

spidertracks

The world's **favourite** portable
satellite tracking solution

Instruction Manual Hardware S2

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Please contact support@spidertracks.com if you have any
issues with these instructions.



Welcome to spidertracks!

Thank you for purchasing the spidertracks tracking solution - the world's favorite satellite tracking solution.

Spidertracks is an innovative satellite-based tracking system, combining satellite communication and GPS technology into one simple, cost effective and portable solution.

Spidertracks offers you increased productivity and cost savings and enhances the safety of your crew and clients. Real-time tracking means you know exactly where your aircraft or vehicles are, wherever they are across the globe, whenever you want. We recommend following the steps below before using your spider.



Installing your Spider

To work best the spiders need a good view of the sky.

We recommend placing the spider on top of the instrument panel in the vehicle, preferably not directly under any window frames. If you cannot physically see the sky from where the spider is placed the spider will not be able to either.



Secure the spider to the dashboard with the bracket supplied. The spider unit can be quickly removed from the mount when required. The top of the spider must point up. The Spider is not subject to Specific Absorption Rate testing, however we recommend placing no less than 200mm from a person.

The spider can be powered using the supplied power lead - just plug into your vehicles' 10-32 volt DC (cigar lighter) power supply. Or the spider can be hard-wired to the power supply in your vehicle if you prefer.

It is a simple process for a Licensed Aircraft Maintenance Engineer or technician to wire in the supplied power lead to the battery. The spider draws up to 1A on transmission, a 3A fuse is recommended and if required 18 – 22 AWG wire can be used depending on length.

The power lead supplied has three wires. Brown is positive, black is earth, and blue is not required.

When the power supply is connected and turned on the spider will automatically connect to a satellite. The LED on the abdomen of the spider will glow red until the spider has a GPS fix. When a fix is acquired the LED will turn amber. The first time you power up, it may take the spider a few minutes to secure a GPS fix. After that it should take less than a minute if you use your spider often.

Installing your keypad

If you have a keypad you will also need to connect it to the spider unit via the USB connection under the blue cap. Attach the keypad with the adhesive bracket supplied to a place you can easily reach while flying or driving. Be careful not to put it in a place where you may accidentally knock the buttons.

Using spidertracks

Once your website account is setup and you have installed your spider you are ready to go flying. As soon as you have power to the spider it will attempt to get a GPS fix. Once it has this fix it will send your location in real time to the website. Further points will be sent corresponding to the time and/distance that you set in the website.

Using the keypad

mark

Press the mark button to force a position point to be sent right now. A description will be added to the point when viewed on the website. You can add up to four descriptions. Pressing the mark button twice within one second will cause mark button description two to be displayed, and so on. The mark button can be used at any time and a point will be sent, as long as the unit has a fix.

radius

Press the radius button when working in a defined area for an extended period of time if you do not wish points to be sent while in this area. This may be while flying close to the airport, or doing agricultural work. Normal tracking will continue when the circle defined by the radius is exited.



monitor

Press the monitor button for the website to monitor your flight. The website will monitor the points coming in and if none are received for a fifteen minute period while monitoring is turned on the website will send out an email and text alert to your *contacts*.

You can have monitoring on for part or all of the flight. The normal transmission rate will occur when monitoring is turned off. You must turn monitoring off at the end of your flight, and wait for the blue monitoring light to stop flashing.

Please note that if you are flying with monitoring on, you can use the radius. This will suspend monitoring until you leave the radius. Monitoring will turn back on when outside the radius area.

alert

Pressing the radius and mark button together will cause an alert to be sent to contacts. The only way to stop the alert is to power down the spider and power up to start it tracking again.

Both monitoring and manual alerts are only sent to contacts that you set up in the website. They will not be sent to emergency services. If you require the alert to be sent to emergency services please contact your local authority and inform them that you intend to do this. They may require further information on how the alert service works. Please contact support@spidertracks.com if information on the alert service is required.

Please also note that the alert mobile number must be in international format and must be a valid mobile number. For example, a New Zealand mobile number 021 848 728 would be entered +6421848728.

The email address must be valid and entered correctly as well. You can test these work by clicking *test* from the *contacts* page. If the email doesn't come through please get the contact to check email filter settings.