



Sportee™ C-Series

Quick Starter's Guide



Version March 2025

INFORMATION - DISCLAIMER

You've just acquired one of the very first Sportee™ weeding robots, congratulations !

Although Sportee™ is continually undergoing improvements, this quick start guide aims to give you, step by step, everything you need to use the robot properly so that you can quickly start using Sportee and get initial results with an experience that is enjoyable and successful.

Programming Sportee is simple, but it's absolutely essential that you've taken the training course and read the best practice guide beforehand. We've given you this guide so that you don't make mistakes that could damage the robot, the results you expect from it, or the people who use it or come into contact with Sportee™. To this end, and without this being exhaustive, you will find for your convenience some of the information from the best practice guide indicated here.

If you have any questions about an operation, whatever its nature, consult all the documentation you have been given, and if you cannot find the information you are looking for, contact your IC GREEN representative by telephone or email contact@icgreen.fr, who will advise you.

Make sure you have Professional Liability or other insurance covering the use of your Sportee™ robot as soon as you take physical possession of it.

We thank you for your trust and wish you many years of Sportee™ use.

IC GREEN SAS

WARNINGS

For optimal, risk-free use of Sportee, we recommend that you read and strictly comply with the main warnings on this page. All safety instructions and pictograms are available in the Best Practice Guide.

MOTION & HANDLING



Do not load/unload the robot from a vehicle on a slope. Always do so on level ground



Do not stand in front of the robot to control it. Stand behind it



Do not drive on roads or pavements intended for motorised vehicles



On slopes >30%, work at right angles to the slope.



Do not place any load on the robot



Do not climb or sit on the robot



Do not transport the robot without first securing it to the fixing points.



Do not use in the presence of unauthorised persons (families, children, pets)

BATTERY MANAGEMENT



Do not throw in the bin. Take it to a specialised collection point



Do not disassemble, drill, open or attempt to repair.



Do not charge at temperatures below 0° or above 26°C



Do not recharge in the presence of water, rain or high humidity

SAFETY



NEVER pass your upper limbs (arms, hands) or lower limbs (legs, feet) under the robot.



Always display a sign on the site of a current or forthcoming operation

MAINTENANCE / STORAGE



Do not use a high-pressure cleaner on or under the robot



Do not use abrasive products or sponges, even slightly abrasive ones.

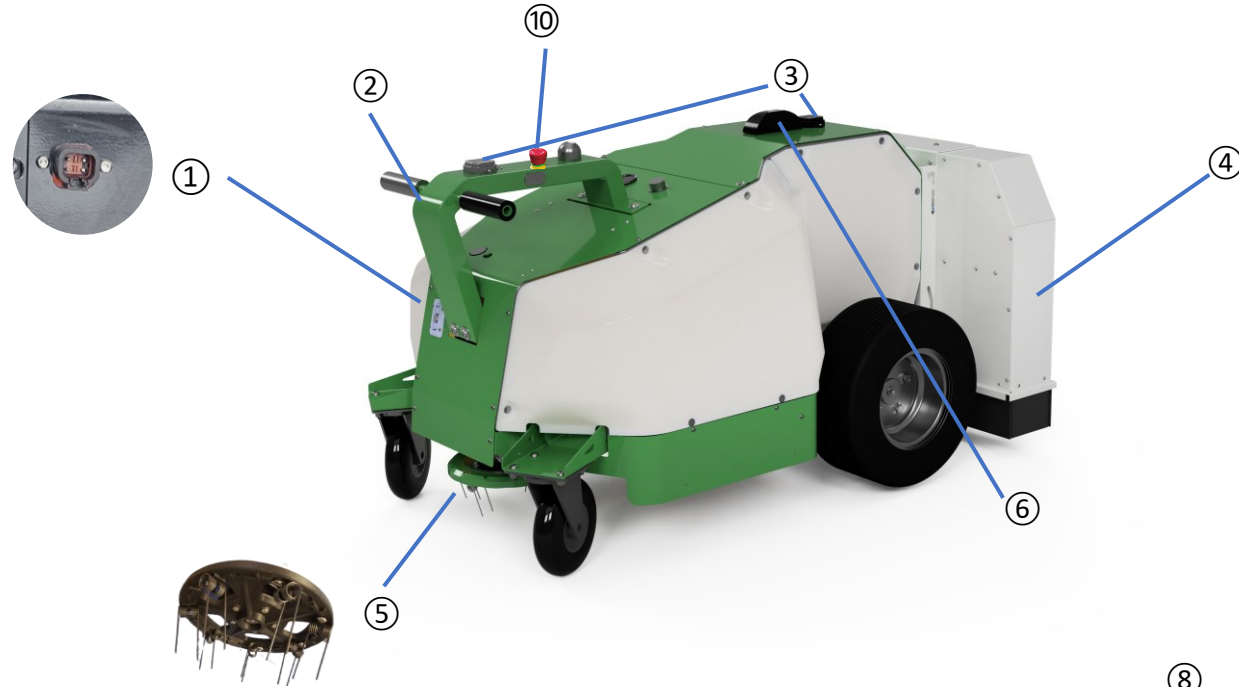


When not in use, store the robot in a safe place



EXTERNAL INDICATORS AND EQUIPMENT

- ① Connection socket for recharging adapter
- ② Handle
- ③ GPS 1 + GPS 2
- ④ Front vision box
- ⑤ Discs with scratchers
- ⑥ WIFI-Antenna

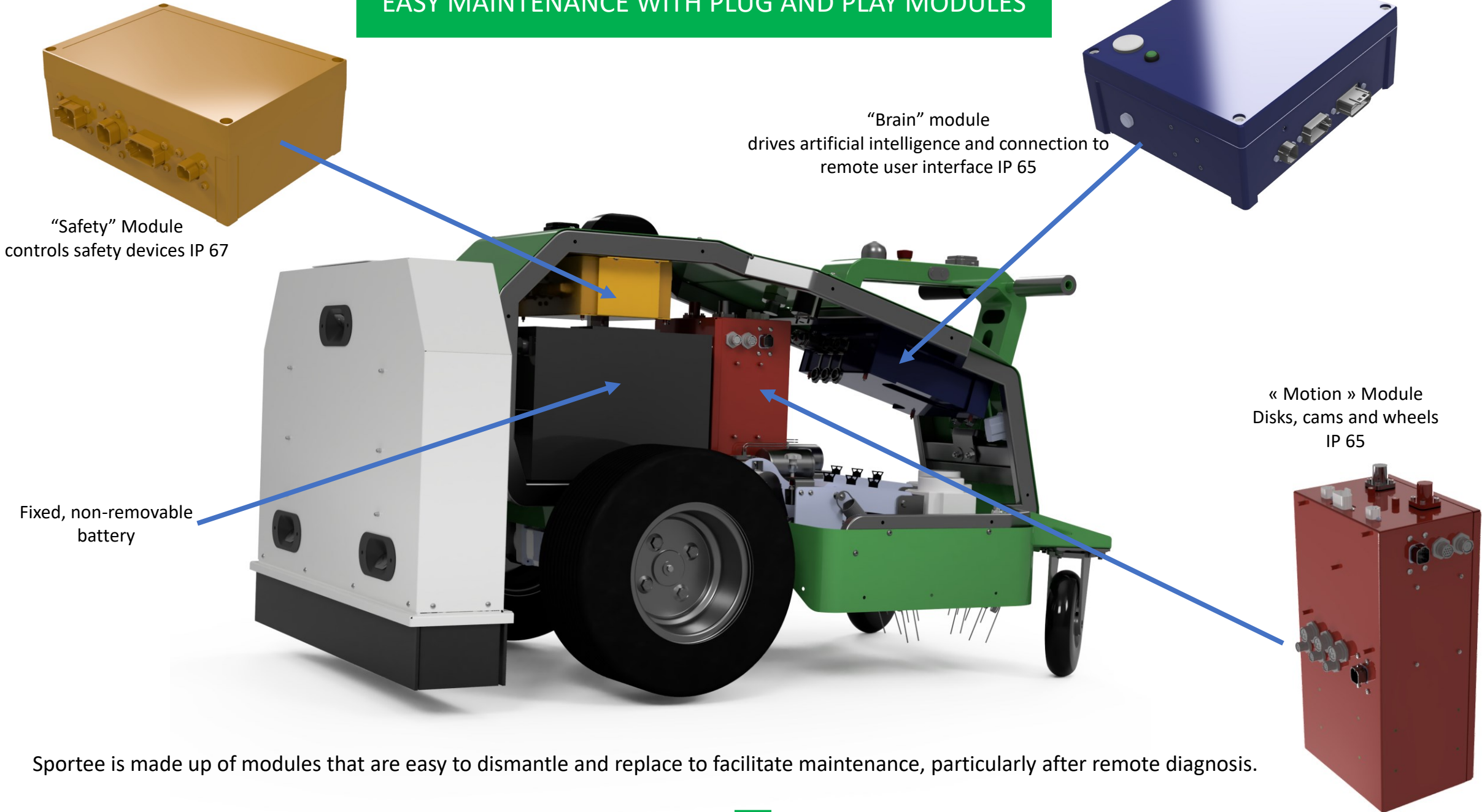


CONSOLE

- ⑦ Warning light
- ⑧ Battery charge and voltage indicator
- ⑨ On (-) / Off (O) switch
- ⑩ Emergency stop button



EASY MAINTENANCE WITH PLUG AND PLAY MODULES



Sportee is made up of modules that are easy to dismantle and replace to facilitate maintenance, particularly after remote diagnosis.

STARTING SPORTEE

- 1 Start: turn the rocker switch to the - (on) position.



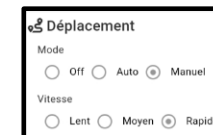
- 2 Check that the charge indicator lights up, indicates % battery and that the vision box lights up



- 3 Switch on the tablet, connect to the 'Sportee N° XX' WIFI network, then once connected, click on the IC GREEN shortcut: the interface will open.



- 4 Check that in the 'Controls' menu the movement mode is set to **Manual** and the movement speed to **Medium** or **Fast**.



- 5 Move Sportee by standing behind it and pressing the centre of the joystick in the desired direction.



- 6 Use the joystick to steer Sportee onto the desired pitch, positioning it slightly outside the playing area, ideally near a corner.

THE INTERFACE – THE COMMANDS TAB

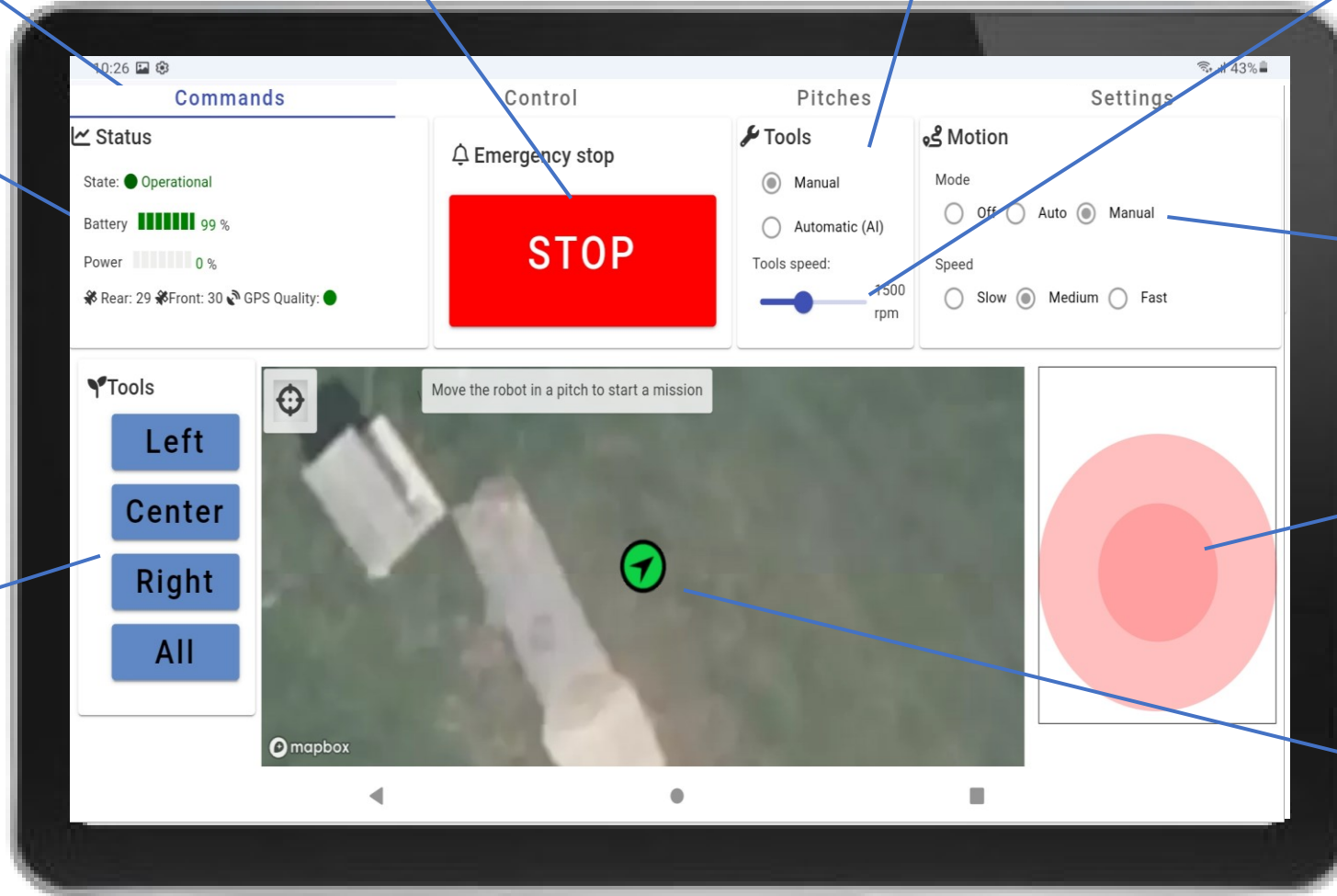
The Commands tab

Triggerable emergency stop button from the tablet

Tool mode management panel. Manual or Automatic

Tool speed adjustment slider

Display panel showing battery level, operational status, power used and GPS signals. To start a mission, GPS quality must be green



Manual tool control panel. Useful mainly for small areas or for finishing. Keep your finger pressed down during use

Left disc
Centre disc
Right disc
All discs

Motion mode and speed management panel

Virtual motion joystick

Display screen with exact satellite positioning

THE INTERFACE – THE CONTROL TAB

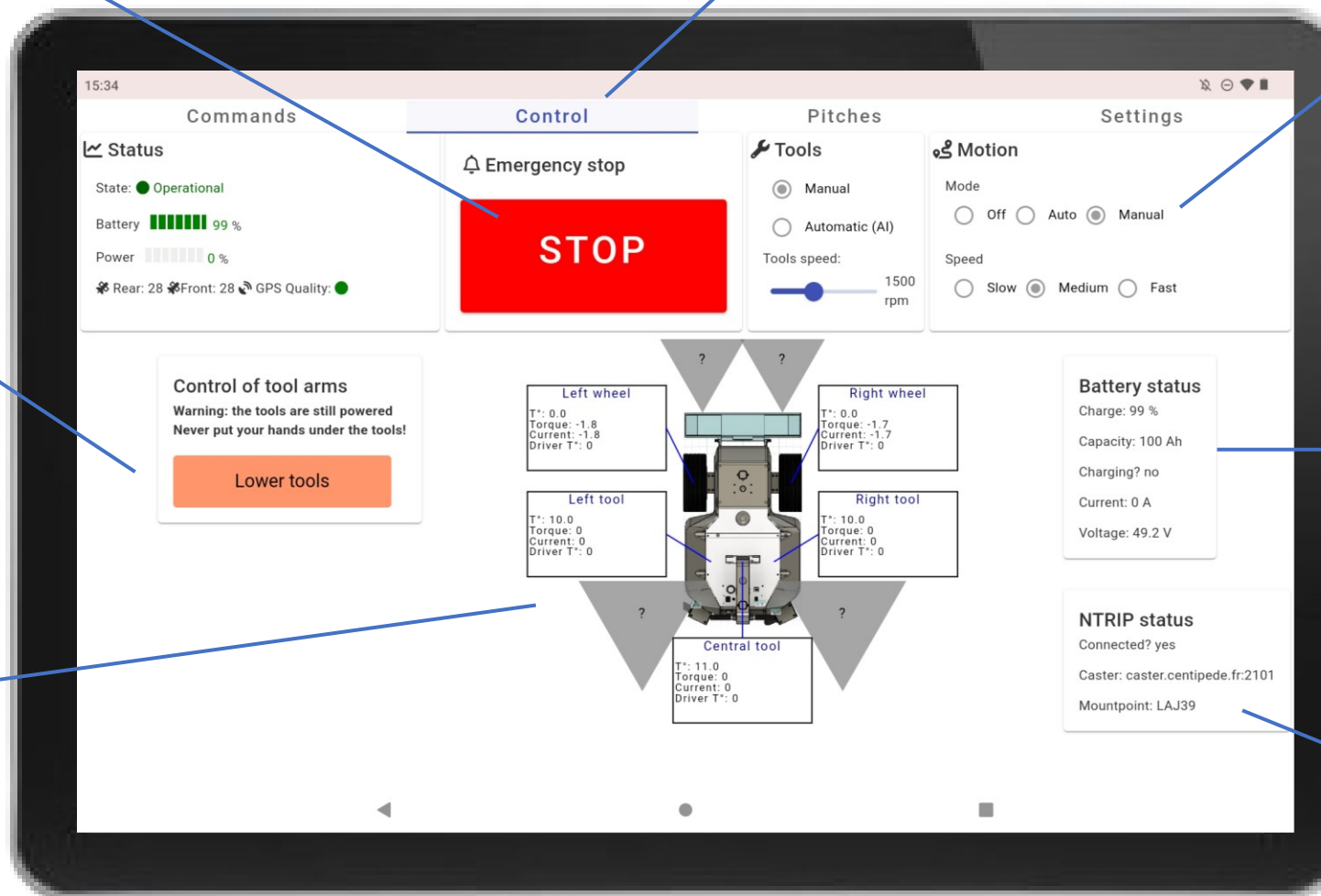
Emergency stop button that can be triggered from the tablet if required
Used to work on discs, for example

The Control tab

Tool lowering control for adjusting the working height of the discs.

Once activated, the command appears as 

Motion management panel



Real-time display of technical data for key components

Temperature
Torque
Temperature of electronic cards

Physical and operational state of the battery

NTRIP server connection status:
RTK operator entered in the 'Settings' tab

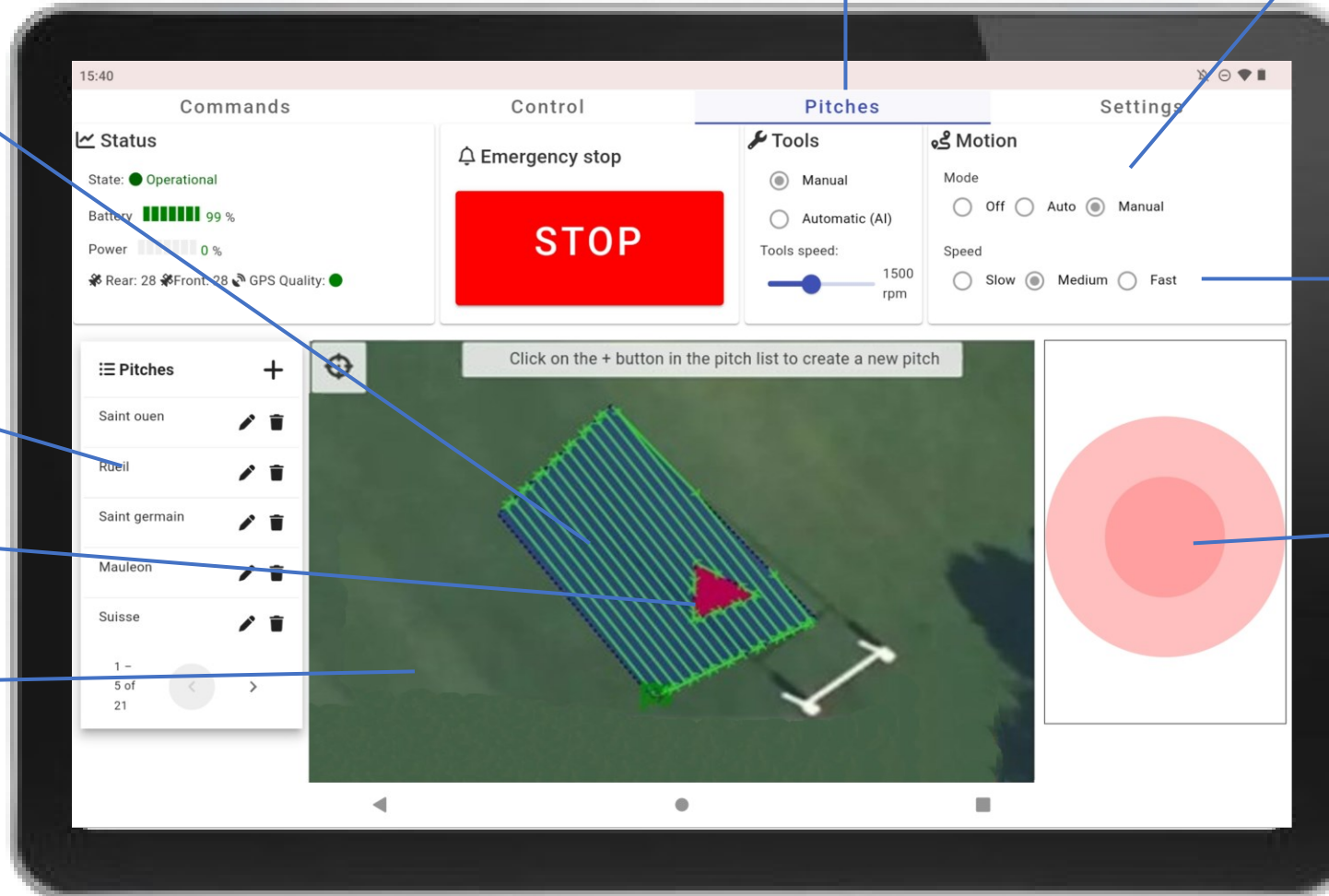
THE INTERFACE – THE PITCHES TAB

View of the pitch.

The green lines indicate the work already done. If existing, red lines indicate work still to be done.

The Pitches tab

Motion management panel
Set on 'Manual' by default
Triggers the mission when set on 'Auto'



List of pitches already registered
(with their settings)

No Go Zone (Red)

Satellite view of the pitch

Motion mode and speed
management panel

Virtual motion joystick

THE INTERFACE – THE SETTINGS TAB

The screenshot shows the 'Settings' tab of a robot control interface. The interface is divided into several sections:

- Status:** Shows the robot's state as 'Operational', battery at 99%, and power at 0%. It also displays rear and front camera status and GPS quality.
- Control:** Features an 'Emergency stop' button and a large red 'STOP' button.
- Pitches:** Includes 'Tools' settings (Manual, Automatic (AI)) and 'Motion' settings (Mode: Off, Auto, Manual; Speed: Slow, Medium, Fast).
- Language:** A dropdown menu currently set to 'en'.
- Battery capacity:** Radio buttons for 50Ah and 100Ah.
- Test mode:** A checkbox for 'Activate developer mode'.
- Versions:** Lists the ROS, IA, and IHM versions.
- SMS notification:** A field to add a phone number (+33 610-48-34-26).
- NTRIP configuration:** A field to add an NTRIP server (centipede).
- Robot name:** A text field containing 'Frankenstein'.
- Robot speeds:** Input fields for slow (0.15 to 0.3 m/s) and medium (0.3 to 0.6 m/s) speeds.


Annotations and callouts:

- Developer mode:** A warning that it should not be activated unless required by technical support.
- The 'Settings' tab:** Points to the 'Settings' tab header.
- Motion module management:** Points to the 'Motion' settings, noting that the mode is OFF when the 'Settings' tab is activated.
- IT version and structure:** Points to the 'Versions' section.
- Robot Name:** Points to the 'Robot name' field.
- NTRIP server panel to manage RTK connection:** Points to the 'NTRIP configuration' section, with examples: Centipède (France) and Swipò (Switzerland).
- Possibility to modify the Slow and Medium speeds:** Points to the 'Robot speeds' section.
- Add operator's cell number to receive SMS notifications:** Points to the 'SMS notification' section.
- Choice of languages for the interface:** Points to the 'Language' dropdown.
- Battery capacity type:** Points to the 'Battery capacity' radio buttons.

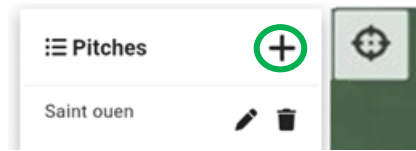
DEFINE A MISSION- 1

SIMPLIFIED MODE

01 Position the robot on the pitch

02 Go to the 'Pitches' tab : 

03 Then on « + » in the left panel on the interface




04 Enter the pitch name (example : « Biviers Vendredi ») and if necessary, your observations, then click on 'confirm' : the name of the pitch now appears in the left panel.

Tip : at the end of a mission, it can be useful to make a note of your settings for the next time :

- Average motion speed chosen
- Tool speed
- Tuf height
- Etc...



05 Go to the 'Commands' tab, navigate to the first point you want and, once in place, press  which flashes green, then the point creation indicator appears.

Repeat the operation as many times as there are points around the perimeter of the mission you wish to carry out.



DEFINE A MISSION - 2

SIMPLIFIED MODE

06 Once all the points have been added, the mission perimeter appears as a green polygon.

1 - Click on the green swoosh to indicate that you have finished defining the scope of your mission.

2 - Define the starting point of the mission and go to the point 07

Need to add no-go zones ? Go to next page



DEFINE A MISSION– 2Bis WITH A NO GO ZONE

SIMPLIFIED MODE

06

Exclusion zones (overplayed areas, bunkers, vegetation, etc.) can be created. If there's no need, validate the mission area and go to step 07

To create a No Go Zone, create the points as for a normal mission. For instance :

- a three-point triangular zone
- A four-point square or rectangle zone
- A complex geometry with X points

Once all the points have been set, the No Go Zone appears as a red area. Confirm this area or these areas and move on to the next point

Examples of NO Go Zones :



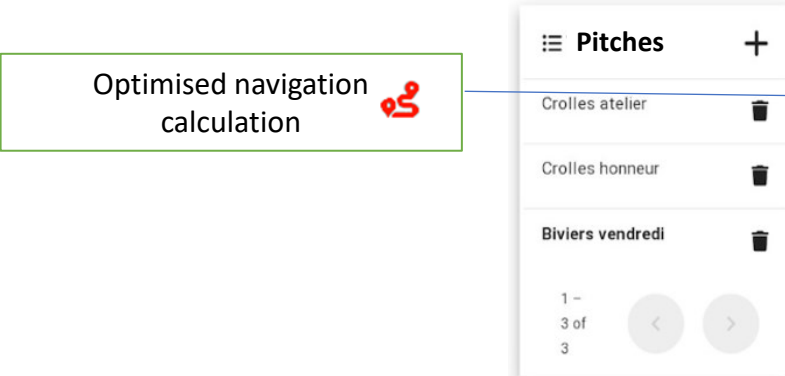
DEFINE A MISSION

SIMPLIFIED MODE



With or without No Go Zone, resume at step **06**
Define the starting point of the mission

07 To optimise working time, try to keep as much of the route as possible parallel to the boundary of the perimeter, so as to 'stick' to it. Then start the navigation calculation by clicking on the red symbol



Tip: click on the longest side of your mission area to make it as parallel as possible to the edge of the area. A yellow line will appear.



DEFINE A MISSION

SIMPLIFIED MODE

- 08 Still in the 'Pitches' tab, check that the robot is located in the mission zone. If necessary, move it there using the tablet in manual mode



Example of the area including the calculation of the mission and excluding the No Go Zones

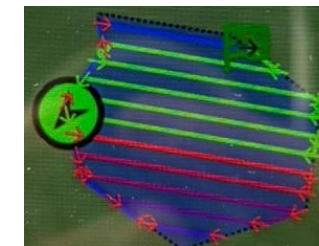
- 09 Once Sportee is in the mission zone, go to the 'Commands' menu, then move to auto mode, then click on the flashing green arrow to launch the mission.

2- Launch of the mission



Sportee can handle rounded shapes.
Photo taken during the mission to show the progress of the work

- The green lines are those already worked on
- The red lines are those to be worked on



- 10 Sportee then automatically begins its mission by reaching the first defined point

Mission interruption

- Either by physically pressing the robot's emergency stop button
 - The robot can only be restarted by physically changing the position of the emergency stop button
 - Sportee restarts from the same point at which it stopped (you need to press the Play button on the tablet) and starts again from the beginning of the strip of work that has been started but not completed.
- Or press the red STOP button on the tablet:
 - By pressing the Play button, the mission restarts after a message appears asking whether you wish to continue with the mission.
- Or press the pause button:
 - press the Play button to resume the mission from where you left off.

Mission modification

- Addition or deletion of points from the scope of the assignment
 - Go to the terrain menu, and in the left-hand menu press the pencil next to the name of the pitch you wish to modify.
 - Make any changes you wish, then press 'confirm'.
- Robot's speed during a mission :
 - You can change the speed of the robot during a mission : simply choose you desired speed
- Tool rotation speed :
 - Go to the 'Settings' menu, change the 'Tool speed' slider
 - NB : tool rotation speed can be changed anytime

Resuming a mission

1. Go to the 'Pitches' menu and choose the pitch for the mission in question
2. Move the robot to the mission area using the tablet
3. Switch to the Auto mode by choosing Sportee's motion speed
4. Start the mission by pressing the 'Play' button at the top left of the image of the mission area.

Deleting a mission

1. Go to the 'Pitches' menu and select the pitch for the mission in question
2. Press the trash button
3. Confirm that you wish to delete the selected pitch

Tips and tricks for troubleshooting

In the event of a problem, follow the instructions below, which list the solutions to the most likely issues.

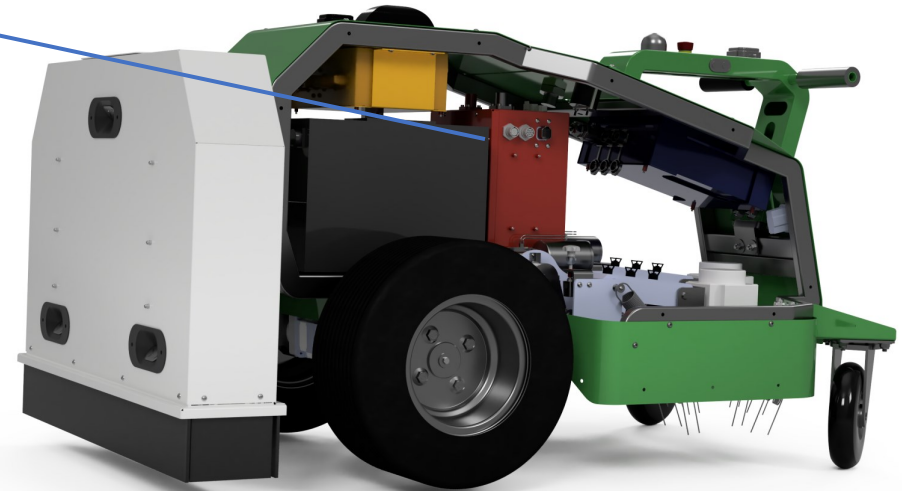
For all other cases, contact your distributor or our support department at tech.support@icgreen.fr

ON / OFF

Observation : the front vision module remains lit for more than 30 seconds after the robot is switched off.

→ **Probable cause :** the battery management centre has lost the stop information.

Solution : Remove the left side cover and press the reset button located at the rear centre of the battery. This will switch the robot off immediately.



Tips and tricks for troubleshooting

Connection

Observation : the WIFI symbol is not displayed on the tablet

→ **Probable cause** : network in white zone or unstable

Solution : check your GSM operator's coverage. NB: the multi-operator provider recommended by IC GREEN automatically connects to the best signal



Observation : the GPS connection quality indicator on the tablet remains red

Probable cause : GPS coverage is made difficult by external obstacles (trees, a grandstand or clouds...)

Solution : check the number of satellites. Wait a few minutes to reach at least > 20 and up to ~ 30. To make the connection easier, move the robot a few meters. This is often enough to restore a good operational signal outside the covered area. Once the indicator has turned green, a mission can start. If, however, the mission does not seem to be working, check in the 'Settings' tab that the correct RTK operator has been selected

If this is not the case, change to validate the correct registered operator. As a last resort, contact the technical team

Tips and tricks for troubleshooting

Motion

Observation : Sportee starts and stops abruptly

→ **Probable cause :** joystick sensitivity is high

Solution : With time, you'll learn to modulate the way your thumb controls the joystick. Note that each speed can be modulated by smoothly and progressively controlling the action of the thumb on the joystick.

Observation : after a while without being used, Sportee remains powered up, tablet connected, but the robot does not respond

→ **Probable cause :** loss of data transmission between the tablet and the robot.

Solution : Switch off the tablet, then the robot, and restart them

Observation : In automatic mode, the robot does not produce perfectly straight working lines

→ **Probable cause 1 :** the ground may have significant unevenness or differences in level

→ **Probable cause 2 :** GPS signal is lost or degraded

→ **Probable cause 3 :** Incorrectly balanced tyre pressure

→ **Solution :** Have the manager level the surface

→ **Solution :** Is the weather very unfavourable (clouds, etc.) or is the environment complicated (tall trees, stands, etc.)? For information, the presence of tall trees, can cause you to lose RTK contact for a few metres, but the robot will be able to keep its heading and resume its ideal route without you having been informed.

→ **Solution:** Check front and rear wheel pressure



Tips and tricks for troubleshooting

Weeding



Observation : the weeding operation removes too much turf and not enough weeds

→ **Probable cause 1** : dirty scratchers - clean by putting the robot in the STOP position or by pressing the emergency button

Solution : clean by putting the robot in the STOP position or by pressing the emergency button

→ **Probable cause 2** : inadequate combination of travel speed, tool speed and disc height adjustment

Solution : carry out work tests on a free section of your pitch for each new job and each new mission to get the best possible idea of the combination of all the most effective parameters. The weather conditions, the height of the turf, the types of weeds and the season (spring, summer, autumn) are all factors that can vary the result significantly

Observation : Sportee moves correctly but the tools don't work

→ **Probable cause** : the vision module is clogged with splashes or the electronic cards are malfunctioning

Solution : clean it

If, after cleaning, the problem persists, contact Technical Support, who will be able to carry out a remote diagnosis. If a fault is detected, they will help you to solve it as quickly as possible, either remotely by reinitialising the software, or by sending you the faulty component.