



Autonomous robot mower

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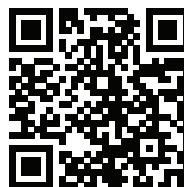




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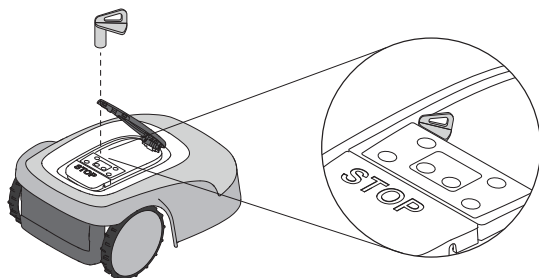
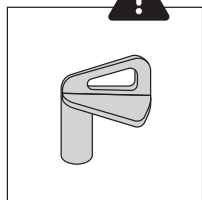


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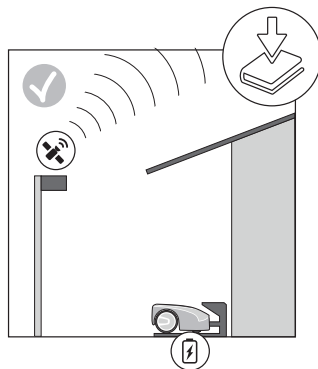
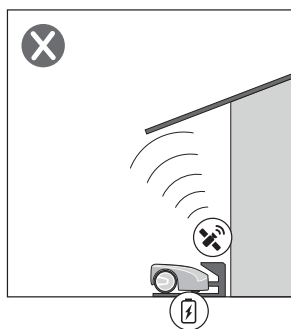
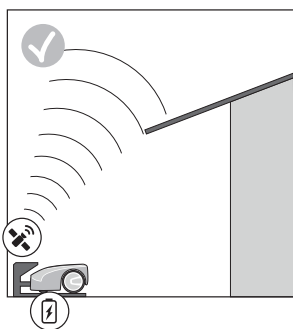
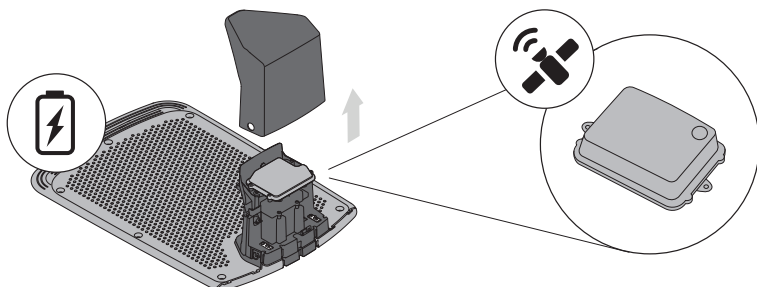


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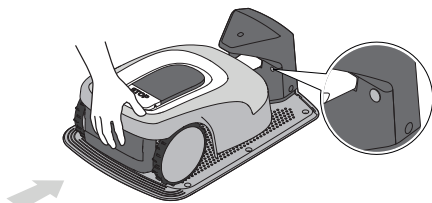
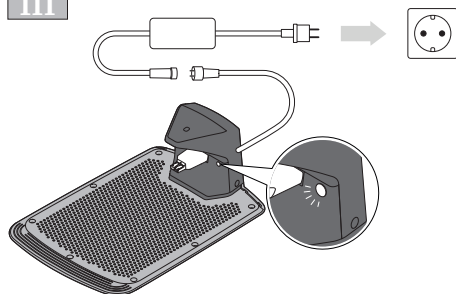
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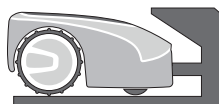
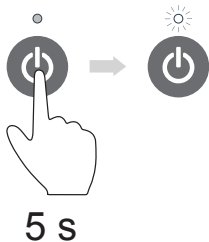
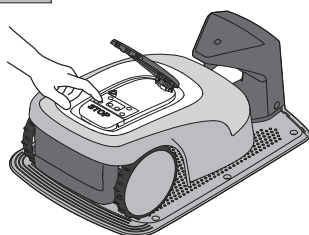
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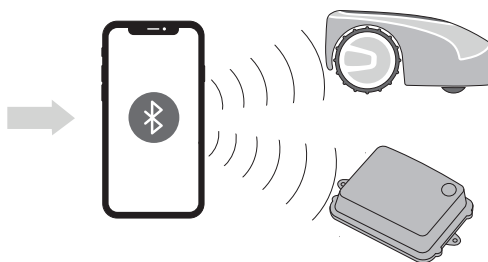
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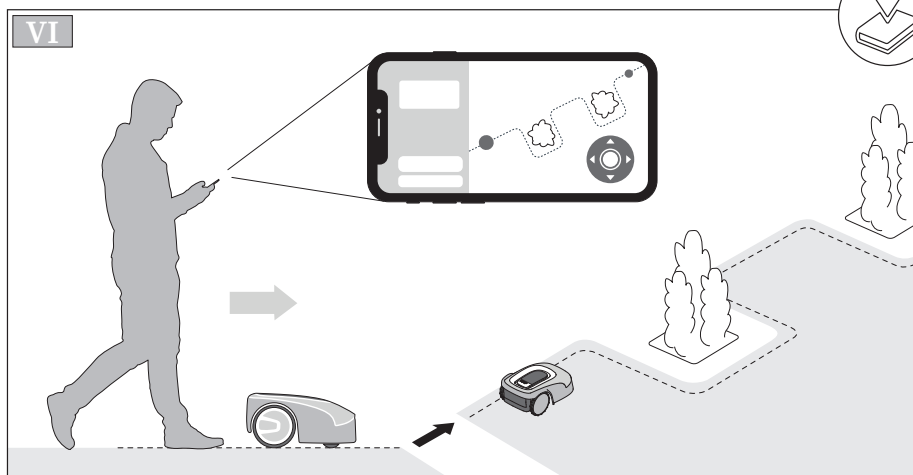
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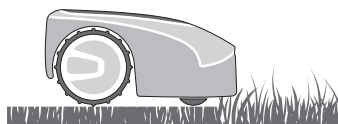
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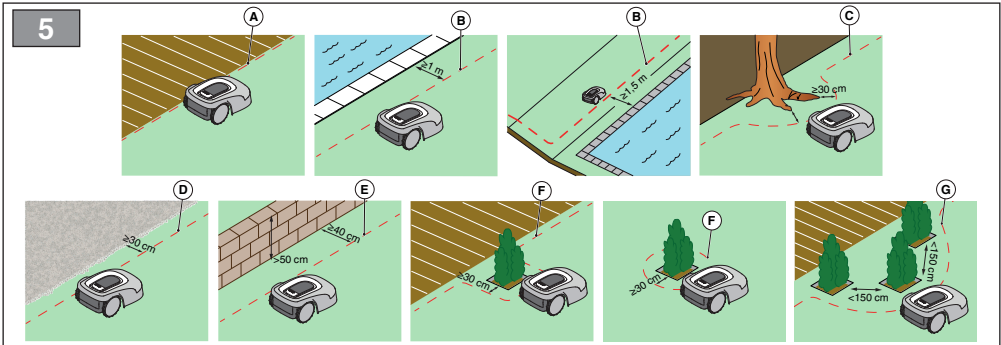
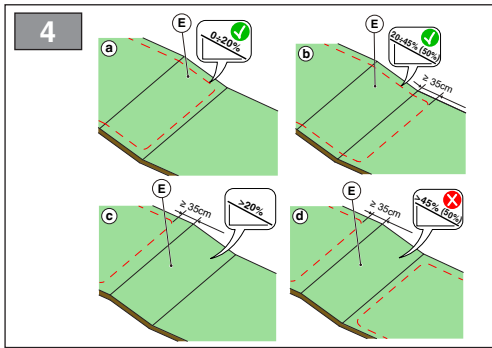
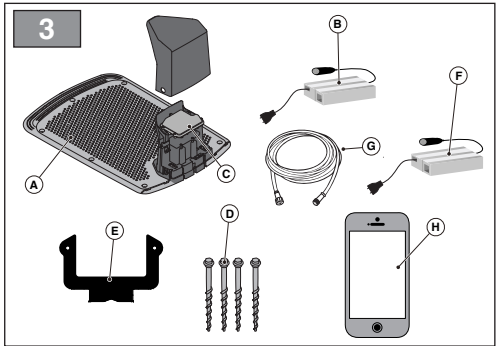
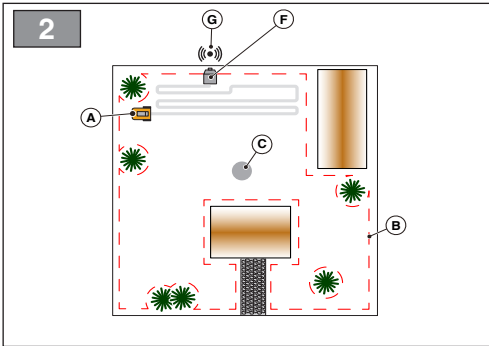
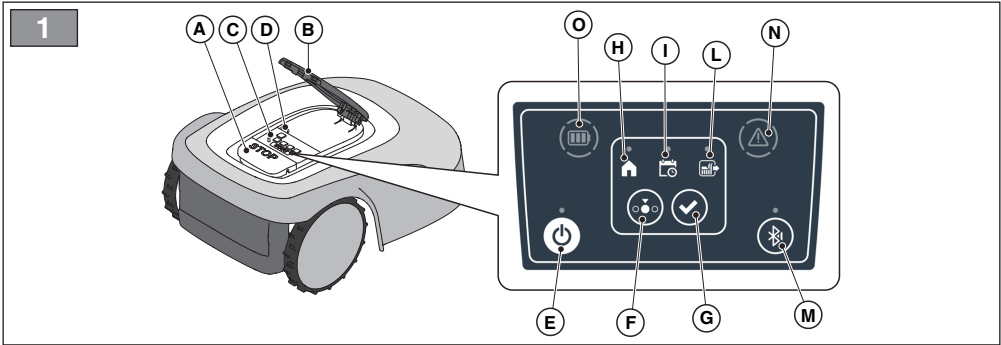


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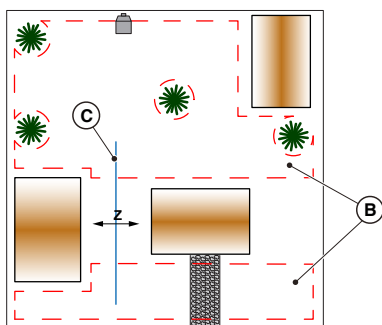
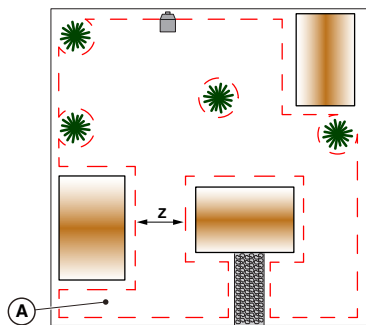


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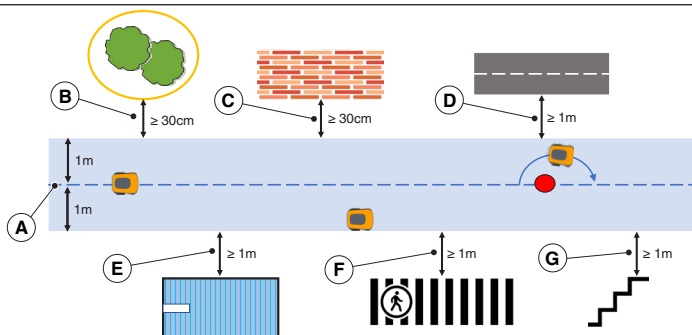




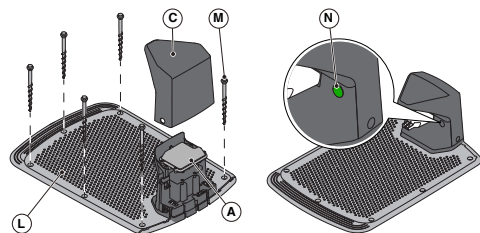
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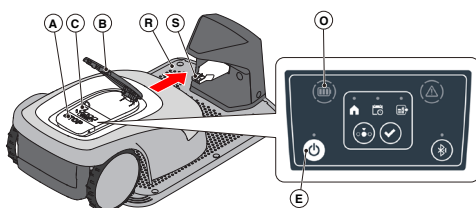
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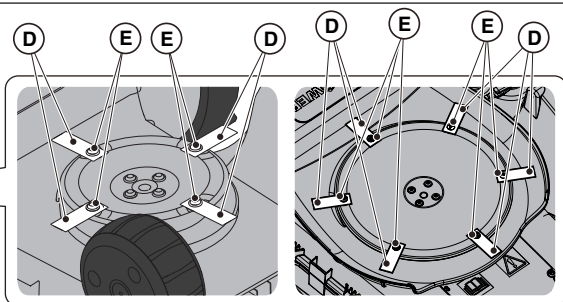
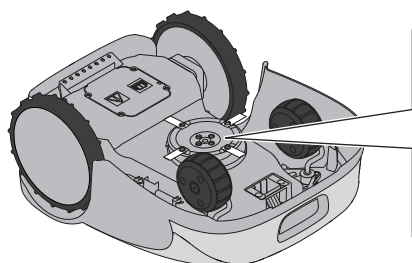
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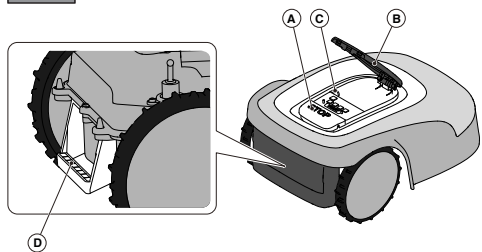
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SRSA01

SRBA01

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ENGLISH - Translation of the original instructions

The complete instruction Manual is available:

- ▷ on the website stiga.com
- ▷ on the STIGA.GO App, available on the App Store and Google Play
- ▷ by scanning the QR code



NOTE: the instructions in this manual apply to all independent robot lawn mower models. All illustrations, unless otherwise indicated, refer to the SRSA01 platform.

NOTE: This manual contains basic instructions, mainly related to safety. For correct installation, the complete instruction manual (see above) must be read and followed carefully.

1. SAFETY

OBLIGATION:

Read carefully before use and store for future reference.

1.1. SAFE OPERATING PROCEDURES

Training

- a. Read the instructions carefully, learn the controls and the correct use of the machine.
- b. Never allow children, persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, or persons unfamiliar with these instructions, to operate the machine. Local regulations may limit the age of the operator.
- c. The operator, or user, is to be held responsible for accidents or hazards involving third parties or third party equipment.

Preparation

- a. Make sure that the automatic system of perimeter delimitation is programmed correctly as indicated.
- b. Periodically check the area where the machine is used and remove stones, sticks, cables and any other foreign objects that may interfere with its operation.
- c. Periodically carry out a visual inspection of the blades, blade bolts and of the cutting unit to check that they are not worn out or damaged. Replace worn out or damaged blades and bolts in pairs to maintain the balance of the machine.

- d. Warning signs must be placed around the working area of the machine if it is used in public areas or areas open to the public. Signs must read as follows: "Warning! Automatic lawn mower! Keep away from the machine! Children must be supervised!"

1.1.1. OPERATION

General information

- a. Do not operate the machine with defective guards or safety devices that are not present, for example without protections.
- b. Do not put hands or feet near or under the rotating parts. Always keep away from the drain opening.
- c. Do not touch any moving parts of the machine until they have come to a complete stop.
- d. Always wear sturdy shoes and long trousers when operating the machine.
- e. Never lift or transport the machine when the motor is running.
- f. Remove the disabling device from the unit:
 - Before removing an obstruction;
 - Before checking, cleaning or working on the machine;
 - If hit by a foreign object, to check for possible damage to the machine;
 - If the machine starts to vibrate abnormally, check for damage before restarting it.
- g. Do not leave the machine in operation unattended in the presence of pets, children or other people nearby.

Maintenance and storage

- a. Tighten all nuts, bolts and screws securely for safe operation of the machine.
- b. Frequently check the robot lawn mower for wear or deterioration.
- c. For safety reasons it is necessary to replace worn out or damaged parts.

- d. Make sure that the blades are replaced only with suitable spare parts.
- e. Make sure the batteries are recharged using the correct charger recommended by the manufacturer. Incorrect use can cause electric shock, overheating or leakage of corrosive liquid from the battery.
- f. In case of electrolyte leaks, wash with water / neutralizing agent and consult a doctor in case of contact with eyes, etc.
- g. Machine maintenance must be carried out in accordance with the manufacturer's instructions.

Residual Risks

- Although the product complies with all safety requirements, additional risks may still exist due to improper installation and/or unforeseeable situations. Therefore, it is necessary to keep the area on which the product operates free of objects, persons and animals, and to inform everyone who may have access even if only occasionally, to the work area, of the possible hazards.
- In the event of thunderstorms with risk of lightning and in anticipation of bad weather conditions in general, it is recommended not to use the product and to disconnect all peripheral devices from the mains. To use the product, reconnect peripherals to the mains following the manual's instructions.

1.2. PRODUCT DESCRIPTION

The robot lawn mower (Fig. 2.A) is designed and built to automatically cut garden grass at any time of day and night. According to the different characteristics of the surface to be cut, the robot lawn mower can be programmed to work on several areas delimited by a virtual perimeter and connected by virtual transition routes.

When operating, the robot lawn mower mows the area delimited by the virtual perimeter (Fig. 2.B). When the robot lawn mower is close to the virtual perimeter (Fig. 2.B) or encounters an obstacle (Fig. 2.C) changes trajectory according to the selected navigation strategy:

The robot lawn mower mows the delimited lawn automatically and completely.

The product operates via satellite signals and requires the installation of a charging base (Fig. 2.F, 2.G) and an integrated satellite reference station (Fig. 2.C), that can be installed separately. The robot lawn mower and the satellite reference station communicate with each other via 3G/4G modules fitted with SIM cards. The robot lawn mower operating technology

is based on the communication of data between the STIGA Cloud and the robot itself. The subscription fee is mandatory in order to operate the robot lawn mower and is based on the amount of data required. A smartphone is also required for the product to be used.

Any other usage may be hazardous and harm persons and/or damage things. Improper use includes (for example, but not limited to): transporting people, children or animals on the machine; being transported by the machine; using the machine to pull or push loads; using the machine for cutting non-grass vegetation.

NOTE: The subscription fee is mandatory in order to operate the robot lawn mower and is based on the amount of data required.

1.3. SYMBOLS AND NAMEPLATES



WARNING:
Read the user instructions before starting the product.



WARNING:
Danger of projections of objects against the body.
Keep an adequate safe distance from the machine while it is running.



WARNING:
Do not put hands and feet near or under the opening of the cutting means.
Remove the disabling device before operating on the machine or before lifting it.



WARNING:
Do not put hands and feet near or under the opening of the cutting means.
Do not stand on the machine.



BAN:
Make sure that there are no people (especially children, elderly or disabled) and pets in the working area during the operation of the machine.
Keep children, pets and other people at a safe distance when the machine is functioning.



BAN:
Do not use high pressure cleaners on the machine to clean or wash it.



Appliance with insulation class III, powered by battery (Robot Lawn mower) or special power supply unit (Charging Base and Reference Station).



Use the original power supply with the specifications on the rating plate.



DC power supply symbol.

IPXX Protection rating against the ingress of solids and water.



Electrical and Electronic Equipment Waste, to be taken to designated facilities for recycling and disposal.



Guaranteed sound power level

1.4. STOPPING AND TURNING OFF THE ROBOT LAWN MOWER IN SAFE CONDITIONS



OBLIGATION:

Always switch off the robot lawn mower in safe conditions before any cleaning, transport or maintenance operation.

1. Press the "STOP" button (Fig. 1.A) to stop the robot lawn mower safely and open the protective cover (Fig. 1.B).
2. Press the off button (Fig. 1.E) for a few seconds and wait for the LED on the same button to go out.
3. Only after the LED has gone out (Fig. 1.E), remove the safety key (Fig. 1.D) to switch off the robot lawn mower in safe conditions.
4. Close the protective cover (Fig. 1.B).
5. The robot lawn mower is stopped or switched off in a safe condition.

2. INSTALLATION



WARNING:

Do not modify, tamper with, elude or eliminate the safety devices installed.

NOTE: For further clarification on the installation of the product please contact a STIGA dealer.

INSTALLATION COMPONENTS (Fig. 3)

(A) Charging base, (B) Charging base Power Supply Unit, (C) Satellite reference station, (D) Charging base fixing screws (E) Separate Satellite Reference Station Installation Bracket, (F) Separate Satellite Reference Station Installation Power Supply (optional), (G) 5 m or 15 m extension cords, (H) Mobile device (not included).

2.1. VERIFICATION OF THE INSTALLATION REQUIREMENTS

2.1.1. GARDEN ASSESSMENT:

- Assess your garden for virtual perimeters, obstacles, and areas to be excluded.
- Level the ground to prevent puddles from forming after a rainfall.

2.1.2. CHECKS FOR THE INSTALLATION OF THE CHARGING BASE, THE POWER SUPPLY UNIT AND THE SATELLITE REFERENCE STATION:



ELECTRICAL HAZARD:

It is absolutely necessary to provide an electrical outlet that complies with the relevant laws of the country.



ELECTRICAL HAZARD:

The circuit provided must be protected by a residual current device (RCD) with an activation current not exceeding 30 mA.



ELECTRICAL HAZARD:

Do not connect the power supply to an electrical outlet if the plug or the cable is damaged.

Do not connect or touch a damaged cable before it is disconnected from the power supply.

A damaged cable can lead to contact with live parts.

1. Provide a flat surface at the edge of the lawn to position the charging base. The charging base must be installed in a location that can be reached by the satellite signal, preferably in an area of the garden where the sky is fully visible.
2. In the area in front of the charging base there must be a stretch of land at least 2 m wide and at least 3 m long without obstacles.
3. If the sky is not completely visible from the charging base installation point, the satellite reference station must be installed in another area

NOTE: The sky is considered fully visible when clear at an angle of at least 120 degrees in all directions.



WARNING:

The power cable, power supply unit, extension cord and all other electric cables which do not belong to the product must remain outside the cutting area to maintain their distance from hazardous moving parts and prevent damage to cables which may come into contact with live parts.

4. Set up the installation area of the power supply unit in such a way as to prevent it from being submerged by water under all weather conditions. Preferably install in a closed room and protected from weather conditions, in a location not easily accessible by unauthorised persons.

2.1.3. CHECKS TO DEFINE THE VIRTUAL PERIMETERS:

1. Check that the maximum slope of the work area is less than or equal to 45% or 50% depending on the model (see Par. 7 TECHNICAL DATA). When defining the virtual perimeters, observe the rules shown in Fig. 4.



WARNING:

The robot can mow surfaces with a maximum slope of 45% or 50% depending on the model. In case of non-compliance with the instructions, the robot may slip and exit the work area

**WARNING:**

Areas with slopes higher than allowable slopes cannot be mowed. Position the virtual perimeter before the slope, excluding that area of lawn from the mowing.

2. Check the entire work surface: assess the obstacles and areas to be excluded from the work area which must be programmed as areas to be avoided.

2.2. CRITERIA FOR DELIMITING WORK AREAS AND TRANSITION ROUTES

1. If there is a pavement or path at the same level as the lawn, the virtual perimeter can coincide with the edge of the pavement (Fig. 5.A).
2. In the presence of a swimming pool, pond or excavated areas, the virtual perimeter must be programmed at a distance of at least 1 meter. If the pool, pond or excavated area are positioned at the end of a slope, the virtual perimeter must be programmed at a distance of at least 1.5 meters (Fig. 5.B).
3. In the case of trees with protruding roots, the virtual perimeter must be programmed to prevent the robot lawn mower from passing over such uneven surfaces (Fig. 5.C).
4. The virtual perimeter must be programmed so that the robot lawn mower is kept at a distance of at least 30 cm from areas with gravel or small stones (Fig. 5.D).
5. In the case of sloping areas, follow the instructions provided in Par. 2.1.3.
6. In the case of continuous structural elements (walls, fences, hedges, etc.) higher than 50 cm, the virtual boundary must be programmed at a minimum distance of 40 cm from them (Fig. 5.E).
7. In all other cases, the virtual boundary must allow a minimum distance of 30 cm between the robot lawn mower and the obstacle (Fig. 5.F).
8. In the case of delimitation of obstacles less than 150 cm apart, delimit them as a single obstacle respecting the distances indicated above (Fig. 5.G).

**CAUTION:**

The operating area and more generally the area in which the robot lawn mower can travel must be cordoned off by fencing.

2.2.1. NARROW PASSAGES

1. In the case of narrow passages, the distance between two different virtual perimeters must be $Z \geq 2$ m (Fig. 6.A).
2. In the case of a passage where the distance between the virtual boundaries would be < 2 m, the part of the area beyond the bottleneck (Fig. 6.A) may not be reached by the robot lawn mower automatically. In this case, two separate virtual cutting zones must be programmed (Fig. 6.B) and connected with a virtual transition route (Fig. 6.C). Refer to the Comprehensive Manual.

2.2.2. TRANSITION ROUTES

Areas of the garden that include areas which are not to be mowed must be connected by transition routes. Transition routes must respect the maximum slope limit of 20%.

1. Assess the possible routes and choose the easiest transition route that allows the robot to maintain the furthest distance from any obstacles and that does not cross areas usually used for parking or the transit of vehicles or pedestrians.
2. The transition route includes a manoeuvring zone extending 1 m to the right and 1 m to the left of the programmed route (Fig. 7.A). The following minimum distances between the manoeuvring area and the various garden elements must be observed: 30 cm from obstacles delimited by virtual perimeters or no-cut zones (Fig. 7.B), 30 cm from fixed obstacles without confines or continuous structural elements (Fig. 7.C), 1 m from public roads (Fig. 7.D), 1 m from pools (Fig. 7.E), 1 m from footpaths (Fig. 7.F), 1 m from cliffs or steep slopes (Fig. 7.G).
3. In the case of narrow passages where the above distances cannot be met, the passage must be cordoned off by fencing, if not already present.

NOTE: Transition paths programmed within narrow passages may have inadequate satellite signal reception, affecting the robot lawn mower's operating accuracy.

2.3. COMPONENTS INSTALLATION

**ELECTRICAL HAZARD:**

Only use the battery charger and power supply provided by the manufacturer. Improper use may cause electric shock and/or overheating.

**CAUTION:**

Danger of cutting hands.

Use protective gloves to avoid cutting your hands.

**CAUTION:**

Danger of dust in the eyes.

Use safety glasses to avoid the danger of dust in the eyes.

**ELECTRICAL HAZARD:**

Connect the power supply only at the end of all the installation operations. If necessary during the installation, turn off the general power supply.

2.3.1. CHARGING BASE INSTALLATION

The charging base can be installed inside the work area or in an area connected to it by a transition route.

1. Check the installation requirements as indicated in Par. 2.1.2.
2. If necessary, prepare the ground so that the surface of the charging base (Fig. 8.L) is at the same level as the lawn, the ground must be perfectly flat and compact in order to avoid deformation of the surface of the charging base.

3. Fix the charging base (Fig. 8.L) to the ground with the fixing screws (Fig. 8.M).
4. Check that the satellite reference station connector (Fig. 8.A) is connected to the charging base.
5. Connect the power supply unit to the charging base and screw in the connector.
6. Connect the power supply plug to the electrical outlet.
7. Make sure that when the robot lawn mower is not in the charging base, the warning light on the charging base (Fig. 8.N) is lit (see Par. 3.3).

2.3.2. INSTALLING THE SATELLITE REFERENCE STATION

The satellite reference station (Fig. 8.A) requires full visibility of the sky. It is supplied with the charging base and is installed under the protective cover (Fig. 8.C).

If the charging base (Fig. 8.L) is not placed in an area where the sky is completely visible, it is necessary to remove the satellite reference station (Fig. 8.A) from the charging base and install it in an area where there is full visibility of the sky. The sky is considered fully visible when clear at an angle of at least 120 degrees in all directions.

Refer to the Comprehensive Manual, for instructions on the separate installation of the satellite reference station.



CAUTION:

For safety reasons, the satellite reference station must never be moved after the programming of the virtual perimeters, transition routes and areas to be avoided. The robot lawn mower could exit the programmed work area. If the reference station is moved, the programming must be repeated.

2.3.3. CHARGING THE ROBOT LAWN MOWER AFTER INSTALLATION

Recharge the batteries for at least 2 hours before using the product for the first time.

2.4. PROGRAMMING VIRTUAL PERIMETERS, TRANSITION ROUTES AND AREAS TO BE AVOIDED

The programming of the virtual perimeters, transition routes and areas to be avoided is performed using the respective "STIGA.GO APP" wizards. The procedure requires you to guide the robot lawn mower manually by walking alongside it according to the general instructions provided in Par. 2.2.



CAUTION:

The operating area or transition routes used by the machine must be set so as not to include public spaces, areas usually used for parking, transit of vehicles or pedestrian routes to avoid damage to persons, property or vehicle accidents.



CAUTION:

For your own safety and to prevent damage to persons, animals or things, the operator must already be acquainted with the area in which the robot lawn mower is manually guided. When guiding the robot, walk carefully to avoid tripping.



CAUTION:

The operating area and more generally the area in which the robot lawn mower can travel must be cordoned off by fencing. Make the fence suitable or supervise the robot lawn mower during its operation.

3. OPERATION

3.1. MANUAL FUNCTIONING OF THE ROBOT LAWN MOWER

The robot lawn mower can also be used without using the work schedule programme. In this mode the robot lawn mower carries out a work cycle, returns to the charging base and remains there until the next manual start.

In order to use the machine in this mode, it is still however necessary to programme the virtual perimeters, transition routes and areas to be avoided. (See Par. 2.4)

1. Place the robot lawn mower on the charging base or within the perimeter of the installation.
2. Press the "STOP" button (Fig. 1.A) to open the cover (Fig. 1.B) and access the control panel (Fig. 1.C).
3. Press the "ON/OFF" button (Fig. 1.E) for 5 seconds to switch on the robot lawn mower.
4. Press the "SELECT MODE" push button (Fig. 1.F) until only the "SINGLE WORK CYCLE" is flashing (Fig. 1.L).
5. Press the "CONFIRM" push button (Fig. 1.G). The icon (Fig. 1.L) is lit with a fixed light to confirm the operation.
6. Close the cover (Fig. 1.B). The robot lawn mower will start operating.

NOTE: this mode may not guarantee adequate coverage of the garden, both in terms of time required and in terms of uniformity of the cutting result, especially if the garden has an irregular shape. To achieve the maximum efficiency of the robot lawn mower, it is recommended to programme the work schedule.

3.2. DESCRIPTION OF THE CONTROLS ON THE ROBOT LAWN MOWER

List of controls, indicators and their function:

- Press the "STOP" push button (Fig. 1.A): it is used to stop the robot lawn mower safely.
- "SAFETY KEY" (Fig. 1.D): it is used to stop the robot lawn mower safely.
- "ON/OFF" button (Fig. 1.E) is used to turn the robot lawn mower on and off and to reset the alarms.
- "SELECT MODE" push button (Fig. 1.F): it is used to select the operating mode of the robot lawn mower and to force it to return to the charging base.
- "CONFIRM" push button (Fig. 1.G): it is used to confirm the set operating mode.
- "SCHEDULED PROGRAMME" luminous icon (Fig. 1.I): it is used to display the scheduled programme settings.
- "SINGLEWORK CYCLE" luminous icon (Fig. 1.L): it is used to display the settings of the single work cycle.
- "RETURN TO BASE" luminous icon (Fig. 1.H): it is used to display the settings of the forced return of the robot lawn mower to the charging base.
- "BLUETOOTH" button (Fig. 1.M) is only used by the service centre for diagnostic purposes.

- "ALARM" luminous icon (Fig. 1.N): it is used to display alarm statuses.
- "BATTERY" luminous icon (Fig. 1.O): it is used to display the battery charging level.

NOTE: For a more detailed description of the commands listed above, please refer to the Comprehensive Manual.

3.3. CHARGING BASE OPERATION

The charging base is equipped with a warning light (Fig. 8.N) which lights up as shown below:

- Warning light off: the charging base is powered off or the robot is on the base.
- Fixed warning light: the robot lawn mower is not connected to the charging base and the antenna signal is correctly transmitted.
- Flashing light: the charging base is not set up correctly, or a charging base fault has been detected. Refer to the Comprehensive Manual.

3.4. BATTERY CHARGING

The "BATTERY CHARGING" procedure allows to recharge the robot lawn mower manually.

1. Position the robot lawn mower on the charging base (Fig. 9.R).
2. Slide the robot lawn mower onto the charging base, until the charging connector is engaged (Fig. 9.S).
3. Press the "STOP" button (Fig. 9.A) to open the cover (Fig. 9.B) and access the control panel (Fig. 9.C).
4. Turn the robot lawn mower on with the "ON/OFF" button (Fig. 9.E).
5. The "BATTERY" luminous icon (Fig. 9.O) flashes blue, the robot lawn mower is charging.
6. Close the cover (Fig. 9.B).
7. Leave the robot lawn mower to charge for at least the time shown in Par. 2.3.3.

NOTE: Charging the battery before winter storage should be carried out as shown in Par. 4.3.

3.5. CUTTING HEIGHT ADJUSTMENT

Follow APP wizard to adjust the cutting height.



CAUTION:
Do not touch the cutting means when adjusting the cutting height.

NOTE: The length of the grass cut by the robot lawn mower must not exceed 10 mm.

4.

MAINTENANCE



CAUTION:
Only use original spare parts.



CAUTION:
Do not modify, tamper with, elude or eliminate the safety devices installed.



CAUTION:
Danger of cutting hands.
Use protective gloves to avoid cutting your hands.



CAUTION:
Danger of dust in the eyes.
Use safety glasses to avoid the danger of dust in the eyes.



WARNING:
Too much water can filter in and damage electrical parts.



BAN:
Do not use pressurized water jets.



BAN:
To avoid irreversible damage to the electrical and electronic components, do not immerse the robot lawn mower, partially or completely, in water.



BAN:
Do not wash the internal parts of the robot lawn mower to avoid damaging the electrical and electronic components.



BAN:
Do not use solvents or petrol so as not to damage varnished surfaces and plastic parts.

4.1. SCHEDULED MAINTENANCE

For a better operation and longer life, be sure to clean the product regularly and replace worn parts.

Perform the interventions following the frequency indicated in the table.

FREQUENCY	COMPONENT	TYPE OF INTERVENTION
Weekly	Blade	Clean and check blade efficiency (See Par. 4.2)
		If the blade is bent due to impact or if it's worn, replace it. (See Par. 4.2)
	Recharging contacts	Clean and eliminate any oxidising. (See Comprehensive Manual)
Monthly	Robot lawn mower	Carry out cleaning. (See Comprehensive Manual)
	Charging base and power cables	Check for wear or deterioration and replace if necessary. (See Comprehensive Manual)
At the end of the mowing season or every six months if the robot lawn mower is not used	Battery	Perform the pre-storage charging of the battery. (See Par. 4.3)
Annual or at the end of the cutting season	Robot lawn mower	Carry out the servicing at an authorized service centre. (See Par. 4.1)

It is necessary to carry out a maintenance servicing annually at an authorized service centre to keep the robot lawn mower in good working conditions.

NOTE: any malfunction due to not having carried out the annual servicing will not be recognized under warranty.

4.2. REPLACEMENT OF THE CUTTING BLADES

1. Switch off the robot lawn mower in safety conditions (see Par. 1.4).
2. Turn the robot lawn mower upside down, taking care not to damage the floating cover.
3. Unscrew the fixing screws (Fig. 10.E).
4. Replace the cutting blades (Fig. 10.D) and the fixing screws (Fig. 10.E).
5. Tighten the fixing screws (Fig. 10.E).

4.3. WINTER BATTERY MAINTENANCE AND STORAGE

1. Charge the battery according to the APP wizard, accessible from the "Settings" page.
2. Clean the robot lawn mower (See the Comprehensive Manual).
3. Check the robot lawn mower is switched off and store in a dry place, protected from icy conditions.

NOTE: For more detailed information on the winter charging procedure, please refer to the Comprehensive Manual.

NOTE: Registering the charge through the app procedure is required for the battery warranty to be valid.

4.4. BATTERY REPLACEMENT

Battery replacement is the sole responsibility of the STIGA TECHNICAL ASSISTANCE STAFF.

If the battery needs to be replaced, contact a service centre or your retailer.

5. TRANSPORT, STORAGE AND DISPOSAL

5.1. TRANSPORT

NOTE: We recommend using the original packaging for transport over long distances.

1. Switch off the robot lawn mower in safety conditions (see Par. 1.4).
2. Clean the robot lawn mower (See the Comprehensive Manual).
3. Lift the robot lawn mower by its handle (Fig. 11.D) and carry it, making sure you keep the cutting blade away from the body.

5.2. STORAGE

The robot lawn mower must be stored horizontally in a dry and frost-free place after cleaning and charging the battery in the winter (see Chapter 4). During long periods of inactivity, disconnect the charging base and the satellite reference station from the mains.

5.3. DISPOSAL



CAUTION:

To remove the battery from the robot lawn mower, contact an authorized service centre.

1. Dispose of the product packaging in a sustainable way in the appropriate collection containers or at special centres authorized for collection.
2. Dispose of the robot lawn mower in accordance with local legal requirements.
3. Contact appropriate facilities for recycling and disposal as the robot lawn mower is classified as WEEE (Waste Electrical and Electronic Equipment).
4. Dispose of old or used batteries in a sustainable way in collection containers or at authorized collection centres.

6. TROUBLESHOOTING



CAUTION:

Stop the robot lawn mower and bring it back to safety conditions (See Par. 1.4).

Below there is the list of any anomalies that may arise during the work phase.

PROBLEM	CAUSES	SOLUTIONS
Abnormal vibrations. The robot lawn mower is noisy.	Damaged cutting disc or blades	Replace the damaged components (See Par. 4.2).
	Cutting device blocked by residues (tapes, ropes, plastic fragments, etc.).	Switch off the robot lawn mower in safety conditions (See Par. 1.4). Unlock the cutting blade.
	The robot lawn mower was started in the presence of unexpected obstacles (fallen branches, forgotten objects, etc.).	Switch off the robot lawn mower in safety conditions (See Par. 1.4). Remove the obstacles and restart the robot lawn mower.
	Electric motor failure	Replace the motor, contact a service centre.
The robot lawn mower does not position itself properly inside the charging station.	Grass too tall	Increase the cutting height (See Par. 3.5).
		First mow the area with a normal lawnmower
	Problem with the charging base antenna.	If the problem persists, contact a service centre.
The charging base light does not turn on when the robot is out of the charging base.	Land subsidence in the vicinity of the charging base.	Restore the correct positioning of the charging base. (See Par. 2.3.1).
	The charging base has not been calibrated correctly, or electromagnetic interferences may be present in the vicinity of the base.	After eliminating the source of disturbance, calibrate the charging base using the app. Refer to the Comprehensive Manual.
The charging base light is flashing.	The supply voltage is missing or there is a fault in the charging base.	Check that the power supply unit is plugged in correctly. Check the integrity of the power supply connection cable.
The warning icon is on on the keyboard	There is a fault in the charging base. Refer to the Comprehensive Manual.	Turn off the charging base and turn it on again after a few minutes. If the problem persists, contact a service centre.
	The charging base is not set up correctly.	Set up the charging base using the app. Refer to the Comprehensive Manual.
The robot lawn mower stops temporarily in the work area.	It indicates anomaly / failure conditions.	For more information consult the app or refer to the Comprehensive Manual.
	Weak GPS signal	If the problem persists, contact a service centre

7. TECHNICAL DATA

SPECIFICATIONS	TYPE: SRSA01 (see product label)	TYPE: SRBA01 (see product label)
Dimensions (WxHxD)	413 x 252 x 560 [mm]	529 x 299 x 695 [mm]
Weight of the robot lawn mower	Depending on the model: 8.1 [kg]; 8.4 [kg] (*) (uncertainty+/-0.1 [kg])	Depending on the model: 12.7 [kg]; 13.4 [kg]; 13.5 [kg] (*) (uncertainty+/-0.1 [kg])
Cutting height (Min-Max)	20-60 [mm]	20-65 [mm]
Blade diameter	180 [mm]	260 [mm]
Cutting speed	2850+/-50 [rpm]	2400+/-50 [rpm]
Speed of movement	22 [m/min]	Depending on the model: 24 [m/min]; 28 [m/min] (*)
Maximum slope	45%	50%
Maximum slope along the perimeter	20%	
Type of cutting system	4 pivoting cutting blades	6 pivoting cutting blades
Cutting device code	322104105/0	
Sound power level detected	57 [dB] (A)	Depending on the model: 56 [dB] (A); 60 [dB] (A) (*)
Uncertainty of noise emissions, KWA	1.47 [dB] (A)	Depending on the model: 0.56 [dB] (A); 0.65 [dB] (A) (*)
Sound power level guaranteed	59 [dB] (A)	Depending on the model: 57 [dB] (A); 60 [dB] (A) (*)
Acoustic level audible by the operator	46.3 [dB] (A)	Depending on the model: 45.2 [dB] (A); 48.6 [dB] (A) (*)
IP rating of the robot lawn mower	IPX5	
IP rating of the charging station	IPX1	
IP rating of the power supply	IP67	
Robot lawn mower operating ambient temperature [° C]	0 ÷ 50	
Charging station operating ambient temperature [° C]	-10 ÷ 50	
Power supply ambient operating temperature [° C]	-10 ÷ 50	
Work capacity	Depends on model (*)	Depends on model (*)
Power supply	Input: 100-240 Vac, 1.2 A; Output: 30 VDC, 2 A Use one of the original codes below or subsequent updates (consult an authorised STIGA dealer) 118204158/0 (UE) 118204161/0 (UK) 118204163/0 (CH)	Depending on the model: Input: 200-240 Vac, 0.8 A; Output: 30 VDC, 4 A Use one of the original codes below or subsequent updates (consult an authorised STIGA dealer) 118204159/0 (UE) 118204162/0 (UK) 118204164/0 (CH) Or Input: 100-240 Vac, 1.2 A; Output: 30 VDC, 2 A Use one of the original codes below or subsequent updates (consult an authorised STIGA dealer) 118204158/0 (UE) 118204161/0 (UK) 118204163/0 (CH) (*)
30 VDC extension cables permitted	Use one of the original codes below or subsequent updates (consult an authorised STIGA dealer) Code: 1127-0010-01, Length 5 m Code: 1127-0020-01, Length 15 m	
Battery model	Depending on the model: 25.2V - 2Ah; 25.2V - 2.5Ah; 25.2V - 5Ah; 25.2V - 6Ah (*)	Depending on the model: 25.2V - 5Ah; 25.2V - 2x5Ah; 25.2V - 2x6Ah (*)
Charging time	Depending on the model: 40 [min]; 60 [min]; 80 [min]; 150 [min] (*)	Depending on the model: 150 [min]; 180 [min] (*)
Operating time	Depending on the model: 40 [min]; 60 [min]; 90 [min]; 150 [min] (*)	Depending on the model: 150 [min]; 270 [min]; 330 [min] (*)
Connectivity:	Bluetooth®, 4G, 3G, GSM	
Navigation technology	AGS, GNSS-RTK	

(*) For further details on the specific model, please consult the complete Manual available online (see QR code on the first page of this booklet).