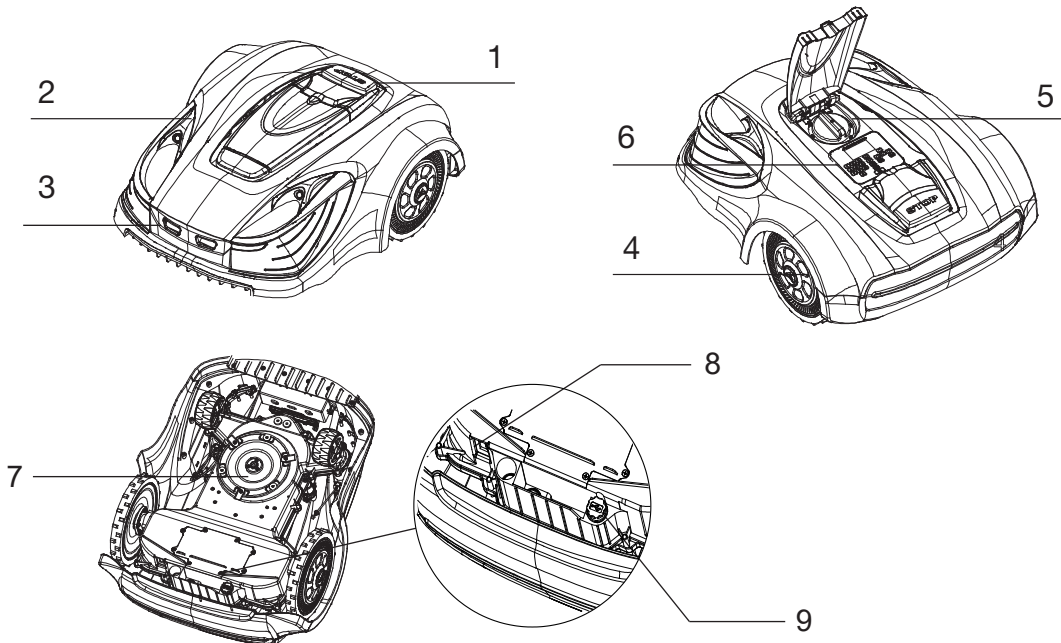


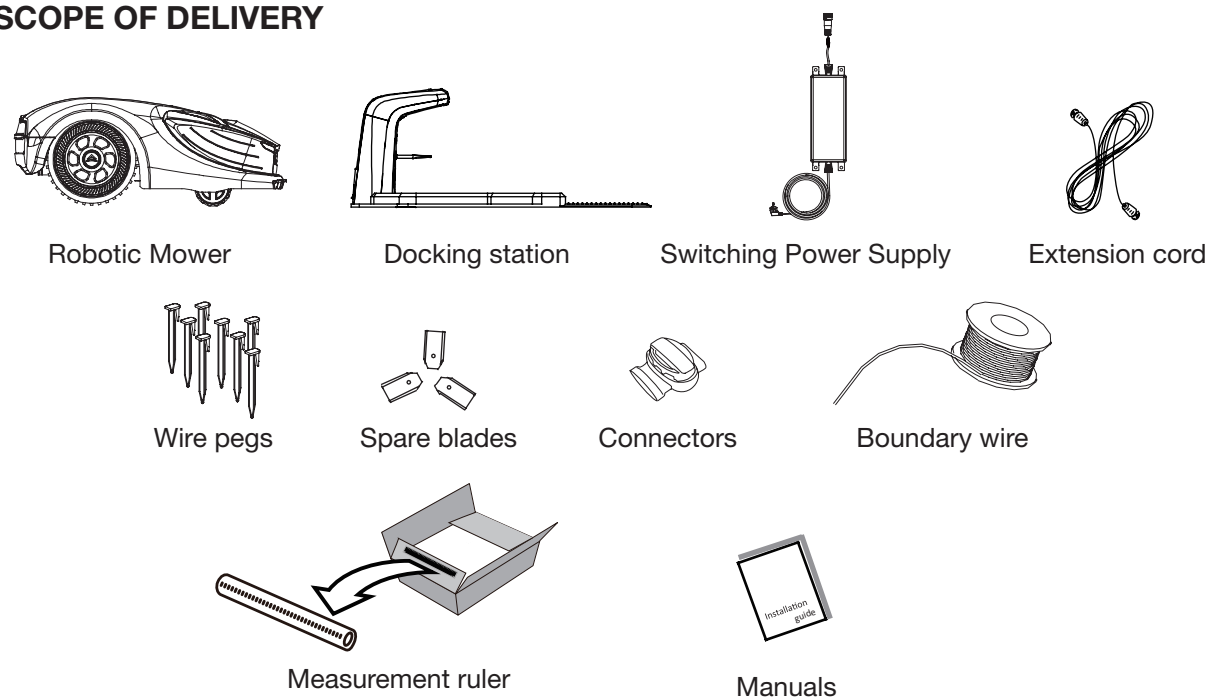
PARTS LIST

KNOW YOUR TILLER



- 1. STOP button
- 2. Ultrasonic sensor
- 3. Charging inlet
- 4. Rear wheel
- 5. Height adjustment dial
- 6. Control panel
- 7. Blade plate
- 8. Power switch button
- 9. Firmware update port

SCOPE OF DELIVERY



INTENDED USE

The Robotic Mower is exclusively designed for mowing lawns. It is only intended for private use and is not suitable for commercial use.

Any other use that is not specifically approved in these instructions can result in damage to the Robotic Mower and could be a serious danger to the user.

This appliance **MUST NOT** be used by children and persons 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.

The owner or operator is responsible for accidents or harm to others people and their property.

The manufacturer cannot be held liable for damage caused by other incorrect operation of the Robotic Mower or if it is not used in line with its intended purpose.

TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS

Model	RVX4E
Max cutting area	1/2 Acre
Battery pack	28 V/ 4000 mAh
Switch power supply	Input: 100-120 VAC~, 50/60 Hz, 102 W Output: 34V $\overline{=}$ , 3A
Power supply model*	FY3403000S3
Mowing time on one charge	100 min
Rated voltage	28 V
Rated power	50 W
No load speed	2850 min <sup>-1</sup>
Cung width	9 in
Cutting height	1-1/3"-3"
Charging time	80 min
Blade model	846210
Weight	29.3 lb
Frequency Band	0-148.5 kHz
Magnetic Field Strength	70 dBμA/m
Wifi Frequency Band	2400~2483.5MHz
Wifi Magnetic Field strength	20dBm
Max sound pressure level	L <sub>pA</sub> $\overline{=}$ 53 dB, K=3 dB
Max sound power level	L <sub>WA</sub> $\overline{=}$ 64 dB, K=3 dB
Degree of protection:	
Robotic Mower	IP24
Switching power supply	IP67, Plug IP44
Spare parts	
Spare Blades	9 Pcs
Boundary pegs	300 Pcs
Boundary wire	800'
Connectors	9 Pcs

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

## ASSEMBLY

### Installation Guide

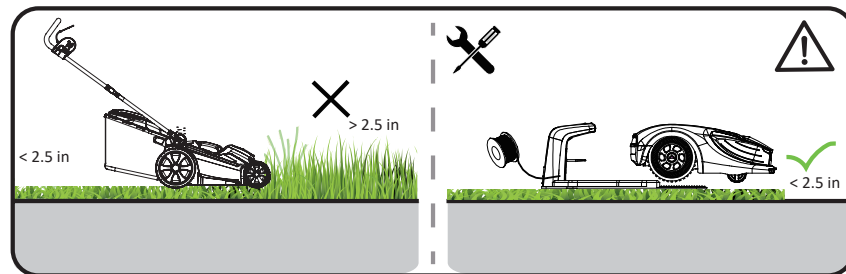
This chapter explains how to install the Robotic Mower. Please read this completely before you start the installation.

### Introduction

We recommend creating a drawing of your lawn, including all obstacles and how these should be protected. This makes it easier to find a good position for the docking station and how to correctly place the boundary wire around your garden perimeter protecting bushes, flower beds etc. You will also need some tools, like a hammer and wire cutters, pliers or scissors.

### Pre Cut your lawn

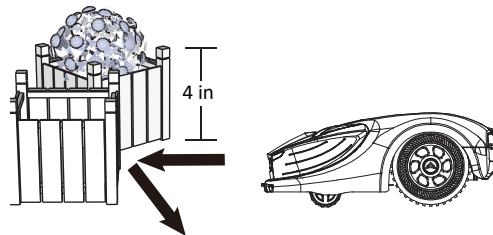
Your lawn needs to be prepared correctly, prior to installing the robot lawnmower. Pre cut your lawn to a height of 2.5 in.



### Cutting limitations

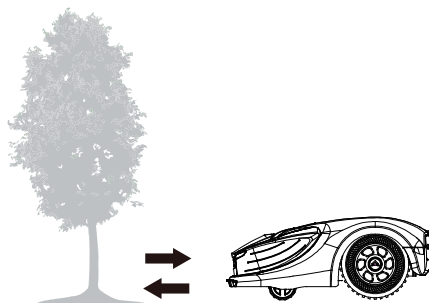
The Robotic Mower is equipped with collision sensors. These detect all rigid and solid obstacles that are higher than 4 in, such as walls, fences and garden furniture.

When the sensors report an obstacle, the Robotic Mower stops, backs up and then mows in a different direction. As a long-term solution, it is recommended to lay the boundary wire accordingly using the ruler to protect obstacles and the device. Lay the boundary wire so that the Robotic Mower is not more than 65 ft away from the boundary wire at any point in the mowing area.



### Trees

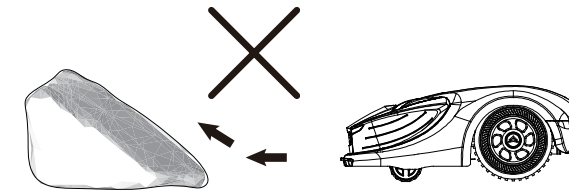
The Robotic Mower treats trees as common obstacles, but if the roots of the tree are exposed and lower than 4 in, this area should be excluded using boundary wire in order to protect the tree root, cutting blades or rear wheels from damage.



## ASSEMBLY

### Stones

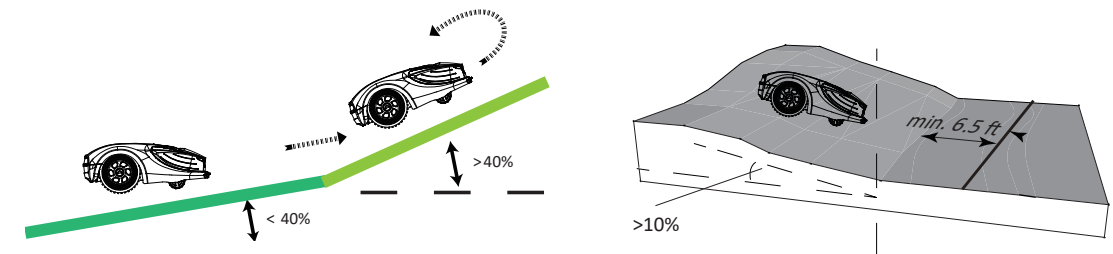
We recommend clearing the lawn of small (less than 4 in high) rocks and stones and any stones with a round or sloped edge. The Robotic Mower might try and climb such rocks instead of recognising them as a barrier. The Robotic Mower getting stuck on such a stone requires user intervention to restart mowing. Contact with stones can result in damage to the blades.



### Slopes

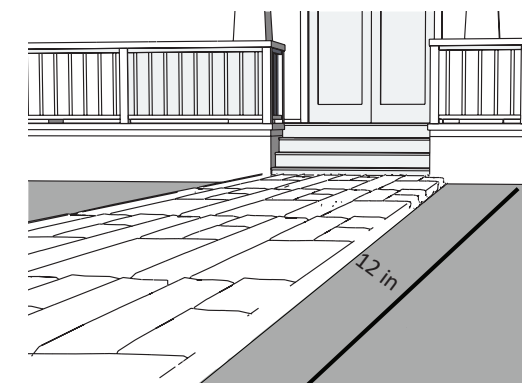
The Robotic Mower can navigate slopes up to a maximum of 40% incline or decline.

The boundary wire should never be perpendicular to an incline of more than 10%. Also, leave strip of at least 6.5 ft between a slope of 10% or steeper and the boundary wire. Otherwise, the higher speed going down the slope may cause the Robotic Mower to go over the boundary wire, especially on wet and slippery ground.



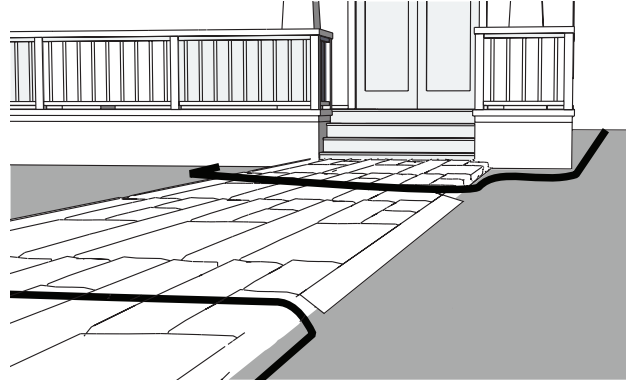
### Paths, Driveways and Roads

If an elevated driveway crosses your lawn, better keep it outside the boundary wire. Please allow a safety distance of 12 in between driveway and boundary wire.



If the driveway and lawn are at the same level, feel free to use the boundary wire to create a corridor. This allows your Robotic Mower to cross the driveway and reach the opposite lawn.

## ASSEMBLY



### Uneven lawn surfaces

Uneven lawn areas may cause the blades to touch the ground. We recommend leveling the lawn before using your Robotic Mower or excluding uneven areas with the boundary wire.

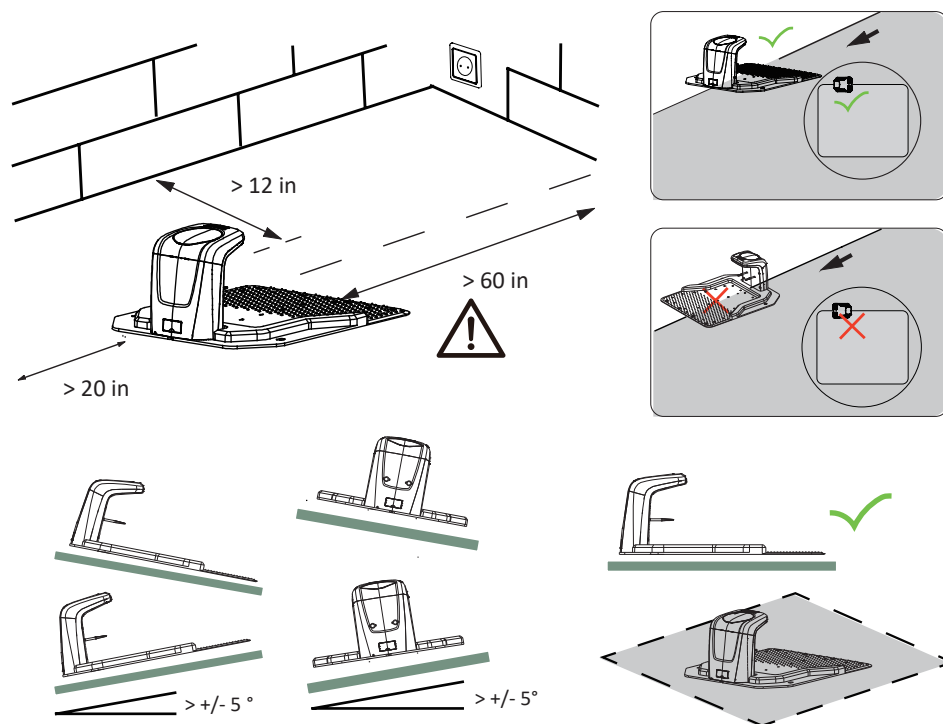
### Placing the docking station

Locate the best position for your docking station. Be aware that it needs a permanent connection to the mains, so take into account the location of the nearest power outlet.

To ensure the Robotic Mower can return to the docking station smoothly, leave 5 ft of straight wire to the front of the docking station and 12 in to the side facing the cutting area. Use a shaded location for the docking station, as a lower temperature while charging is beneficial to the battery.

Important: Place the docking station on an even, flat surface away from ponds, pools or stairs. We recommend suitable protection from the elements, for example a robot port or garage.

Do not place the docking station too close to a slope, such as at the top of a hill or the bottom of a furrow. Avoid left and right inclination in excess of 5 degrees.



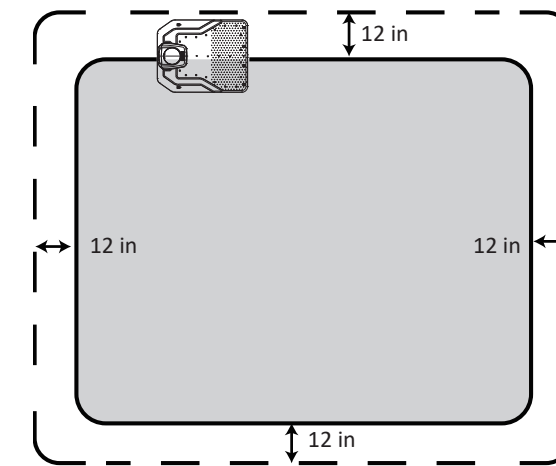
## ASSEMBLY

If your lawn has a soft or uneven surface, we recommend fortifying the area around the docking station with a grass protection mesh. Otherwise, the repeated stress of the rear wheels can damage the turf. Once the position of the docking station is confirmed and mains electrical connection is laid out, please do not connect to main power yet. Finish all boundary layout work before connecting the docking station to the power supply.

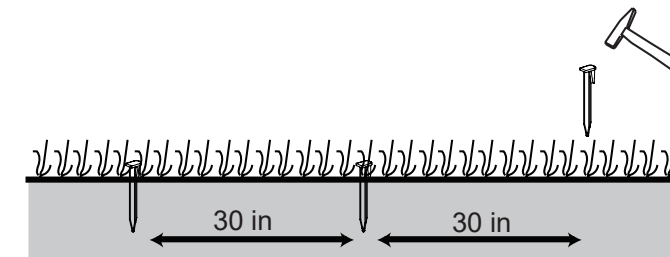
### Pegging your boundary wire

We strongly recommend mowing the lawn to 2.5 in or less before laying out the boundary wire. Burying the boundary wire is entirely optional. Still, the closer to the ground you lay out the boundary wire, the lower the chance of tripping over it or damaging it when mowing the lawn.

Use the included ruler to ensure the required 12 in distance between wire and obstacles.



The recommended distance between two pegs is about 30 in in straight lines, and less in tight curves. Note that the pegs' hook and wire slit always faces the outside of the boundary. Within a short time the cable will be covered with grass. Since the voltage is only 32 V, there is no risk of electric shock. Make sure that the hook of the peg and the opening for the cable always face the demarcated.



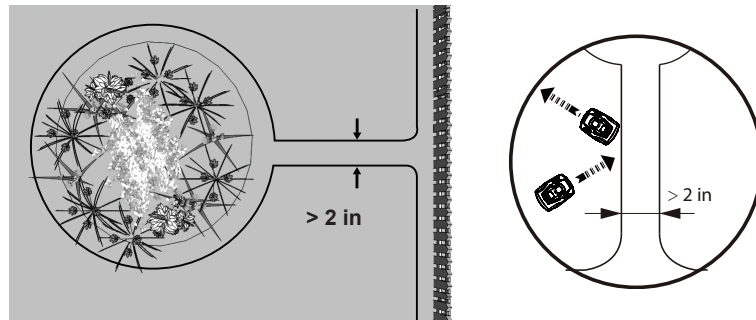
When first planting the pegs, do not drive them fully into the ground. Use a light hammer to drive them in a little bit. Also locate the fixing pegs and lay each one on the lawn at approximately the correct distance from lawn edges (12 in) and obstacles.

## ASSEMBLY

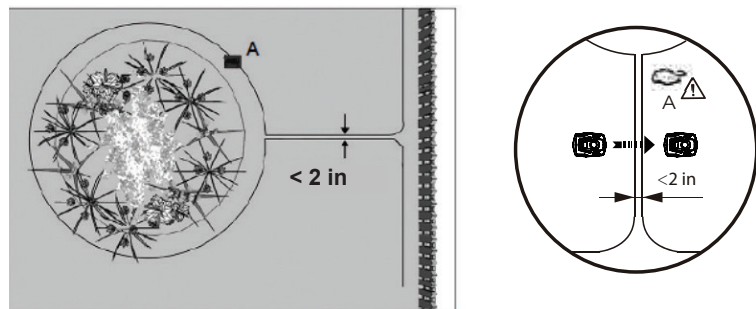
### Flowerbeds

Use the boundary wire to exclude any flowerbeds from the cutting area. There are two options for the two lengths of boundary wire running between the flowerbed and the outer boundary:

1) Keep the distance between the parallel wires above 2 in. This way, the Robotic Mower will recognise the boundary wire as an ordinary obstacle. When cutting, it will "bounce" off it as usual. When following the boundary wire back to the docking station, it will take the detour around the flower bed.



2) Alternatively, keep the distance between the two parallel wires below 2 in. Do not cross the wires - see below. This way, the Robotic Mower will not recognise the wires and travel across them unhindered. This option requires placing an obstacle on the boundary wire around the flowerbed. Place the obstacle, e. g. a large rock or pole, near position A indicated on the below illustration. The obstacle must be surrounded by a flat area of about 3.3 ft X 3.3 ft, without any slopes. This obstacle will allow the machine to exit the circle.



### Ponds and Pools

While the Robotic Mower is protected against rain and spray water, being submerged is likely to cause severe damage to the electronic parts.

Therefore, it is imperative to exclude any pools from the cutting area. For added safety, we recommend placing a fence around the pool.

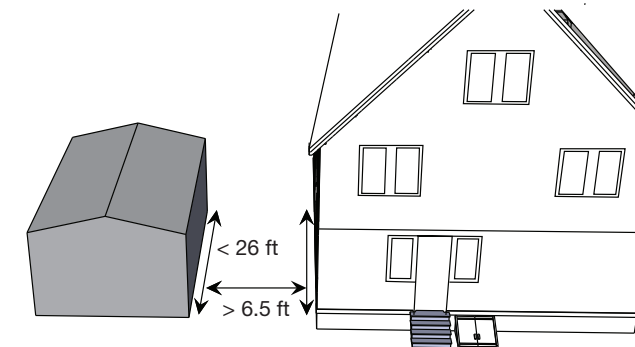


## ASSEMBLY

### Inventory and garage

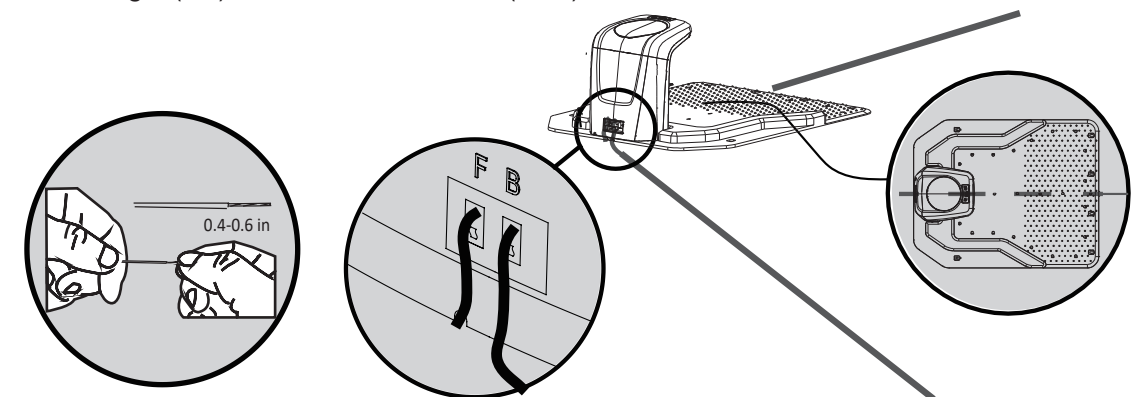
If you have created a boundary corridor inside your working area, the corridor should be at least 6.5 ft wide and a max length of 26 ft.

If a corridor is too narrow or too long, the Robotic Mower might not be able to navigate it from one end to the other.

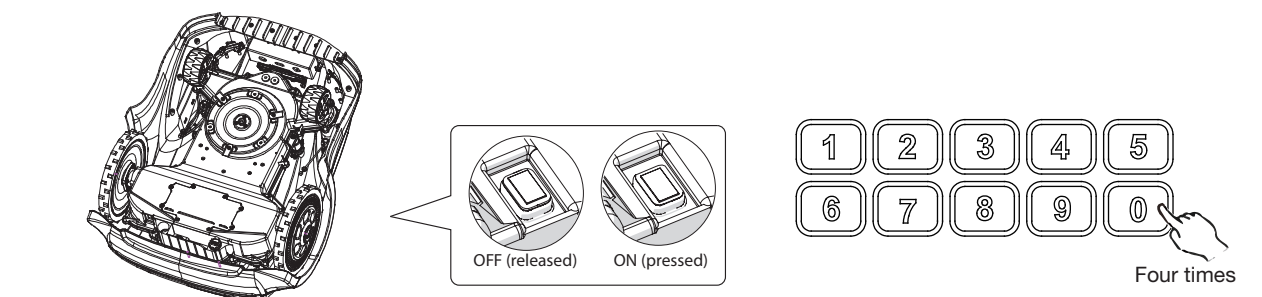


### Connect the docking station to the boundary wire

Run the boundary wire underneath the front of the docking station and connect the end of the wire to the left (black) connector marked 'F' (front). After you have placed the wire around the garden then place the other end into right (red) connector marked "B" (back).




Insert the mains plug into a properly installed socket. Once the blue LED confirms all is OK, test the Robotic Mower's function. Check the LED regularly to ensure fixing the boundary wire has not affected the connection and signal shows S1 on the charging station. Then place the Robotic Mower in the working area, a few metres beside the docking station. Set the main power switch to "ON". and then check the S1 signal on the panel is light on, press 4 times 0 to unlock the panel.



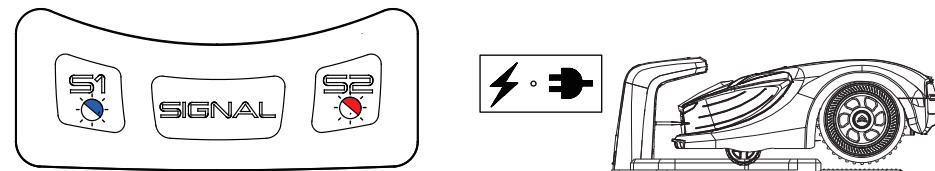


## ASSEMBLY

Press the buttons  and OK button, then close the lid, a few seconds later, Mower should automatically return to the docking station by locating and following the boundary wire in anti-clockwise direction. If Robotic Mower fails to dock correctly, move the docking station to a more suitable position.



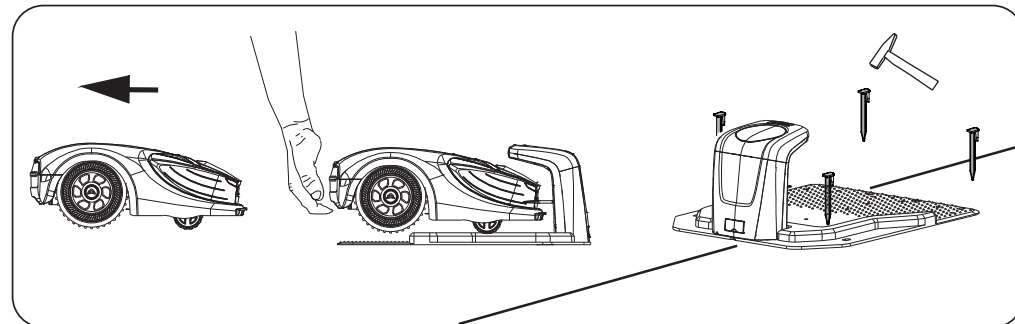
Once the device has docked, "Charging" will show on the display, and the S1&S2 indicators on the docking station will flash alternately. This indicates that the battery is charging correctly.



After initial installation, the Robotic Mower will remain in the docking station until the battery is fully charged.

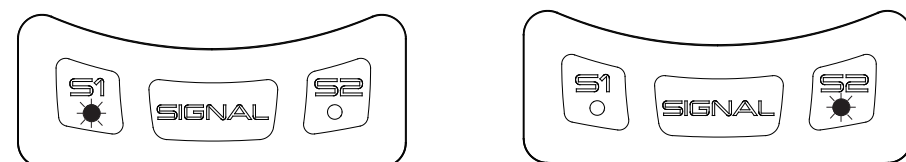
Successful docking and charging indicates that you have found a suitable position for the docking station. You should now drive fixing pegs into ground fully.

Take care not to damage or kink the surplus wire stored under the docking station.



### Signal selection

**Note:** the default signal is S1, no need to change the signal when there isn't a influence signal form the neighbors.



## ASSEMBLY

If your neighbour is using the same mower, you will need to keep a distance of 20 in between you and your neighbour's boundary wires to prevent the two devices interfering with each other. Ensure to position your docking station at least 33 ft away from your neighbour's boundary wires and that both products are using different signals. Please refer to section "Signal setting" in order to select signal S1 or S2 for your installation.

1. Press the "signal" button on the charging station, the indicator will be switched to S2.
2. Press the "S2" button on the control panel. the indicator will be switched to S2.

