

spidertracks

Spider S3 Instruction Manual



Spider Tracks Ltd
203/150 Karanagahape Road
Auckland 1010
New Zealand
info@spidertracks.com
www.spidertracks.com
P + 64 6 353 3395

October 2013. This manual was correct at time of printing. Please contact support@spidertracks.com if you have any issues with these instructions.

1. Installing your Spider S3

Spiders need a good, clear view of the sky.

Positioning

We recommend placing the Spider on top of the instrument panel in the aircraft, not directly under any window frames or heated windows. If you cannot physically see the sky from where the Spider is placed the Spider will not be able to either. The Spider is not subject to Specific Absorption Rate testing, however we recommend placing no less than 200mm from a person.

Secure the Spider to the dashboard with the bracket supplied, please make sure you can easily reach it while flying. The Spider can be quickly removed from the mount when required. The top of the Spider should point upward.

Power

The Spider can be powered using the supplied power lead - just plug into your vehicle's 10 to 32 volt DC (cigarette lighter) power supply. Alternatively 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 can draw an excess of 1A on transmission, a 3A fuse is recommended and if required 18 – 22 AWG wire can be used depending on length. The Spider should not be used in line with a switch.

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

2. Initial Start Up

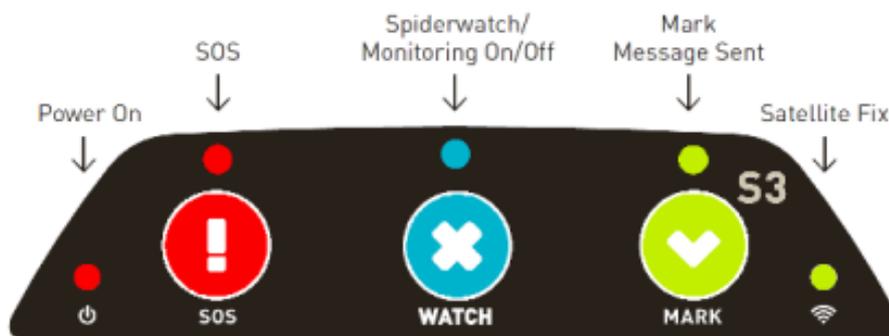
Once your website account is set up and you have installed your Spider you are ready to go flying.

Initial Start Up

When the power supply is connected and turned on the Spider will automatically connect to a satellite. The left LED on the keypad of the will glow red and the right LED will turn amber when it has a GPS fix. This will turn green when it has sent the first position report through the Iridium Satellite Network. 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. It is recommended you have a GPS fix before moving.

Please remember the Spider must have a view of the sky in order to work.

3. Using the Spider



SOS

Pressing **SOS** on the Spider will cause an SOS to be sent to your tier one support people setup in the website. The only way to stop the alert is to power the Spider down and power up to start it tracking again.

SOS alerts 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 mobile number must be in international format and must be a valid mobile number. For example, a United States mobile number 555 234 567 would be entered +1555234567, where +1 is the international calling code.

Watch

Press the **Watch** button for the website to monitor your flight. The website will monitor the points coming in and if none are received for a 15 minute period while Watch is active, the website will automatically send out an email and text **SOS** to your support people.

You can have monitoring on for part or all of the flight, you are able to turn it on and off by pressing the **Watch** button. The normal transmission rate will occur when Watch is turned off. You must turn Watch off at the end of your flight, and wait for the blue LED to stop flashing – this should take less than one minute – to prevent an SOS from being sent.

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. The **notification message** from Mark 1 can be sent to email and the mobile phones that have been set up to receive these in the Notification settings page on the website. When the button is pressed once a Mark one is sent, Mark 2 -> press twice, Mark 3 -> press three times, Mark 4 -> press four times. Presses must be within one second of each other.

The Mark button can be used at any time and a point will be sent, as long as the unit has a GPS fix.

4. Adjusting the LED brightness

You can adjust the Keypad LED brightness by **pressing and holding** the Mark button down. The LED will scroll through the levels of brightness. Release the mark button when your desired brightness is reached.