resources](#)

## LX835 Robot Lawn Mower with Perimeter Wire

The picture is only for reference

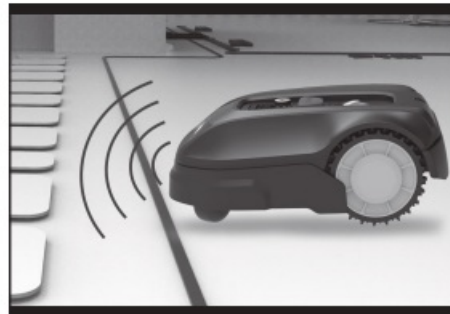




**A**



**B**



**C**



**D**



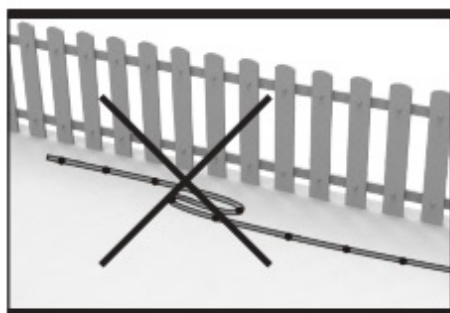
**E1**



**E2**



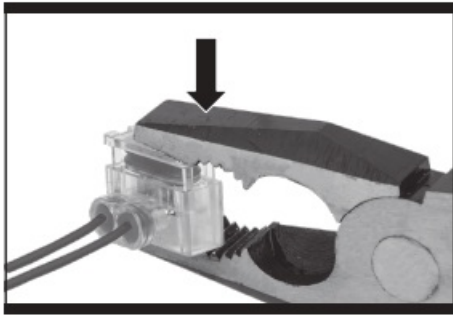
**F**



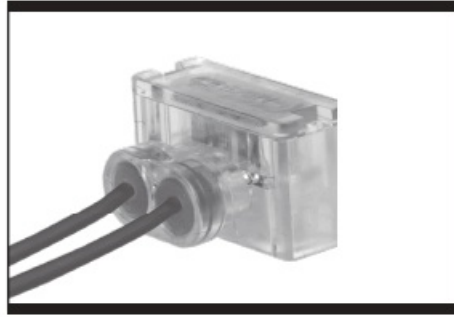
**G**



**H**



**I1**



**I2**



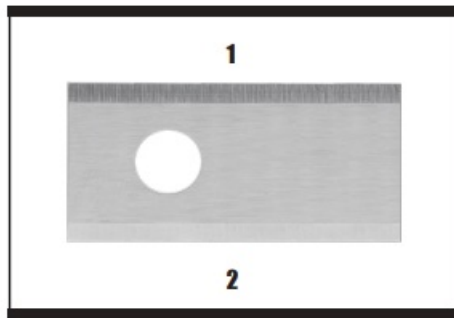
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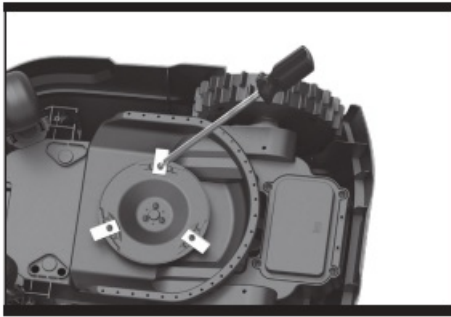
**J2**



**J3**



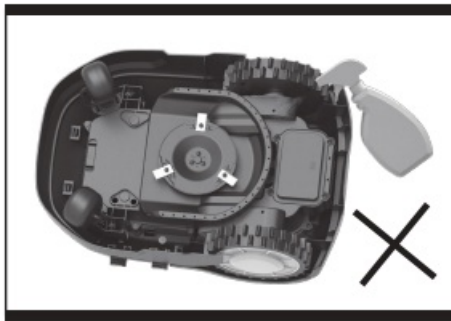
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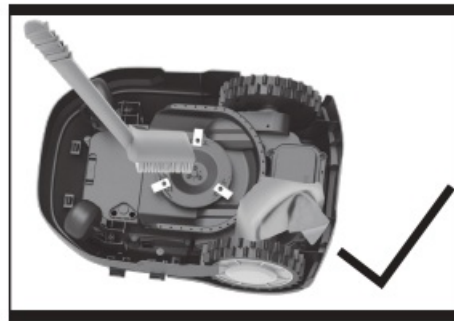
**L**



**M**



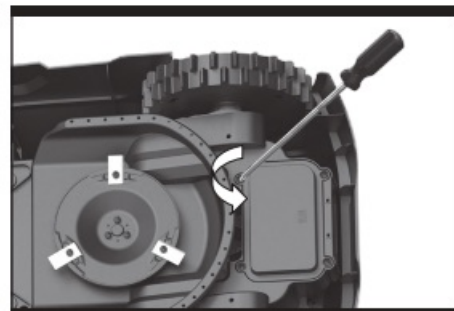
**N1**



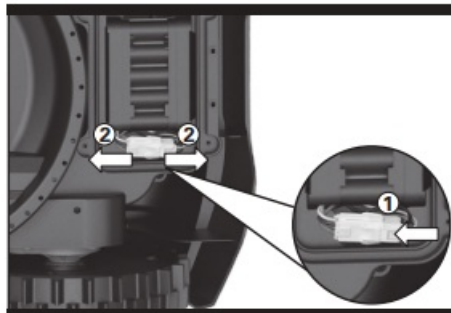
**N2**



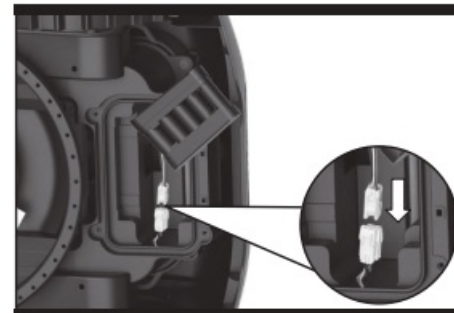
**O**



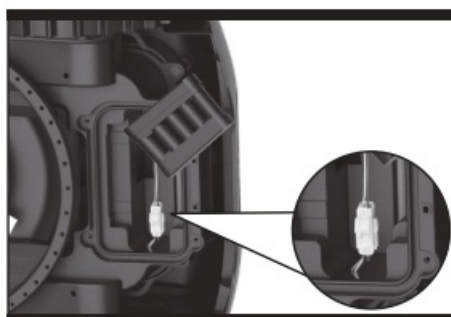
**P1**



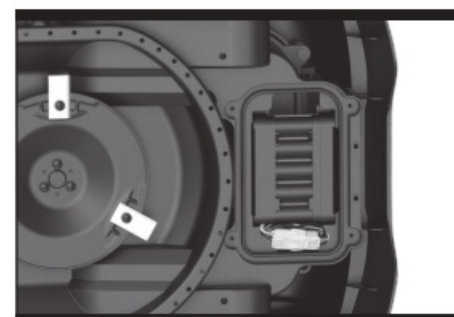
**P2**



**P3**



**P4**



**P5**

Users can view the electronic instructions at <https://landscape-robotics.com>.

## Product Safety

### 1.1 General & Additional Safety Instruction



**WARNING:** Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Carefully read the instructions for the safe operation of the machine.

Save all warnings and instructions 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 appliance contains batteries that are only replaceable by skilled persons.

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

## IMPORTANT

### READ CAREFULLY BEFORE USE KEEP FOR FUTURE REFERENCE

## SAFE OPERATION PRACTICES

### Training

- a) Read the instructions carefully. Make sure you understand the instructions and be familiar with the controls and the proper use of the appliance;
- b) Never allow people unfamiliar with these instructions or children to use the appliance.  
Local regulations can restrict the age of the operator;
- c) The operator or user is responsible for accidents or hazards occurring to other people or their property.

### Preparation

- a) Ensure the correct installation of the boundarywire as instructed.
- b) Periodically inspect the area where the appliance 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 appliances, take care as rotating one blade can cause other blades to rotate.
- e) **WARNING!** The lawnmower shall not be operated without the guard in place.

## OPERATION

### 1. GENERAL

- a) Never operate the appliance with defective guards, or without safety devices, for example deflectors, 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 appliance while the motor is running.
- d) Operate the disabling device from the appliance:
  - Before clearing a blockage;
  - Before checking, cleaning or working on the appliance;
  - After striking a foreign object to inspect the machine for damage;
  - If the machine starts to vibrate abnormally, and to check for damage before restarting.

- e) It is not permitted to modify the original design of robotic lawnmower. All modifications are made at your own risk.
- f) Start robotic lawnmower according to the instructions. When the power key is switched on, make sure you keep your hands and feet away from the rotating blades. Never put your hands and feet under the mower.
- g) Never lift up robotic lawnmower or carry it when the power key is switched on.
- h) Do not let persons who do not know how robotic lawnmower works and behaves use the mower.
- i) Do not put anything on top of robotic lawnmower or its charging station.
- j) Do not allow robotic lawnmower to be used with a defective blade disc or body. Neither should it be used with defective blades, screws, nuts or cables.
- k) Always switch off robotic lawnmower when you do not intend to use the mower. Robotic lawnmower can only start when the power key is switched on and the correct PIN code has been entered.
- l) Keep your hands and feet away from the rotating blades. Never place your hands or feet close to or under the body when robotic lawnmower is in operation.
- m) To avoid using the machine and its peripherals in bad weather conditions especially when there is a risk of lightning.
- n) Not to touch moving hazardous parts before these have come to a complete stop.
- o) For machines used in public areas, that warning signs shall be placed around the working area of the machine. They shall show the substance of the following text:



**WARNING!** Automatic lawnmower! Keep away from the machine! Supervise children!

## 2. ADDITIONALLY WHEN THE APPLIANCE IS OPERATING AUTOMATICALLY

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

## MAINTENANCE AND STORAGE



When the mower is turned upside down the power key must always be switched off.

The power key should be switched off during all work on the mower's underframe, such as cleaning or replacing the blades.

- a) Keep all nuts, bolts and screws tight to be sure the appliance is in safe working condition.
- b) Inspect the robotic lawnmower each week and replace worn or damaged parts for safety.
- c) Check especially that the blades and blade disc are not damaged. Replace all blades and screws at the same time if necessary so that the rotating parts are balanced.
- 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 appliance should be according to manufacturers' instructions.

### Recommendation

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

### Residual risks

To avoid injuries, wear protective gloves when replacing the blades.

### Transport

The original packaging should be used when transporting robotic lawnmower over long distances.  
To safely move from or within the working area:

a) Press the STOP button to stop the mower.

You select the four digit PIN code when you start the mower for the first time.

b) Always switch off robotic lawnmower if you intend to carry the mower.

c) Carry the mower by the handle at the front under the mower. Carry the mower with the blade disc away from the body.

### **RF exposure requirements**

To satisfy RF exposure requirements, a separation distance of 200mm or more should be maintained between this device and persons during device operation.

To ensure compliance, operations at closer than this distance is not recommended. The antenna used for this transmitter must not be co-located in conjunction with any other antenna or transmitter.

This is a class III appliances and it must only be supplied at safety extra low voltage corresponding to the marking on the appliance.

Safety Warnings for battery pack inside the tool

a) Do not dismantle, open or shred battery pack.

b) Do not short-circuit a battery pack. Do not store battery packs haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials. When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.

c) Do not expose battery pack to heat or fire. Avoid storage in direct sunlight.

d) Do not subject battery pack to mechanical shock.

e) In the event of battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.

f) Keep battery pack clean and dry.

g) Recharge only with the charger specified by Landxcape .

Do not use any charger other than that specifically provided for use with the equipment.TM

h) Do not use any battery pack which is not designed for use with the equipment.

i) Keep battery pack out of the reach of children.

j) Retain the original product literature for future reference.

k) Dispose of properly.

l) Do not mix cells of different manufacture, capacity, size or type within a device.

m) Keep the battery away from microwaves and high pressure.

n) Warning! Do not use non-rechargeable batteries.

User manual requirements for wireless product

a) Operation of this device is subject to the following two conditions:

(1) This device may not cause harmful interference, and













(2) this device must accept any interference received, including interference that may cause undesired operation.

b) Caution: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

c) NOTE: This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

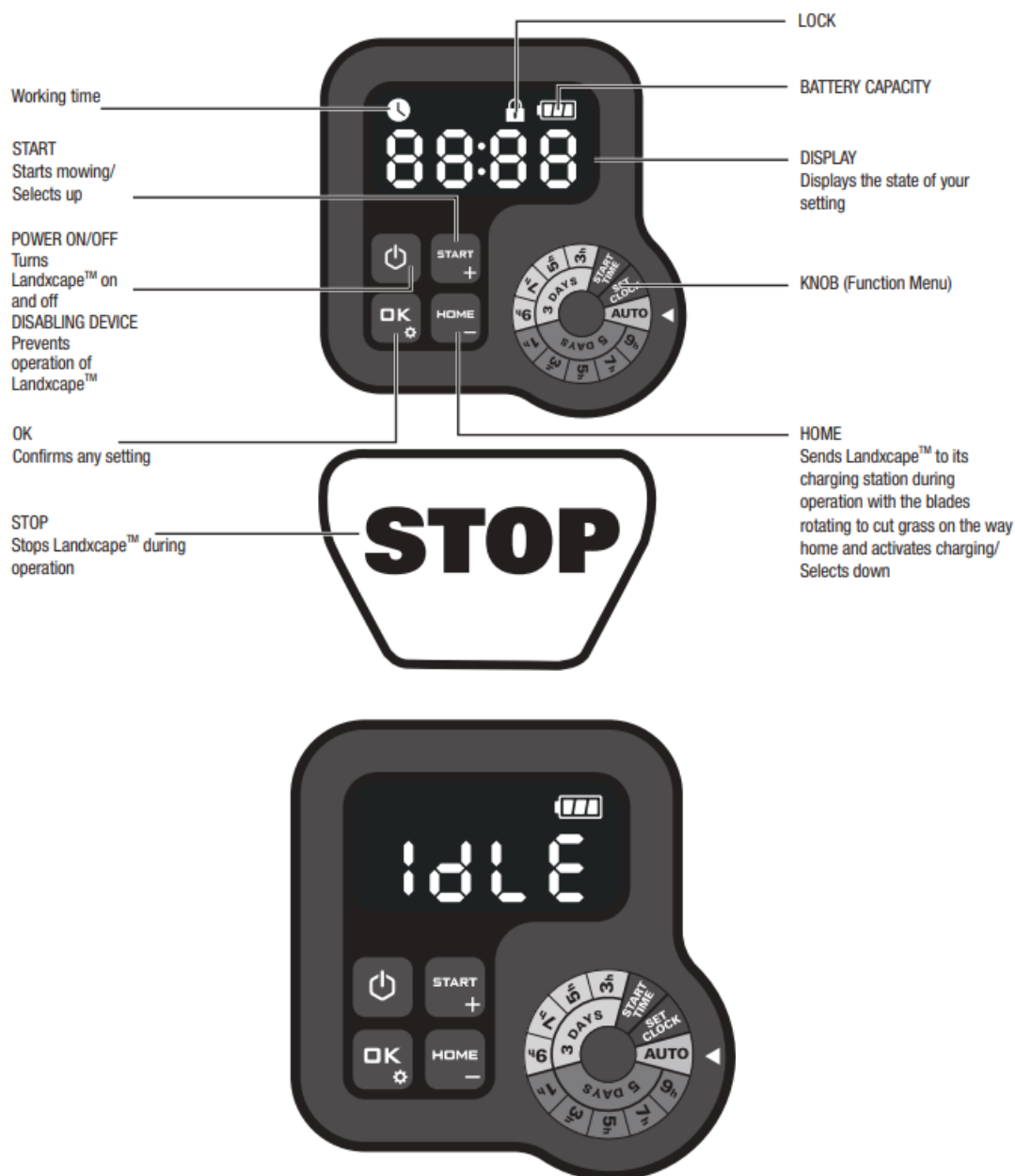
## **1.2 Information on the LandxcapeTM**

	<b>WARNING</b> – Robotic lawnmower can be dangerous if incorrectly used. Read through the Operator's manual carefully and understand the content before using your robotic lawnmower.
	<b>WARNING</b> – Keep a safe distance from the machine when operating.
	<b>WARNING</b> – Keep a safe distance from the machine when operating.
	<b>WARNING</b> – Do not ride on the machine.
	Do not burn
	Batteries may enter water cycle if disposed improperly, which can be hazardous for ecosystem. Do not dispose of waste batteries as unsorted municipal waste.
	Li-Ion battery. This product has been marked with a symbol relating to 'separate collection' for all battery packs and battery pack. It will then be recycled or dismantled in order to reduce the impact on the environment. Battery packs can be hazardous for the environment and for human health since they contain hazardous substances.
	Do not wash the machine with a high pressure washer
	Class III appliance
	Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice.
	Read operator's manual
	Detachable supply unit


### Intended Use

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







### Control panel



**STANDBY PAGE:** Landxcape TM is not in the working hours.

**SLEEP PAGE:** The icon  is displayed.  
Landxcape TM is fully charged and is not in the working hours.

## Start

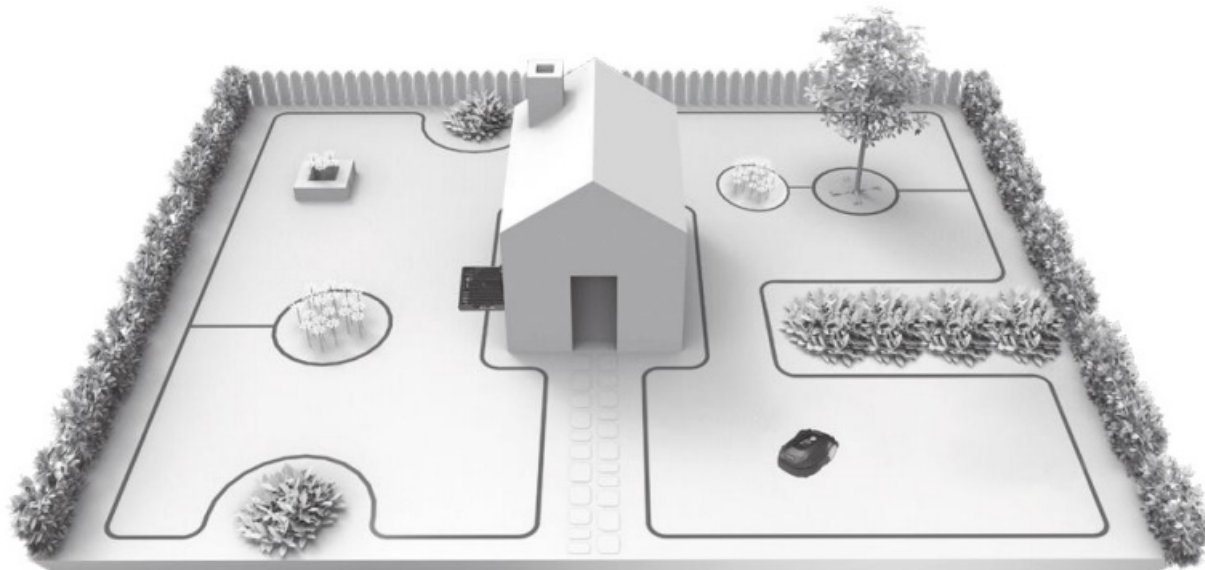
1. After the boundary wire installation, you can start using Landxcape™ (Please refer to Installation Guide for boundary wire installation).
2. Press  until Landxcape turns on. For the first use, input the default PIN code 0000 by pressing  for four times when the number 0 is blinking. (The PIN code can be changed, please refer to “4.3 Setting”).  
NOTE: Landxcape will turn off if it does not receive any input within 30 seconds after it is turned on. If you enter wrong PIN code three times, Landxcape TM will raise the alarm “di-di” and then turn off.
3. Press , then press  to start mowing.
4. Press  then  to make Landxcape TM go to the charging station, with the blades rotating to cut grass on the way home.

Landxcape TM will work continuously until reaching low battery power level and then it will return to the charging station. Once charging is complete, Landxcape TM will automatically resume mowing or it stay in the charging station according to the mowing schedule.

**NOTE:** When LandxcapeTM turns on, all lights on the display will be illuminated and then turn off. Check if there is any light damaged. It is recommended to shield the display with your hand when the outdoor light gets too strong.

## Understanding Your LandxcapeTM

Congratulations on your new purchase of Landxcape and welcome to the care-free life of automatic mowing. In the following, we want to help you to better understand how your Landxcape TM thinks.



### 4.1 How does my LandxcapeTM know what to mow?

LandxcapeTM chooses its direction at random. It will make sure your entire lawn is evenly mowed without leaving unattractive mowing paths (See Fig. A).

### 4.2 How does my Landxcapeknow TMwhere to go?

Your LandxcapeTM knows when it needs to go to its charging station to charge, can sense when it is raining, can stop itself if it senses a problem, and knows to stop, draw back, and turn around when it bumps into something blocking its path. LandxcapeTM is made to work on its own. Landxcape TM will also automatically stop its blade turning disc from rotating if it is lifted off the ground to prevent an accident.

#### A. Finding the Charging station

When your LandxcapeTM needs to recharge, it will stop mowing and follow the boundary wire in an anti-clockwise direction back to its charging station.

#### B. Rain sensors




LandxcapeTM is equipped with a rain sensor which detects rain and tells LandxcapeTM to stop mowing and follow the boundary wire back to its charging station (See Fig. B). LandxcapeTM will resume mowing after passing the delay time. The default delay time is 180mins.

When the rain sensors are wet, Landxcape returns to its charging base. When the rain sensors are dry, Landxcape TM will begin the delay time countdown. If you want to exit from the rain delay, dry the sensor area, and perform a power cycle by operating the on/off key. After the power cycle has been performed, you can operate again.


#### C. Sensing the boundary wire

Landxcape TM always obeys the border set by the boundary wire and uses sensors at its front to detect it. (See Fig. C)

## D. Starting and stopping while mowing (See Fig. D, E1, E2)

To start mowing, press the on/off key and input the PIN code. Press , then press . If you would like LandscapeTM to stop mowing, simply press  the STOP button on top of the mower. If Landscape TM senses something is wrong, it will display a fault message on the display. For information on these messages, refer to “9.Error

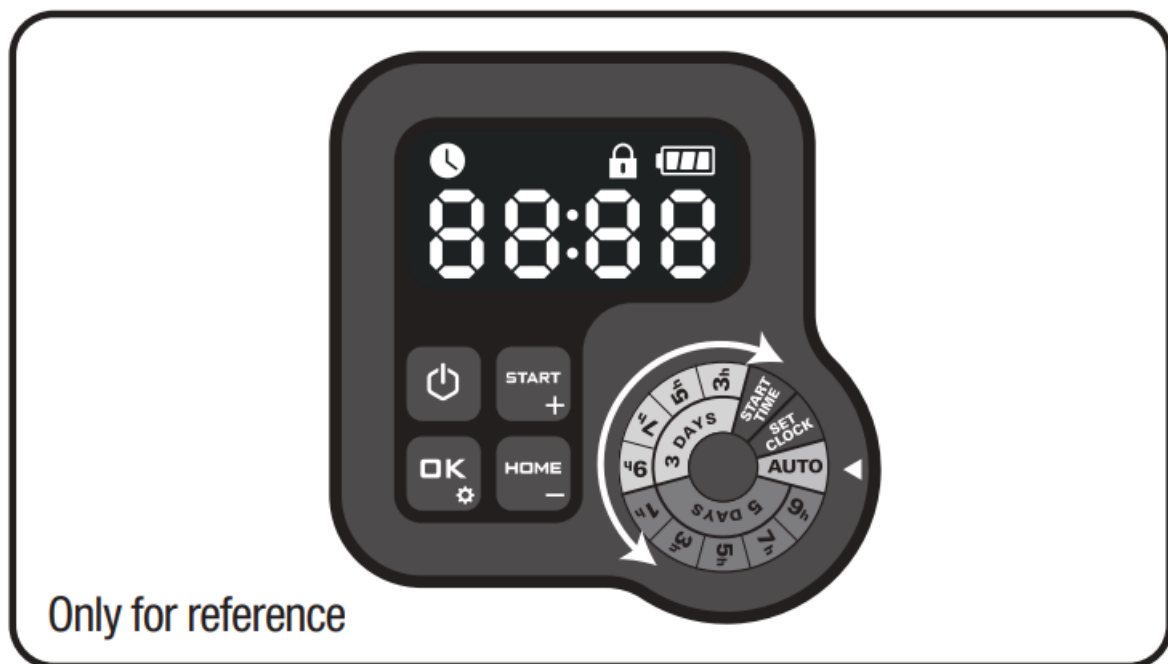
Messages”. Landscape TM will turn off if it does not receive any input from the user within 20 minutes. To resume:

- Press , then  press
- Now Landscape TM will begin to mow!

### 4.3 Setting









Before starting your LandscapeTM for the first time, you should cut the grass to the height 6 cm or lower with your ordinary lawn mower or trimmer .Then, set the cutting height of your Landscape TM to its maximum setting (6 cm) for its first time mowing. And you can do the program setting manually by rotating the knob.

**NOTE:** When doing the program setting manually, Landscape TM will enter the standby page if it does not receive any input from the user within several seconds.

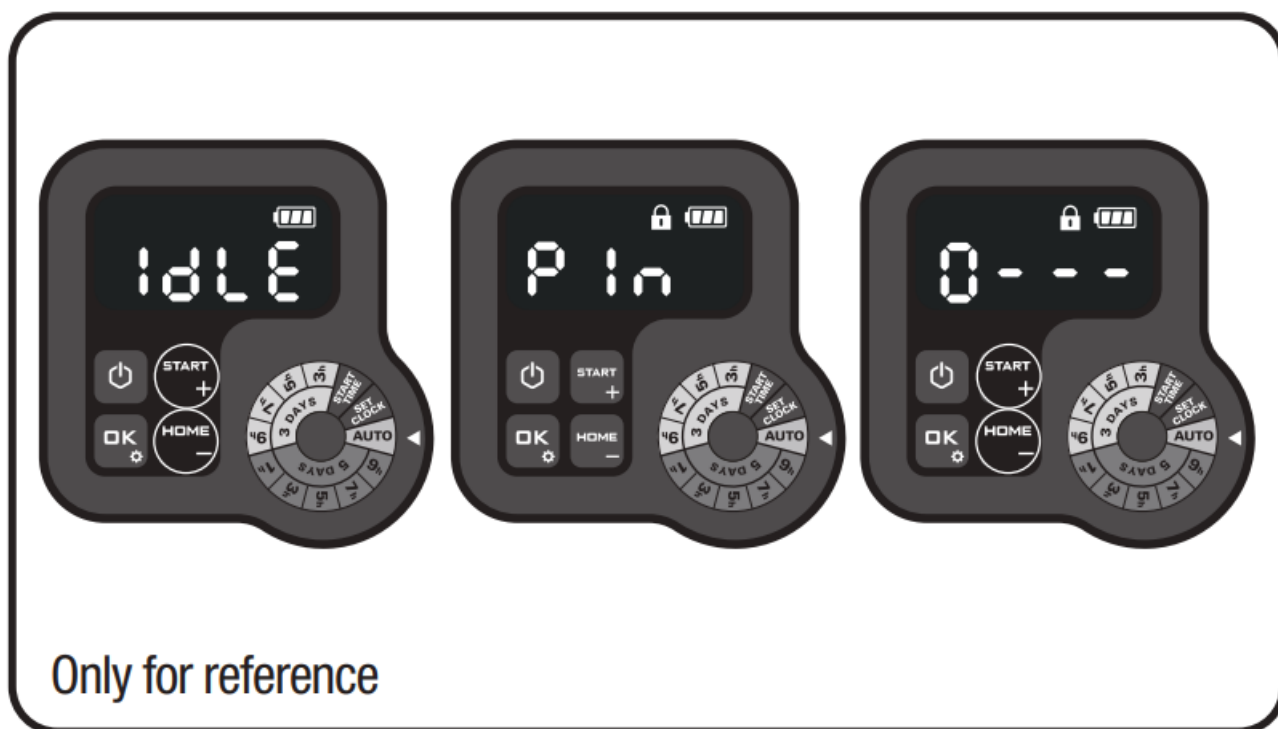


As the picture shown above ,you can clockwise and anticlockwise rotate the knob. Please be attention to the arrow on the right of the knob which points to the function you have chosen.

#### (1)Change PIN code

To change the PIN code, keep pressing both  and  buttons at the same time for 5 seconds. The icon  will be blinking, and “OLD P I N” will be rolling flashing. After that, the first number will be blinking, use  or  to input the old PIN code and press  to confirm. The next number will be blinking. Use the same method to complete other numbers. Then, “P I N” will be rolling flashing , the first number will be blinking and use  or  to select the number you want and press to confirm. The next number will be blinking. Use the same method to complete other numbers. For example, the new PIN code is set to be 0326. After that, “






P 1n2" will be rolling flashing and the first number will be blinking again. Use the same method to input the new PIN code you set just now (in this example, 0326 ). Then "P 1n0326" will be rolling flashing on the display. Your PIN code has been changed successfully.

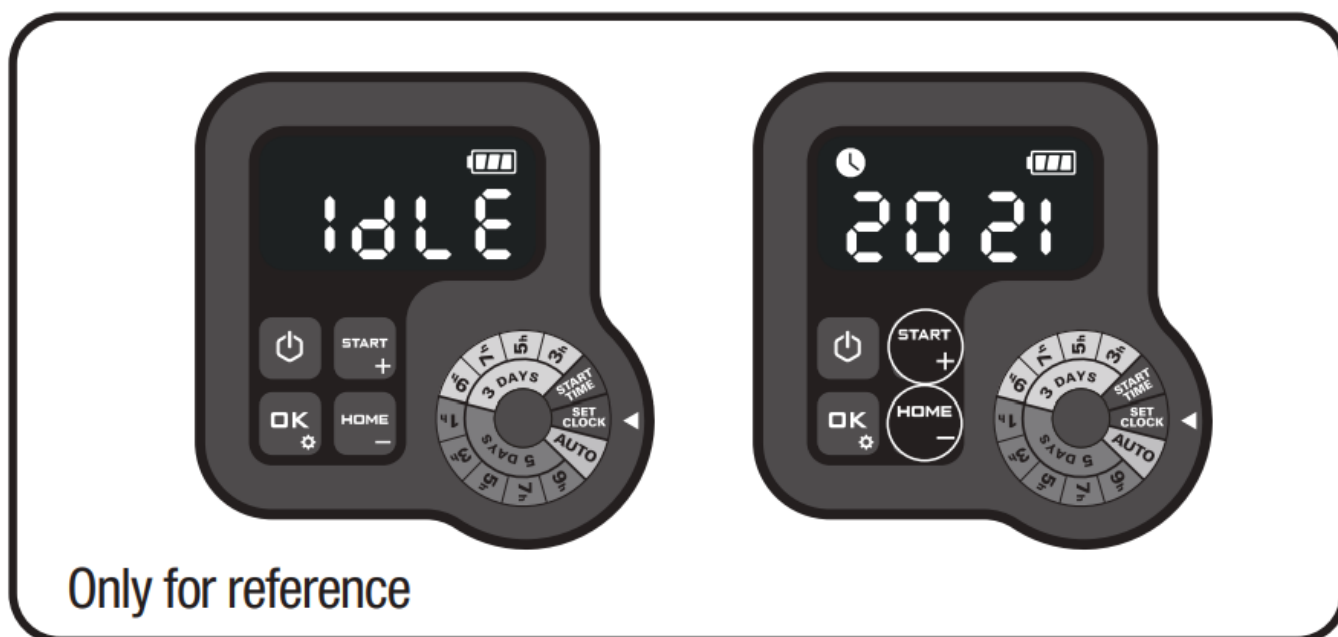







## (2) Set year, date and time

Set year, date and time are compulsory setting items. If you don't set these items, it will influence the schedule time in the following setting.





These items should be set in the order of year, date and time.

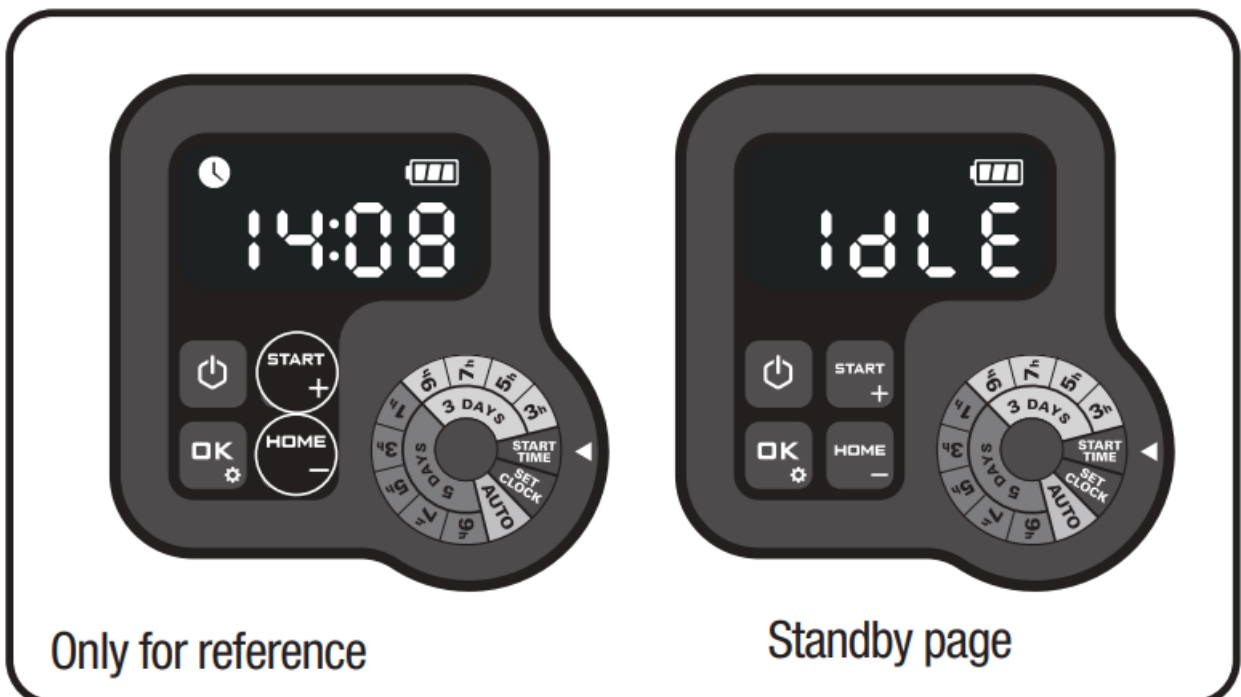
For the year setting, rotate knob to . The icon  and a number are blinking on the display, for example, 20 21. Use  or  to select the year you want. Then press  to confirm to finish the year setting.




Meanwhile, the icon  will be flashing again and a number will be displayed to indicate the date, for example, **20 21**, meaning September 29. When **09** is flashing, use  or  to select the number and press  to confirm. Then **09** will be flashing. Use the same method to select the number and press  to confirm to finish the date setting.








Meanwhile, the icon will be flashing and the time will be displayed, for example, **14:08**. When **14** is blinking, use  or  to select the number and press to  confirm. Then **08** will be blinking, use the same method to select the number and press  to confirm. Now the time setting is completed and Landscaper TM will enter the standby page.

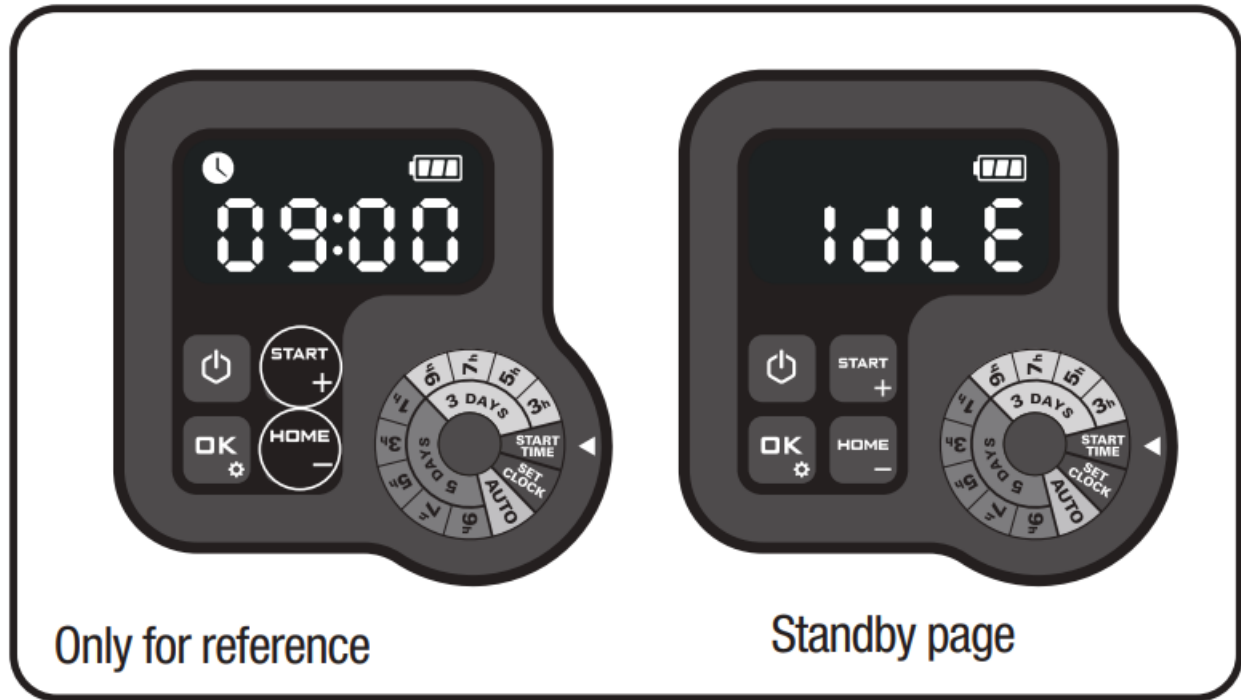


### (3) Change default start time

The default start time of your mower is 09:00, it can be changed anytime by rotating knob to . When start

time is selected, the display will show the default start time (09:00). The icon  and a number are blinking on the display. When **09** is blinking, use **START**  or **HOME**  to select the number and press **OK**  to confirm. Then will be blinking, use the same method to select the number and press **OK**  to confirm. Now the start time setting is completed and Landxcape TM will enter the standby page. For example, set the start time 10:30 by using the method above, and




your Landxcape TM will start mowing from 10:30.

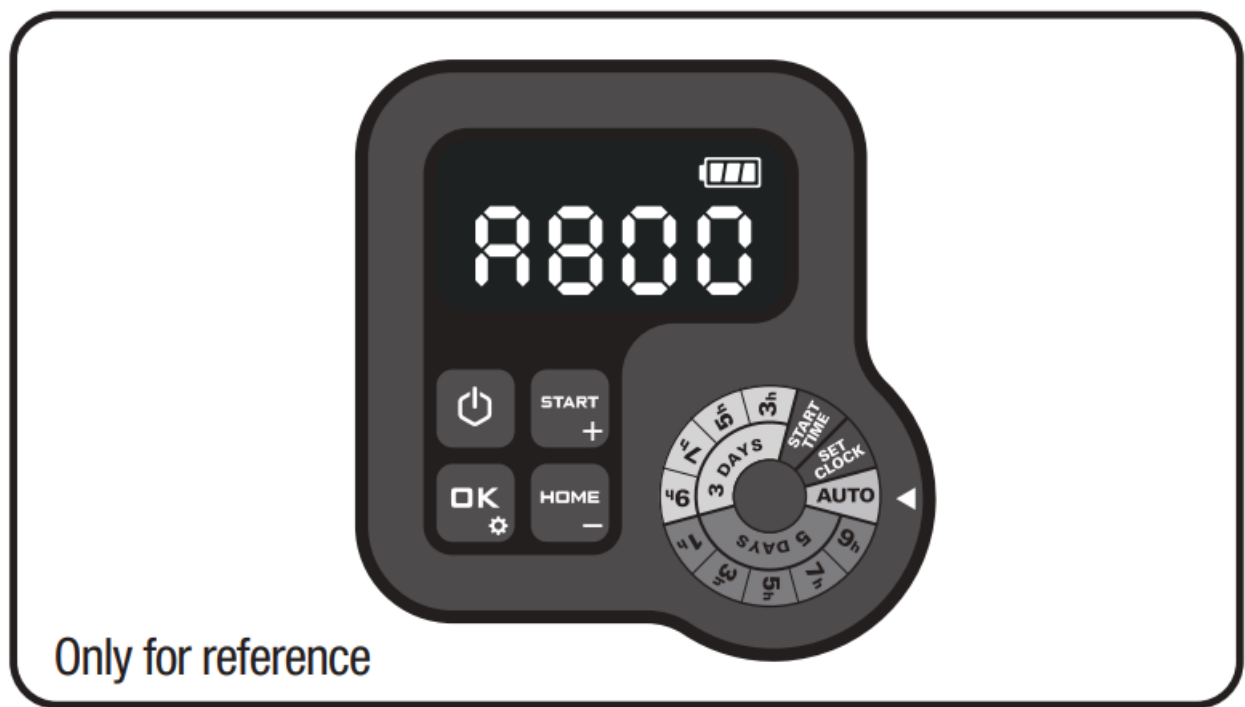


#### (4) Set working schedule

Option 1: AUTO (Recommended working schedule according to area setting)

Rotate knob to **AUTO** . For example **A800**. The number will be blinking.

Use **START**  or **HOME**  to select the lawn area you want, and press **OK**  to confirm.



The default working time of Landxcape<sup>TM</sup> can be found in following table:

Schedule							
Area (m <sup>2</sup> )	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
50	/	/	work*	/	/	work*	/
100	/	work*	/	work	/	work*	/
150	/	work*	work	work	work	work*	/
200 — 1000**	/	work*	work	work	work	work*	/

\* Border cut will be done on initial mowing of the day.

\*\* In this case, the work time from Monday to Friday is different according to area you set.

#### Option 2: Set working schedule manually

You can adjust the work time easily by rotating the knob. Rotate knob to select the working time you want. For

example “3d3h”, which means your Landxcape<sup>TM</sup> will work on 3 days (Monday, Wednesday and Friday) and lasts for 3 hours on each day.

**Note:** Keep the work time you have set on the knob, your Landxcape<sup>TM</sup> will work based on it circularly.

For example, when you set the start time at 10 am and work time on 3d3h, then your Landxcape<sup>TM</sup> will mow circularly from 10 am to 1 pm on Monday, Wednesday and Friday. If you start your Landxcape<sup>TM</sup> at 2pm on Tuesday, your Landxcape<sup>TM</sup> will mow once only.

The following two tables are detailed information:

**TABLE 1**

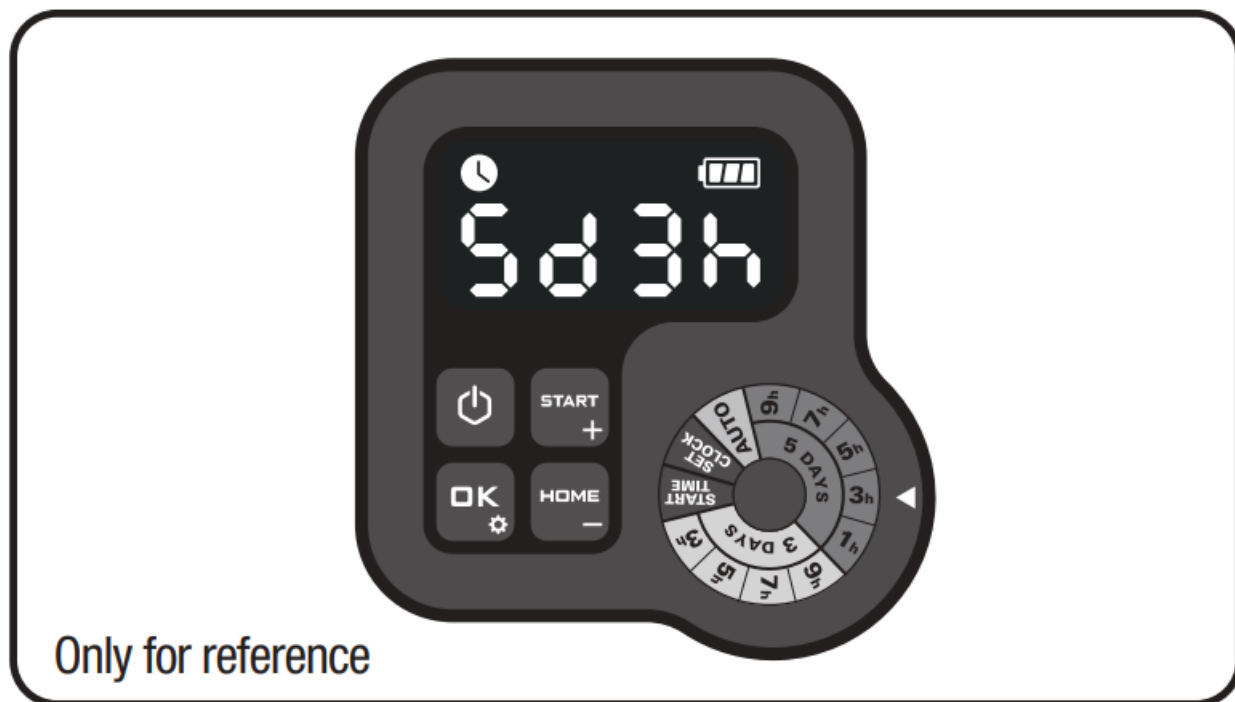
Schedule							
Area (m2)	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
50	/	/	work*	/	/	work*	/
100	/	work*	/	work	/	work*	/
150	/	work*	work	work	work	work*	/
200 — 1000**	/	work*	work	work	work	work*	/





TABLE 2

Schedule							
Area (m2)	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
50	/	/	work*	/	/	work*	/
100	/	work*	/	work	/	work*	/
150	/	work*	work	work	work	work*	/
200 — 1000**	/	work*	work	work	work	work*	/

\* Border cut will be done on initial mowing of the day.



Note: During the operation according to the working schedule, press  and , Landxcape TM can be forced to end work of the day .

#### 4.4 How efficiently will my Landxcape TM mow the grass?

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

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

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

Unlike most other mowers, Landxcape TM uses a side charging system, which is able to cut the surrounding grass as much as possible. The holes on the bottom of the charging base allow the grass to grow through the base to help disguise it and create an elegant appearance.

Landxcape TM's cutting height can be adjusted. Before starting your TM Landxcape for the first time, you should cut the grass to the height no more than 6 cm with your manual lawnmower. Then, set the cutting height of your Landxcape TM to its maximum setting (6 cm) for its first time mowing. (See Fig. F) Your Landxcape TM will cut best in dry weather. It is also feasible to let your Landxcape TM work on rainy days as long as the lawn is solid. Check and clean your mower regularly.

Your Landxcape TM is afraid of lightning storms. In case of a lightning storm, protect Landxcape TM by unplugging the charging station, disconnecting the boundary wire, and making sure Landxcape TM is not allowed to charge.

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

- Never let Landxcape TM travel over gravel.
- Remove or prevent access to obstacles that Landxcape TM could accidentally climb on and damage its blade turning disc.

- Remove all debris and foreign objects from your lawn.

## Boundary Wire Basics

### 5.1. Pegging the Boundary Wire

Use the boundary wire distance gauge to set the correct distance between the wire and the border of your lawn (more than 26cm). This is the recommended distance. The provided distance gauge ensures proper installation. If your neighbor also uses a Landxcape TM, keep a spacing of at least 1 metre between your boundary wire and your neighbor's.



The boundary wire must outline the intended mowing area exactly. Your Landxcape TM will become confused by extra bends or coils of boundary wire that are not part of its mowing area (See Fig. G).

If there is excess boundary wire after the mowing area has been outlined, cut it off and store this additional wire in a separate location.

It is important to leave the necessary length where it connects to the charging station so it can be connected and still remain buried.

### 5.2 Burying the Boundary Wire

If you are planning to bury the boundary wire, it is recommended to first peg it down. This allows you to easily change the layout if necessary before burying the wire. When the boundary wire installation is complete, have

Landxcape TM follow  and  check the path by pressing and . This allows your Landxcape TM to adjust to its new environment. While observing Landxcape TM you can easily make alterations to the boundary wire to ensure Landxcape TM's trouble-free tracking when locating the charging station. Confirm that Landxcape TM docks in the charging station successfully, and bury the wire if desired.


### 5.3 Joining the boundary wire

If you want to extend and splice the boundary wire, use a connector.

The connector is waterproof and provides optimal connection.

Insert both wire ends in any two of the three holes of the connector.

Insert the wires fully until both wire ends are visible on the other side of the connector. (See Fig. H) Press the connector together by using a pair of pliers. (See Fig. I1, I2)


 **WARNING!** It is not recommended to simply splice the boundary wire with insulating tape or use a screw terminal block for connection. A broken circuit may occur after a period of time as soil moisture can oxidize the wire.

## Software update

The software can be updated when new versions become available.

The latest software can be downloaded from our website [www.landxcape-robotics.com](http://www.landxcape-robotics.com).

Update via USB. See below for download and installation instructions:

1. Locate the latest software version at: [www.landxcape-robotics.com](http://www.landxcape-robotics.com). Save the file to an empty FAT32 formatted USB (flash drive). Delete any other files on the drive and check the format. If the drive is not formatted in FAT32, please reformat the drive.
2. Place Landxcape TM on a secure and level surface. Press  to turn off your Landxcape TM.
3. Insert the USB drive (flash drive) in the port. (See Fig. J1)
4. Turn Landxcape TM on. The update will begin automatically. Wait until the display shows "USB" (See Fig. J2), then remove the USB drive (flash drive) and tightly close the protective cover. When the display shows "

0 - - -", the update is complete and Landxcape TM will enter the PIN page.

The manual included with your LandxcapeTM is based on the default software at the time of production. Some new features/functions in the new version may not exist in the manual. If you found some settings not in the manual, please

visit [www.landxcape-robotics.com](http://www.landxcape-robotics.com) to download the latest manual.

## Maintenance

Your LandxcapeTM works hard and needs to be cleaned and checked from time to time. Some parts will require replacement as they become worn. Never use your LandxcapeTM with defective main switch.

Switch off the machine before carrying out any service or maintenance.

Here's how to take care of your Landxcape TM.

### 7.1 Keep it sharp



**WARNING:** Before cleaning, adjusting, or replacing the blades, turn your LandxcapeTM OFF and put on protective gloves.



**WARNING:** When fitting new blades, make sure you replace ALL the blades. Always use new screws when fitting blades. This is important to ensure blade retention and balance the blade turning disc. Failure to use new screws could cause serious injury.

Landxcape TM does not cut grass like other mowers. Its cutting blades are razor sharp on 2 edges and rotate in both directions for maximum cutting capacity (See Fig. K). Each blade of your Landxcape TM has 2 cutting edges. The blade turning disc will make forward and reverse rotation at random to use both cutting edges and minimize the frequency of replacing the blades. Each cutting blade will last up to 2 months when it is programmed to mow everyday. Always check to see if the blades are chipped or damaged and replace them if they are. When the cutting blades are dull and worn out, they should be replaced with the spare blades provided with your Landxcape TM . Spare blades are also available at your nearest Landxcape TM retailer.

#### A. Replace the Blades

After some time, usually every season, your Landxcape TM 's Blades will need to be replaced. When replacing the blades, make sure to replace ALL of them at the same time. You can replace them with one of the spare blade kits and extra blade screws supplied ith your Landxcape TM . Before attempting to replace your Landxcape TM 's blades, turn the power off and put on protective gloves and follow these steps:

1. Gently flip Landxcape TM over.
2. Remove the battery cover and remove the battery.
3. Take the screws off the blades with a screwdriver. (See Fig. L)
4. Firmly screw on the new blades.
5. Refit the battery and the battery cover.

**IMPORTANT:** After screwing the blade to the blade disc, make sure the blade is able to spin freely.

### 7.2 Keep it clean



**WARNING:** Before cleaning, turn your Landxcape TM OFF.

Put on protective gloves before cleaning the blade turning disc and do not rinse or flush with water.


#### A. Cleaning the body

Your Landxcape TM will live a much happier and longer life if it is cleaned regularly. Although, since your Landxcape TM is an electric machine, you will need to take care when cleaning. DO NOT use a hose, high pressure washers and do not pour running water on your Landxcape TM . It is best to use a spray bottle filled with water.

When cleaning the machine body, use a soft brush or clean cloth and avoid using solvents or polishes (See Fig. M). Lastly, remove all build up of grass clippings and debris.

## **B. Cleaning the Underside**

Again, it is important that you power Landxcape TM OFF and wear protective gloves before touching the blade turning disc. First, flip your Landxcape TM upside down to expose its underside. Here you will see the blade disc, the chassis, and the front wheel and driving wheels. Clean everything thoroughly with a soft brush or moist rag.

 **WARNING:** NEVER clean the underside of Landxcape TM with running water. Component damage can occur. (See Fig. N1, N2) Rotate the blade disc to ensure it rotates freely. Check the blades spin freely around the fixing screws. Remove any obstructions.

**IMPORTANT:** Remove any lodged debris so that it does not cause a crack in the blade disc. Even the tiniest crack can decrease your Landxcape TM 's mowing output.

## **C. Clean the contact pins and the charging strips**

Clean the contact pins located on the charging station and the charging strips located on Landxcape TM using a cloth. Remove any built up grass clippings or debris around the contact pins and chargestrips periodically to ensure Landxcape TM successfully charges each time.

## **7.3 Battery life**

The heart of Landxcape is its 20V Li-Ion battery. For proper storage of the battery, make sure it is fully charged and kept in a cool dry place.

NOTE: The recommended Landxcape TM operation temperature is between 0-55 °C.

The life-span of Landxcape 0 's battery depends on various factors, such as:

- The length of the mowing season in your region
- Amount of hours Landxcape TM mows per day
- Battery maintenance during storage

Landxcape can be charged manually without the boundary wire.

1. Connect the charging station to a suitable power supply.

The green light on the charging station will turn on.

2. Manually dock Landxcape TM into the charging station while Landxcape TM is powered off. (See Fig. O)
3. The green light on the charging station will be flashing. Landxcape TM will begin to charge.


## **7.4 Winter hibernation**

Your Landxcape will live longer and healthier if it is allowed to hibernate. So even though it is troublesome, we recommend storing your Landxcape TM in your shed or garage during the winter.

Before you prepare your Landxcape TM for winter hibernation, we recommend you:

- Thoroughly clean your Landxcape TM
- Fully charge the battery and remove it from Landxcape TM
- Turn power off

To maximize the battery life, fully charge the battery and remove it from Landxcape TM before storage during winter.

 **WARNING:** Protect the underside of Landxcape from water. NEVER store Landxcape upside down outdoors. The boundary wire can be left in the ground but its ends should be protected, such as placed in a tin can with

grease. If the charging station is left outside for the winter, leave the boundary wire connected.

NOTE: When bringing Landxcape™ back to work after winter hibernation, make sure the charging strips and contact pins are clean. We recommend using a fine grade emery cloth to clean the contacts.

## 7.5 Replacing the battery

WARNING: Power off before attempting any adjustment, replacement or repair.

Before replacing the blades, turn your Landxcape OFF and put on protective gloves.


If you need to replace the battery, follow these steps:

1. Gently turn your Landxcape™ upside down.
2. Remove the screws on the battery cover. Remove the battery cover. (See Fig. P1)
3. Lift out the old battery carefully. Press the latch and release the connectors. (See Fig. P2)









**NOTE:** Do not pull by the cables. Hold the connectors and release the latch.















4. Connect a new original battery by attaching the connectors until they click into position. (See Fig. P3, P4)
5. Fit the battery as shown. (See Fig. P5) Place the cover back in its position and tighten the screws.





## Function Messages

Display	Message	Action
	Rain delay activated.	No action is required.




## Error Messages

Display	Cause	Action
	Landxcape™ is outside working area.	<ol style="list-style-type: none"> <li>1. If Landxcape™ is actually outside its territory: turn Landxcape™ off, take Landxcape™ inside its territory. Turn Landxcape™ on. Press  then .</li> <li>2. If Landxcape™ is inside its territory, check if the LED on the charging station is green. If not, verify that the charging station is properly connected to the charger and that the charger is connected to a suitable power supply. If they are properly connected, the boundary wires are clamped incorrectly and must be reversed.</li> <li>3. If the LED light on the charging station turns on red, confirm that the boundary wire is well connected to the clamps on the charging station. If the problem persists, check that the boundary wire hasn't been cut.</li> </ol>
	Wheel motor blocked	<ol style="list-style-type: none"> <li>1. Turn Landxcape™ off; take Landxcape™ to an area free of obstacles.</li> <li>2. Turn Landxcape™ on. Press  then .</li> <li>3. If the error message is still displayed, turn power off; turn Landxcape™ upside-down and check if there's anything preventing the wheels from rotating.</li> <li>4. Remove any obstruction, turn Landxcape™ upright, turn power on. Press  then .</li> </ol>

-E3-	Blade disc blocked	<ol style="list-style-type: none"> <li>1. Turn Landxcape™ off.</li> <li>2. Turn Landxcape™ upside down and check if there's anything preventing the blade disc to rotate.</li> <li>3. Remove any obstruction.</li> <li>4. Turn Landxcape™ upright and take it to an area with short grass or adjust the cutting height;</li> <li>5. Turn Landxcape™ on. Press  then .</li> </ol>
-E4-	Landxcape™ is trapped.	<ol style="list-style-type: none"> <li>1. Turn Landxcape™ off;</li> <li>2. Take Landxcape™ to an area in your lawn free of obstacles obstacles.</li> <li>3. Turn Landxcape™ on. Press  then .</li> <li>4. If the error message is still displayed; turn power off; turn Landxcape™ upside-down. Check if there is anything preventing the wheels from rotating.</li> <li>5. Remove any obstruction, turn Landxcape™ upright, turn power on. Press  then .</li> </ol>
-E5-	Landxcape™ is lifted up.	<ol style="list-style-type: none"> <li>1. Turn Landxcape™ off.</li> <li>2. Take Landxcape™ to a lawn area clear of obstacles, turn Landxcape™ on. Press then .</li> <li>3. If the error message is still displayed: turn Landxcape™ off, turn Landxcape™ upside-down and check if there's anything preventing the front wheels from rotating.</li> <li>4. Remove any possible object, turn Landxcape™ upright, turn Landxcape™ on. Press  then .</li> </ol>
-E6-	Landxcape™ is upside down.	<p>Turn Landxcape™ upright. Press  then .</p>
-E7-	Battery error	<ol style="list-style-type: none"> <li>1. Check the battery temperature. If the temperature is too high, wait until the temperature has cooled down. Press  then .</li> <li>2. If the error message is still displayed, replace a new battery. Restart Landxcape™. Press  then .</li> <li>3. If the error repeatedly occurs, try to change the working schedule.</li> </ol>

-E8-	It takes too long for Landxcape™ to go back to the charging station.	Manually dock Landxcape™ in the charging station for charging. After Landxcape™ is fully charged, Press  then  . Refer to the installation manual.
-E9-	This could be because your router lost its power or because you changed your Wi-Fi router or network provider.	Please reconnect Landxcape™ to the Wi-Fi network it has been originally paired with. If this is not possible, contact Customer Service.
-EE-	Error unknown.	Restart Landxcape™. Press  then  . If the error message is still displayed, contact a service agent for help.

## NOTES



- Before turning power on, always return Landxcape™ to its territory. If not, “-E1-” will be displayed. This message is also displayed when Landxcape™ is sitting over the boundary wire when turned on.
- If for any reason—i.e. a party, children playing...—you want to park your Landxcape™ in the charging station: Press  then . Landxcape™ will go to its charging station and stay there. Or press  to turn Landxcape™ off.
- If an error repeatedly occurs in the same area of your lawn, you might have a problem with the boundary wire. Please refer to the Installation guide and check your set up with its help.
- If your lawn is divided in two separate areas connected by a corridor less than 1m, one of which is not provided with the charging station: when Landxcape™ runs out of charge, take it manually to the charging station, the charge process will start.
- If Landxcape™ runs abnormally once in a while, please try to restart it. If the problem is not resolved, try to removing and reinstalling the battery. If the problem is still not resolved, please contact a Landxcape™ service agent for help.
- Do not wash your Landxcape™ with a high pressure washer. This could cause damage to the battery or the machine.


## Troubleshooting

If your Landxcape does not work correctly, follow the troubleshooting guide below. If the issue persists, contact your Dealer.

Symptom	Cause	Action
The LED light on the charging station does not turn on.	There is no power.	Check the charging station is connected properly to the charger and the charger is connected to a suitable power supply.
Red light turns on the charging station.	The boundary wire isn't connected.	Check that the boundary wire has been connected correctly to the charging station.  Check there are no breaks in the boundary wire, especially in the wire ends.
Landxcape™ turns on, but the blade disc does not move.	Landxcape™ is searching for the charging station (unless you press then button to make it go to the charging base)	This is normal. Landxcape™ needs to recharge, the blade disc does not rotate while it is searching for the charging station automatically.
Landxcape™ vibrates.	Blades may be damaged. Check condition of the blade disc.	Check the blades, and replace them if damaged. Remove debris and foreign objects from the blades and blade disc.
Grass is being cut unevenly.	Landxcape™ does not work enough hours per day.	Add more hours to the scheduled mowing time.
	Mowing area is too big.	Try decreasing the size of the mowing area or adding more hours to the mowing time.
	Blades are dull.	Change all the blades and screws in order to balance the blade disc.
	The cutting height is too low for the length of the grass.	Raise the cutting height and then gradually lower.
	Grass or other object has wrapped around the blade disc.	Check the blade disc and remove the grass or other object.
	There is a build-up of grass in the blade disc or motor frame box.	Make sure the blade disc rotates easily. If need be, you may take off the blade disc and remove the debris.

Your Landxcape™ is inside its territory and the boundary wire is connected. And “ ” is displayed.	The boundary wire ends are clamped incorrectly.	Reverse the boundary wire ends.
	The boundary wire is broken.	Repair damaged boundary wire with connectors.
The charging time is far more	Poor connection caused by debris on the charging strip.	Clean the contact pins located on the charging station and the charging strip on Landxcape™ using a cloth.

than the rated charging time.	The charging protection program has been activated due to high temperature.	Place the charging station in a shady area or wait until the temperature has cooled down.
The mower does not charge.	There is no power.	Check the power cord is connected properly to the charger and the charger is connected to a suitable power supply.
	Landxcape™ does not operate correctly while manually charging.	Refer to manual charging in Section 7.3.
Landxcape™ is starting to have shorter run-times between charges.	Something is clogging in the blade disc.	Take off the blade disc and clean it.
	Landxcape™ is shaking heavily.	Check the blade disc and blades, remove debris and foreign objects from the blades and blade disc.
	The battery may be exhausted or old.	Replace battery.
Landxcape™ is not operating at the correct time.	The clock is not set to the correct time.	Set the clock to the correct time, refer to Section 4.3.
	Programmed cutting times for Landxcape™ are not correct.	Change the time settings for the mower to start and stop.
	Landxcape™ is manually docked in the charging station.	Press  then  .
	The battery does not charge as its temperature rises above 55°C in hot weather.	Wait until the battery has cooled down.
Landxcape™ cannot correctly dock with the charging station.	Environmental influences.	Restart Landxcape™.
	Poor connection caused by debris on the charging strip.	Clean the contact pins located on the charging station and the charging strip on Landxcape™ using a cloth.
The green light on the charging station turns on before charging is complete.	The charging station is overheated.	Place the charging station in a shady area or wait until the temperature has cooled down.
Landxcape™ runs outside the boundary wire.	The boundary wire has been installed with tight corners.	Check the boundary wire to ensure the corners are smooth.

Landxcape™ does not mow an area within a boundary wire zone.	The cutting area is larger than the allowable cutting area for Landxcape™.	Reduce the cutting area or use Landxcape™ with a larger allowable cutting area.
Landxcape™ reverses or rotates erratically near the boundary wire.	The boundary wire of another Landxcape™ or another robotic mower is positioned too closely.	Ensure your Landxcape™ boundary wire has at least 1m of space between the neighboring boundary wire.
	In wet conditions, the boundary wire electric signal may leak were wire has been joined or repaired.	Check boundary wire joints. Insulate to provide a fully waterproof connection.
	There is boundary wire electric signal leakage due to broken insulation.	Repair damaged boundary wire insulation with connectors.
Landxcape™ wheels skid or damage lawn.	Foreign obstacles, such as twigs and branches may be lodged under Landxcape™.	Remove foreign objects from underside of Landxcape™.
	The lawn is too wet.	Wait until lawn has dried.
Landxcape™ exits the boundary wire due to high speed when going down a hill.	The boundary wire is placed on a slope steeper than 17% (10°).	Reposition the boundary wire away from slopes that are steeper than 17% (10°). Please refer Installation Guide for details.
	Software update failure occurs.	Try again according to section “Software update”.
Landxcape™ runs in circles; turns right or left even there is no obstacle in front of it.	The boundary wire of another Landxcape™ or another robotic mower is positioned too closely.	check and ensure your Landxcape™ boundary wire has at least 1m of spacing between the neighboring boundary wire. If the problem cannot be solved, please contact Landxcape™ service agent for help.

Keyboard of the mower fails to work.	Keyboard is damaged.	Restart Landxcape™. If the problem persists, keep pressing the on/off key for 10 seconds and then restart Landxcape™. If the problem cannot be solved, please contact Landxcape™ service agent for help.
	Poor connection for the cable between the control panel and the main board or the cable is damaged.	
	Keyboard needs to be reset.	
Mower fails to avoid obstacles.	The boundary wire of another Landxcape™ or another robotic mower is positioned too closely.	check and ensure your Landxcape™ boundary wire has at least 1m of spacing between the neighboring boundary wire. If the problem cannot be solved, please contact Landxcape™ service agent for help.
	The obstacle is lower than 10cm.	This is normal.

## Environmental Protection



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.


## Technical data

**Type LX835 LX835i LX910 (8/9 – designation of machinery, representative of Robotic Lawn Mower)**

	LX835	LX910
Rated voltage	20V Max.*	
No load speed (/min)	2800	
Cutting area (m <sup>2</sup> )	800	1000
Cutting diameter (cm)	18	
Cutting height (mm)	30-60	
Cutting height positions	4	
Max. slope	35% (20°)	
Battery type	Lithium-ion	
Battery model	LA0007	
Charging time approx. (min)	105	
Charger model	LA8001 / LA8002	
Charger rating	Input: 100-240V~50/60Hz, 38W, Output: 20V_ , 1.5A	
Machinery weight (kg)	8.3	
APP	N	
Rain sensor	Y	
Protection degree	III	
Frequency band of inductive loop systems	77 Hz	
Max. radio-frequency power of inductive loop systems	82 dBμA/m	

\*Voltage measured at no load. Initial battery voltage reaches maximum of 20 volts. Nominal voltage is 18 volts.

#### Noise data

	LX835	LX910
A weighted sound pressure	LpA = 40.6 dB (A) KpA = 3.0 dB(A)	LpA = 40.6 dB (A) KpA = 3.0 dB(A)
A weighted sound power	LwA = 60.6 dB (A) KwA = 3.0 dB(A)	LwA = 60.6 dB (A) KwA = 3.0 dB(A)
Wear ear protection when sound pressure is over	80dB(A) 	

#### Wear ear protection when sound pressure is over

A degree of noise from the machine is not avoidable. Route noisy work is to be licensed and limits for certain periods. Keep rest periods and they may need to restrict the working hours to a minimum. For their personal

protection and protection of people working nearby, an appropriate hearing protection shall be worn.

## Accessories

	LX835	LX910
Screw	9	9
Charging station	1	1

Charging base fixing nails	8	8
Boundary wire	180m	180m
Wire pegs	250	250
Hex key	1	1
Boundary wire distance gauge	2	2
Blade	9	9
Connector	2	2
Battery pack (LA0007)	1	1
Charger (LA8001 / LA8002)	1	1

We recommend that you purchase genuine accessories listed in the above list from the same store that sold you the tool. Refer to the accessory packaging for further details. Store personnel can assist you and offer advice.

## Declaration of Conformity

We,

Positec Germany GmbH

Postfach 32 02 16, 50796 Cologne, Germany

On behalf of Positec declare that the product

Description Robotic Lawn mower

Type LX835 LX910 (8/9 – designation of machinery, representative of Robotic Lawnmower) (Serial number is placed on the back page) with battery charger LA8001 / LA8002 and charging station LA3001

Function Cutting grass

**Complies with the following Directives,**

2006/42/EC, 2014/30/EU, 2014/35/EU, 2011/65/EU&(EU)2015/863,2000/14/EC amended by 2005/88/EC, 2014/53/EU

2000/14/EC amended by 2005/88/EC

- Conformity Assessment Procedure as per Annex V
- Measured Sound Power Level 60.6 dB (A)
- Declared Guaranteed Sound Power Level 63 dB (A)

The notified body MiCOM Labs Inc., NB-No. 2280 has carried out an EU type examination according to Directive 2014/53/EU and issued the following EU type examination certificate: SGSA99-EU

### Standards conform to,

For Lawn mower: EN 50636-2-107:2015+A1:2018+A2:2020+A3:2021,  
EN 60335-1:2012+A11:2014+A13:2017+A1:2019+A2:2019+A  
14:2019+A15:2021, EN IEC 62311:2020, EN IEC 55014-1:2021,  
EN IEC 55014-2:2021, EN IEC 61000-3-2:2019+A1:2021, EN  
61000-3-3:2013+A1:2019+A2:2021

For Induction loop system: EN 303 447 V1.1.1

For Ultrasonic module: EN 55011:2016+A11:2020

For charger: EN IEC 55014-1:2021, EN IEC 55014-2:2021, EN IEC  
61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021, EN  
IEC 60335-2-29:2021+A1:2021, EN 60335-1:2012+A11:2014+A13:201

7+A1:2019+A2:2019+A14:2019+A15:2021, EN 62233:2008 For Noise: EN ISO 3744:2005 For RoHS: EN IEC  
63000:2018

The person authorized to compile the technical file, Name Marcel Filz

Address Positec Germany GmbH

Postfach 32 02 16, 50796 Cologne, Germany



2023/09/21

Allen Ding

Deputy Chief Engineer, Testing & Certification

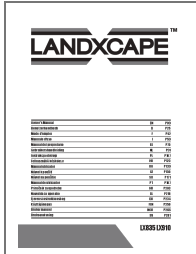
Positec Technology (China) Co., Ltd.

18, Dongwang Road, Suzhou Industrial

Park, Jiangsu 215123, P. R. China



### Documents / Resources

	<p><a href="#">LX LX835 Robot Lawn Mower with Perimeter Wire</a> [pdf] Owner's Manual LX835, LX835 Robot Lawn Mower with Perimeter Wire, Robot Lawn Mower with Perimeter Wire, Lawn Mower with Perimeter Wire, Perimeter Wire</p>
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