

Base Station Stakes (x4)

For affixing the Base Station to the ground



Wire Connectors

For splicing the Perimeter Wire in case of a cut



Plot Connectors

For connecting the Perimeter Wire to the Base Station

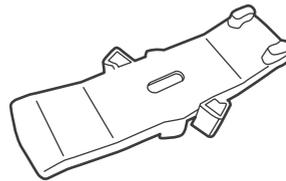


User Guide



RoboRuler

For measuring the Perimeter Wire's distance from the lawn's edge



RoboTool

For blades replacement and servicing. **IMPORTANT! Keep this tool for future use.**

Ready? Let's begin...

1 Get started

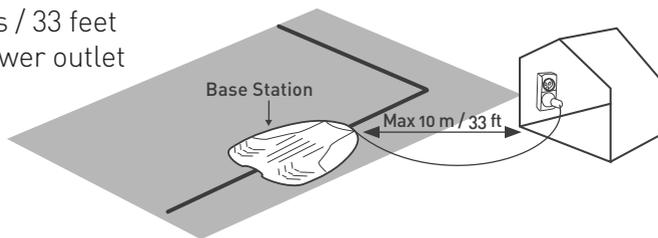
Choosing the Base Station location

The Base Station is where your mower recharges, and where the Perimeter Wire starts and ends.

Follow these simple guidelines to find a proper location for your Base Station

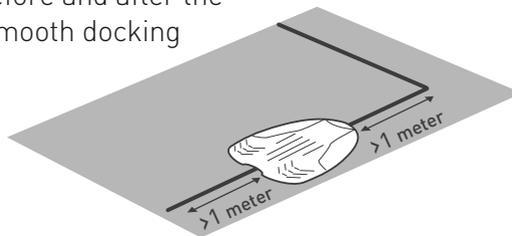
Rule #1:

Up to 10 meters / 33 feet
away from a power outlet



Rule #2:

A min. of 1 meter / 3.3 feet
straight wire before and after the
base to allow smooth docking



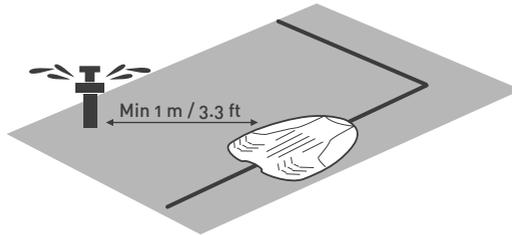
Rule #3:

Even and flat (up to
+/-5% slope)

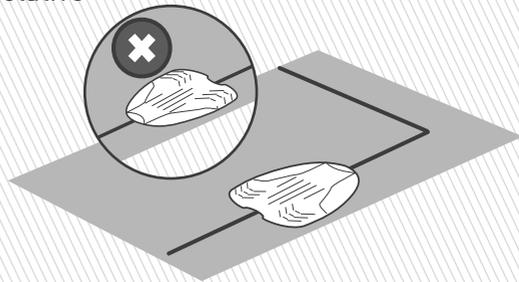


Rule #4:

A minimum of 1 meter / 3.3 feet from a sprinkler head to avoid damaging the mower's internal components



Watch the proper direction of the Base Station relative to the lawn's edge



TIP

The Base Station will be installed at a later stage, after the Perimeter Wire is in place.

**** See additional installation options in Appendix A ****

2 Lay the wire

Lay the Perimeter Wire (“virtual boundary”), which defines the working area for the mower.



TIPS

- Have mower’s package nearby.
- Before you start wiring, use your old mower to cut your grass to the height no more than 6 cm (2.5”) one last time. This will make inserting pegs easier and help ensure the mower doesn’t cut the wire.



WHAT YOU’LL NEED



Hammer



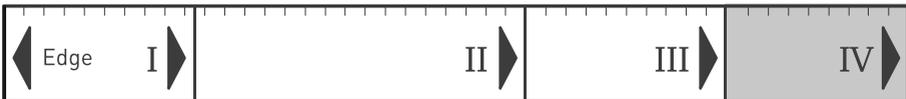
Combination pliers

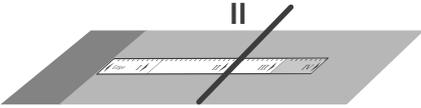


Cutter

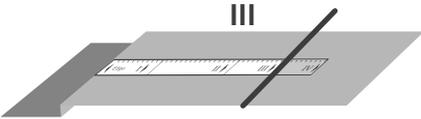
A. Get to know wire distances

Use the RoboRuler to determine a distance, which you should keep between the Perimeter Wire and the lawn’s edge.

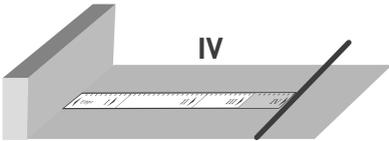




If the edge is relatively flat, lay the wire at RoboRuler distance **II** from it.



If the edge is a drop, use distance **III** of the RoboRuler.



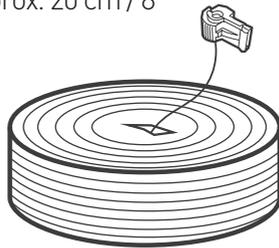
When the edge is a wall, use distance **IV** of the RoboRuler.



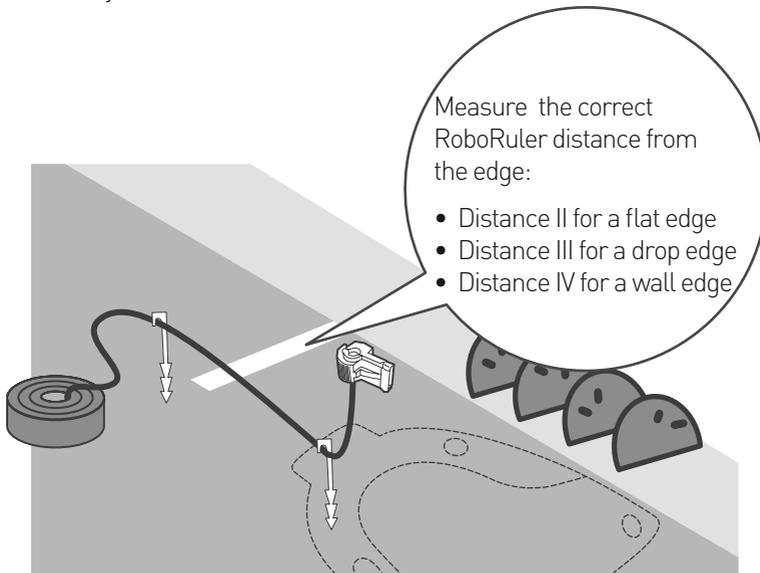
Keep a minimum of 1.2 m (4 ft) if the edge of the lawn borders water.

B. Make a good start

- Pull out the wire end marked "A" from the Perimeter Wire spool
- Leave a tail of approx. 20 cm / 8"



- Once a tail is made, secure it to the ground where you intend to install your Base Station



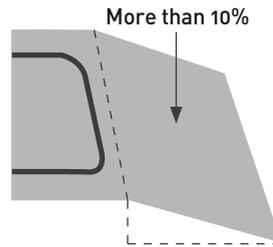
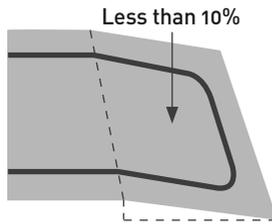


SLOPES

TIP

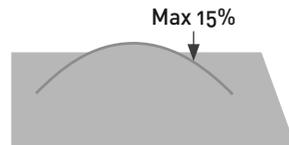
Slopes along the edge

To ensure your mower doesn't slip off the lawn, especially when the grass is wet, the Perimeter Wire must exclude a slope along the edge of your lawn with an incline of over 10% - that is, 10 cm rise per 1 m [4 in rise per 3 ft].



Slopes within the lawn

Your mower can mow areas within the lawn with a slope of up to 15% [15 cm rise per 1m/0.5 ft rise per 3 ft].



Well done! This was the most complex part of the wire installation. Let's move on...

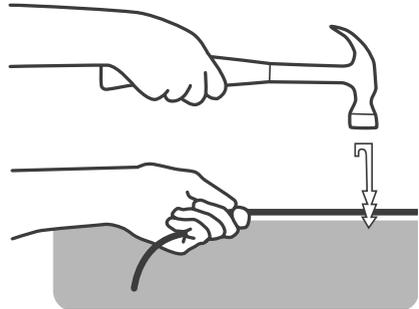
C. Keep laying the wire



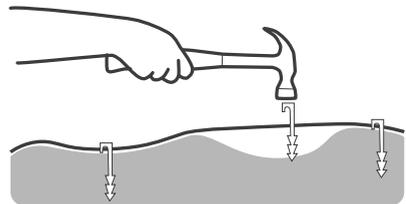
Start unwinding the wire counter clockwise around the lawn starting at the Base Station's location.

Lay the Perimeter Wire loosely along the perimeter as you walk along the lawn's edge.

- The Perimeter Wire is secured to the ground by the pegs supplied with the product.
- Pull the wire tight while hammering the pegs to their final depth in the ground.
- Take care not to damage irrigation pipes.



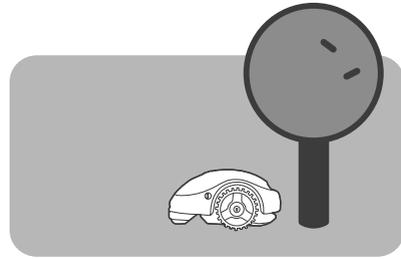
- Place the pegs every few tens of centimeters.
- Add pegs where necessary to keep the wire tight to the ground to avoid damaging it by the mower.



D. Protect obstacles

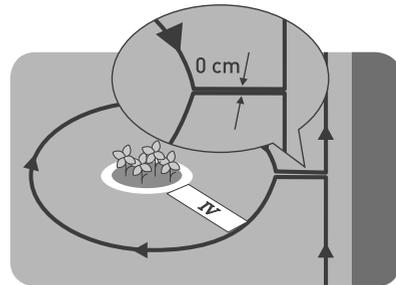
Hard obstacles

Obstacles that are vertical, rigid and higher than 15 cm (6 in), such as trees or telephone poles, do not need to be protected by the Perimeter Wire. The mower will bump into them and turn away.



Soft obstacles

Objects such as flower beds, ponds, or small trees must be protected by setting Perimeter Islands.

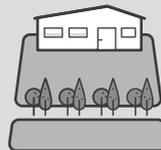


Set the Perimeter Wire **CLOCKWISE** around the obstacle, otherwise the mower will drive into the Perimeter Island or won't be able to mow the area around it properly.

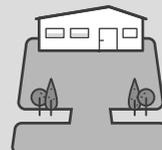


E. What if you have secondary areas?

If your lawn has additional areas as shown below, see Appendix B.

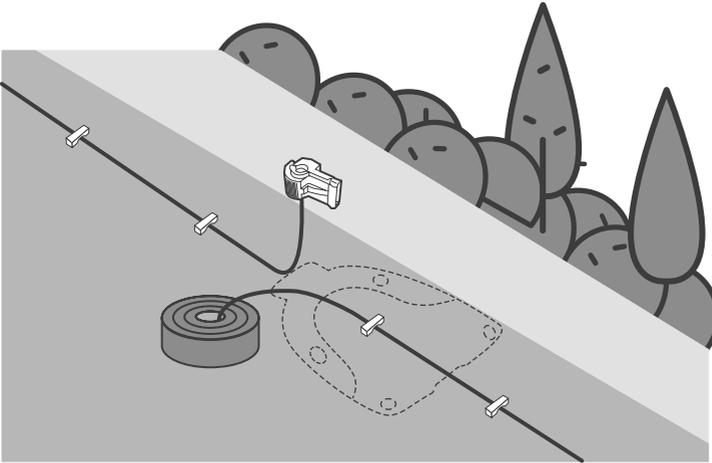


OR

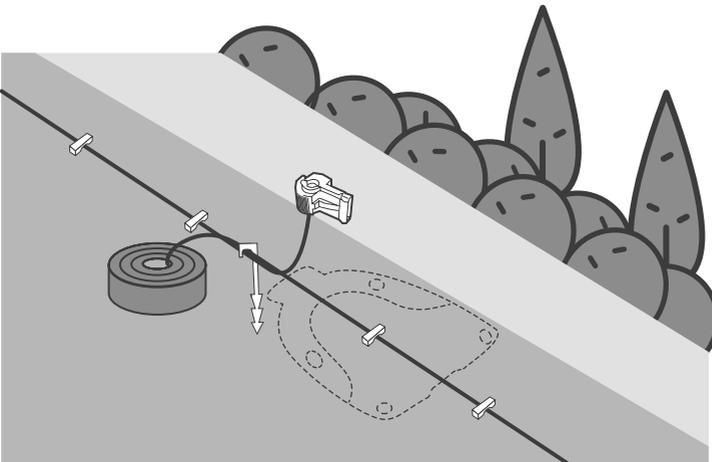


F. Complete wire setup

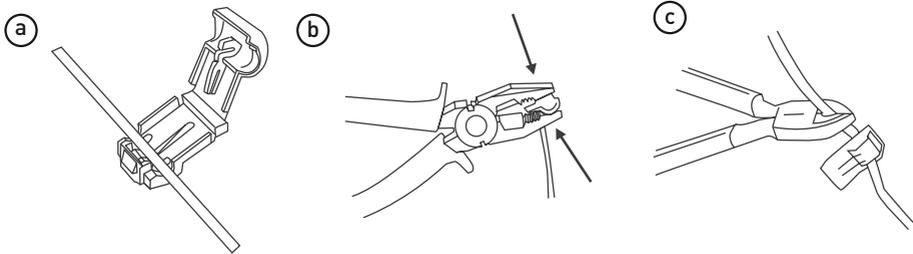
- Arrive back to the base location until the two wire ends meet each other



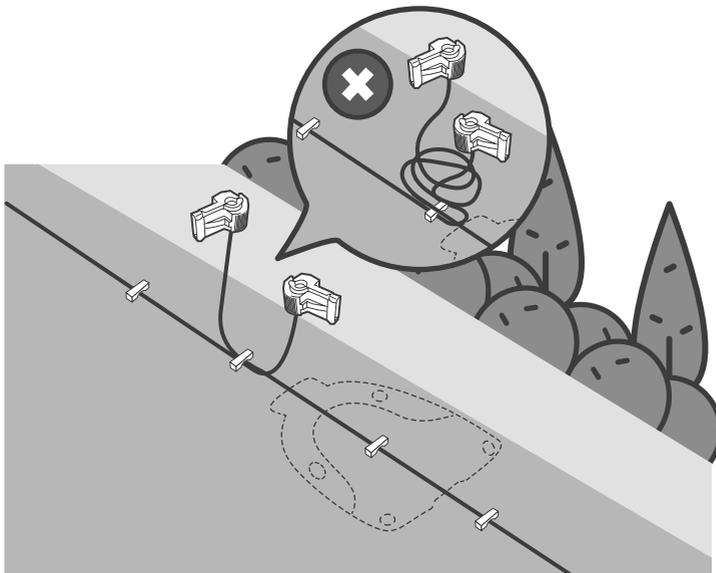
- Put the last peg very close to the first one



- Put one of the provided plot connectors on the second wire end
- Use pliers to press the connector and a cutter to cut off the remaining wire
- Make both wire end the same length

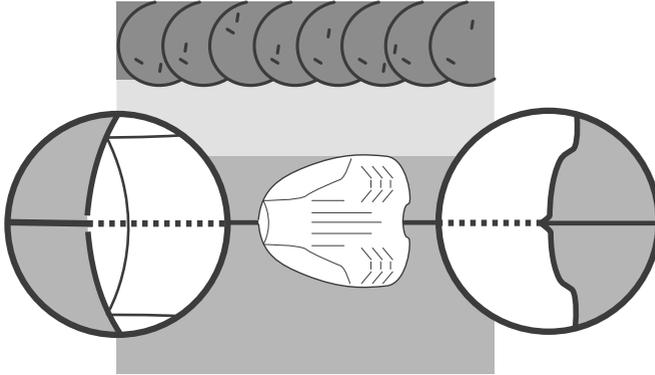


- Do not leave or create wire wraps

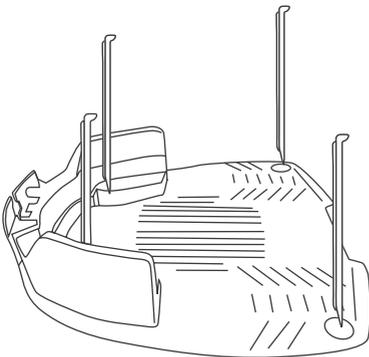


3 Set base

- Place the Base Station in its planned location
- Properly align the center of the Base Station with the Perimeter Wire



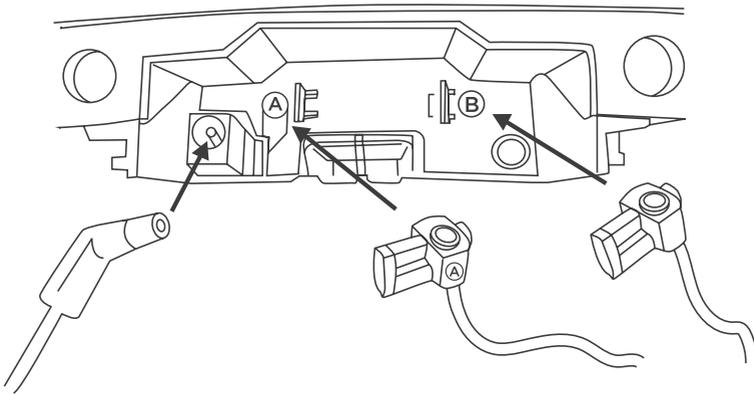
- Fix the base to the ground with the 4 supplied metal stakes



Be careful not to damage irrigation pipes when hammering down the stakes.

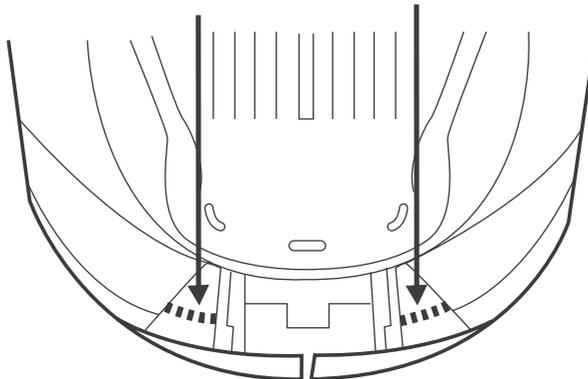
4 Power up

1. Connect the wire tail marked A to the A terminal and the other tail to the B terminal of the Base Station head.
2. Connect the power supply connector to the Base Station head as well.

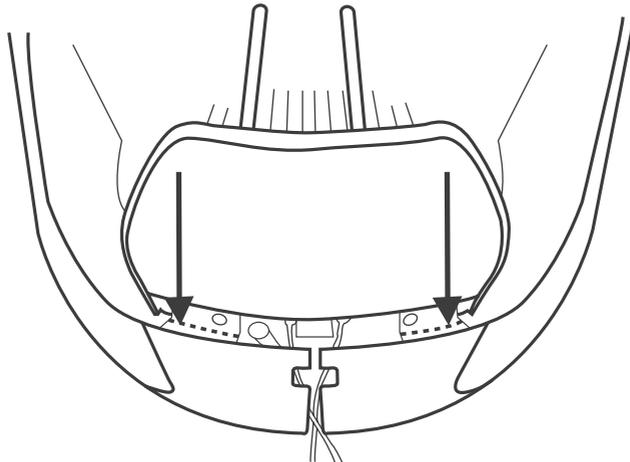


3. Note the markings for placing the Base Station Head.

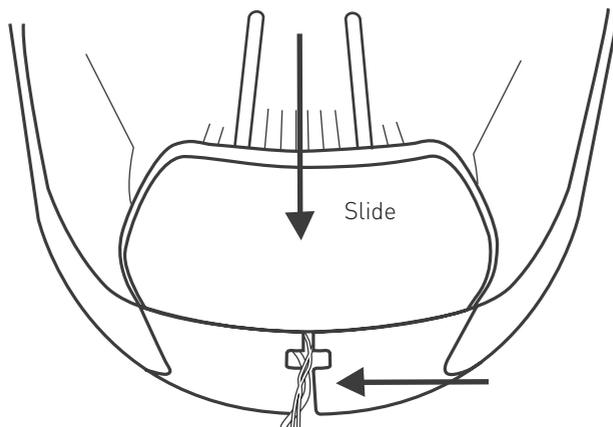
Markings for placing the Base Station Head



4. Place the head on the Base Station and align it with the markings as shown in the picture below.



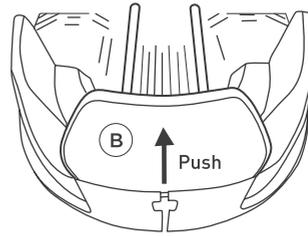
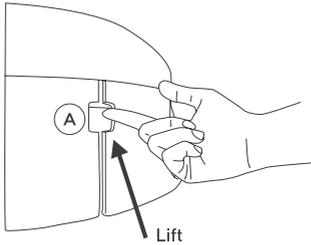
5. Slide the head all the way through.
Pay attention to the sliders and a dedicated slot for threading the wires.



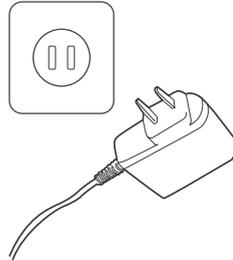


TIP

If for some reason you need to remove the base station head, you can do so by lifting the lever (A) and pushing it towards the inside of the base.



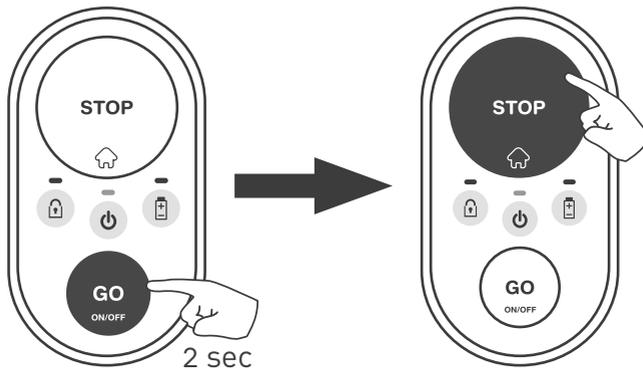
6. Plug in the power supply into a socket.



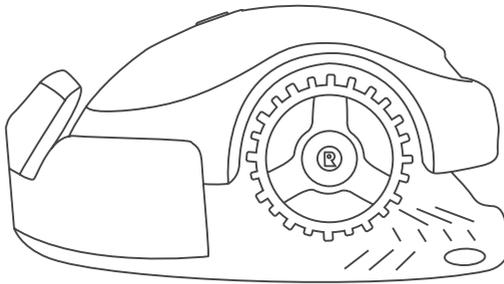
Take the power cord out of the mowing area (to prevent the mower from damaging it) and secure the cord firmly to the ground (so that it does not become a tripping hazard).

5 GO!

- Place your mower in the center of your lawn
- Press GO for 2 seconds to switch it on
- Now press the STOP / 🏠 once to send the mower to the Base Station.



- The mower will start driving towards the edge of the lawn to locate the Perimeter Wire. Once on it, the mower will follow the wire to reach the Base Station and park there for charging.



Operating your mower is super easy! For basic commands and troubleshooting, please refer to the “Quick Reference” part.

Your mower is ready!

Well Done!

***Now relax, and let your
mower do the work.***

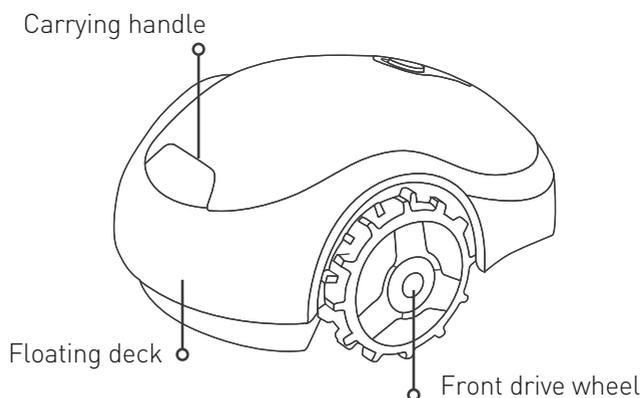
Quick reference

- ① ***Knowing your mower***
- ② ***Single-button operation***
- ③ ***Additional options with the mobile app***
- ④ ***Taking care of your mower***
- ⑤ ***Troubleshooting***
- ⑥ ***FAQs***

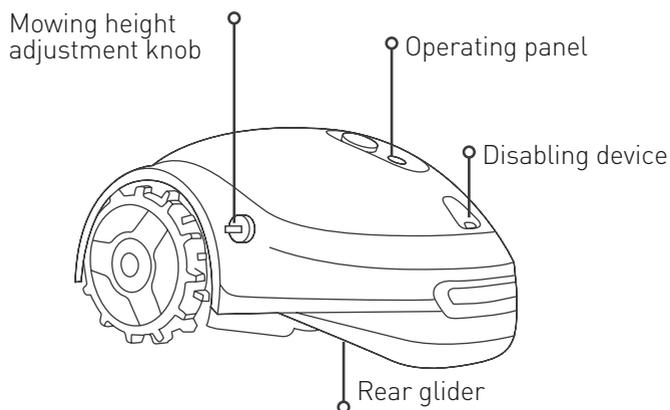
1 **Knowing your mower**

In order to fully enjoy your mower, learn about its different parts and messages. Understanding how it works and interacts will lead to smooth and easy operation.

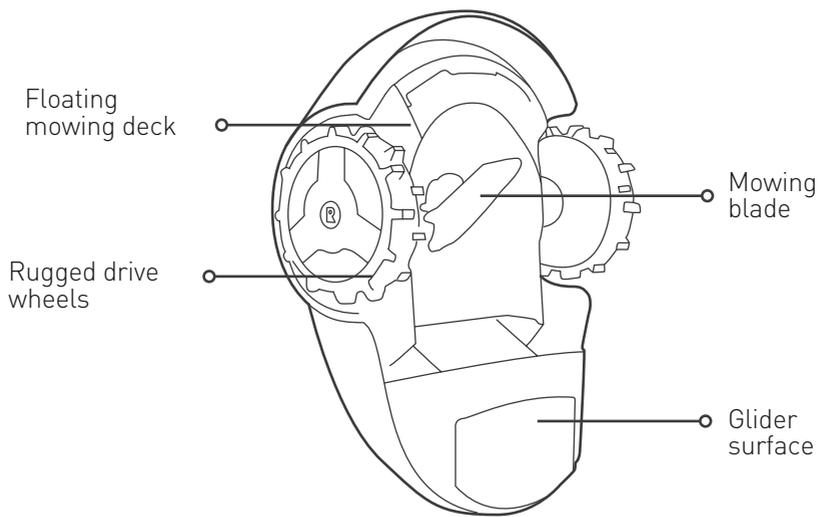
Front side



Rear side



Bottom view



Operating panel

Lock indication:

Steady orange: child protection is active

Blinking orange: theft protection is active

ON-OFF indication:

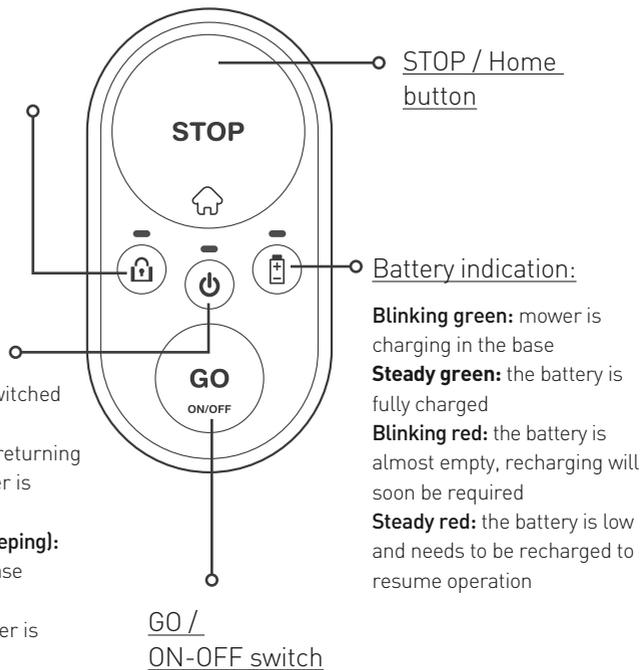
Steady green: mower is switched on / mower is in operation

Blinking green: mower is returning to the Base Station / mower is driving to a starting point

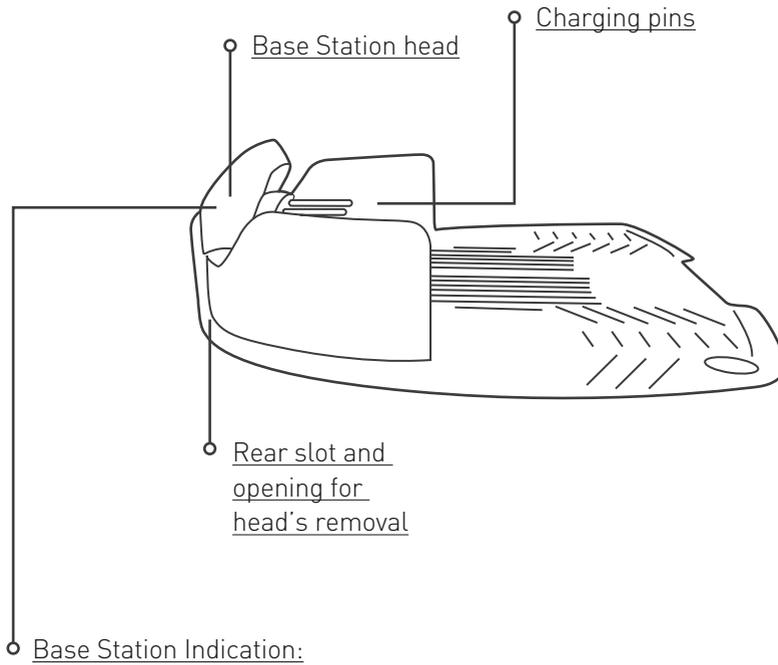
Blinking green fast (and beeping): mower is departing from Base Station

Blinking green slow: mower is asleep

Blinking red / steady red: mower is at fault (see troubleshooting section)



Base Station



Steady green: perimeter wire signal is OK; the mower is inside the base

Blinking green: perimeter wire signal is OK; the mower is outside the base

Blinking red fast: perimeter wire is damaged or disconnected

Blinking red slow: poor perimeter wire connection or the wire is too long

Steady red: faulty power supply

② **Single-button operation**

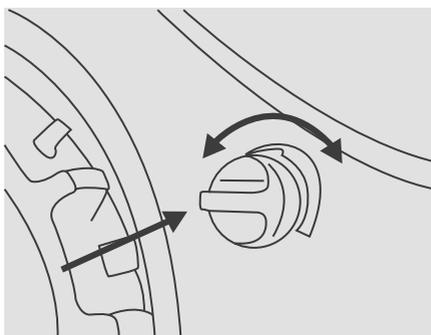
Before anything else



IMPORTANT SAFETY WARNING!

Do not leave the mower to operate unattended if you know that there are pets, children or people in the vicinity. Never mow while people (especially children) or pets are nearby.

- Clean the lawn from stones, fallen branches or other foreign objects before using the mower.
- Set the mowing height to the desired level. We recommend setting the mowing height to the maximum during the first mowing operation or at the beginning of a season, and then gradually reducing it to the desired level.



To set the mowing height, push and turn the mowing height adjustment knob to the desired direction:

- **I** means the lowest mowing height (15 mm / 0.6")
- **IIII** means the highest mowing height (45 mm / 1.8")



TIP

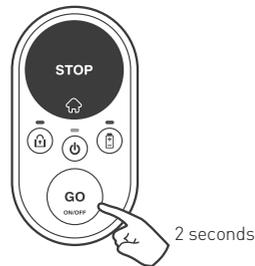
- Your mower is designed for frequent cutting at a desired height
- Before the first use, make sure your grass is cut not higher than 60 mm (2.5")

Powering up

To power up your mower, press and hold the GO button for 2 seconds until the ON/OFF indication is lit.

When you need to switch it off, simply press and hold GO button for 2 seconds, until the ON/OFF indication goes off.

Note: If the theft protection is enabled (not applicable to models for lawns under 200 m² / 2150 ft²), you will need to unlock your mower via the mobile app before you can switch it off.



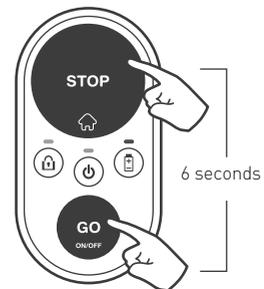
Enabling child protection

Child protection prevents accidental use of the mower by little children. When child protection is enabled, the mower will require a special combination to start a mowing operation or to go back to its base.

To enable child protection, press and hold the GO + STOP buttons together for 6 seconds.

If you wish to disable child protection, press and hold the GO + STOP buttons together for 6 seconds again.

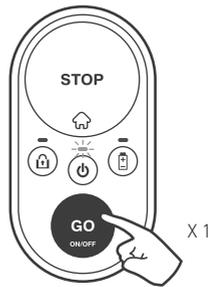
Alternatively, child protection can be enabled or disabled conveniently via the mobile app (not applicable to models for lawns under 200 m² / 2150 ft²).



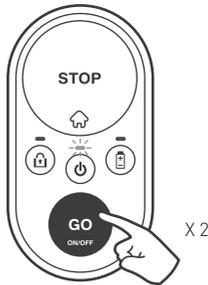
Starting a mowing operation

Starting a mowing operation is super easy!

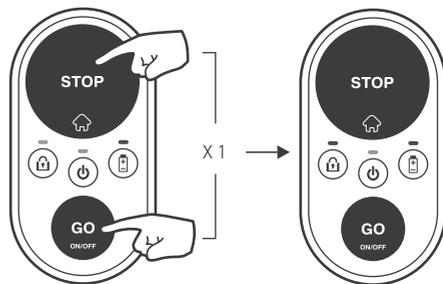
If you wish to start a **regular mowing operation** (up to 2 hours of continuous mowing), all you need to do is to press the GO button once.



If the regular mowing duration is too long for your lawn, you can initiate a short mowing operation (of up to 60 minutes) by pressing the GO button twice.



When child protection is enabled, a special combination of keys is required to start a mowing operation. Hold down the STOP button and press the GO button once to unlock the child protection for 30 seconds. The Lock indication will be temporarily switched off. Now you can start a mowing operation as described above. As soon as the mowing operation is started, the child protection will automatically relock itself.



Stopping an operation

To stop any current operation, press the STOP / ☰ button.

Sending the mower to its base

To send the mower to its base, simply press the STOP / ☰ button when the mower is inside the lawn.

If child protection is enabled, see the “Starting mowing operation” section above to temporarily unlock it. Then press STOP / ☰ button to send the mower to its base. The child protection will relock automatically.

Automatic charging

Once a mowing operation is finished, your mower automatically returns to its base station for charging to be ready for the next operation.

How much mowing does your lawn need?

The amount of mowing depends on a season and on the size of your lawn. We recommend the following amounts of weekly mowing times per lawn size in peak season.

Lawn size	Recommended weekly mowing times
Up to 50 m ²	2 hours
50 - 100 m ²	4 hours
100 - 150 m ²	6 hours
150 - 200 m ²	9 hours (not applicable to models for lawns under 200 m ² / 2150 ft ²)



TIPS

For the best look of your lawn, we recommend spreading the mowing times evenly among as many days in a week as possible.

3 Additional options with the mobile app

**(not applicable to models for lawns under
200 m² / 2150 ft²)**

Your mower is a smart connected product. It comes with a built-in Bluetooth LE (Low Energy) device that enables you to control your mower from your smartphone.

A free complementary mobile app will allow you to experience your mower in a whole different way!

You can download the app from Google Play Store (Android) or from Apple AppStore (iOS).

Along with a totally exciting experience, it brings additional options and capabilities to your small and clever mower:

- **Setting automatic mowing schedule**
- Activating theft protection
- Defining additional starting points
- Remote controlling with manual mowing
- Remote diagnostics by a service station

4

Taking care of your mower

Periodic maintenance



WARNING

Severe injury and damage hazard!

Always switch the mower off before lifting it. The blade is very sharp. It can cause severe cuts or lacerations. Always wear heavy work gloves when working with or around the blade. NEVER use a damaged or broken blade. NEVER sharpen the blade manually.

Once a month:

- Inspect the underside of the mower. Clean if necessary. Carefully scrape the collected grass debris (using a small stick or similar object) from under the mowing deck.
- Check the Perimeter Wire and add pegs where it is loose and not tight to the ground. In case of seasonal changes in the lawn, make sure to adjust the wire accordingly.
- Inspect the Base Station, clean it from mud and debris to allow proper docking.

IMPORTANT!

NEVER use high pressure water to clean the mower. Liquids can damage components. Use only a damp or wet cloth to wipe the surface clean.



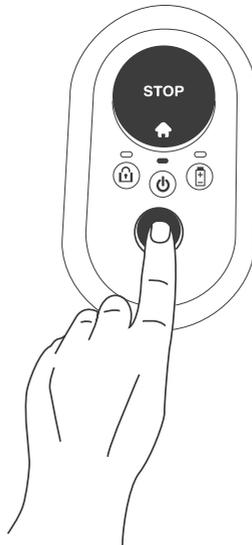
To allow better maintenance and to keep your mower in good condition, it is recommended to take it to a certified dealer for service prior to winter storage.

Operating the Disabling Device

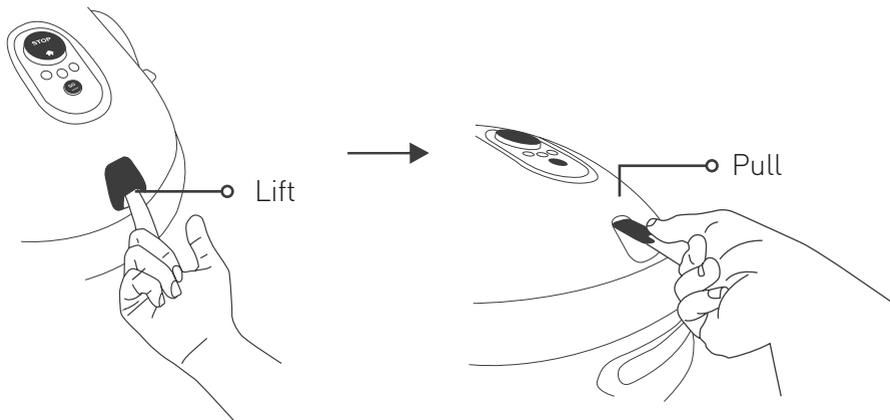
- The Disabling Device prevents the operation of your mower when it is removed.
- If the Disabling Device is pulled out, the current operation will be immediately halted, the Lock indication will blink three times and the ON/OFF LED will switch off.
- If any button on mower's operating panel is pressed, the Lock indication will blink three times to indicate that the Disabling Device is missing.
- If theft protection is enabled, it will remain active even though the Disabling Device is removed.

Replacing the blade

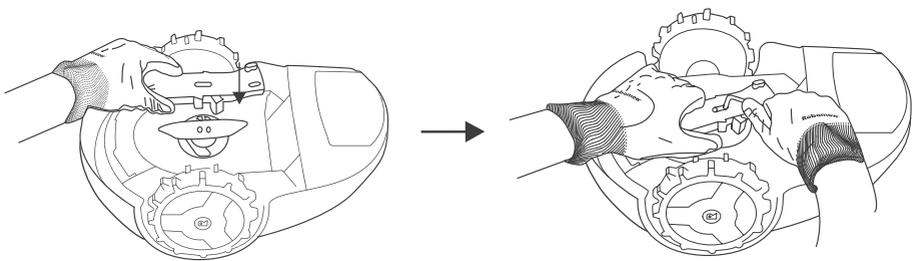
1. Power the mower off by pressing GO button for 2 seconds.



2. Remove the Disabling Device.



3. Put on heavy-duty gloves, and place RoboTool over the blade so that it covers the whole blade.



4. Use the provided Allen tool (comes with a replacing blade) to unscrew the screws while holding the blade with the RoboTool.

5. Replace the blade with a new one (Part No.MRK9100A/MRK9100W).

6. Make sure to close both screws tightly.

Winter storage

The mower

- Charge the mower fully in its base
- Switch it off by pressing the GO button for 2 seconds
- Store in dry indoor conditions at ambient temperatures above 0°C.

Base Station

- No winter storage is required for a Base Station. It can be left on the lawn during the winter period.
- It is recommended to disconnect the Power Supply from the mains during the winter storage period.

Winter service

- To allow better maintenance and to keep your mower in good condition, it is recommended to bring it to a certified dealer for service prior to winter storage.
- Winter service includes operations like cleaning the mower's parts and mowing deck, checking for worn parts (such as blade, drive wheels and other moving parts) and replacing them if required, testing the mower's functions and safety components, checking the battery, and uploading a latest software version, possibly including newly added features.

Battery replacement

1. Make sure the mower is not in the Base Station.
2. Power the mower off by pressing GO button for 2 seconds.
3. Remove the Disabling Device.
4. Ensure that only a replacement battery of the right type (Part No. MRK9101A) is used.
5. Warning! Do not use a non-rechargeable battery.
6. For the orientation of the battery with regard to polarity and the method of replacement, refer to the instructions supplied with the replacing battery or to our online Help Center.
7. For the instructions on how to deal with a leaking battery, refer to the "Batteries" section of the provided safety instructions.
8. Environmental protection:
 - a. Remove the battery from the appliance before scrapping it.
 - b. The battery is to be disposed of safely.
 - c. For additional disposal instructions see the "Product end of use" section of the provided safety instructions.

5 Troubleshooting

Simple troubleshooting steps

In case of a fault, the On/Off indication on mower's panel will light up in red. Press any button to check for an optional sound indication for the fault. The table below will guide you to the corresponding action to take.

No. of beeps	ON-OFF indication	Meaning	Corrective action
•	Blinking red	Mower crossed outside / mower is stuck in place / lift event detected/ wrong wire connection	<ul style="list-style-type: none"> • Check that the Perimeter Wire is not too close to the edge or not on a sloped area. • Move the mower inside the lawn or away from this particular location and renew the operation. • Check the ground ditches. Fill with dirt and level off. • Swap wire connections at the base station head
••	Blinking red	Check the blade / mow motor overheat	<ul style="list-style-type: none"> • Remove the Disabling Device and inspect the blade for foreign material or debris preventing rotation. • Increase cutting height.
•••	Blinking red	No wire signal / waiting for signal / wire is cut	<ul style="list-style-type: none"> • Confirm power supply is plugged into the power outlet. • Check power supply and perimeter wire connection to the Base Station. • Check the indication on the Base Station. If the wire is cut, repair is with the provided wire connectors.
••••	Blinking red	Check drive wheels / drive motor overheat	<ul style="list-style-type: none"> • Check the drive wheels and remove grass or other objects.

No. of beeps	ON-OFF indication	Meaning	Corrective action
None	Blinking red (two LEDs)	No power supply / charging problem	<ul style="list-style-type: none"> • Confirm power supply is plugged into the power outlet. • Confirm a good connection of the power supply to the Base Station. • Clean the charging pins.
None	Steady red	Other faults	<ul style="list-style-type: none"> • Check in the mobile app* or call the service.

(*) All faults and corresponding corrective actions are communicated and described in the app as well. This feature is not available for models sold in the United States.

Special indications

Indication	Meaning
Periodic beeps + ON/OFF LED is red	The mower has been lifted or tilted up.
Error sound + Battery LED blinks red two times	Mowing attempt while the battery is low. Need to recharge battery first.
Error sound + Lock LED blinks two times	Mowing attempt while child protection is enabled. Press the GO and STOP buttons together to temporary release the child protection. Now press GO once or twice to start mowing.
Error sound + Lock LED blinks three times	Mowing attempt while theft protection is enabled. Unlock the mower with a registered mobile device first.
ON/OFF LED & Battery LED blink together in red, when the GO button is pressed	Battery voltage is too low to switch the mower on. Need to keep charging.
Lock LED blinks three times while ON/OFF LED is off	The Disabling Device is removed. Insert the Disabling Device to operate the mower.

Rebooting your mower

If for some reason your mower needs to be rebooted, simply switch it off and on.

Resetting the mower to factory defaults

When it is required to bring the mower to its factory defaults, you may do so by pressing the GO button for more than 10 seconds (until you hear a long beep and all LEDs start blinking) while the mower is switched off.

6 Frequently Asked Questions

Mower does not dock properly and sometimes misses Base Station's contacts

The entrance to the Base Station is not flat. Fill some ground to flatten the lawn around the Base Station to allow smooth entrance. Make sure the Perimeter Wire is laid according to the installation instructions on the supplied installation template. Make sure that the Base Station is placed on a relatively level ground.

Poor mowing quality

The blade may be dull. Remove the Disabling Device. Put on heavy-duty gloves and inspect the blade. Replace if needed. Avoid mowing wet grass. For the best cut, operate your mower when the grass is dry. It is recommended not to mow in the early morning hours.

Patchy and uneven mowing

Current mowing times are not enough. Increase the time your mower runs on the lawn. Define additional starting points (not applicable to models for lawns under 200 m² / 2150 ft²) for a more uniform coverage.

Mower does not depart from base for a long time (not applicable to models for lawns under 200 m² / 2150 ft²)

Tap and hold the grey Home button in the app for 3 seconds while the mower is in the Base Station. The non-depart reason will be displayed.



Mower operates at wrong times (not applicable to models for lawns under 200 m² / 2150 ft²)

Verify that the time on the mower is set correctly. The mower's time is automatically synchronized when it connects with a mobile device.



Mower bumps in a rigid lawn's border too frequently

Move the Perimeter Wire to be at a distance of 45 cm /18" from any rigid border (like a fence) at the lawn's edge.



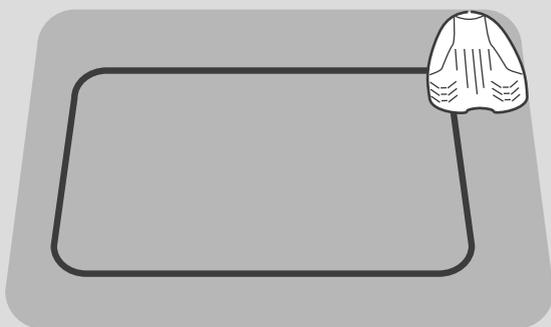
The mower is very noisy

The blade may be damaged or unbalanced. Check if the lawn is free from branches, stones or other objects that can damage the blade. Replace the blade if needed.

Appendix A

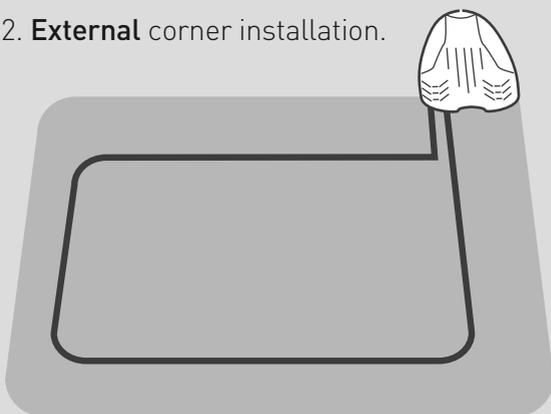
Additional installation options

1. **Internal** corner installation.



Refer to our
online Help Center
for additional
information.

2. **External** corner installation.



Refer to our
online Help Center
for additional
information.

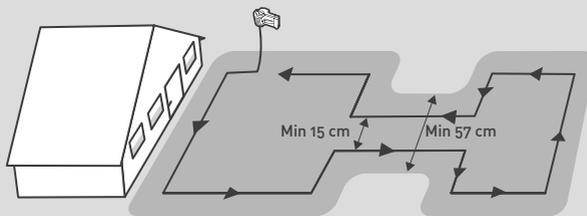
Requires configuring starting points via the app (not applicable for models under 200 m² / 2150 ft²)

Appendix B Secondary areas

Connected secondary areas

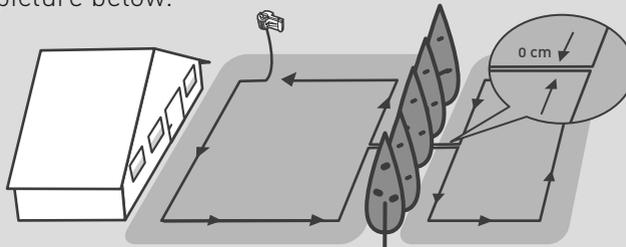
If your lawn has additional areas connected with a passage and the mower is able to drive through it, then you should bear in mind the following rules:

- The minimal distance between the wires in such passage should be 15 cm / 6"
- The minimal width of such passage should be 57 cm / 22"



Separated secondary areas

If your lawn has areas, that are completely separated (by a fence, sidewalk, pathway, etc.), then you can extend the perimeter wire to cover such secondary areas as shown in the picture below.



Appendix C

Operating basics

What to do	How to do it
Switch ON/OFF	Hold  for 2 seconds
Start regular mowing operation (up to 2 hours)	Press  once
Start short mowing operation (60 min)	Press  twice
Send the mower to the Base Station	Press  when idle

Common indications:

Blinking green: The mower is charging in the Base Station.

Blinking red: There is a fault; go to the "Troubleshooting" section of this guide or connect with the mobile app for more information.

Blinking red fast: The perimeter wire is cut. Check the Perimeter Wire's connection to the Base Station. Refer to our online Help Center for assistance on finding a wire break.

