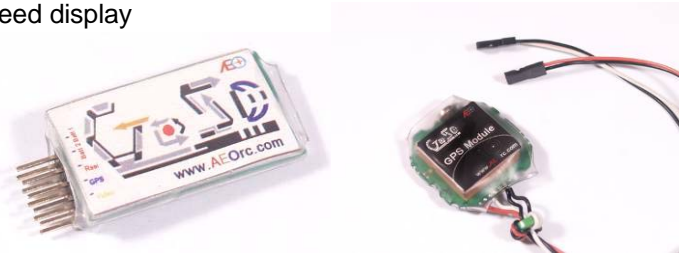


AEO G-OSD User Instruction Manual

Product Introduction:

Welcome to use AEO GPS-OSD, which is specially designed for micro electric-powered plane with following features:

- GPS coordinate display, time display, airspeed display
- voltmeter and stopwatch
- RSSI receiver signal strength detection
- Programming the display content
- Support NTSC and PAL TV signal
- Support anti-glare shade control signal
- Support manual calibration



1. Hardware Specification:

Weight: main board 4.6g GPS module 22g
 Size: main board 34mm*20mm*4mm GPS Module 35mm*35mm*5mm
 Working Voltage: G-OSD 7.4V-12V GPS Module 5V

2. Connection & Button Introduction:

2.1 BATT1—Power Supply Port:

G-OSD power supply port, commonly parallel with power battery.

2.2 BATT2—Auxiliary Equipment Voltage Detection Port (Auxiliary) :

Detect the equipment voltage connected to this port, and used to measure auxiliary equipment voltage.

2.3 RSSI—Receiver Signal Strength Detection

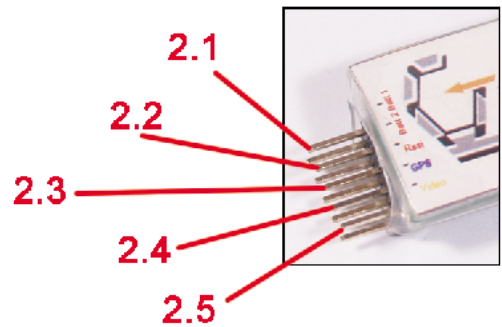
Detect the signal strength pin voltage value on RC receiver signal decode chip, the user can know the RC receiver wireless signal strength from RC transmitter by this voltage value.

2.4 GPS—Global Position System Module Port

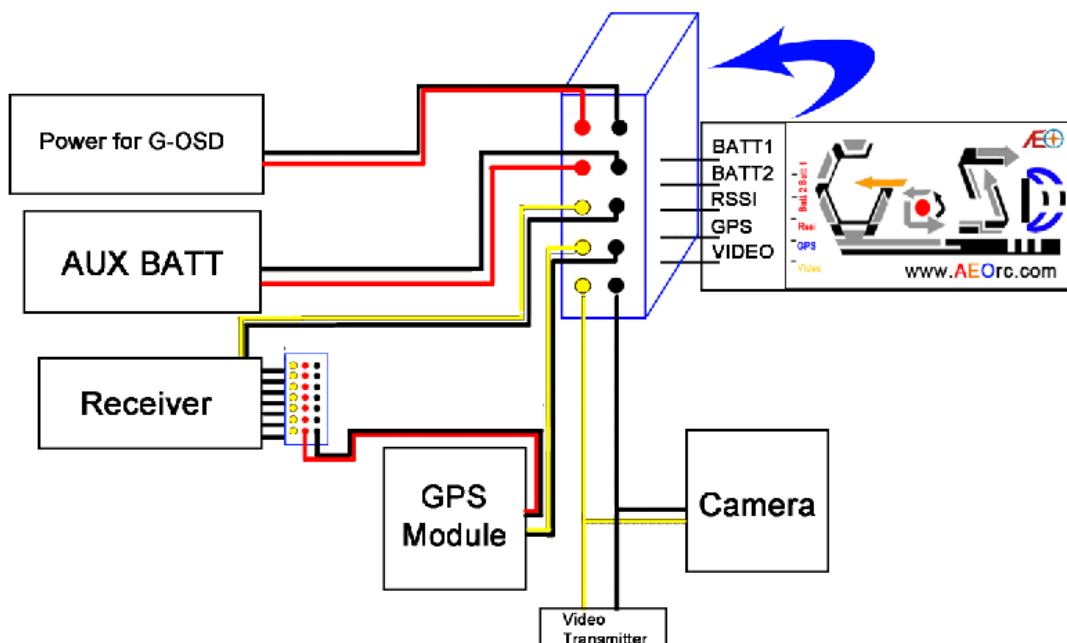
Connect the GPS module for positioning, measure the speed and time.

2.5 Video—Video Overlay Port:

Be responsible for outputting the overlaid video signal to video port equipment.

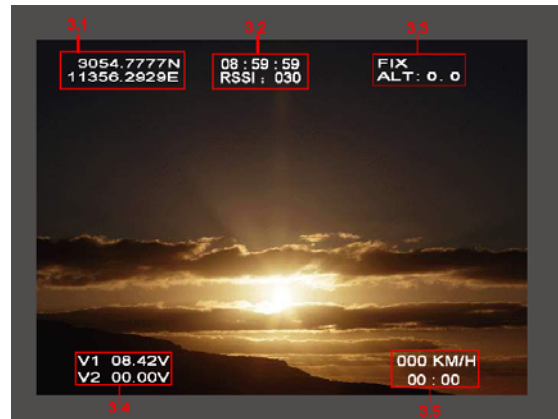


Suggested Connection Picture:



3. Interface Introduction:

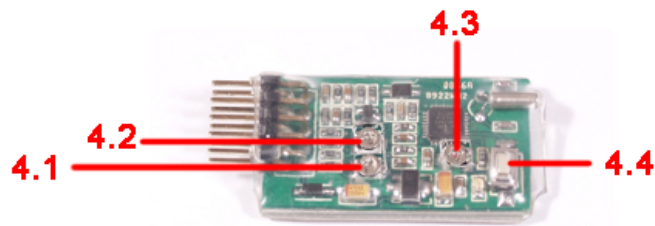
- 3.1 GPS coordinate display.
- 3.2 Local time and receiver signal strength detection.
- 3.3 GPS signal lock (IND: unlocked/FIX: locked) and GPS module altitude at current position.
- 3.4 V1:G-OSD power voltage display, V2: auxiliary equipment voltage detection display.
- 3.5 Airspeed (KM/H) and stopwatch display. (British system version is British system displaying)



4. Manual Calibration Setting:

There are three buttons and a switch at the back of the G-OSD, the functions respectively as follows:

- 4.1 Manually calibrate the BATT1 voltage value.
- 4.2 Manually calibrate the BATT2 voltage value.
- 4.3 Manually calibrate the RSSI displaying value.
- 4.4 Calibrate the OSD value displaying interface.



We suggest using high-precision voltmeter while manually calibrate the voltage.

Time Zone option mode: Press the button show in above picture 4.4 in the condition of normal connection and blackout, then will come into the time zone option mode.

000--023 is the 24 time zones, respectively stands for Prime Meridian—East 12 zone—West 11 zone – West 1 zone--- Prime Meridian .

The increase of value stands for increasing zone to East, for example in the below picture the “008” stands for East 8 zone Beijing time.”019” stands for West 5 zone New York time.



5. Attention:

- 5.1 The time of locking GPS position relates to signal strength, generally needs about one minute, meantime must sure there’s no signal interference surroundings.
- 5.2 This OSD is specially designed for micro electric-powered plane, cannot change to any other usage.
- 5.3 Please use this product within reliable distance, do not let the plane beyond the view distance.
- 5.4 Please operate the plane at open and no man’s land.
- 5.5 Please supply the power in strict accordance with safe power voltage, and use the low-noise, reliable power module or battery system.
- 5.6 Please do not arbitrarily maintain, rebuild, detect or upgrade this product.
- 5.7 Please do not let the children play this product, or put the product into the mouth.
- 5.8 Forbid to use this product at gas station and other places where definitely regulate no use for wireless signal.