TAO Performance - EMS quick setup guide

Please read the installation & user manual for detailed instructions and safety procedures

IMPORTANT

The TAO EMS is a precision measuring instrument. It is critical for the safety of your installation. Improper connections can lead to the destruction of the battery, fire or explosion:

- It must be handled with care
- It must be installed by a qualified electrician following proper design and safety practices for electrical systems
- The fuses must be removed before installation and for any intervention on the EMS

Basic installation steps

1. From the TAO Performance website (www.tao-perf.com) download :
   - the installation and user manual
   - the EMS configuration application for your PC operating system (Windows or Apple)

2. Install the EMS configuration application on your PC

3. Position and attach the EMS on a bulkhead so that the battery cable can reach the battery cells

4. Install the LED panel at a suitable place and connect to the EMS with the 10 meter cable that is provided

5. Make sure the EMS is switched "OFF" (switch in the "O" position) and the fuses are not in place

6. Connect the wires from the fuse box to the battery cells following the color code:

black	battery negative / negative cell 1	(0 volt)
blue	positive cell 1	(3.1 – 3.4 volt)
green	positive cell 2	(6.2 – 6.8 volt)
yellow	positive cell 3	(9.4 – 10.2 volt)
red	battery positive / positive cell 4	(12.6 - 13.6 volt)

7. With a multi-meter check the voltages between the battery negative and each fuse socket (it must correspond to the voltages listed above)

8. Insert the 5A fuses in their sockets - VERY IMPORTANT => must be done in the following order:
   1) blue; 2) green; 3) yellow; 4) red

9. Switch the EMS "ON" (switch in the "I" position) – if an alarm is triggered, press on the "Silence" button on the LED panel

10. Connect a computer to the EMS with the supplied USB cord

11. On your computer, start the EMS configuration application (EMSconfig) - refer to the user manual to learn about application usage and EMS configuration