

EASY OSD V1.0 Manual

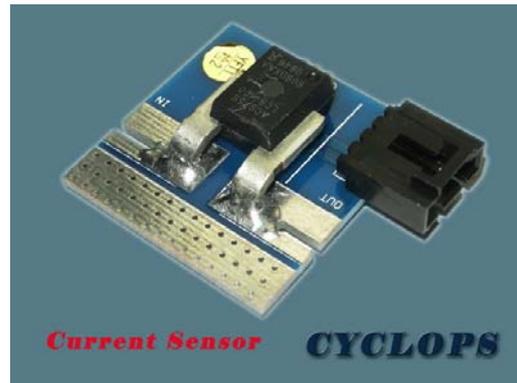
Thank you for choosing CYCLOPS EASY OSD

Feature: Easy OSD is featured in small dimension, light weight and plug & play. This OSD is fully automatic without any manual setup; it adapts to 5 or 10 Hz GPS as well as PAL and NTSC video signal input. RSSI (receiver signal strength identification) is also realized on this tiny OSD.

Hardware



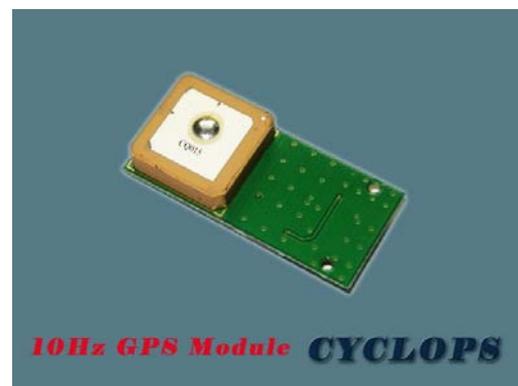
EASY OSD Main board (18g, 43X30X8mm)



Current sensor (30V, 50A) (11g)

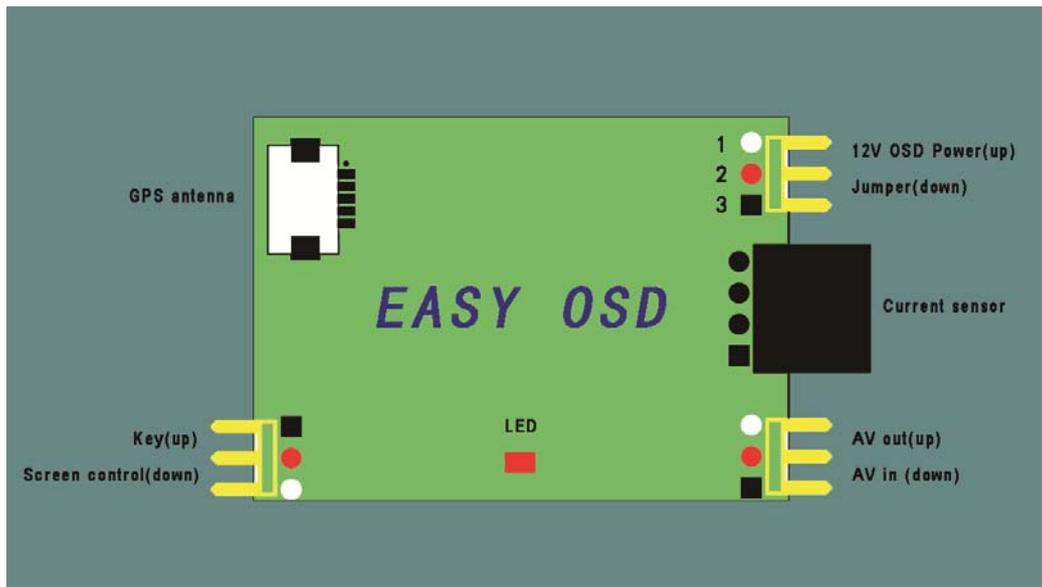


5HZ GPS (9.5g)

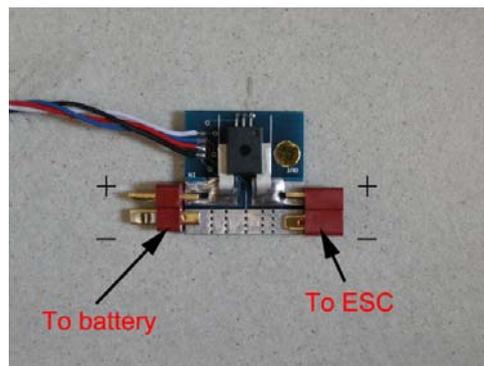


10HZ GPS (9.5g)

Connection diagram



Power jumper: connect 1 and 2 to power up OSD and wireless video equipments with additional 12V power supply; connect 2 and 3 to power up OSD and wireless video equipments with plane's 3S (11.1V) power battery.



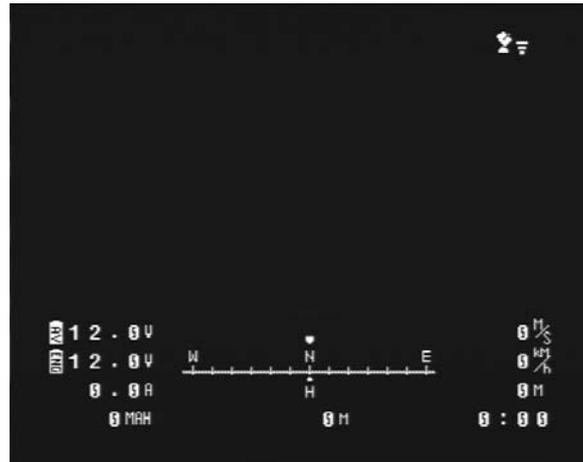
Current sensor connection diagram

User guide

Connect the equipments as above, power it on, and OSD shows start-up screen as below:

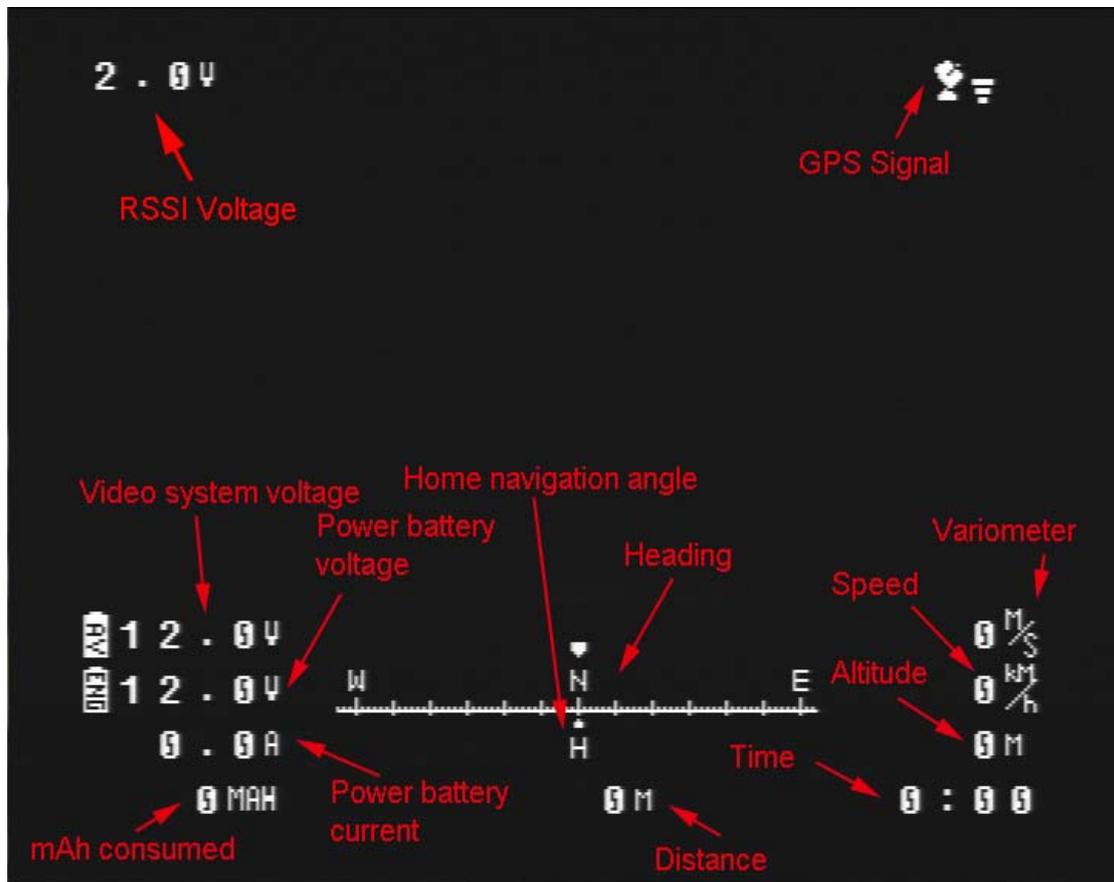


After several seconds:



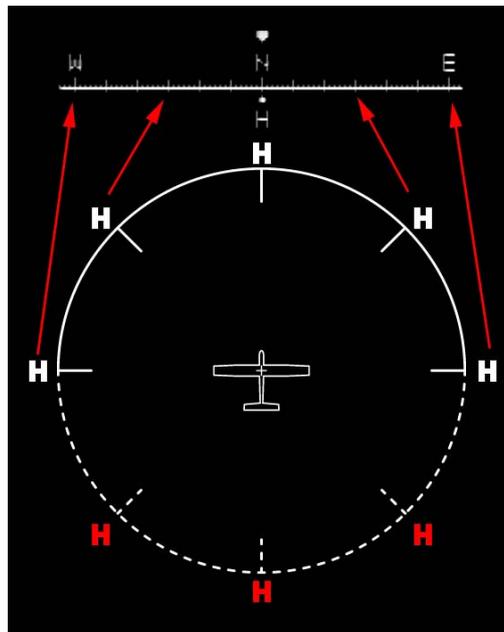
As GPS beginning to search satellites, the satellite number is indicated by the GPS strength icon on the upper right corner. A flashing icon indicates weak or unreliable GPS strength and take-off in this situation is not recommended. (with good GPS signal, the satellite searching would last 1-5 minutes depending on different circumstances). The status LED on the main board will begin to flash after enough and reliable GPS signal is maintained; meanwhile, the OSD timer starts to count, which refreshes at the same frequency of GPS (5HZ, 10HZ).

Note: EASY OSD detects the working frequency of GPS and automatically matches it at start-up.



Important Considerations

1. Before taking off, in case the readings are not correct, press reset button to reset all parameters. (This operation will reset altitude, distance, timer, current and mAh consumed).
2. When OSD detect 0 voltage on the power battery, it will not display voltage, current and mAh consumed of power battery.
3. Return to Home:
The “H” on the screen indicates “Home”, when the home is in front of the plane, H will not flash; when home is behind the plane, H will flash; When H is in the middle and not flash, it indicates the plane is heading directly to home; When the H is in the middle and flash, it indicates the plane is flying 180 degree away from home;
How to return to home: when H is on the left, turn left; when the h is on the right, then turn right.
4. Easy OSD will automatically detect video signal input and support both PAL and NSTC signal.
5. EASY OSD heats up during working, which is normal.



Additional function

RSSI voltage display

EASY OSD can display RSSI voltage

RSSI voltage measuring range: 0.1—3.3V, when this voltage is below 0.1v, OSD will not display this parameter.

How to use:

Soldering two wires as indicated below to the RSSI port on the receiver. In case the OSD display switching cable is already connected with the receiver, only connect a RSSI voltage wire to the OSD, duplicated ground cable is not necessary.

