



OSD Pro Overview - Basic Steps for setting up your OSD Pro
Document Version 1.3

Note: this document is provided to give a "quick overview" of how easy it is to set up the OSD Pro with basic functionality. It's important to read the OSD Pro and eLogger instruction manuals for important warnings and other information.

- 1) Connect the OSD Pro, GPS, and eLogger pieces together, as shown at right. The OSD Pro connects to the "LCD/TX" port of the eLogger, and the GPS connects to the "GPS" port of the eLogger.
2) If your OSD Pro kit includes the eLogger V4: If you are powering your OSD Pro system with a battery pack greater than 4S (about 16V), the included throttle monitoring Y cable needs to be connected between the "Throttle" input of the eLogger V4, and any receiver channel, to provide backup power to the eLogger V4.

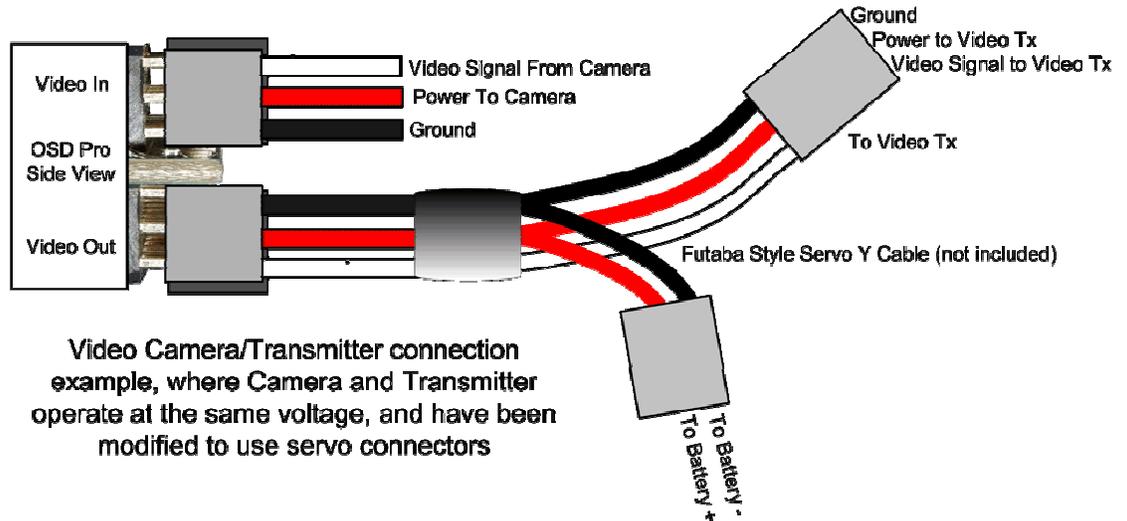
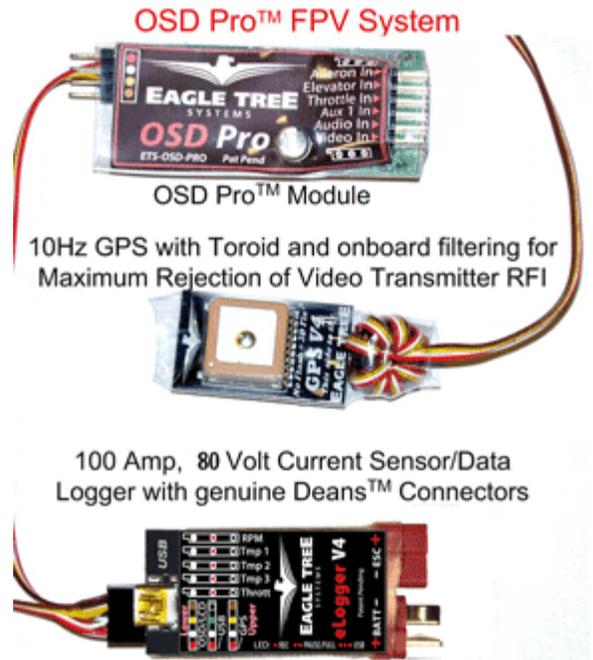
If your OSD Pro includes the eLogger V3: If you are powering your OSD Pro system with a battery pack greater than 3S, OR you will not be connecting any of the servo inputs of the OSD Pro to your receiver, the battery backup harness (included with your kit) needs to be connected between the USB port of the eLogger, and a spare receiver channel. See the eLogger manual for more information.

- 3) Connect your video camera and Video Transmitter to the OSD Pro. This is the hardest part to do with any OSD, since cameras and transmitters have nonstandard connectors. Our FPV dealers often supply complete packages with custom hookups for the supplied camera/Tx. The below shows one way to wire it. Also, note that there are many user supplied wiring diagrams for the osd Pro online at http://www.rcgroups.com/forums/showthread.php?t=1286603

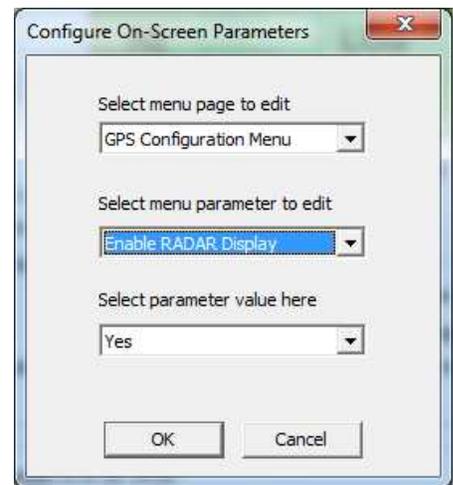
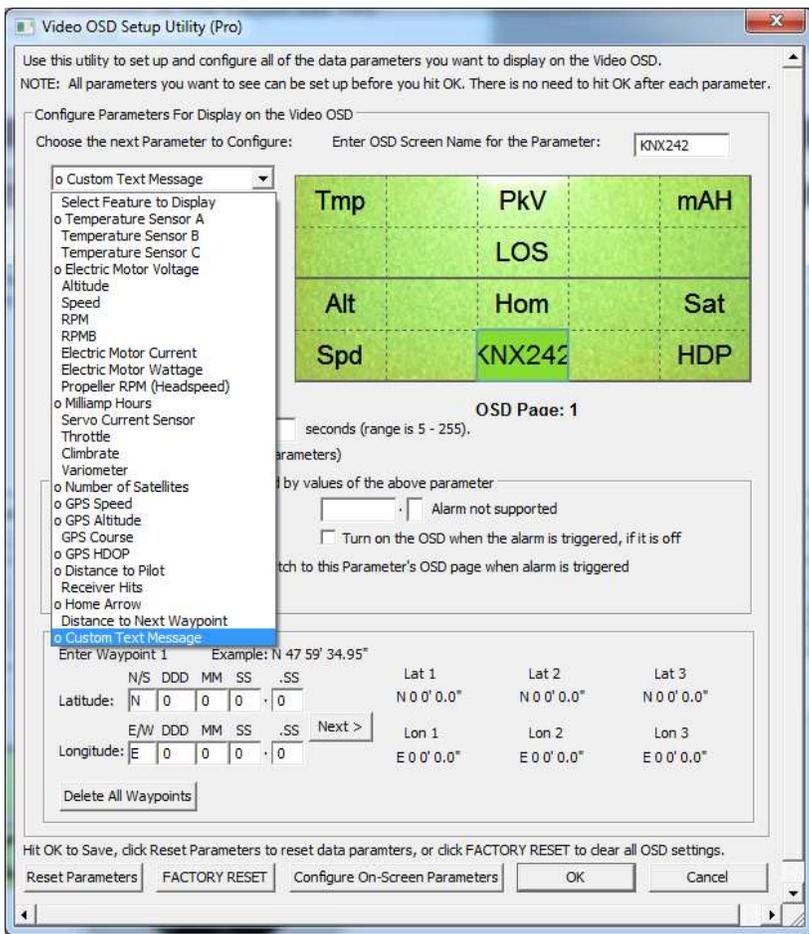
- 4) Install the software from the included CD or from the web, and connect the eLogger to the PC with the included USB cable. If prompted, update the OSD Pro to the latest firmware version, by clicking the "Update Firmware" button.

- 5) Click "Hardware, Configure OSD" and the page shown below appears. Select the text parameters you want to display from the dropdown box, and drag them to where you want them on the simulated screen, renaming the text if desired.

In my case below, I have configured Temperature, Pack Voltage, mA, GPS altitude and speed, distance to home, GPS satellites in view, call sign, and GPS HDOP. I also want to use the RADAR "synthetic map" feature, which shows me where I am (and the direction I'm pointing) in relation to home. And, I want the graphical compass and graphical battery. These are all configured on the same software page.



Video Camera/Transmitter connection example, where Camera and Transmitter operate at the same voltage, and have been modified to use servo connectors



6) Click OK. The below display appears on the OSD Pro. You're done!

Now, there are lots of features that you are NOT using, which are there for later when you need them (some requiring additional sensors). These are all described in the OSD Pro manual. Here's a partial list:

- Programmable alarms for most parameters,
- Flight Timer
- Voice alerts, including voice readback when alarms are triggered
- Antenna Tracking, Diversity, and live telemetry with our EagleEyes ground station
- Waypoints
- Acoustic Variometer
- Full on-board data logging, with graphing and Google Earth display built into our software.
- "F16 HUD" ladder display
- Support for numerous optional sensors, including barometric altitude, airspeed, RPM, multiple temperatures, etc.
- Full "Return to Home" support
- Built in Flight Simulator for testing Return to Home and other configurations
- Monitoring of up to 3 battery packs
- RSSI
- Artificial Horizon display

