

LANDXCAPE™

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Original instructions



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.

How to install your Landxcape™

The installation of your Landxcape™ is easy. The entire process only takes a little time, depending on the size of your garden. If you are like us, you hate wasting time to mow your lawn. Your Landxcape™ will prove to be a great investment, providing you with years of lawn care.

You can watch the installation demo video at www.landxcape-robotics.com.

Landxcape™ loves to mow

Your Landxcape™ is designed to mow regularly, maintaining a healthy and better looking lawn than before. Depending on the size of your lawn, your Landxcape™ may be programmed to operate at any time or frequency with no restrictions. It is here to work for you.

PREPARATION

Before starting the installation process, read through this entire Installation Guide carefully. Sketch the working area, including all obstacles, to make it easier to see the ideal positions for the charging base and where the boundary wires should be routed.

In the box



Landcape™



Charging base



Base fixing nails



Hex key



Spare blades



Boundary wire reel



Wire pegs



Power adapter



Connector (if supplied)



Distance gauge

From your shed



Scissors



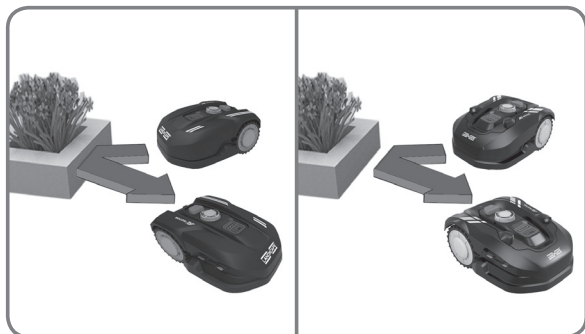
Hammer



Tape

Landxcape™'s new home: your garden

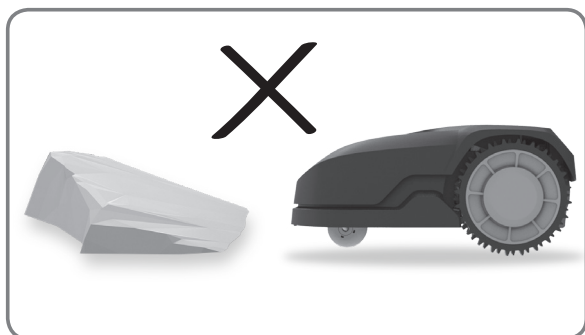
Let's start by having a closer look at Landxcape™'s new home - your lawn - highlighting the areas where it can safely go and areas Landxcape™ should avoid.



Obstacles

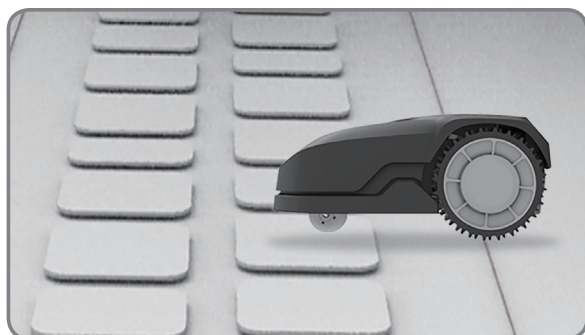
When hitting any obstacle that's rigid, stable and taller than 10cm - such as a wall or a fence - Landxcape™ will stop and re-direct away from the obstacle.

With the ultrasonic function, your Landxcape™ has the ability to get round/avoid the obstacles taller than 19cm (only for specific model, please check Technical Data & Declaration of Conformity).



Stones

Stones too heavy to be moved by your Landxcape™ can be safely hit. However, if a stone has an inclined surface that your Landxcape™ can climb, it should be removed or excluded from the working area.

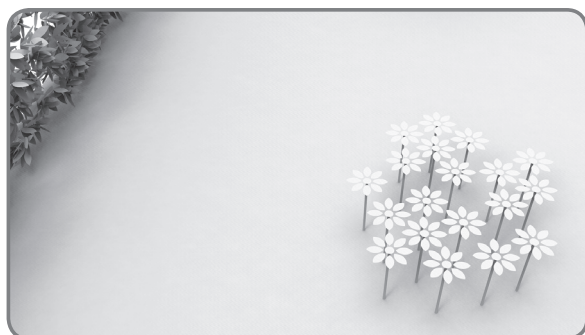


Driveways

If your driveway is level with your lawn, without any protruding surface, Landxcape™ can freely run over it. If you'd like Landxcape™ to avoid it, place the boundary wire 10cm* away from it.

If it's covered with gravel, you should not allow Landxcape™ to travel over it. Using the distance gauge for spacing, keep a 26cm* space between the boundary wire and the driveway.

* This is the recommended distance. The provided distance gauge ensures proper installation.



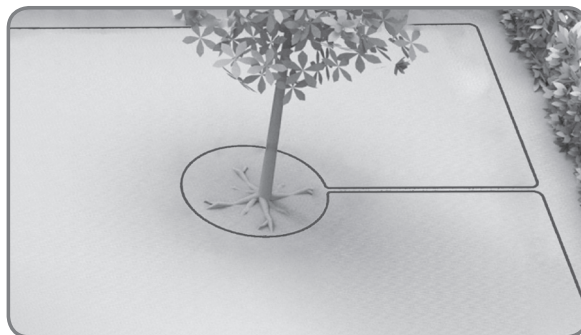
Flowerbeds, ponds, pools..

You certainly don't want Landxcape™ to mow your flowers, or fall into the water. These areas should be avoided.

Additionally, obstacles between 2cm-10cm high should also be excluded from Landxcape™'s operation area.

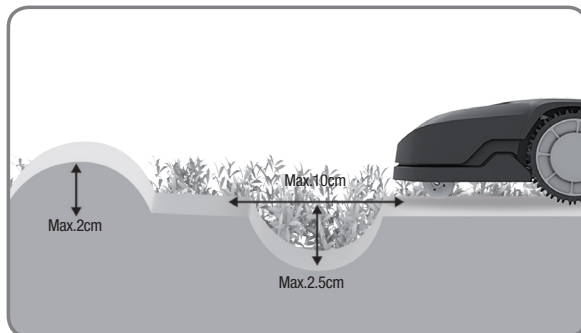
Trees

Roots emerging from the ground should be avoided to prevent damage.



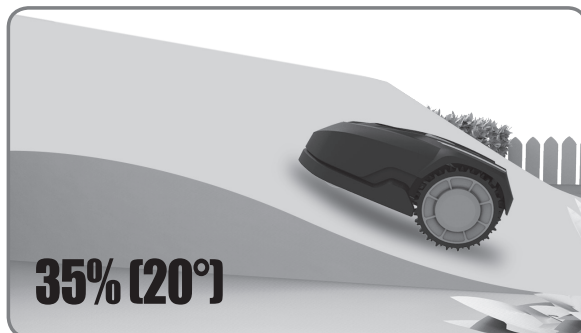
Depressions and bumps

In case of large bumps (higher than 2cm) or dips (wider than 10cm and deeper than 2.5cm), please determine if the blades would touch the ground or if Landxcape™ would get stuck. If this is the case, either make the inclines smoother or exclude these areas from Landxcape™'s operation.



Slopes

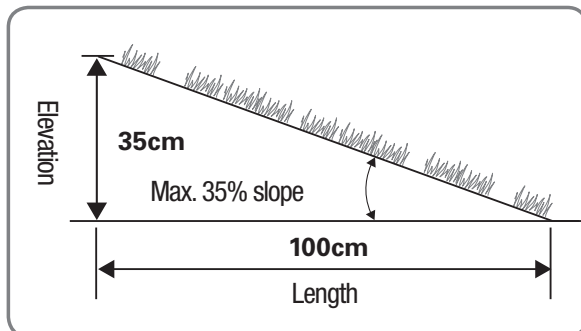
Your Landxcape™ has the ability to safely climb slopes up to 35% (20°)**, so please avoid areas steeper than this.



**How to calculate the slope of your lawn:

The slope would be:

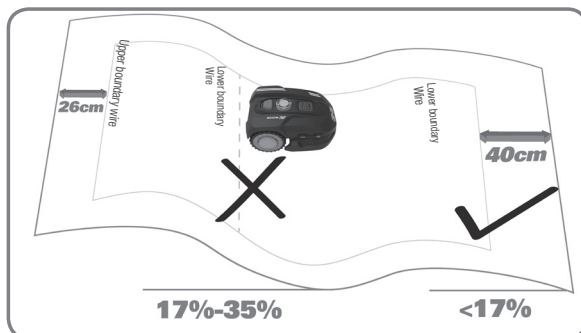
$$\frac{35\text{cm (Elevation)}}{100\text{cm (Length)}} = 35\% \text{ (slope)}$$



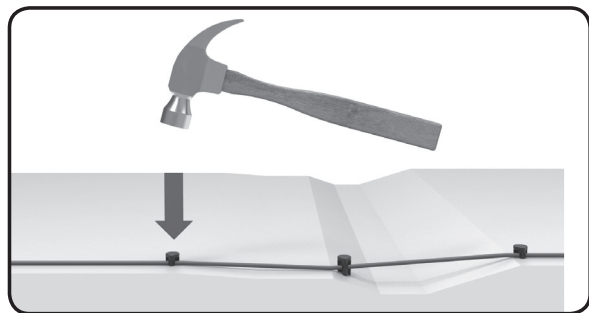
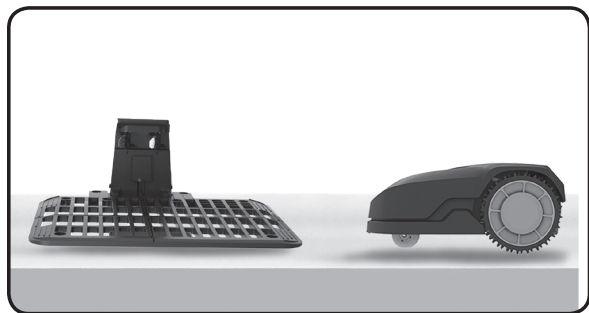
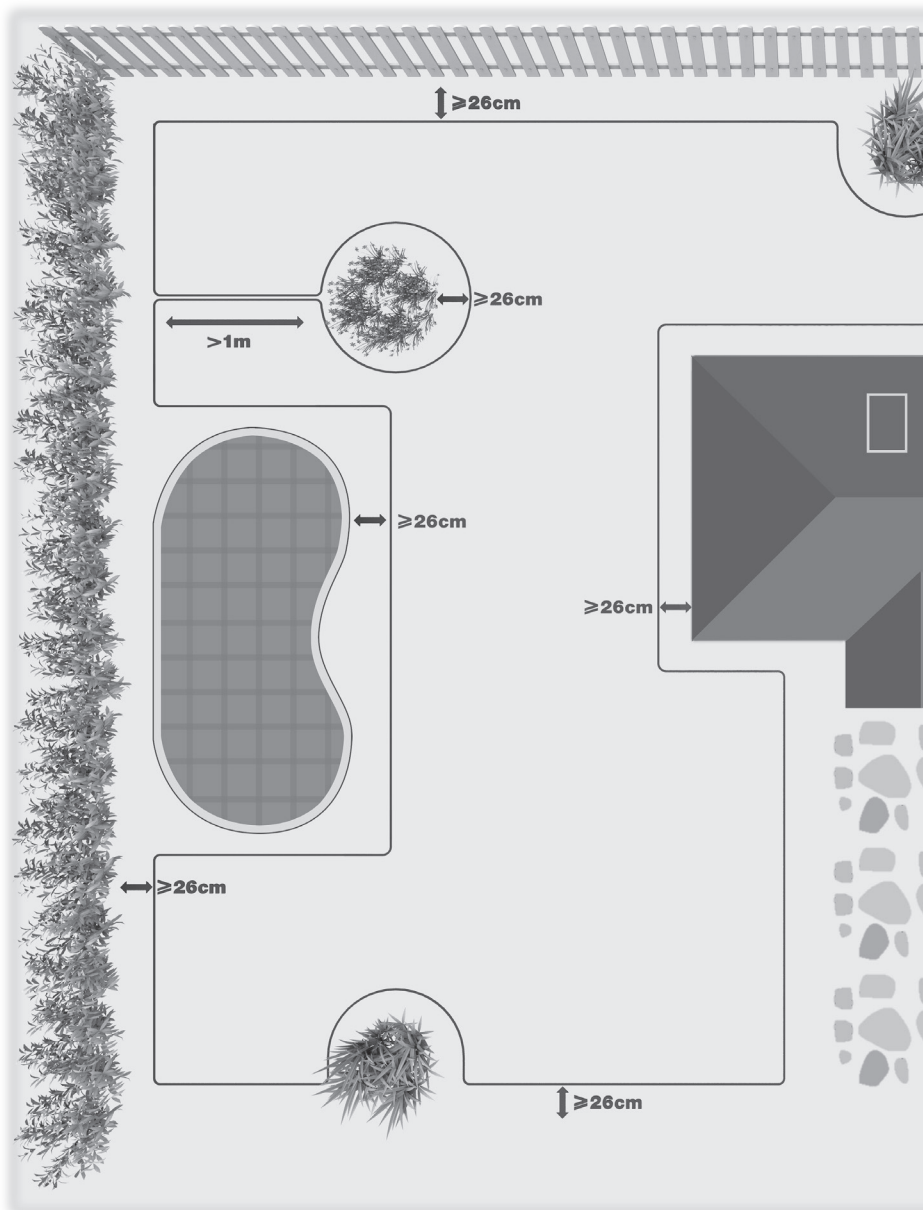
Placement of boundary wire on slopes

The upper boundary wire should NOT be placed on slopes steeper than 35% (20°), and it should be placed at a distance of 26cm from any obstacle. The lower boundary wire should NOT be placed on slopes steeper than 17% (10°), and it should be placed at least 40cm away from any obstacle when positioned on a slope that is 17%.

NOTE: The lower boundary wire cannot be laid across a slope steeper than 17% as Landxcape™ will slip and cross outside the wire, especially when the grass is wet.



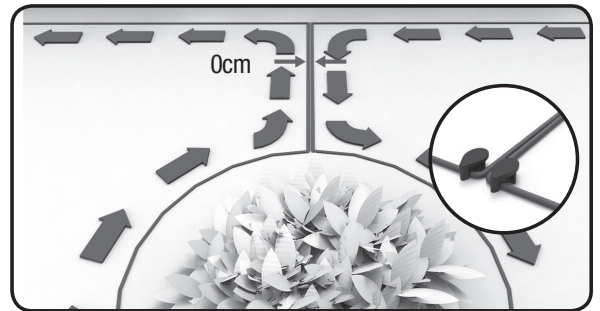
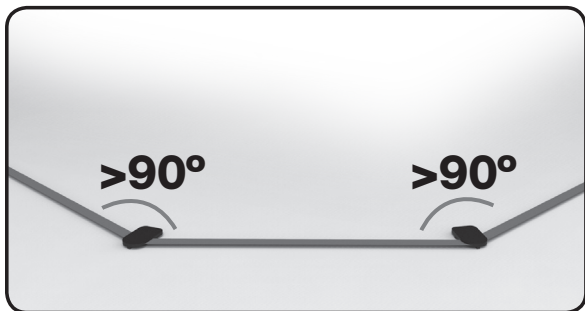
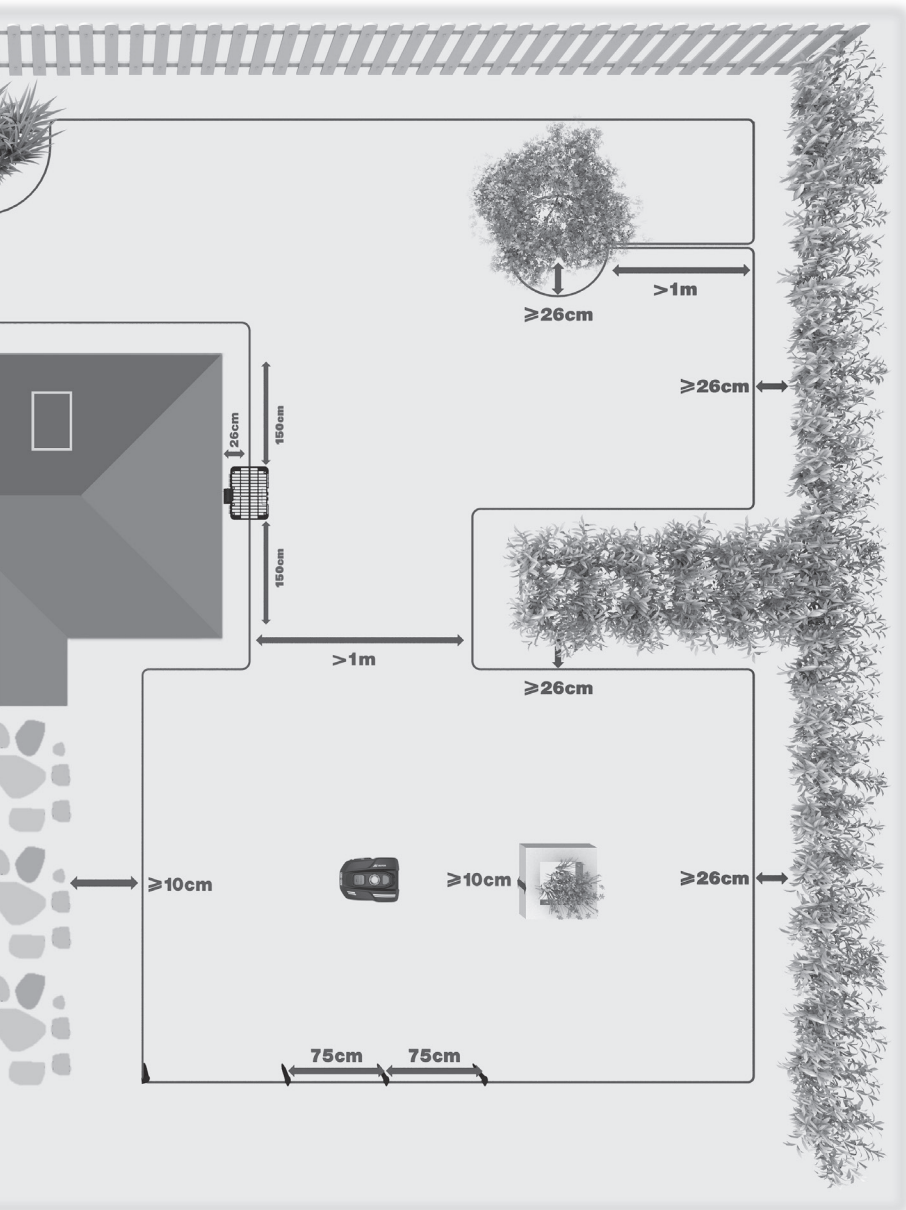
Overview



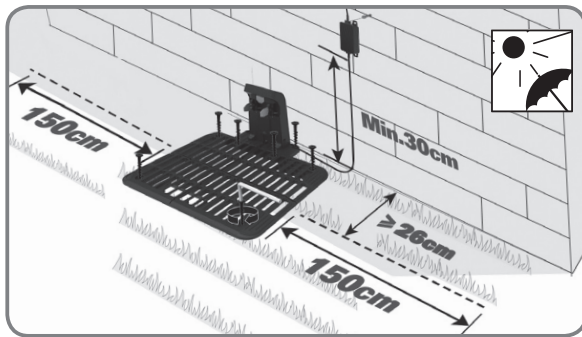
Your Landxcape™ needs to know where to mow. Using the boundary wire, you'll define Landxcape™'s working area and form an invisible fence. This wire will also guide Landxcape™ to its charging base.

“Please note: Under certain conditions, additional magnetical fields generated by reinforcement steel (Rebar), which is often found in underground constructions like a parking garage or an underground hangar, can lead to navigational disturbances of robotics lawn mowers.”

If your neighbor also uses a Landxcape™, you must keep a space of at least 1 metre between your boundary wire and your neighbor's.



Installation



1. Place the charging base

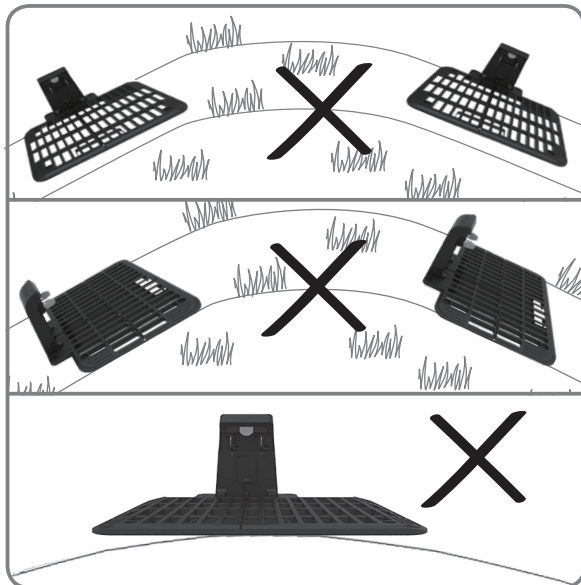
Find a flat surface for the charging base, the place should be dry and away from direct sun light. And the adapter can be mounted on the wall.

Landxcape™'s charging base can be placed against the wall or fence, with the charging components facing your lawn. If possible, place the charging base in the shade, and it is better to charge the battery in a cool place.

When laying the boundary wire, leave at least 150cm of straight wire with no obstacles on each side of the charging base. Make sure the adapter and electrical outlet are always kept in a dry place.

You can now permanently fix the charging base to the ground by tightening the supplied base fixing nails with the supplied hex key.

NOTE: Boundary wire on each side of the charging base should be straight for 150cm without corners or obstacles to ensure proper docking.



The charging station must be positioned on relatively level ground. It must not be positioned on an inclined surface or anywhere that makes its plate bend.

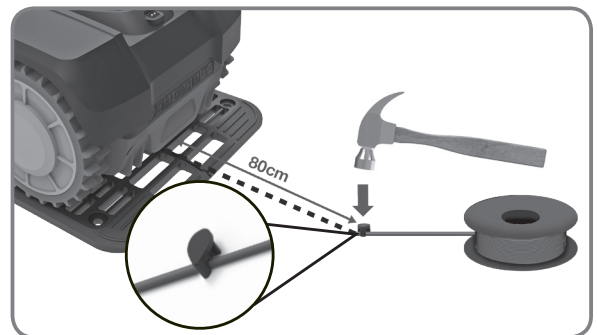
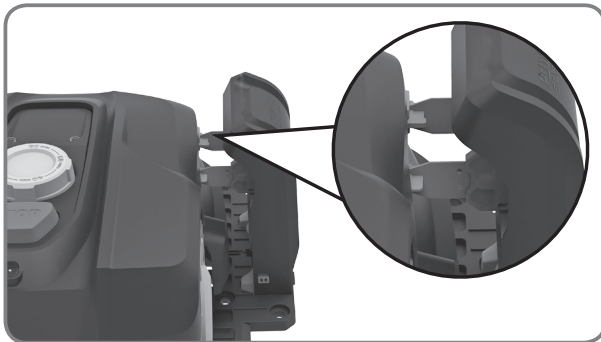
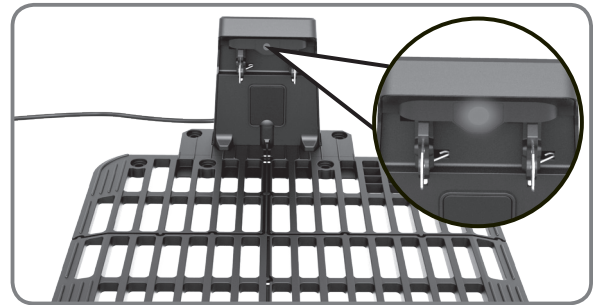
2. Charge your Landxcape™ before the first operation

Connect the power cord of the charging base to the adapter, please refer to “charger manual”.

Connect the adapter to the electrical outlet. The LED on the charging base will turn on in green color. Manually dock Landxcape™ into the charging base while Landxcape™ is powered off. The green light on the charging base will be flashing and Landxcape™ will begin to charge.

If the power cord is in Landxcape™’s working area, you may bury it if desired.

NOTE: If you want to plug the adapter in an indoor electrical outlet, you need to route the power cord through the hole in the wall. Please refer to charger manual.

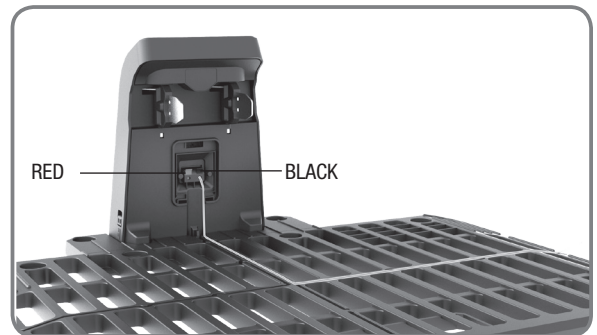


3. Peg the boundary wire

Before pegging the boundary wire, it is recommended to use a normal lawn mower or a grass trimmer to cut the grass along the boundary. Then the wire should be laid as close as possible to the ground to prevent your Landxcape™ accidentally cutting the wire. The boundary wire is powered with a very low voltage totally safe to humans and pets.

Pull out a length of boundary wire around 80cm and fasten it to the ground near the charging base. Later, this end of the boundary wire (IN-wire) will be connected to the BLACK terminal after pegging your boundary wire.

NOTE: The extended boundary wire should not exceed 400m or it may cause signal problem.

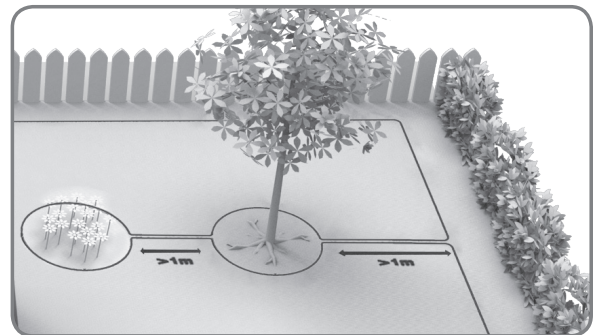
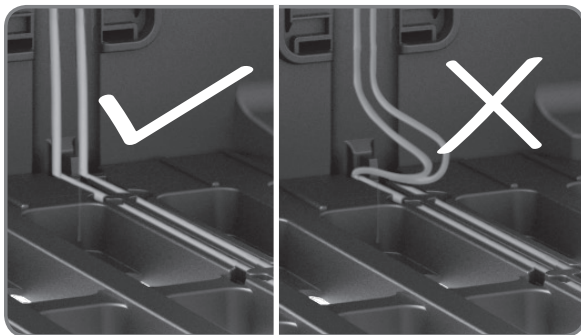
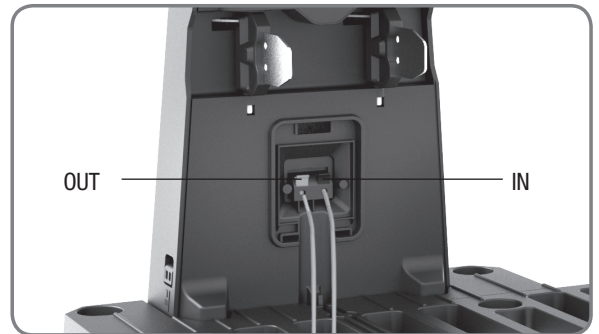
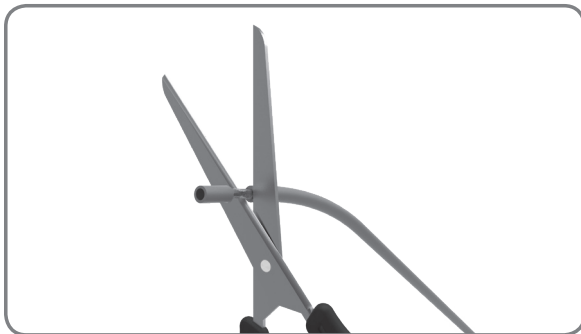
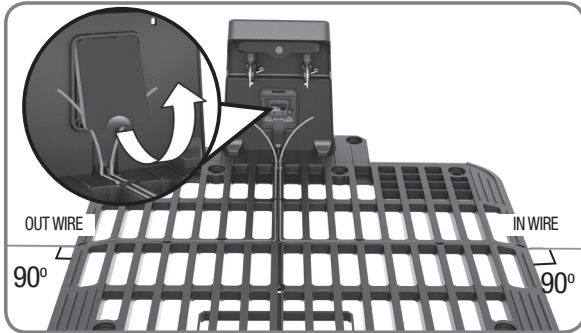
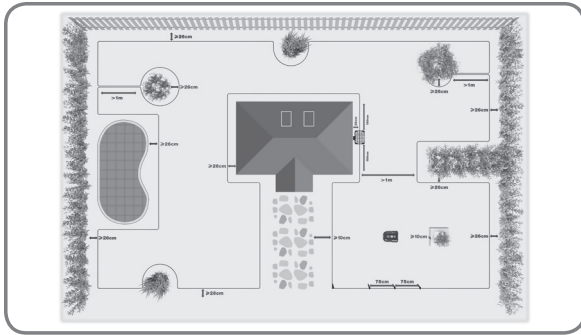


4. Complete the entire boundary wire setup

Lay down the boundary wire around the working area as the illustration shown.

After pegging the boundary wire, please take your Landxcape™ away from the charging base. Lead the boundary wire back to the charging base, leave a length of the boundary wire (OUT-wire) around 80cm and cut it off. Insert both wire ends into the grooves on the charging base. Peel off the plastic skin at the end of both wires (around 1cm), and connect the naked metal wire end of the IN-wire to the BLACK terminal and the end of OUT-wire to the RED terminal.

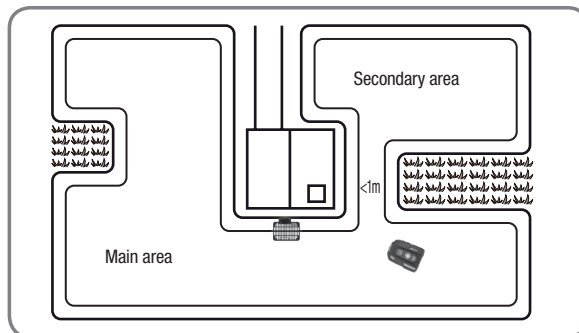
NOTE: If you need to extend the boundary wire, please refer to “Joining the Boundary Wire” in Owner’s Manual for instructions.



In the case of two islands that are close to each other, it would be convenient to lay out the wire as illustrated in the picture.

Landxcape™ can travel freely over the boundary wire between the areas and the mowing boundary.

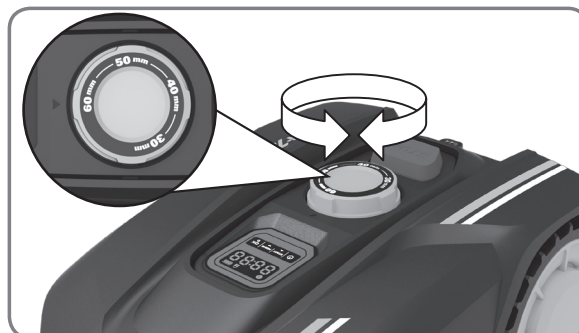
If your lawn has multiple areas connected to each other by a corridor, it should be at least 1 meter wide. If the corridor is narrower than 1 meter, Landxcape™ will have difficulty travelling between. In this case, it is recommended to set up a main area and a secondary area in your lawn. The boundary wire should be placed as illustrated in the picture. When the secondary area has to be cut, please pick up Landxcape™ and bring it to the secondary area. Landxcape™ will mow without problem, but you have to bring it back to the charging base when the battery runs out.



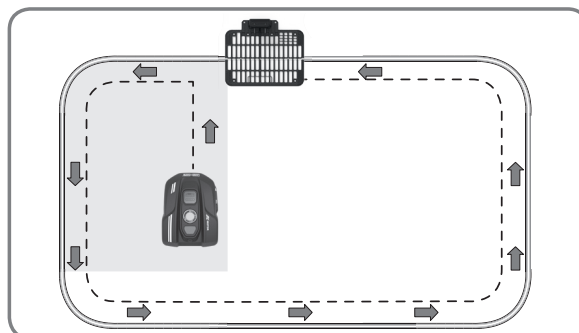
Verification

Before it starts mowing for the first time, make sure Landxcape™'s working area is clear of objects such as toys and branches...

1. Set the cutting height to the maximum level.



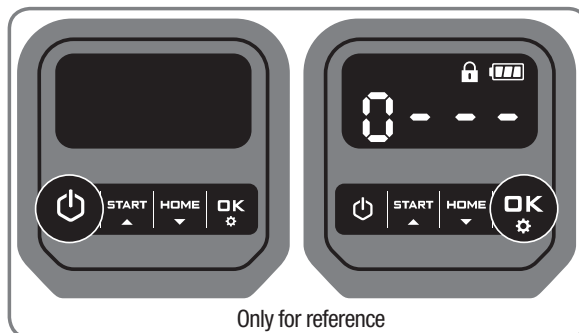
2. Place your Landxcape™ a few meters in front of the charging base.

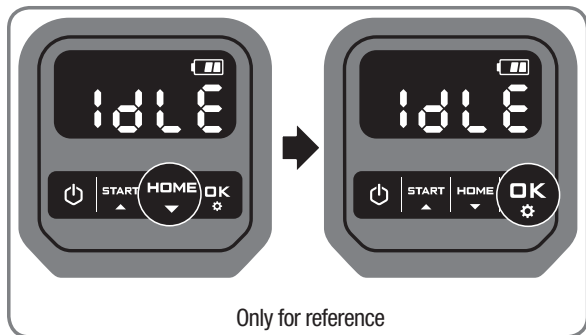


3. Press  until Landxcape™ turns on. For the first use, input the default PIN code 0000 by pressing  for four times when the number 0 is blinking.

NOTE: When Landxcape™ 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.

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™ will raise the alarm “di-di” and then turn off.





4. Press **HOME** then **OK** to send Landxcape™ back to the charging base. Landxcape™ will follow the boundary wire to the charging base. When Landxcape™ touches the boundary wire, ultrasonic function * turns off automatically (only for specific model, please check Technical Data & Declaration of Conformity).
* With the ultrasonic function, your Landxcape™ has the ability to get round/avoid the obstacles by using ultrasonic sensor.

5. Fine tune the outline shape of the boundary wire if necessary.
NOTE: If the boundary wire is broken during the testing or you need to extend the boundary wire, please refer to “**Joining the Boundary Wire**” in Owner’s Manual for instructions. Check the status of the LED light indicator on the charging base to make sure the connection is OK. If the verification test is completed smoothly, you can start mowing by pressing **START** then **OK**. If there is any problem during verification test, please refer to “**Owner’s manual-Troubleshooting**”.

LED light indicator on the charging base	Status	Action
Light does not turn on	There is no power.	Confirm that the power cord is connected properly to the charger and that the charger is connected to a suitable power supply.
Green light on	Boundary wire is connected successfully; Landxcape™ is fully charged.	/
Red light on	The boundary wire isn’t connected.	Confirm that there are no breaks in the boundary wire.
	Power supply is connected successfully, while the wire is connected unsuccessfully.	Check that the boundary wire has been connected correctly to the charging base. Confirm that there are no breaks in the boundary wire.
Green light flashing	Landxcape™ is auto charging.	/

! WARNING

- If your Landxcape™ is outside its territory, it will not move and “- E ; -“ will be displayed. Move it inside its territory and repeat Verification.
- If your Landxcape™ is inside its territory but “- E ; -“ is displayed, please refer to “**Error Messages**” in Owner’s Manual for solutions.
- Your Landxcape™ should always remain switched on. If you ever need to turn it off, then make sure you place it within its boundary area before you switching it back on again.
- Should your Landxcape™ stop operating, simply restart it and operate it as you normally would.

NOTE: Please refer to the Owner’s Manual for more information.

Setting

Please refer to Owner’s Manual “4.3 Setting”.

App

Please refer to Owner’s Manual “5. App”.