

Satpro Display

Display

Table of Content:

- [Leds.](#)
- [Display.](#)
 - [Initial Screen, Calibration.](#)
 - Secondary Screen, Main:
 - [Radio System \(Upper Block\).](#)
 - [GPS information and others \(Central Block\).](#)
 - [Motors information and others \(Lower Block\).](#)

On the back of SATPRO it has a 1.5" TFT IPS color display to show some parameters of the radio, GPS and the status of the system in general, it also has a button encoder to navigate through the menu or modify parameters (Available later).

Some of the SATPRO information is shown on the GCSD5 displays, since SATPRO can be far from the pilot.

Note on SATPRO LEDs using WMX481: If you are using WMX481 it is completely normal that the SATPRO "Link" and "RF" LEDs don't light up. Previously, the SATPRO used internal RF modules so these LEDs would light up, but in current models that use the external RF module "WMX481", they no longer light up. However, the LEDs on the WMX481 module should light up.

Leds

Link TX1: It is activated when it has a link with a main receiver XLRS module.

RF TX1: It is activated when the TX module is transmitting.

Link TX2: It is activated when it has a link with a secondary receiver XLR5 module.

RF TX2: RF transmission secondary radio module. It is activated when the TX module is transmitting.

Wifi: Activates when Wi-Fi module is on.

Fan: The two internal fans are activated when the temperature exceeds 25° degrees celsius by default.

Heater: It is activated when the temperature drops to 5° degrees celsius by default.

Internal Battery: It is activated when the local battery is connected and working with SATPRO.

External Battery: It is activated when the external battery is connected and working with SATPRO.

Display

Initial Screen, Calibration:

(In Construction)

Secondary Screen, Main:

Is divided into three blocks with horizontal lines.

Radio System (Upper Block)

RSSI RX Received packets in graph.

RSSI TX Received Packets in graph.

40pS: Quantity of valid packets per second of Radio Control and Data received in the receiver

-24dBm: RF signal quantity (RSSI) received by the Receiver of Radio Control and Radio Modem. **GPS information and others (Central block)**

LA: GPS Latitude coordinates.

LO: Longitude GPS coordinates.

Di: Current distance of the UAV.

Al: Current height of the UAV.

27°C: Current internal temperature in degrees celsius of SATPRO.

Ho: Relative height of Home. **Motors Information and others (Lower Block)**

X: Motor steps X.

Y: Motor steps Y.

GX: Current X degrees | **GX (Violet):** Target X degrees.

GY: Current Y degrees | **GY (Violet):** Target Y degrees.

0:02:08 Time: Shows the working time since SATPRO was turned on. If the SATPRO is started again, the timer will be started again and will be reset to 0.

14.6V: Current voltage.