



**SPORTEE C-SERIES**  
**Manual of Best Practices**



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On the date of receipt by the customer, the customer is informed that the robot complies with EC Directive 2006/42/EC.

In general, IC GREEN declines all responsibility in the event of use of the robot that does not comply with the instructions provided. In addition :

- Do not modify your robot without IC GREEN's prior written consent.
- Any unauthorised modification may make your robot dangerous and cause serious injury during use.
- In addition to the risk to the user, the use of "generic" spare parts renders the warranty null and void in the event of an accident and any resulting damage.

**IC GREEN declines all responsibility in the event of accidents caused by the use of a spare part that is not original to IC GREEN or a repair that is not carried out by IC GREEN or one of the companies authorised by IC GREEN.**

To order your consumables, spare parts and accessories, contact your dealer/distributor directly or IC GREEN directly:



You can find our guides, tutorials and technical data sheets online in our help centre. Scan the QR code opposite





 	<p><b>WARNING - READ OPERATOR'S MANUAL</b> - Be sure to read, understand and follow all safety rules and instructions contained in the manuals and guides and on the robot before attempting to use Sportee. Failure to do so may result in personal injury or death. Keep this manual in a safe place for regular reference. Using a smartphone, scan the QR code for more information on the warnings on this robot.</p>
	<p><b>WARNING - DO NOT LOAD OR UNLOAD ON A SLOPE</b> - Always operate on level ground, with the robot switched off in the OFF (O) position, and ideally with two people or a winch.</p>
	<p><b>WARNING - NON-SECURE TRANSPORT</b>- Always transport and move the robot in a vehicle equipped with anchorage points and ratchet straps. Plan to anchor the robot firmly at 4 points, two at the front and two at the rear.</p>
	<p><b>WARNING - CLIMBING THE ROBOT</b> - Climbing, straddling, jumping or sitting on the robot is forbidden and dangerous. If you notice inappropriate use by the public, stop the mission and ask people to stop interacting with the robot and stay away from it.</p>
	<p><b>WARNING - POSITIONING YOURSELF IN FRONT OF THE ROBOT</b> - The sometimes-abrupt acceleration of the robot in high-speed and manual travel mode can be dangerous. It is strongly recommended to stand at the rear of the robot and at least one meter away when using the manual movement mode.</p>
	<p><b>WARNING - NON-PROFESSIONAL PUBLIC</b> - The robot is for professional use only and must not be used in a working area where the public, children or animals are present. Ask the public to completely evacuate the work area before proceeding with weeding operations.</p>
	<p><b>WARNING - PUBLIC ROADS</b> - The robot must not be moved or used on public roads. It is not an insured vehicle for this type of operation. It is the user's responsibility to take out the appropriate insurance policy, if necessary.</p>
	<p><b>WARNING - BATTERY REPAIR</b> - Do not attempt to repair, pierce, open or disconnect the battery from the robot, even when charging. Operations on the battery must be carried out by IC GREEN or a company duly authorized by the manufacturer.</p>
	<p><b>WARNING - CHARGING THE BATTERY</b> - The battery must not be charged in negative temperatures, nor ideally above 26°C. A stable temperature and a ventilated area ensure the best possible charging.</p>



	<p><b>WARNING - DO NOT THROW THE BATTERY IN THE GARBAGE</b> - Return the battery to an authorized battery recycling center. Contains Lithium.</p>
	<p><b>WARNING - DO NOT CHARGE IN HUMID CONDITIONS</b> - It is strictly forbidden to recharge the battery in humid conditions, especially in the rain. Electric shocks and short-circuits can cause serious damage to the robot and/or injury to personnel.</p>
	<p><b>WARNING - DO NOT LOAD OR LOAD</b> - Do not place any weight or object on the robot, either during transport or operation, as this may damage the safety devices (warning light, emergency stop button) and the GPS mast.</p>
	<p><b>WARNING - DO NOT CLEAN WITH HIGH PRESSURE EQUIPMENT</b> - The outside should be cleaned with clear water at no pressure higher than that of a normal tap. 2 bar is the recommended pressure. The interior should be cleaned with a blower to avoid damaging the connectors.</p>
	<p><b>WARNING - AGGRESSIVE AGENT</b> - Do not use detergents, acidic or corrosive products, or even an outdoor scouring sponge. Instead, use clear, slightly soapy water, a natural sponge and a soft rag</p>
	<p><b>WARNING - TOUCHING SCRATCHERS</b> - Touching the scratchers while the robot is switched on is forbidden and extremely dangerous, as it may result in serious injury. Do so only when the robot is switched off, or at least in emergency stop position, and always with appropriate gloves.</p>
	<p><b>PARTICULAR HAZARD - PUTTING LIMBS UNDER THE ROBOT</b> - Never attempt to put upper or lower limbs under the robot, especially under the disks when they are in action. Wear appropriate hand gloves and safety shoes as a precaution.</p>
	<p><b>DANGER SIGNALLING - WARNING</b> - It is strongly recommended to inform third parties in the work area of an upcoming or ongoing operation, at various points on the site for reasons of visibility (signs, or any other means at your disposal).</p>
	<p><b>RECOMMENDATION – STEEP SLOPES</b> - Do not operate the robot up or down slopes &gt;30%. When working on steep slopes, operate the robot in a direction perpendicular to the slope, to ensure greater stability thanks to the robot's low center of gravity.</p>
	<p><b>RECOMMENDATION - STORAGE OF THE ROBOT</b> - During periods of inactivity (several days and especially during winter storage), do not leave the robot outdoors. Store it in a dry, well-ventilated place with an electrical outlet for recharging.</p>



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## Handling and Moving

- Always load and unload on a flat, unobstructed surface.
- To facilitate the operation, use long ramps (>2 metres) for loading and unloading, at least 28 cm wide.
- In the event of a wet surface or steep slope, stand behind the robot and be ready to assist it using the handle.
- Take care not to stack any equipment on the Sportee so as not to damage the protruding parts (antenna, GPS, etc.). Whenever possible, mount the robot forward in a vehicle
- Secure the robot firmly to the vehicle's anchor points (at least 3)
- Stand behind the robot (vision module at the front) to make it easier to operate intuitively using the controls
- Put the front casing in the up position when crossing obstacles (kerbs, curbs, etc.....) or loading/unloading.

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## Power supply and battery

- Never replace the original battery with one that looks similar: use only IC GREEN batteries.
- Do not attempt to open, pierce or disassemble any part of the battery.
- If the battery is no longer in service, take it to a specialist recycling centre. Do not dispose of it in the household rubbish.
- Charge the battery in complete cycles (until almost discharged) rather than discontinuous cycles to extend its life.
- Once powered up, check that the battery indicator and the front housing light up correctly. Never press the start/stop button on the robot for more than 5 consecutive seconds, otherwise all the factory settings will be erased (a charge will be made to recalibrate the robot).
- Always use the battery charger supplied by IC GREEN and no other.
- Charge the battery between 0° and 26° C, never in negative temperatures
- When the cell is used for the first time, it MUST be fully charged and discharged to activate it and give its full capacity.
- Always charge the battery in an area with adequate ventilation
- Winterising the battery :
  - Store at the right temperature: keep your battery in a place that is no colder than 0° C (32° F) or no warmer than 26° C (80° F).
  - **Regular recharging : ideally, the battery should never be 100% discharged. Important : do not to forget to recharge your batteries during the winter months, when they are most likely to endure a rapid loss of power load..**
  - Cleaning: corrosion and dirt can cause the battery to lose charge more quickly, reducing its lifespan. It is therefore important to keep it clean. You can use a mixture of water and bicarbonate of soda for gentle cleaning.



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## Communication & safety

- Take a close look at the GSM coverage at the location of the mission: preferably choose a telephone operator with a "data" offer and optimum coverage. SIM cards from MNVOs (virtual mobile network operators) that offer a multi-operator option and automatically switch from one network to another are preferable.. By default, your robot is fitted with a SIM card (France)
- Before and during any operation, use a sign or signs or any other means to indicate that the play area is being weeded and to give the main safety instructions..
- If you change your operator's mobile number, enter the new number on the interfaces..
- Avoid any electro-magnetic source that could come into conflict with the robot during its mission: robots other than those of IC GREEN, drones and, more generally, other communicating mobile devices..

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## Information

- In the "comments" field on the interface, fill in all the information relating to the settings used and which gave satisfaction: robot movement speed, number of scratchers, tool rotation speed, conditions relating to the pitch (height of turf, level of humidity, etc.), etc.

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## Cleaning

- Use an air blower to dust and clean the robot.
- Never use a high-pressure cleaning device, especially under the robot.
- Always wash casings and bodywork gently with lukewarm water and a sponge, without using a scraper.

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## Pitch

- Check that the surface of the pitch is free of clothing or other objects that could damage the robot's mechanical weeding system and/or form obstacles on the ground or in the air (cones, goals, etc.). If necessary, remove them.
- Check that the structure and height of the handrails are compatible with the height of the robot if you have to pass under them to access the pitch.

As far as the N and F versions of Sportee are concerned, the quality of weed control is the result of a combination of several main factors, namely :

- o Movement speed
- o Tool rotation speed
- o The number of scratchers per disc and their height above the ground (pressure)

The nature of the pitch and its original contamination have a major influence on Sportee's settings. Depending on whether the land is densely grassed or more sparse, whether the turf is higher or lower and whether it is free of dew or not, the settings differ significantly. A young contamination includes recent weeds and a lesser presence of large taproots of the old plantain type, whereas an older contamination includes older and deeper taproots.



As a general rule, weeding should be carried out on dry turf, before cutting, and at a maximum height of 4cm, or even 5cm for rugby pitches. For best results, weeding should **always** be carried out **after dethatching** and **before mowing**.

## VADEMECUM – MAIN SETTINGS

January 2026  
Model A N and F



Even if the robot allows it, never operate it at 1600 rpm with the discs lowered to the maximum : high risk of destruction of the discs and scratchers.

Refer to the Vademecum, which provides examples of useful settings during regeneration or maintenance. These settings must be adapted to the specific characteristics of the area to be weeded and are only a guideline.

In the case of pitch heavily contaminated by weeds with old taproots, it is useful to modify the working height of the discs by adjusting the cam support. This adjustment should be used with care : in case it is too aggressive, there is a risk of exposing the soil.

👉 Vary the speed of movement and rotation of the tools before adding scratchers.

For the sake of safety and performance, it is the user's responsibility to ensure before each use that the following maintenance points have been complied with



*Make sure you always wear a suitable pair of gloves when handling the robot, which must be powered down (push button in position 0).*

#### Equipment required :

- Safety gloves
- Soft rag and a damp sponge
- Wooden spatula
- Compressed air device
- Single and Phillips screwdrivers

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## Battery

- Check the battery level before and after each use. Start a football pitch weeding session with at least 80% charge.
- Change your battery ideally every 5 years or 3000 charge cycles and in any case before 10 years or 4000 charge cycles.
- Charge in a temperate place, ideally between 15 and 25°C if possible, and avoid temperatures below 0° or above 26°C. See the "Power supply and battery" section of Best practices.

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## Tools and scratchers

- Before each session, check that the scratchers are not bent or broken and that the discs are not broken or cracked. If necessary, replace the discs and/or the scratchers.
- Check that the screws holding the scratchers to the plates are tightened to the correct torque; they must not be loose.
- Clean the scratchers thoroughly after each session, removing any clumps of organic matter along and at the end of the scratchers if necessary.

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## Mud management

- Remove mud from the wheels using a non-piercing object such as a spatula.
- After removing the side covers, remove any large quantities of mud from on and between mechanical parts such as the cams. Use the compressed air unit.



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## Sensors / receivers / controllers

- Clean all the obstacle detection sensors on the robot with a soft cloth; never use an abrasive surface such as a sponge scraper..
- Check that the sensors are correctly fitted to all the housings
- Check that the GPS rear mast is firmly attached. Tighten if necessary.

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## Software updates

- Check whether you have received information or an alert from IC GREEN (mail, phone or directly on the tablet) to update the robot software.
- If necessary, and if you have missed this update, contact IC GREEN to arrange a time for a remote update. In this case, at the agreed time :
  - Switch on the robot
  - Check on the tablet that you are receiving the Wi-Fi signal and that it is connected to the robot.
  - Wait for the update to complete
  - Switch the robot and the tablet off and on again to check that the update has been successfully applied.

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## Tyres

- Check symmetrical tyre pressure, adjust if necessary.

Front tyres : 1,8 bar / 26 psi

Rear tyres : 1,8 – 1,9 bar / 26 -27 psi

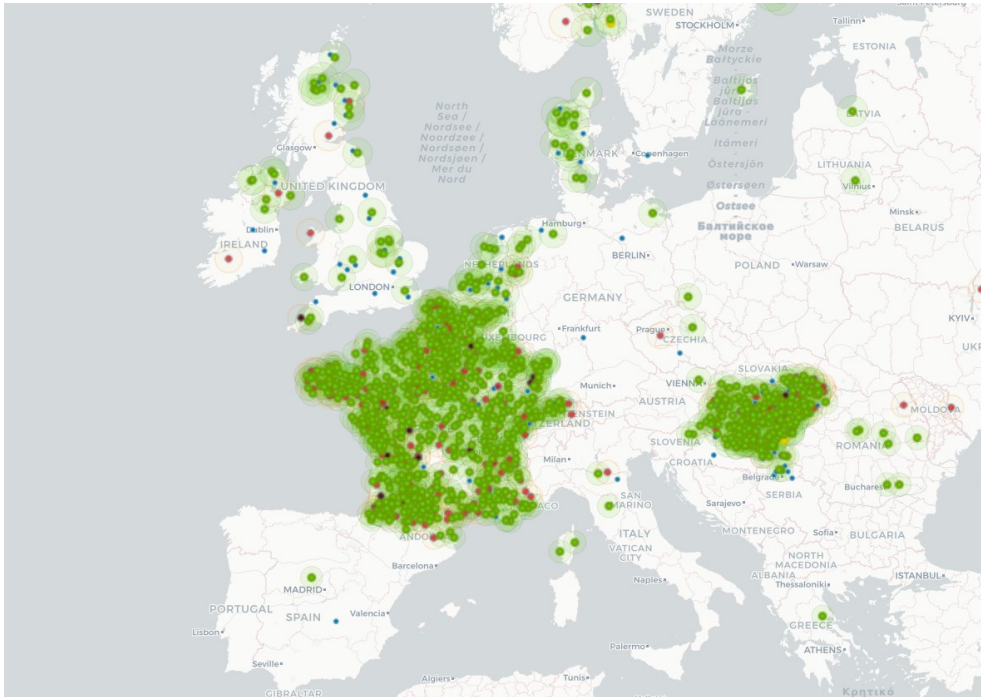
- Carry out a visual inspection of the surface condition of the tyres, which must be free of tears, asymmetric wear and lateral bulging. Any tyres showing these anomalies should be replaced.



A difference in tyre pressure can significantly affect the robot's navigation performance (non-rectilinear trajectory).

In most cases, it is not necessary to increase the signal strength of satellite positioning services (GNSS). However, some networks may have white zones. This is particularly true of free participatory networks such as the Centipède network (<https://docs.centipede.fr/>), which is rapidly expanding in Europe.

At the beginning of 2026, coverage in Europe for this network is as follows :



If the signal is weak or non-existent, an RTK base must be installed to access Centipède. The <https://docs.centipede.fr/docs/base/Materiels.html> website provides all the information and best practice you need to choose your equipment and install the software and hardware. The choice of base location and the type of base are the two main things that need to be taken into account to obtain an optimum signal. IC GREEN can install an RTK base at your request (see conditions on quotation).

## Location

- The location of the receiving antenna does not need to be in a dominant position, but must offer maximum visibility of the sky. It is essential that there are no obstacles (buildings, trees, walls, etc.) above the first 10 degrees from the horizontal plane of the antenna in any direction. These 10° correspond to a height of 1.76 metres for every 10 metres of distance, which means that an obstacle 8.8 metres above the antenna, but 50 metres away, will not be a nuisance.

## Location (continued)

- It also needs to be very stable in terms of its position, so it's best to fix it to a concrete block or the gable of a building (beware of the expansion of steel buildings).
- There may be some distance between the aerial and the rest of the equipment; it's important to anticipate this distance and order an aerial cable of the right length. It is recommended not to exceed 5 to 7 metres. Beyond that, you'll need to use high-quality cable, which will be expensive and rigid.
- The RTK base station absolutely must have access to the Internet, preferably via an ethernet cable (RJ45), in order to share its corrections on the Centipede network. It is therefore necessary to have an Internet access point not far from the installation area and to adapt the length of the cable according to requirements. Unlike aerial cable, ethernet cable can be longer (up to 100 metres). If you don't have a nearby connection, you can opt for two PLC ethernet boxes.

As far as satellite visibility is concerned, choose an open area with a minimum of obstructions, where the surroundings of the terminal are least likely to change over time. Avoid sites where trees or shrubs may grow, where buildings may be erected, where roof elements may be added, where new antenna masts, satellite dishes, parking lots, chain-link fences, etc. may be erected. Also avoid proximity (within 30 m) to reflectors such as vehicles, metal walls or metal panels, which can cause multiple signal paths. Obstructions should be kept below 10 degrees above the horizon from the PRA, and their number should be minimal between 0 and 10 degrees (see figure below). The greater the volume of space through which signals can reach the antenna without being interrupted/reflected, the higher the probability of obtaining a solid position assessment. There should be no lightning conductors, broadcast antennas or other objects above the antenna or within 3 m of it, and these should be within 0 degrees of the horizontal surface on which the PRA is located (Antenna Reference Point: point on the outside of the antenna where the antenna height is measured).

