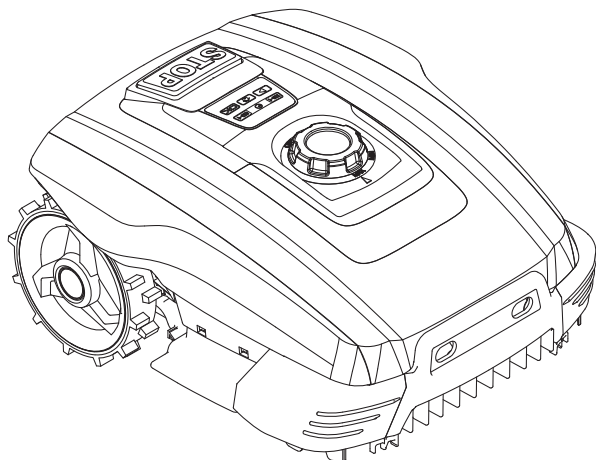




EN 300 m² robotic
lawnmower

EN ORIGINAL INSTRUCTIONS

IMPORTANT - These instructions are for your safety.
Please read through them thoroughly prior to handling
the product and retain them for future reference.



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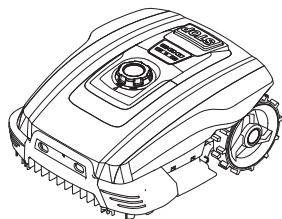
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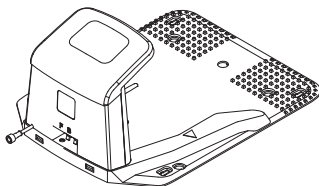
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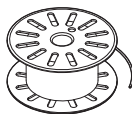
EN Parts



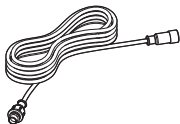
01. x1



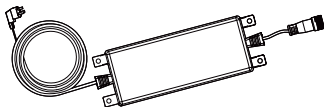
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03. x1



04. x1



05. x1



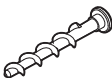
06. x3



07. x120



08. x3



09. x4



10. x1



11. x3

EN You will need



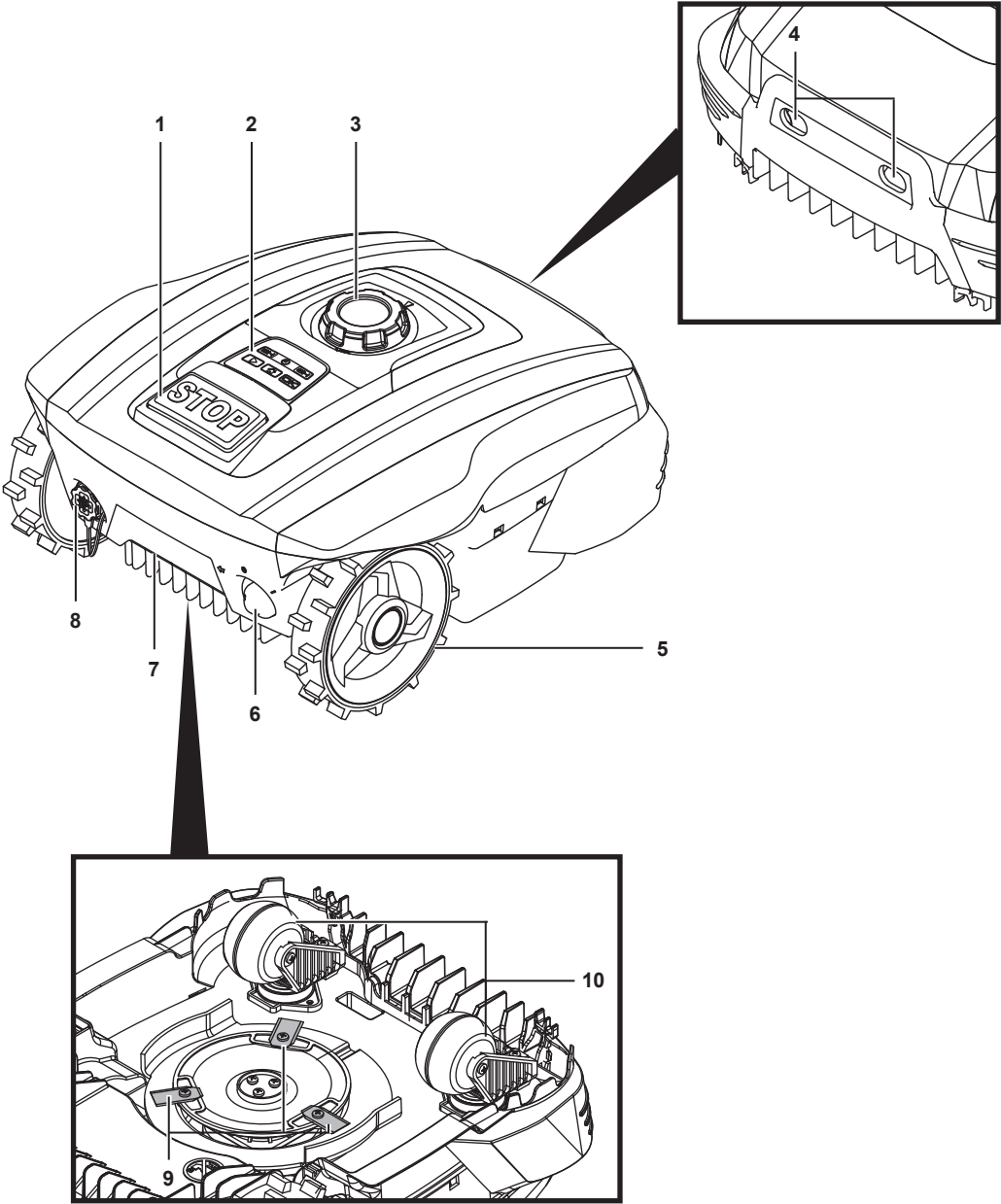
x1

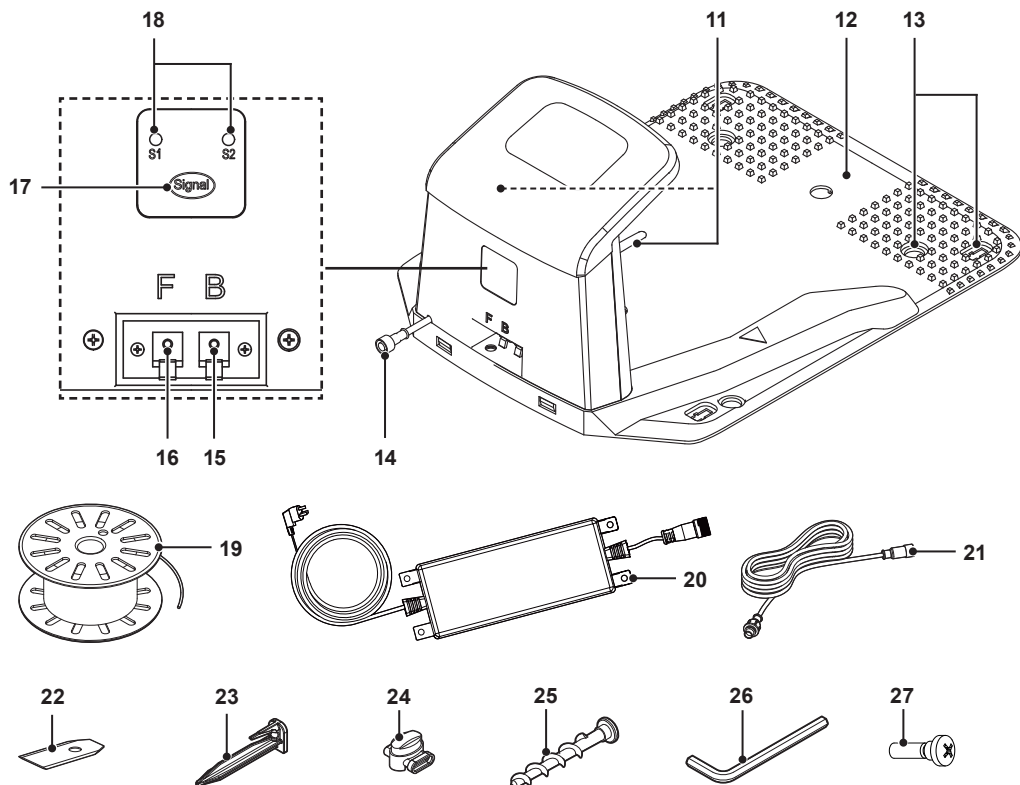
(items not supplied)

- Suitable personal protective equipment
- Wire strippers
- Wire cutter
- Pliers (for repairing boundary wire)
- Cross-head screwdriver (for replacing cutting blade)
- First aid kit

EN Contents

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Product description	3
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Technical specification	13
Before you start	14
Functions & Settings	25
Operation	29
Care and maintenance	31
Guarantee	36





- EN**
1. STOP button
 2. Control panel
 3. Cutting height adjustment knob
 4. Charging contacts
 5. Driving wheel (x2)
 6. Main power switch key
 7. Carrying handle
 8. USB port
 9. Cutting blade (x3)
 10. Castor wheel (x2)
 11. Contact pins
 12. Charging station
 13. Mounting hole
 - oval-shaped for peg (x4)
 - round-shaped for ground stake (x4)

14. Cable connector
15. Boundary wire terminal **B**
16. Boundary wire terminal **F**
17. Signal switch button
18. Signal indicator
19. Boundary wire
20. Switching power supply
21. Extension cable
22. Spare blade (x3)
23. Peg (x120)
24. Boundary wire connector (x3)
25. Ground stake (x4)
26. Hex key
27. Spare blade bolt (x3)



IMPORTANT

**READ CAREFULLY BEFORE USE.
KEEP FOR FUTURE REFERENCE.**

Safety warnings for robotic lawnmower



WARNING: Read all safety warnings, instructions, illustrations and specifications provided with this product. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term “machine” in the warnings refers to your robotic battery powered electrical lawnmower.

Training

- Read the instructions carefully. Be familiar with the controls and the proper use of the machine.
- Never allow children, persons with reduced physical sensory or mental capabilities or lack of experience and knowledge or people unfamiliar with these instructions to use the machine. Local regulations can restrict the age of the operator.
- The operator or use is responsible for accidents or hazards occurring to other people or their property.

Preparation

- The machine is only to be used with the provided power supply unit.
- Ensure the correct installation of the automatic perimeter delineation system as instructed.
- Periodically inspect the area where the machine is to be used and remove all stones, sticks, wires, bones, and other foreign objects.

- 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.
- On multi-spindle machines, take care as rotating one blade can cause other blades to rotate.

Operation

01 General

- Do not allow children to be in the vicinity or play with the machine when it is operating.
- Never operate the machine with defective guards, or without safety devices in place, or if the cord is damaged or worn.
- Do not overreach and to keep the balance at all times, and always be sure of the footing on slopes and to walk, never run while operating the machine or its peripherals.
- Always wear substantial footwear and long trousers while operating the machine.
- Do not connect a damaged cord to the supply or touch a damaged cord before it is disconnected from the supply for the reason that damaged cords can lead to contact with live parts.
- Keep extension cords away from moving hazardous parts to avoid damage to the cords which can lead to contact with live parts.
- Do not put hands or feet near or under rotating parts.
- Never pick up or carry a machine while the motor is running.
- Remove (or Operate) the disabling device from the machine
 - before clearing a blockage;
 - before checking, cleaning or working on the machine.
 - 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.
- Remove (or operate) the disabling device from the machine in case of accident or breakdown before checking and clearing.
- Avoid using the machine and its peripherals in bad weather conditions especially when there is a risk of lightning.

- Do not put anything on top of the machine or its charging station.
- The ambient temperature for charging and operation of the robotic lawnmower (incl. battery pack inside and charging station) should be between 0 to 45 °C.

02 Additionally when the machine is operating automatically

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

Maintenance and storage

- Keep all nuts, bolts, and screws tight to be sure the machine is in safe working condition.
- Do not touch moving hazardous parts before these have come to a complete stop.
- Replace worn or damaged parts for safety.
- Ensure that only replacement cutting means of the right type are used.
- 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.
- In the event of leakage of electrolyte flush with water/neutralizing agent, seek medical help if it comes into contact with the eyes, etc.
- Servicing of the machine should be according to manufacturers' instructions.
- Disconnect the machine or its peripherals from the mains, if the cord becomes damaged or entangled during use.

Safety warnings for charging station and power supply unit

- Never allow children, persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge or people unfamiliar with these instructions to use the machine.

- The supply cord of the power supply unit cannot be replaced. If the cord is damaged the power supply unit should be scrapped. Replace the power supply unit with an original one from the manufacturer or its authorised service centre.
- Only charge the robotic lawnmower as specified in this instruction manual. Do not charge other batteries or machines.
- Connect power supply unit only to a supply circuit protected by a residual current device (RCD) with a tripping current of not more than 30 mA.
- It is strongly recommended to connect the power supply unit to a wall socket indoor. The power supply unit can only be occasionally used outdoor if the outdoor socket and its installation fulfil the protection index IP68 or higher, which shall be approved and regularly checked by a qualified electrician.
- Do not connect a damaged cord to the supply or touch a damaged cord before it is disconnected from the supply for the reason that damaged cords can lead to contact with live parts.
- Keep power supply unit and the cord (especially the supply cord of charging station) away from cutting means and moving parts to avoid damages to the cords which can lead to contact with live parts.
- Do not cover the charging station or power supply unit. Otherwise, they can overheat and no longer operate properly.

Emergency

Familiarise yourself with the use of this machine by means of this instruction manual. Memorise the safety directions and follow them to the letter. This will help to prevent risks and hazards.

- **Always be alert when using this machine, so that you can recognise and handle risks early.** Fast intervention can prevent serious injury and damage to property.
- **Disconnect the power plug from socket if there are malfunctions with charging station or power cord.** Have the machine checked by a qualified professional and repaired, if necessary, before you operate it again.

- **In case of accident of lawnmower stop and switch it off before taking other actions.**



WARNING! Never use water to extinguish a battery powered machine on fire. Burning battery powered machine must be extinguished with special extinguishing agents! We recommend that you keep a suitable fire extinguisher within reach in your work area!

Residual risks

Even if you are operating this machine in accordance with all the safety requirements, potential risks of injury and damage remain. The following dangers can arise in connection with the structure and design of this machine:

- Danger of injury and property damage caused by flying objects.
- Fire or explosion, if the battery is extremely overheated by continuous intense sunlight.



WARNING! This machine produces an electromagnetic field during operation! This field may under some circumstances interfere with active or passive medical implants! To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their doctor and the medical implant manufacturer before operating this machine!

Symbols

On the machine, the rating label and within these instructions you will find among others the following symbols and abbreviations. Familiarise yourself with them to reduce hazards like personal injuries and damage to property.

W	Watt	dB(A)	Decibel (A-rated)
V	Volt	m ²	Metre squared
==	Direct current	cm	Centimetre
A	Ampere	mm	Millimetre
mAh	Milliampere per hour	kg	Kilogram
/min or min ⁻¹	Per minute		
yyWxx	Manufacturing date code; year of manufacturing (yy) and week of manufacturing (Wxx)		

Description of signal words:

-  **DANGER!** The signal word that indicates a hazard with a high level of risk which, if not avoided, will result in death or serious injury.
-  **WARNING!** The signal word that indicates a hazard with a medium level of risk which, if not avoided, could result in death or serious injury.
-  **CAUTION!** The signal word that indicates a hazard with a low level of risk which, if not avoided, could result in minor or moderate injury.
- NOTE!** Indicates a practical tip, advice or practice not related to personal injury.



Note / Remark.



WARNING – Read user instructions before operating the machine.



WARNING - Keep a safe distance from the machine when operating.



Caution – Do not touch rotating blade.

WARNING – Do not ride on the machine.



Caution – Do not touch rotating blade.

WARNING – Operate the disabling device before working on or lifting the machine.



DANGER – Keep hands away from blade. Wait until all machine components have completely stopped before touching them.



Caution – Do not touch rotating blade.

WARNING – Remove the disabling device before working on or lifting the machine.



Do not throw into water.



Do not throw on to fire.



Do not subject the battery to strong sunlight over long periods and do not leave it in high temperatures.(max. 45 °C).



Do not wash the machine with a high pressure washer.



Wear protective gloves (compliant to EN ISO 21420 Class 0).



Wear protective and slip-resistant footwear (compliant to EN ISO 20345 Class 2).



Guaranteed sound power level value in 68 dB.



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



Li-Ion

Crossed out dust bin. Batteries and battery packs should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or local store for recycling advice. Do not dispose of battery packs in rivers or immerse in water.



The machine complies with the applicable European directives and an evaluation method of conformity for these directives was done.



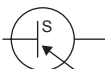
Double insulation.



Pole orientation.



SMPS (switch mode power supply unit) incorporating a short-circuit-proof safety isolating switching power supply.



SMPS (Switch mode power supply unit).

Ta: 45 °C

Rated maximum ambient temperature 45 °C



The switching power supply is for indoor use only.

Rating Label Explanation

MCI1007RBM = Model number

MCI = Mac Allister

1007 = Sequential code

RBM = Robotic mower

TTI1008RBM = Model number

TTI = Titan

1008 = Sequential code

RBM = Robotic mower

EN Technical specifications

Mower

> Rated voltage	: 20 V ===
> No load speed	: 3500 min ⁻¹
> Recommended cutting area	: 300 m ²
> Cutting diameter	: 16 cm
> Cutting height	: 20 to 55 mm
> Weight	: approx. 8.2 kg
> Protection degree	: III
> Ingress protection	: IP24
> Software version	: RM_V6.01_2021(211120)C
> Mode of Operation	: SRD
> Operating frequency range	: 0.1 ~ 148.5 KHz
> Maximum RF output power	: 68.75 dBuA/m

Battery

> Battery type	: Lithium-ion
> Model	: 1920625
> Capacity	: 2000 mAh

Charging station

> Model	: MCI1056CHR / TTI1057CHR
> Rated input	: 24 V ===, 1.5 A
> Rated output	: 24 V ===, 1.5 A
> Protection degree	: III

Switching power supply

> Model	: MCI1052CHR / TTI1053CHR
> Rated input	: 100-240 V~ 50/60 Hz, 42 W
> Rated output	: 24 V === 1.5 A, 36 W
> Protection degree	: II
> Ingress protection	: IP67

Sound level

> Sound pressure level L_{pA}	: 55.8 dB(A)
> Uncertainty K_{pA}	: 3 dB(A)
> Measured sound power level L_{WA}	: 66.8 dB(A)
> Uncertainty K_{WA}	: 3 dB(A)

The sound values have been determined according to noise test code given in EN 50636-2-107. The sound intensity level for the operator may exceed 80 dB(A) and ear protection measures are necessary.

The declared vibration value has been measured in accordance with a standard test method (according to EN 50636-2-107) and may be used for comparing one product with another. The declared vibration value may also be used in a preliminary assessment of exposure.

Unpacking

- Unpack all parts and lay them on a flat, stable surface.
- Remove all packing materials and protective shipping materials.
- Make sure the delivery contents are complete and free of any damage. If you find that parts are missing or show damage do not use the machine and contact your dealer. Using an incomplete or damaged machine represents a hazard to operators and property.
- Ensure that you have all the accessories and tools needed for assembly and operation. This also includes suitable personal protective equipment.



WARNING! The machine and the packaging are not children's toys!

Children must not play with plastic bags, sheets and small parts! There is a danger of choking and suffocation!



NOTE: The packaging box includes 2 paper rulers for easy measurement when laying out the boundary wire. Tear off the paper rulers and keep them for future use during the setup process.

Setting out the perimeter of the mowing area

01 Planning the layout



CAUTION! Avoid mowing over any water-filled holes in the mowing area. Prior to mowing, ensure that the hole is fixed or a physical barrier is placed around it to prevent the machine from reaching the hole.



NOTE: Warning signs shall be placed around the working area of the machine:

"Warning! Automatic lawnmower! Keep away from the machine! Supervise children!"



NOTE: Carefully plan the layout of the mowing area before installing the boundary wire (19) for the machine.



NOTE: To ensure precise navigation, the machine intentionally crosses over the boundary wire (19) by a small margin of around 10 to 20 cm. This behaviour should be taken into consideration when planning the layout of the mowing area (Fig. 1).

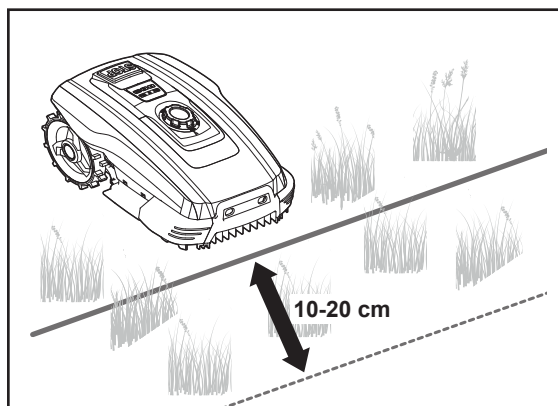


Fig. 1

- Consider the size and shape of the lawn, ensuring that garden ponds, trees, flowerbeds, garden furniture or other obstacles are excluded from the mowing area (Fig. 2).

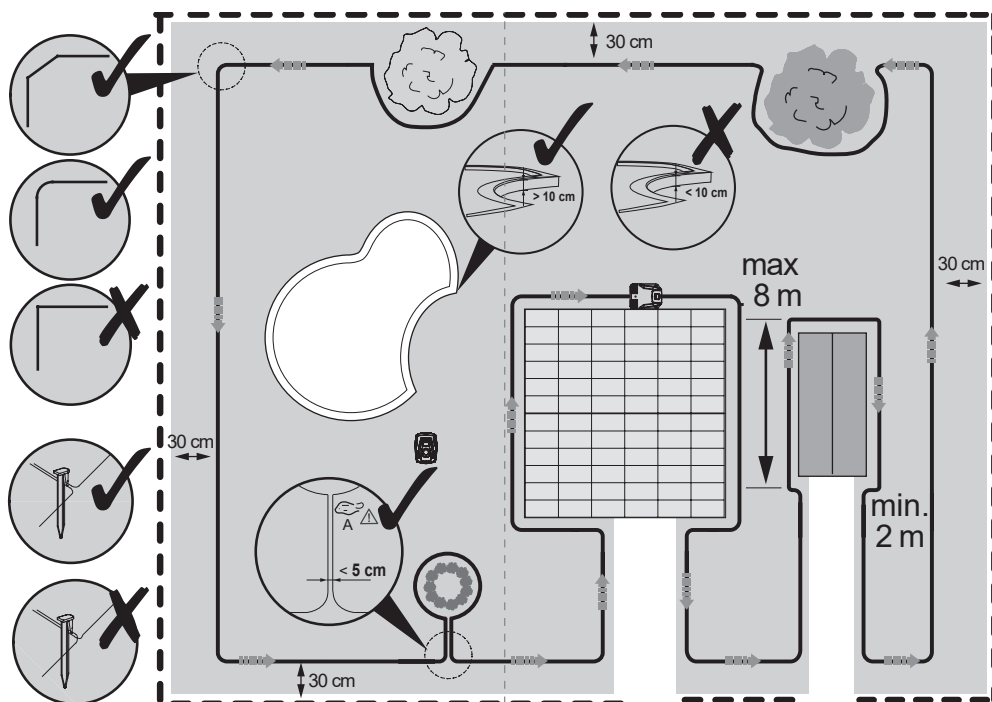


Fig. 2

- To exclude any flowerbeds from the mowing area, use either of the following methods:
1. Maintain a distance of over 10 cm between the parallel wires (Fig. 3). This allows the machine to recognize the boundary wire as a standard obstacle during cutting, causing it to bounce off as usual.

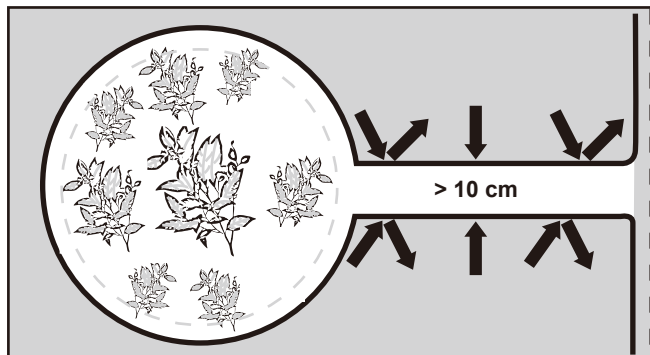


Fig. 3

2. Keep the distance between the two parallel wires below 5 mm without crossing them, and position an obstacle, like a large rock or pole, near position A as indicated in the illustration (Fig. 4). Ensure the obstacle is surrounded by a flat 1 m x 1 m area, without any slopes, to allow the machine to smoothly exit the circular space.

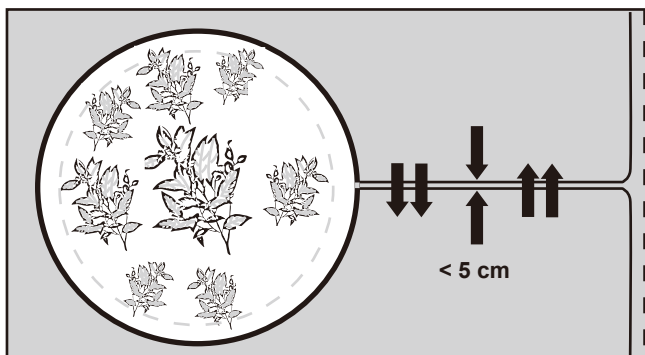


Fig. 4

- Ensure that the ground is level and that any obstacles such as small rocks and stones, any stones with a round or sloped edge, and branches are removed (Fig. 5 and 6).

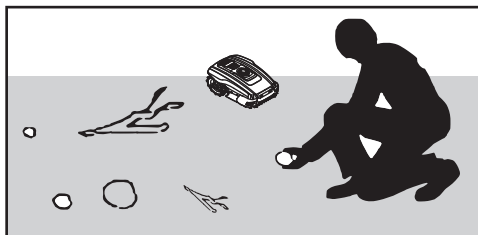


Fig. 5

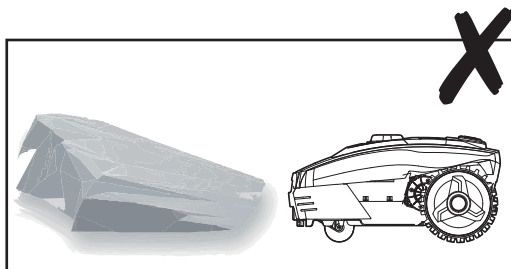


Fig. 6

- Take note of any irregular or curved edges that may require special attention during the layout planning.
- The machine can navigate slopes up to a maximum of 30% incline or decline. Slope should not be steeper than 30% / 16.5° (Fig. 7).

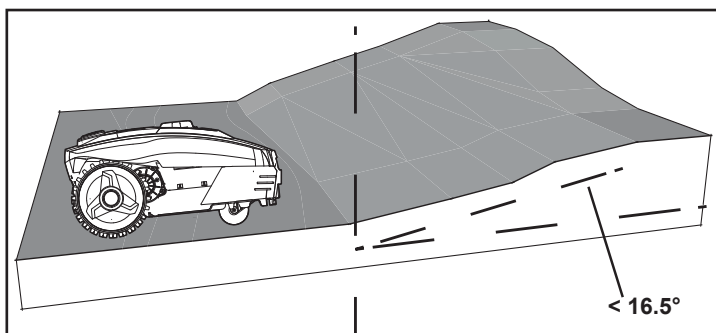


Fig. 7

- The boundary wire (19) should never run perpendicular to a gradient of more than 10°. Allow a corridor of at least 2 metre between a 10° or steeper slope and the boundary wire (19) (Fig. 8).

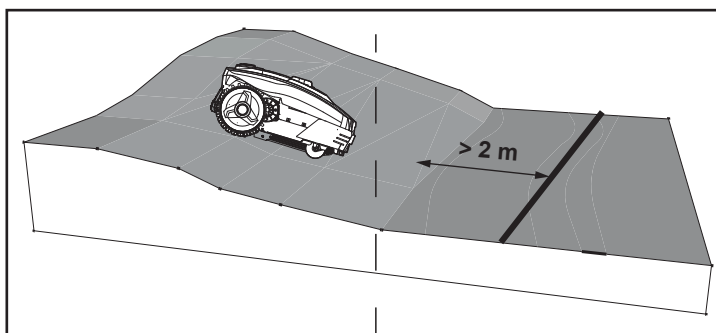


Fig. 8

- Start with simpler paths and gradually expand or modify them once you have gained a deeper understanding of the machine's functions and capabilities.
- To create a passage between two sections of lawn within the boundary, it is recommended that the corridor be a minimum of 2 metres wide and a maximum of 8 metres in length (Fig. 9). If a corridor is too narrow or too long, the machine might not be able to navigate it from one end to the other.

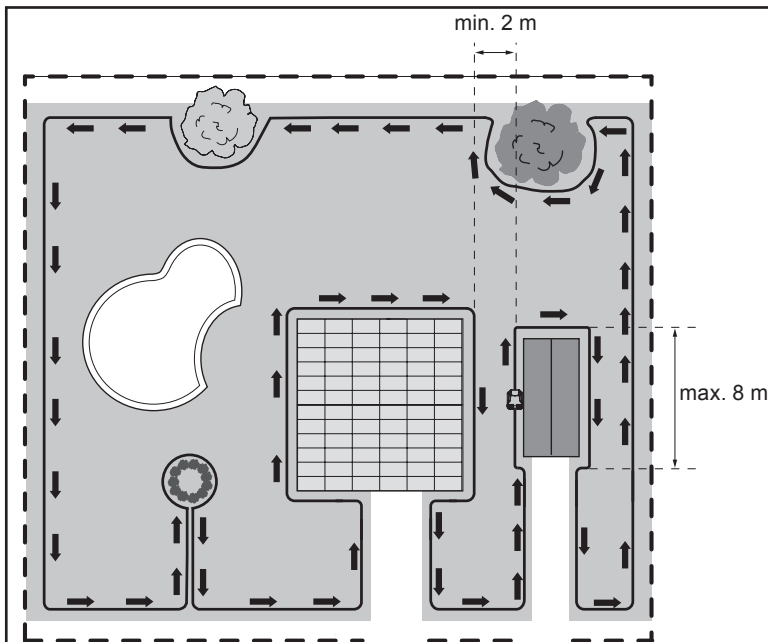


Fig. 9

- Ensure that the layout allows for easy access to the entire mowing area. Avoid creating narrow or inaccessible areas that could hinder the machine's movement (Fig. 10).

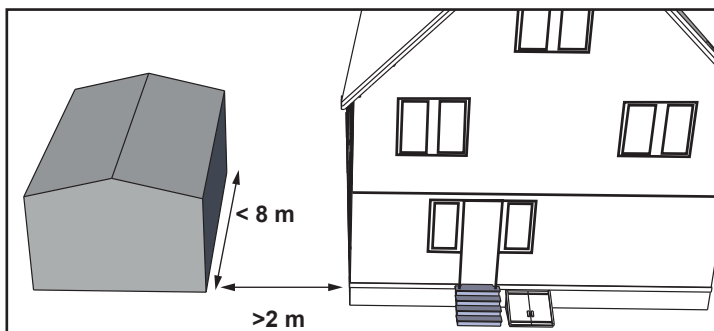


Fig. 10

- Take advantage of existing natural borders, such as walkways, driveways, or hedges, to help define the boundaries of the mowing area. This allows the machine to better identify the boundaries and follow them accurately.

- For lawns with an elevated driveway crossing, it is recommended to keep the driveway outside the boundary wire. Maintain a safety distance of 30 cm between the driveway and the boundary wire (19) (Fig. 11).



Fig. 11

- When the driveway and lawn are at the same level, use the boundary wire (19) to create a corridor to allow the machine safely cross the driveway and access the opposite lawn area (Fig. 12).

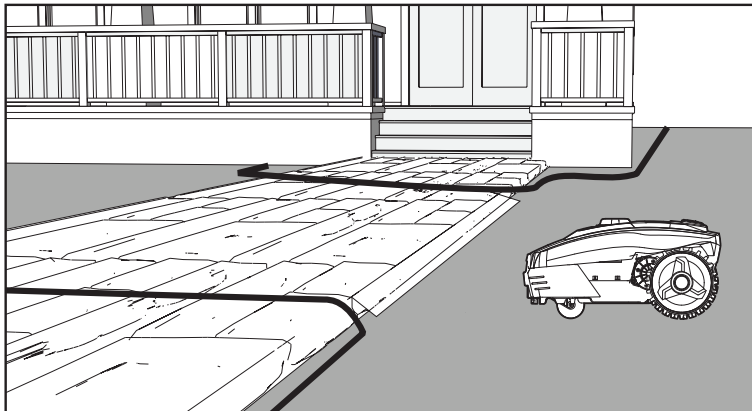


Fig. 12

02 Setting up the charging station



NOTE: Place the charging station (12) only on a stable and level ground. Ensure that the area around the charging station (12) is clear of obstacles and provides enough space for the machine to dock and recharge without obstruction (Fig. 13).

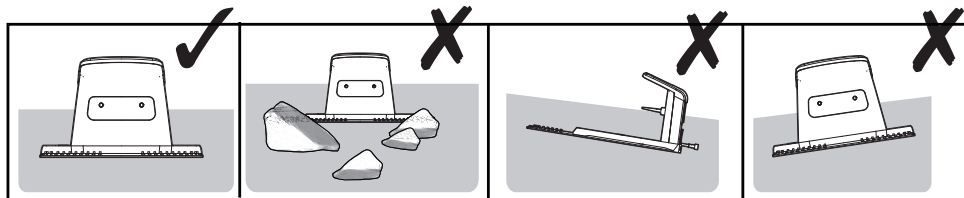


Fig. 13

- Place the charging station (12) in an area that is easily accessible to the power source, with protection from direct sunlight and extreme weather conditions.
- Place the charging station (12) alongside a wall or fence, ensuring it is not obstructing any pathways or entrances. Leaving free space of at least 1 metre on the inner side of the charging station (12) (Fig. 14).

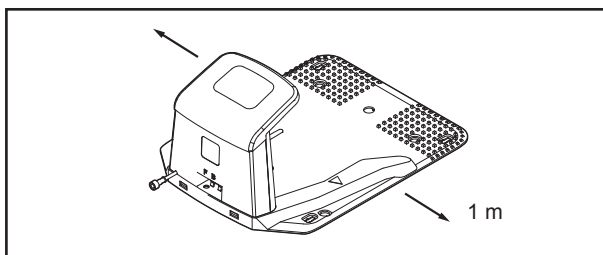


Fig. 14



NOTE: The arrow on the charging station (12) must point towards the mowing area (Fig. 15).

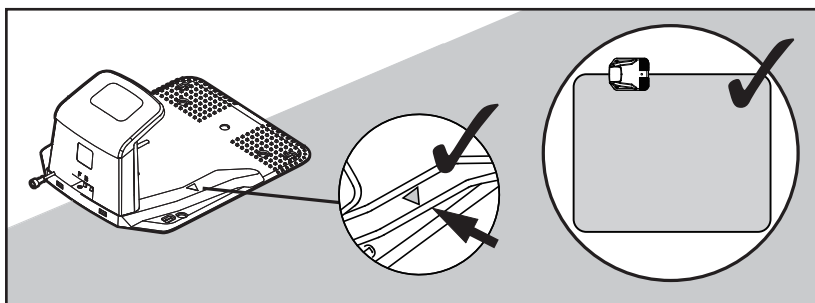


Fig. 15

03 Laying out the boundary wire



CAUTION! Ensure that the boundary wire (19) is placed away from other cables, irrigation systems, or underground utilities to prevent tangling or interference.



CAUTION! Place barriers of minimum 15 cm in height between the boundary wire (19) and certain areas such as water bodies, slopes, precipices, or public roads, preventing the machine from unintentionally crossing the boundary and entering these areas.



NOTE: The machine mows in randomized navigation patterns within the chosen boundary area, ensuring comprehensive coverage.



NOTE: The mowing area is defined by installing the boundary wire (19). Ensure that boundary wire (19) forms one complete loop with its ends fitted into the boundary wire terminals (15/16) at the rear of the charging station (12).



NOTE: The provided boundary wire connectors (24) are intended for repair purposes.

- Unroll the boundary wire (19) and straighten it out, removing any kinks or tangles (Fig. 16).

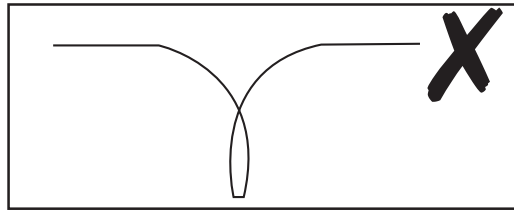


Fig. 16

- Lay the boundary wire (19) along the planned path, following the perimeter of the mowing area.
- Ensure that the boundary wire (19) avoids sharp bends or tight corners. It is generally more suitable to have gradual curves or smooth turns (Fig. 17).

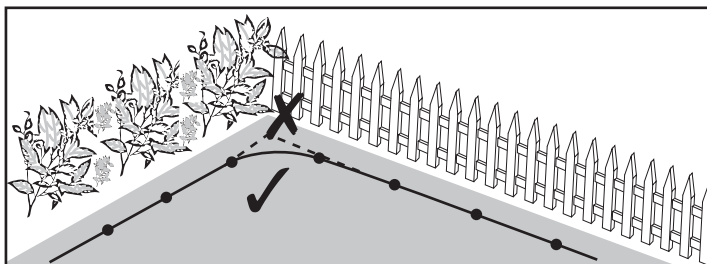


Fig. 17

- Use the pegs (23) to secure the boundary wire (19) to the ground at regular intervals. The closer to the ground you lay out the boundary wire, the lower the chance of tripping over or damaging it when mowing. Burying the boundary wire is optional.



NOTE: The recommended distance between two pegs is about 80 cm in straight lines, and less in tight curves. The pegs' hook and wire slit should always face the outside of the boundary (Fig. 18).

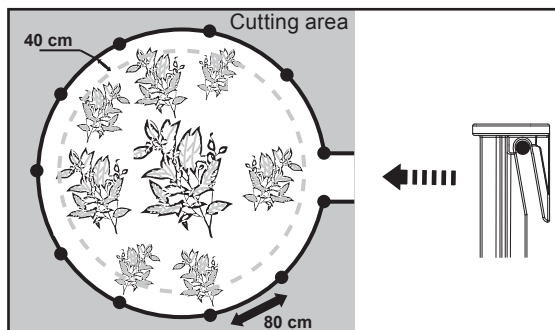


Fig. 18



NOTE: When cutting the boundary wire, it is recommended to leave at least 1 metre of spare wire for adjustment.

- Use a wire stripper to remove 10 to 15 mm insulation from each end of the boundary wire (19). Twist the exposed threads tightly (Fig. 19 and 20).

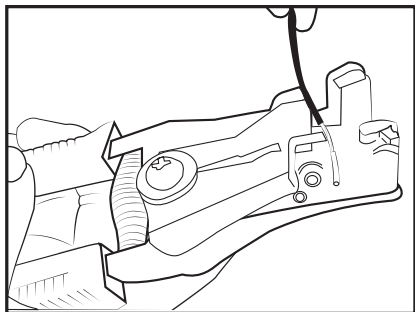


Fig. 19

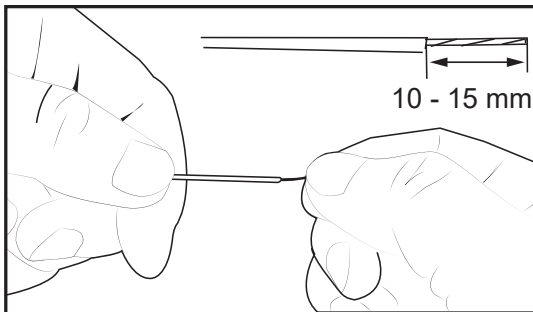


Fig. 20

- Connect the boundary wire (19) properly to the charging station (12):
1. Connect the starting end of the boundary wire (19) to the left (black) boundary wire terminal **F** (front) (16).
 2. Position the boundary wire (19) under the middle of the charging station (12).
 3. Connect the other end to the right (red) boundary wire terminal **B** (back) (15) (Fig. 21).

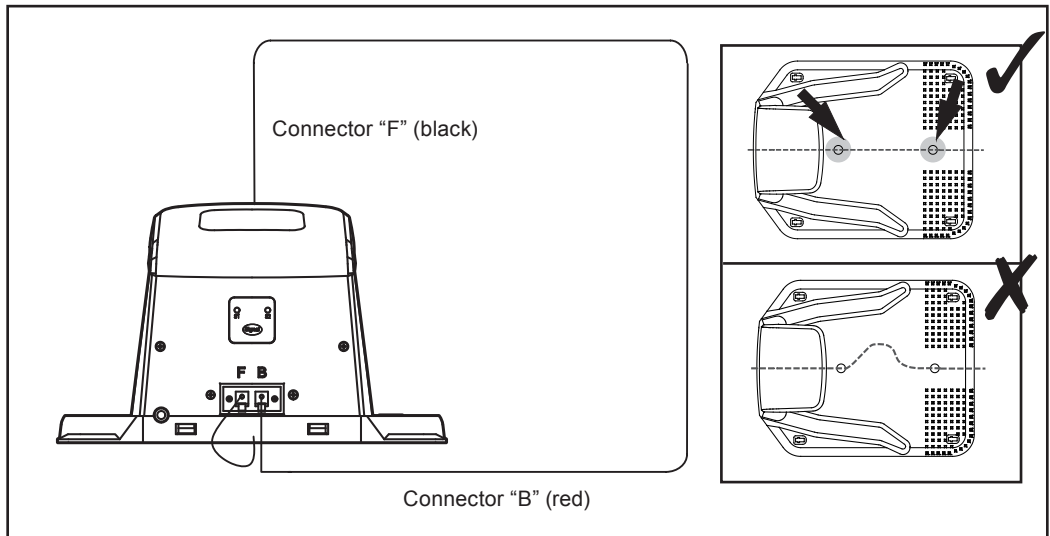


Fig. 21

- To connect the boundary wire (19) to the boundary wire terminals (15/16), push down the red and black levers to expose the terminals and insert the twisted wire ends into them (Fig. 22). Release the levers to clamp the wires securely in place.

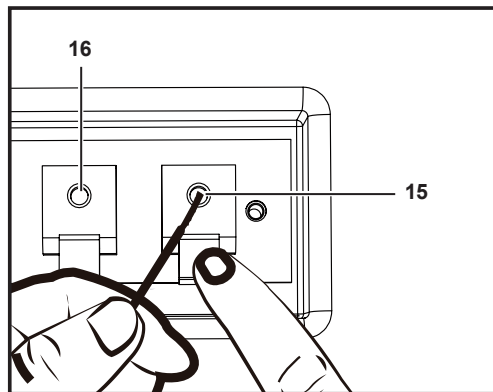


Fig. 22

- Securely fasten the charging station (12) to the ground using the ground stakes (25) and hex key (26) or the pegs (23) (Fig. 23).



NOTE: Select a location that allows for secure anchoring of the ground stakes (25) or pegs (23). Be cautious of hard or rocky soil, as it may pose challenges when inserting the stakes (25) or pegs (23) into the ground. Avoid loose or sandy soil that can shift or sink over time, potentially affecting the stability of the charging station (12).

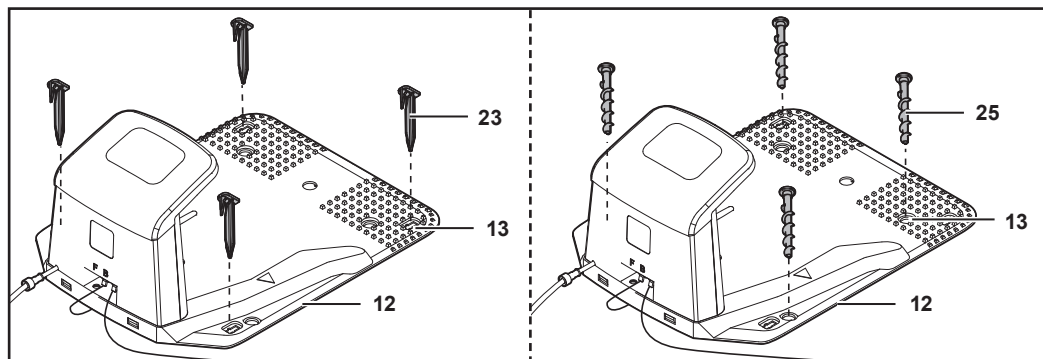


Fig. 23

- Connect one end of the extension cable (21) to the cable connector (14), and the other end to the power supply cable of the switching power supply (20). Push the sleeve towards the connection point and tighten to fix the connection (Fig. 24).

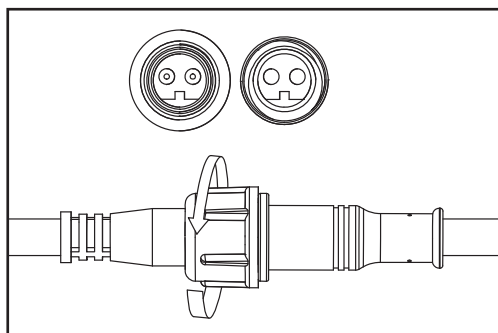


Fig. 24



NOTE: Only use the extension cable with type H03VV-F2 x 05 mm² and length of 9 m.

- Connect the switching power supply (20) to a suitable socket outlet. Once the charging station is powered, one of the signal indicators (18) lights up blue (Fig. 25).

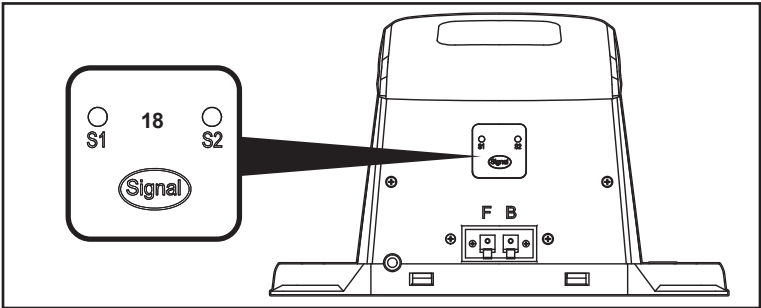


Fig. 25

Signal indicator (18)	Description
Lights up blue or red	Normal
Flashing blue and red	Machine is charging
Flashing blue or red	Poor or broken boundary wire connection



NOTE: After connecting the boundary wire (19) to the wire terminals (15/16) on the charging station (12), conduct a test run of the machine to ensure that it correctly detects the boundary signal. Make any necessary adjustments to the wire or connections if needed to ensure proper functionality.

EN Functions & Settings

Intended use

The 300 m² robotic lawnmower MCI1007RBM/TTI1008RBM is designated with a rated voltage of 20 V.

The machine is intended for mowing grass automatically only in lawns and grassed areas within gardens and open spaces. It is not intended for mowing unusually high, dry, or wet grass, such as pasture grass, or for shredding leaves.

- Do not transport people, children or animals on the machine.
- Do not use the machine to level out uneven patches.
- Do not use the machine on unstable, slippery, icy, stony, rough, marshy ground or over puddles that do not allow the consistency of the ground to be assessed;
- Do not use the blades on surfaces other than grass.

For safety reasons it is essential to read the entire instruction handbook before first operation and to observe all the instructions therein. This machine is intended for private domestic use only, not for any commercial trade use. It must not be used for any purposes other than those described.



WARNING! The machine may be used by an experienced operator* having read and understood the safety requirements provided within this instruction manual using appropriate personal protective equipment (PPE)!

* A trained operator is a person who has the competence and knowledge in the use and hazards associated with using a pressure washer as well as the precautions to be taken to limit these hazards.

Safety devices



DANGER! Risk of injury! The machine must only be put into operation if no faults are found. If any sensor is found to be malfunctioning or if the **STOP** button (1) or main power switch key (6) is defective, do not use the machine and have it repaired or replaced by a qualified professional.



WARNING! Do not make any adjustments to the safety devices.

01 STOP button

The **STOP** button (1) (Fig. 26) serves as an override mechanism in case of emergencies or unexpected situation. When the **STOP** button (1) is pressed, it disables all controls, cuts off power to the motor, and brings all moving parts to complete a stop.



Fig. 26

02 Lift and tilt sensor

The lift and tilt sensor detects when the machine is lifted off the ground or tilted at an angle. When the lift and tilt sensor is triggered, the machine stops operating and beeps continuously.

03 Obstacle detection sensor

The obstacle detection sensors detect obstacles in the machine's path, such as trees, furniture, or other objects. Once an obstacle is detected, the machine either stops and changes direction, or navigates around the obstacle, preventing collisions.

04 Boundary wire sensors

The boundary wire sensors detect the signal emitted by the boundary wire to ensure the machine stays within the defined mowing area. When these sensors are triggered, the machine stops mowing and then turns around to the mowing area.

05 Main power switch key

When storing the machine in a public space or during extended periods of non-use, remove the main power switch key (6) to prevent unauthorized use. The machine without the main power switch key (6) becomes inoperable until the switch is reinserted. To remove the main power switch key (6), turn it anti-clockwise to the  position (Fig. 27).

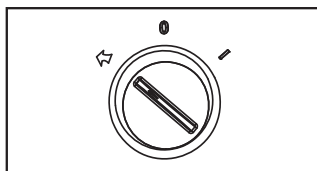
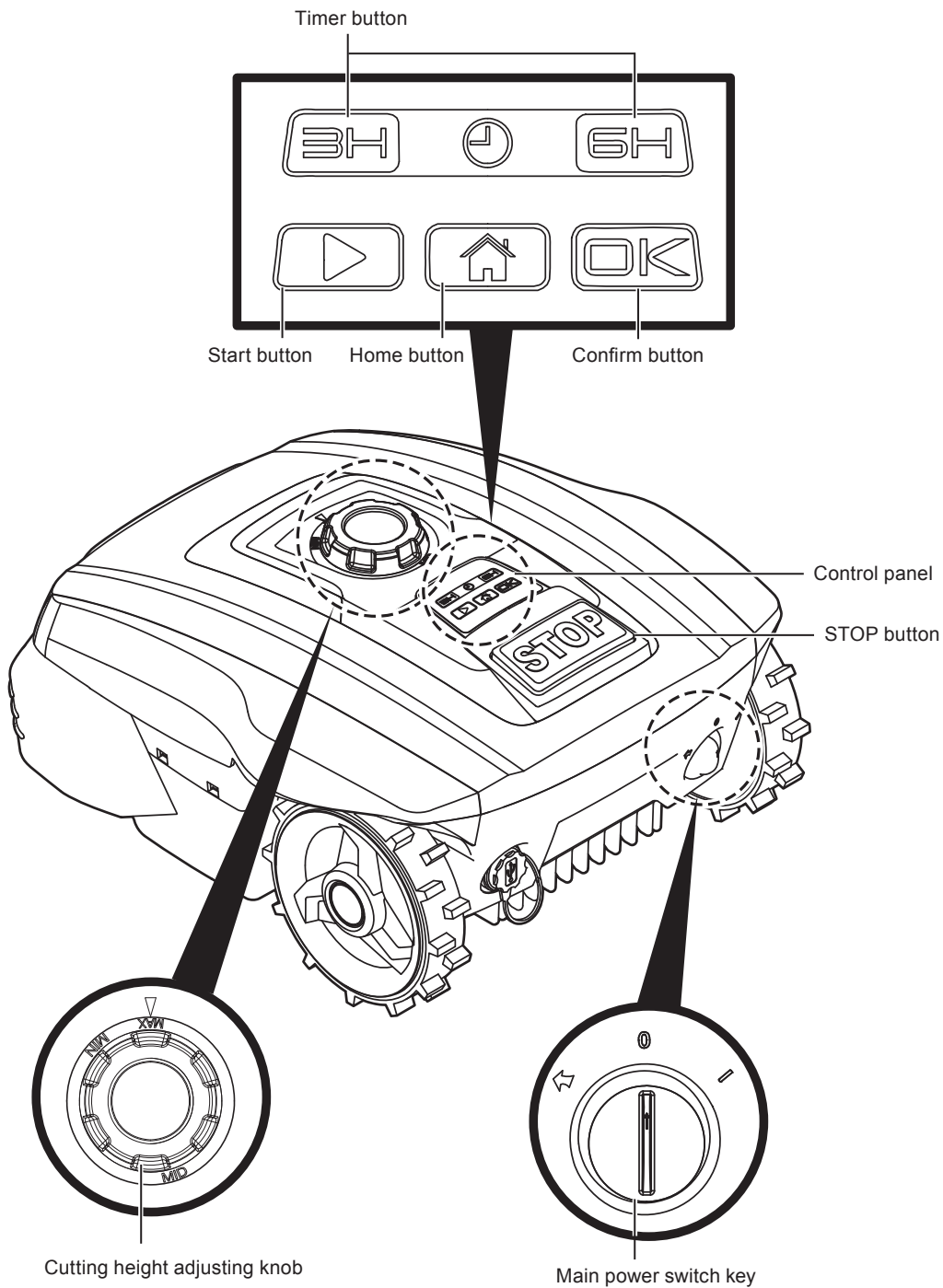


Fig. 27

Operating controls



01 Main power switch key

The main power switch key (6) is located on the rear of the machine.

Positions	Controls
I position	To switch the machine on
O position	To switch the machine off
← position	To remove this main power switch key (6) to prevent unauthorized use



NOTE: Keep the main power switch key (6) in a safe place. The machine without the main power switch key (6) becomes inoperable until it is reinserted.

02 STOP button

To stop the machine at any time during mowing, press the **STOP** button (1). The motor comes to a stop.



WARNING! Always wait for all moving parts to come to a complete stop and switch the machine off using the main power switch key (6) before lifting the machine or accessing the underside of the machine.

03 Control panel

Buttons	Controls
	Press one of the timer buttons to select the daily working hours. The recommended working time settings for various lawn sizes: • <200 m² lawn: 3 hours • 200 to 300 m² lawn: 6 hours
	Start the operation. Once the set working time has elapsed, the machine automatically returns to the charging station (12).
	Manually send the machine back to the charging station (12).
	Press to confirm each of the setting.

04 Cutting height adjustment knob

Turn the cutting height adjustment knob (3) to set the desired cutting height between 20 mm and 55 mm.



NOTE: If the grass is significantly taller than 55 mm, it is recommended to cut it to 45 mm or below using an ordinary lawnmower or trimmer.

Always set the machine to a higher cutting height for the initial mowings and gradually decrease the cutting height with each subsequent mowing until the desired height is reached.

Check before starting

- Ensure that the mowing area is free of unwanted material that could be picked up by the cutting blades (9) and thrown.
- Verify that the boundary wire (19) is properly installed, secured, and free from any damage or breaks.
- Check the status of the indicators on the control panel (2) and fix errors when required.
- Check the machine as well as the accessories for damage before each use. Do not use the machine if it is damaged or shows wear.
- Ensure that the cutting blades (9) are sharp, properly attached, and free from any damage or wear.



WARNING! In some countries regulations define at what time of the day and on what special days the machine is allowed to be used and what restrictions apply!

Ask your community for detailed information and observe the regulations in order to preserve a peaceful neighbourhood and avoid committing administrative offences!

Charging the machine



NOTE: The machine battery must always be charged:

- before using the machine for the first time after purchase;
- before and after storing the machine for a prolonged period of disuse.

The machine automatically approaches the nearest boundary wire and follows it to return to the charging station (12) under the following conditions:

- when you press the  button and then the  button.
- when the setting time ran out
- when the battery level drops below 20%.

During the charging process, the signal indicator (18) flashes continuously. Once the charging is complete, the signal indicator (18) stays on.



NOTE: If the machine fails to dock to the charging station (12), it returns to the mowing area and attempt the docking process again.



NOTE: When the ambient temperature around the charging station (12) exceeds 40 °C, the machine pauses charging to protect the battery. Once the temperature decreases to a safe level, charging resumes automatically.

Mowing



NOTE: Start with a higher cutting height for longer or uneven grass, and gradually lower it for a closer cut as the grass becomes shorter or more even. Adjust the cutting height settings depending on the height and density of the grass, as well as on the grass type and seasonal condition.

- Turn the cutting height adjustment knob (3) to set the desired cutting height.
- Select the desired working time.
- Press the  button and then the  button.
- The machine starts the mowing session.
- Once the set working time has elapsed, the machine automatically returns to the charging station (17) for a complete charge.



NOTE: The machine will automatically resume working at the same time on the following days as long as it is not switched off and the power supply remains uninterrupted.



NOTE: The default signal is S1. Only change the signal when interference occurs between your machine and a nearby machine from your neighbour.

- To change the signal, press the signal switch button (17) on the charging station (12) and then dock the machine properly to the charging station (17) and wait for 5 seconds. The machine changes the signal automatically (Fig. 28).

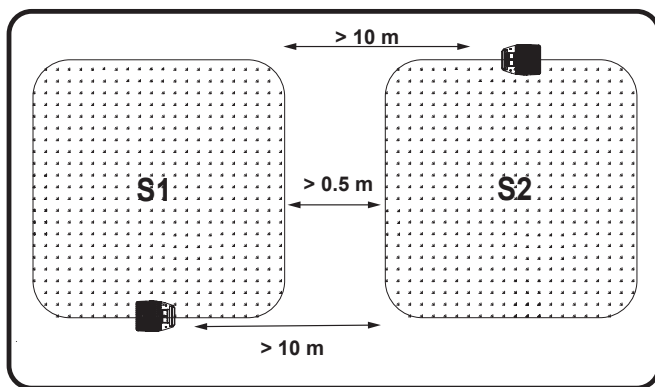


Fig. 28

Mowing tips

- Make sure that the lawn is clear of stones, sticks, wire or other objects that could damage the machine or its motor.
- Ensure the cutting blades (9) are sharp to achieve clean and healthy cuts. Jagged cuts can lead to browning or disease in the grass blades.
- Avoid cutting the grass too short, as it inhibits root system growth and nutrient absorption.
- Never cut off more than one-third of the total length of the grass for a healthy lawn. In the autumn, lawns should only be cut as long as there is growth.
- During the summer or drought periods, raise the cutting height to help the grass withstand stress and maintain a healthy root system.
- Avoid mowing during the hottest part of the day, as it can cause additional stress on the grass.

- Avoid mowing wet grass as it can cling to the underside of the machine, posing a potential slip and fall hazard.

After use

The machine and the charging station (12) are intended for continuous operation to autonomously carry out the programmed mowing sessions. It is required only to switch the machine off when necessary, such as for checking, cleaning or maintenance tasks.

EN Care and maintenance

The golden rules for care



WARNING! Press the **STOP** button (1) and wait for all parts to come to a complete stop, and then switch the machine off and remove the main power switch key (6) before carrying out any checking, cleaning or maintenance tasks.



WARNING! Disconnect the cables from the charging station (12) and unplug the switching power supply (20) from the socket outlet before carrying out any checking, cleaning or maintenance tasks.

- Keep the machine clean. Remove debris after each use and before storage.
- Regular and proper cleaning helps ensure safe operation and prolongs the life of the machine.
- In the initial period of using the machine, inspect the cutting blades (9) once a week. If the wear during this period has been minimal, extend the inspection interval as desired.
- Do not operate it if any parts is found defective or worn. Replace worn parts as necessary or contact an authorised service centre for repair before using the machine again.



WARNING! Only perform repairs and maintenance work according to these instructions! All further works must be performed by a qualified specialist!

General cleaning



NOTE: Do not use chemical, alkaline, abrasive or other aggressive detergents or disinfectants to clean this machine as they might be harmful to its surfaces.



NOTE: Use a fine abrasion paper or a brass brush to gently remove any dirt, grass clippings, or debris that may have accumulated on the contact pins (11) or charging contacts (4).

- Wipe down all surfaces with a soft clean cloth.
- Remove any grass clippings, debris, or buildup from the exterior surface of the machine.

- Wipe the machine dry after cleaning.

Maintenance

Inspect and maintain this machine regularly based on below maintenance table.

Part	Task	Before/after each use	Every month or every 5 hours	Every 3 months or every 50 hours	Every year or every 200 hours
Cutting blades	check	x			
	clean	x			
	replace				x
Blade bolts	check	x			
	clean	x			
	replace				x
Boundary wire	check			x	

01 Cutting blades and blade bolts



WARNING: Wear protective gloves when working on the cutting blades (9).

Replace the cutting blade (9) if it becomes dull, bent or worn. Replace the blade bolt when it shows signs of wear or damage. Use only the original spare parts for replacement.

- Loosen the blade bolts on the cutting blades (9) with a cross-head screwdriver by turning them anti-clockwise (Fig. 29).
- Fit the new cutting blades (9) and tighten the blade bolts clockwise with a torque of 1.3-1.5 Nm.

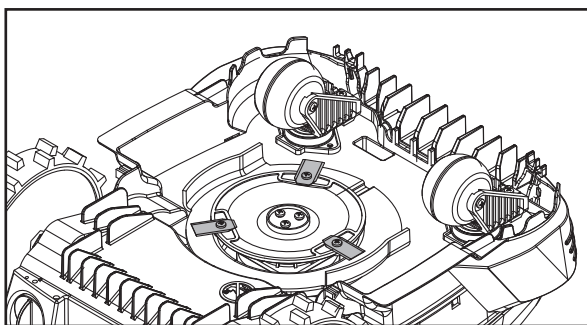


Fig. 29

02 Boundary wire

- Use wire cutters to remove the damaged section of the boundary wire (19), ensuring clean and straight wire ends on both sides of the cut.
- Insert the wire ends into the slots on the boundary wire connector (24).
- Firmly close the blue cap on the boundary wire connector (24) using a pair of pliers.

Replacement parts

The following parts of this machine may be replaced by the consumer. Spare parts are available at an authorised dealer or through our customer service.

Parts	Model no. or specification
Main power switch key	1920080001
Cutting blade	0846210001
Blade bolt	0846222001
Boundary wire	1920738001
Boundary wire connector	0846907001

Repair

This machine does not contain any parts that can be repaired by the consumer. Contact an authorised service centre or a similarly qualified person to have it checked and repaired.

Storage

- Ensure that the machine is switched off using the main power switch key (6) before storage.
- Remove the main power switch key (6) and keep it in a safe place before extended period of storage.
- Charge the battery before storing the machine for a prolonged period.
- Clean the machine as described above.
- Store the machine in a dry, frost-free, well-ventilated place.
- Always store the machine in a place that is inaccessible to children. The ideal storage temperature is between 10 °C and 30 °C.
- Cover the machine with a suitable cover or enclosure to protect it against dust.



NOTE: After storage, clean the charging contacts using fine abrasion paper or a brass brush helps remove any corrosion or debris that may have accumulated during storage.

Transportation

- Ensure that the machine is switched off using the main power switch key (6) before lifting or carrying the machine.
- When carrying the machine, always use the carrying handle (7) and ensure that its underside faces away from your body (Fig. 30).

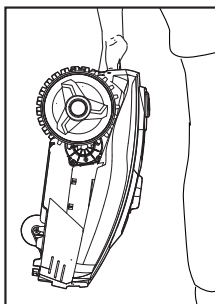


Fig. 30

- Protect the machine from any heavy impact or strong vibrations which may occur during transportation in vehicles.
- Secure the machine against slipping using bungee cords or other similar means when transporting the machine in a vehicle.

Troubleshooting

Suspected malfunctions are often due to causes that the users can fix themselves. Therefore check the machine using this section. In most cases the problem can be solved quickly.



WARNING! Only perform the steps described within these instructions! All further inspection, maintenance and repair work must be performed by an authorised service centre or a similarly qualified specialist if you cannot solve the problem yourself!

Problem	Possible cause	Solution
1. Strong vibration and noise	1.1. Cutting blades or bolts damaged	1.1. Check and replace the cutting blades and bolts
2. Bad cutting result	2.1. Working time is too short 2.2. Mowing area is too large 2.3. Cutting height is too low 2.4. Cutting blades are dull 2.5. Grass clippings or debris trapped on the underside of the machine	2.1. Increase the working time 2.2. Increase the working time or adjust the layout of the boundary wire. 2.3. Set the cutting height to a higher setting and gradually lower the height 2.4. Check and replace the cutting blades 2.5. Clean the underside of the machine
3. Charging time significantly exceeds the rated charging time	3.1. No power to charging station 3.2. Poor contact between contact pins and charging contacts 3.3. Ambient temperature higher than 40 °C	3.1. Check the power connection 3.2. Set the charging station on level ground, and clean the contact pins and charging contacts if needed 3.3. Reposition the charging station or wait until it cools down
4. Machine returns to charging station more frequently for charging	4.1. Battery is exhausted or old 4.2. Cutting blades are dull	4.1. Replace battery by authorised service centre 4.2. Check and replace the cutting blades
5. Machine cannot dock in the charging station	5.1. Bad ground condition around the charging station 5.2. Poor contact between contact pins and charging contacts	5.1. Set the charging station on level ground 5.2. Clean the contact pins and charging contacts
6. Machine does not mow within the chosen boundary area/Machine reverses or rotates erratically near the boundary wire	6.1. Boundary wire of another robotic lawnmower is too close 6.2. Boundary wire has been installed with tight corners 6.3. Electric signal leakage due to broken insulation of boundary wire	6.1. Maintain a minimum distance of 1 metre between your boundary wire and the neighbour's boundary wire 6.2. Check the boundary wire to ensure the corners are smooth 6.3. Repair damaged boundary wire

Problem	Possible cause	Solution
7. Wheels skid or damage lawn	7.1. Lawn is too wet.	7.1. Do not mow when the lawn is wet
8. Machine exits the boundary wire due to high speed when going down a slope	8.1. The boundary wire is placed on a slope steeper than 40% (27°)	8.1. Reposition the boundary wire away from slopes that are steeper than 40% (27°)

Recycling and disposal



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or local store for recycling advice.



Li-Ion

Disposal of an exhausted battery pack

Batteries and battery packs should not be disposed of with household waste. To preserve natural resources, please recycle or dispose of the battery pack properly. Consult your local waste authority for information regarding available recycling and/or disposal options. Discharge your battery pack by operating your tool, then remove the battery pack from the tool and cover the battery pack connections with heavy duty adhesive tape to prevent short circuit and energy discharge.

Do not attempt to open or remove any of the components.



NOTE: Remove the battery when disposing of the machine. Battery and electrical appliances shall be disposed of separately.

EN Guarantee

We take special care to select high quality materials and use manufacturing techniques that allow us to create products incorporating design and durability. This product has a manufacturer's guarantee of 2 years against manufacturing defects, from the date of purchase (if bought in store) or date of delivery (if bought online), at no additional cost for normal (non-professional or commercial) household use.

To make a claim under this guarantee, you must present your proof of purchase (such as a sales receipt, purchase invoice or other evidence admissible under applicable law), please keep your proof of purchase in a safe place. For this guarantee to apply, the product you purchased must be new, it will not apply to second hand or display products. Unless stated otherwise by applicable law, any replacement product issued under this guarantee will only be guaranteed until expiry of the original period guarantee period.

This guarantee covers product failures and malfunctions provided the product was used for the purpose for which it is intended and subject to installation, cleaning, care and maintenance in accordance with the information contained in these terms and conditions, in the user manual and standard practice, provided that standard practice does not conflict with the user manual.

This guarantee does not cover defects and damage caused by normal wear and tear or damage that could be the result of improper use, faulty installation or assembly, neglect, accident, misuse, or modification of the product. Unless stated otherwise by applicable law, this guarantee will not cover, in any case, ancillary costs (shipping, movement, costs of uninstalling and reinstalling, labour etc), or direct and indirect damage.

This guarantee does not cover defects and damage caused by or resulting from:

- Normal wear and tear
- Overload, misuse or neglect
- Repairs attempted by anyone other than an authorised agent
- Cosmetic damage
- Damage caused by foreign objects, substances or accidents
- Accidental damage or modification
- Failure to follow manufacturer's guidelines
- Loss of use of the goods

If the product is defective, we will, within a reasonable time, repair, replace or provide spare parts.

Rights under this guarantee are enforceable in the country in which you purchased this product. Guarantee related queries should be addressed to the store you purchased this product from.

The guarantee is in addition to and does not affect your statutory rights.



(EN) EU DECLARATION OF CONFORMITY
(FR) DÉCLARATION UE DE CONFORMITÉ
(PL) DEKLARACJA ZGODNOŚCI UE
(RO) DECLARAȚIA DE CONFORMITATE UE
(ES) DECLARACIÓN UE DE CONFORMIDAD
(PT) DECLARAÇÃO DE CONFORMIDADE UE

Product/ Produit/ Produkt/Produsul/Producto/Produto		
- Robotic lawnmower/ Robot tondeuse/ Robot koszący/ Robot de tuns iarba/ Robot cortacésped/ Corta-relva robótico - MCI1007RBM/ TTI1008RBM - Serial number range 000001 to 999999		
Name and address of the manufacturer or his authorised representative: Nom et adresse du fabricant ou de son mandataire: Nazwa i adres producenta lub jego upoważnionego przedstawiciela: Denumirea și adresa producătorului sau a reprezentantului său autorizat: Nombre y dirección del fabricante o de su representante autorizado: Nome e endereço do fabricante ou do respetivo mandatário:		
Kingfisher International Products B.V., Rapenburgerstraat 175E, 1011 VM Amsterdam, The Netherlands		
This declaration of conformity is issued under the sole responsibility of the manufacturer: La présente déclaration de conformité est établie sous la seule responsabilité du fabricant: Niniejsza deklaracja zgodności wydana zostaje na wyłączną odpowiedzialność producenta: Declarația de conformitate este emisă pe răspunderea exclusivă a producătorului: La presente declaración de conformidad se expide bajo la exclusiva responsabilidad del fabricante: A presente declaração de conformidade é emitida sob a exclusiva responsabilidade do fabricante:		
Object of the declaration/Objet de la déclaration/Przedmiot deklaracji/Obiectul declarației/Objeto de la declaración/Objeto da declaração		
Product/Produit/Produkt/Produsul/Producto/Produto	Model/Modèle/Model/Modelul/Modelo/Modelo	EAN
Robotic lawnmower/ Robot tondeuse/ Robot koszący/ Robot de tuns iarba/ Robot cortacésped/ Corta-relva robótico	MCI1007RBM	5059340856001 (UK) 5059340855981 (EU)
	TTI1008RBM	5059340855752 (UK) 5059340856063 (EU)
The object of the declaration described above is in conformity with the relevant Union harmonisation legislation: L'objet de la déclaration décrit ci-dessus est conforme à la législation d'harmonisation de l'Union applicable: Wymieniony powyżej przedmiot niniejszej deklaracji jest zgodny z odpowiednimi wymaganiami unijnego prawodawstwa harmonizacyjnego: Obiectul declarației descris mai sus este în conformitate cu legislația relevantă de armonizare a Uniunii: El objeto de la declaración descrita anteriormente es conforme con la legislación de armonización pertinente de la Unión: O objeto da declaração acima descrito está em conformidade com a legislação de harmonização da União aplicável:		
2014/53/EU as amended Radio Equipment Directive 2014/53/EU tel que modifié Directive relative aux équipements radio électriques 2014/53/EU zgodnie z wprowadzonymi poprawkami Dyrektywa urządzeń radiowych 2014/53/EU cum a fost modificată Directiva privind a echipamentelor radio 2014/53/EU según enmendado Directiva relativa a los equipos radioeléctricos 2014/53/EU conforme alterado Directiva relativa à equipamentos de radio 2006/42/EC as amended Machinery Directive 2000/14/EC as amended Outdoor Noise Directive 2011/65/EU as amended Directive Restriction of the use of certain hazardous substances in electrical and electronic equipment Directive 2006/42/CE relative aux machines Directive 2000/14/CE relative aux émissions sonores extérieures Directive 2011/65/UE relative à la limitation de l'utilisation de certaines substances dangereuses dans les équipements électriques et électroniques 2006/42/WE w zmienionej dyrektywie maszynowej 2000/14/WE w zmienionej dyrektywie w sprawie hałasu na zewnątrz 2011/65 / UE ze zmianami Dyrektywa Ograniczenie stosowania niektórych niebezpiecznych substancji w sprzęcie elektrycznym i elektronicznym 2006/42/CE, astfel a fost modificată Directiva privind echipamentele 2000/14/CE, astfel a fost modificată Directiva privind zgomotul în aer liber 2011/65/UE, astfel a fost modificată Directiva privind limitarea utilizării anumitor substanțe periculoase în echipamentele electrice și electronice Directiva sobre maquinaria modificada 2006/42/CE 2000/14/CE modificada Directiva sobre ruido al aire libre 2011/65/UE modificada Directiva Restricción del uso de determinadas sustancias peligrosas en equipos eléctricos y electrónicos 2006/42/CE como diretiva de máquinas alteradas 2000/14/CE como diretiva de ruído exterior alterada		

Measured Sound Power Level

Le niveau de puissance acoustique mesuré

Zmierzony poziom mocy akustycznej

Nível de putere acustică măsurat

Nível de potencia sonora medido

Nível de potência sonora medido

: 66.8 dB(A)

Guaranteed Sound Power Level

Le niveau de puissance acoustique garant

Gwarantowany poziom mocy akustycznej

Nível de putere acustică garantat

Nível de potencia sonora garantizado

Nível de potência sonora garantido

: 68 dB(A)

References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared:

Références des normes harmonisées pertinentes appliquées, y compris la date de celles-ci, ou des autres spécifications techniques, y compris la date de celles-ci, par rapport auxquelles la conformité est déclarée:

Odwolania do odnoszących norm zharmonizowanych, które zastosowano, wraz z datą normy, lub do innych specyfikacji technicznych, wraz z datą specyfikacji, w odniesieniu do których deklarowana jest zgodność:

Trimiteri la standardele armonizate relevante folosite, inclusiv data standardului, sau trimiteri la celelalte specificații tehnice, inclusiv data specificațiilor, în legătură cu care se declară conformitatea:

Referencias a las normas armonizadas pertinentes utilizadas, incluidas las fechas de las normas, o referencias a las otras especificaciones técnicas, incluidas las fechas de las especificaciones, respecto a las cuales se declara la conformidad:

Referências às normas harmonizadas aplicáveis utilizadas, incluindo a data da norma, ou às outras especificações técnicas, incluindo a data da especificação, em relação às quais é declarada a conformidade:

EN 60335-1:2012+A11+A13+A1+A14+A2+A15

EN 50636-2-107:2015+A1+A2+A3

EN 50665:2017

EN 50663:2017

EN 62233:2008

EN IEC 55014-1:2021

EN IEC 55014-2:2021

EN 303 447 V1.3.1:2022

EN 301 489-1 V2.2.3:2019

EN 301 489-3 V2.3.2:2023

EN IEC 61000-3-2:2019/A1:2021

EN 61000-3-3:2013/A1:2019/A2:2021

EN 62311:2008

Signed for and on behalf of/Signé par et au nom de/Podpisano w imieniu/Semnat pentru și în numele/Firmado en nombre de/Assinado por e em nome de:

Kingfisher International Products B.V.,
Rapenburgerstraat 175E,
1011 VM Amsterdam,
The Netherlands



David Awe
Group Quality Director

: [03/01/2024]

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United Kingdom

EU Manufacturer:

Kingfisher International Products B.V.
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1011 VM Amsterdam
The Netherlands

EN www.diy.com

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www.screwfix.ie

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