



Test Tracker



The new **Sporttraxx Test Tracker** is the ideal tool for the pre-event

- High resolution recording of GPS tracks and Waypoints
- Live testing of GSM coverage and GPRS connections

It features a combination of

- Qstarz GPS Logger set at 1 Hz recording frequency
- Quecklink GPS/GPRS Tracker set at 5 second transmission interval using a multiroaming GSM sim card

What can I do with it?

Few days before a rally, if GSM tracking is planned, you can use this device to

- Collect a high resolution GPS track with the relevant Waypoints, to setup the cartographic data for the live tracking software
- Live verify the GPRS connection availability in any point along the whole rally route through a Led, a test button and a buzzer
- Collect, on the live tracking server, the information about the general GSM signal availability. that can be used by the organizer to best arrange the safety structure

How to use it?

The device needs to be fully charged. The battery can last approximately 12 hours of non-stop use. It can be charged using the mains charger or the car charger.

Simply connect the magnetic connector and monitor the red charging Led. Led on means under charge, led off means device is fully charged. Be carefull that the magnetic plug is easily "caught" by any metallic object around!

Install the standard UK rally craddle on your dashboard. In the center of the dashboard, using the double sided tape, allowing the device a free view to the sky through the windscreen. Consider the viewing angle of the Leds. It should face toward who is managing the device along the test.

Stick the tracker on the craddle's pins. No need for the rally rubber as your driving style and speed are not supposed to require it.

When ready, turn on the device and allow some time to

- **Get a valid GPS position** for both the logger and the tracker.
The 2 green leds on the front left side must be both flashing slowly. If fixed = no valid position yet. Make sure you are in an open sky location.
- **Establish a GPRS connection.** The blue led on the front side must be flashing slowly. If fixed = no GSM connection.

It takes normally around 1 minute to be ready to start the test drive.

While driving with a speed > 5 km/h the logger will record one position each second and the tracker will transmit its position each 5 seconds with a speed > 5 km/h

When stopping, the logger will stop recording and the tracker will stop transmitting. That is meant to not waste memory space, save data transmissions, battery life and keep the data files small.

During the day, the GPS green leds might temporarily (few seconds) stop flashing, for sudden losses of GPS signal (a tunnel, heavy vegetation or urban canyons with tall buildings all around). Normally they should be flashing slowly all the time.

The blue GPRS led keeps flashing as long as the tracker is online, connected to the tracking server. If flashing turns to fast = not connected. A disconnection is shown by a beep. Manual tests in a specific location can be done by pressing the TEST button. For example, to verify the possible successful future use of a modem in the timing equipment. If GPRS connection is OK the red led will shortly turn on with a beep.

To mark a waypoint, both in the high resolution log and on the tracking server, press WP button. Best is doing that when stopped. That position will then be available in the file for map editing.

On the top of the device additional info about the tracker module only, are available.

GPS led is flashing slowly = no GPS fix

GPS led is fix = GPS is valid

Power led turns shortly on after switch on. Normally off

GSM led is flashing very fast = GSM not available or sim not registered yet

GSM led is flashing slowly = GSM is connected

GSM led is flashing very slowly = GPRS connected

For the normal use, refer to the leds on the front side only.

How to process the data?

The collected high resolution data are available in the internal memory of the logger and can be downloaded to a PC using the USB cable connected to the LOG port, using the Sporttraxx MTK downloader software.

The test drive can be followed live on the dedicated Sporttraxx tracking link.

The data transmitted by the tracker are stored on the Sporttraxx server and can be processed later using the Sporttraxx Trackanalysis link.

Refer to separate software instructions.

