

How to use the 1090 Sentry Data Logger

In order to gather performance data, uAvionix has provided an ADS-B receiver capable of logging transmissions to internal memory. That data can be retrieved after the flight and shared with uAvionix.

NOTE: The Sentry Data Logger is shipped with its battery charged. Repeated operation will require charging of the device using the included cable and any USB power source.

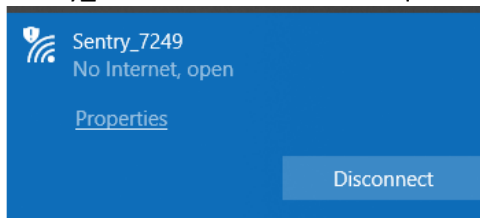
Flight Instructions

1. Install the Sentry Data Logger in your aircraft, preferably by using the included suction cup mount.
2. Turn on the Sentry Data Logger by holding down the power button until the LED indicators turn on.
3. Note the time, date and duration of the flight operation.
4. Power on the aircraft and perform the test flight.
5. Complete the flight and power down the aircraft.
6. Turn off the Sentry Data Logger by holding down the power button until the LED indicators turn off.

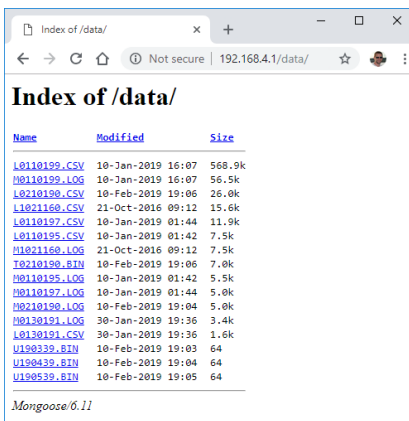
Data Retrieval

The flight data log must be retrieved and shared with uAvionix. Follow these steps to extract and submit the data to uAvionix.

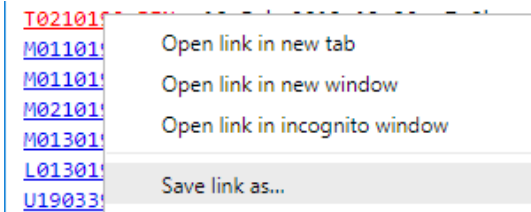
1. Turn on the Sentry Data Logger by holding down the power button until the LED indicators turn on.
2. From a Windows or Mac computer, connect to the Sentry Data Logger Wi-Fi. The SSID will be Sentry_XXXX where XXXX is a unique ID. There is no passphrase required.



3. Using a web browser (preferably Chrome or Safari), access the following URL:
<http://192.168.4.1/data/>



- A list of files will be presented. The file names are in the form EmmdddyX.bin where:
mm - Two digit month
dd - Two digit day of month
yy - Two digit year
X - Incremental file number for duplicate dates. Max of 10 files.
- Locate the file appropriate for the date flown. Times and dates are presented in UTC.
- Save the appropriate file to your computer by right clicking on the file and selecting "Save link as...". Note where the file was saved to, for example your Downloads folder or Desktop.



- Turn off the Sentry Data Logger by holding down the power button until the LED indicators turn off.
- Submit the log file to uAvionix by attaching it to the "Submit a Flight" form through the tailBeacon X Beta Program Portal. <https://uavionix.com/test-pilot/>

Notes & Observations

Sentry Log *

No file chosen

For addition support contact betateam@uAvionix.com