



Electrics Eagles Transmit/Receive Protocol.

Protocol String example:

STP_<LENGHT>Gyro_x,Gyro_y;Gyro_z;acc_x;acc_y;acc_z;p;i;d;roll_correction;baro_alt;GPS_Long;GPS_Lant;GPS_Sats;GPS_Correction_Roll;GPS_Correction_Pitch;Utrasonics Distance ;Ulaconics Correction;CH1;CH2;CH3;CH4;Battary Voltage;Soft_Info_ETP

STP -start transmit package/ETP- end transmit package.

Gyro_x- Raw gyro x value.

Gyro_y- Raw gyro y value.

Gyro_z- Raw gyro z value.

acc_x- Raw accelerometer x value.

acc_y- Raw accelerometer x value.

acc_z- Raw accelerometer x value.

p - p setting now.

i - i setting now.

d - d setting now.

roll_correction-angle_roll in code.

pitch_correction-angle_pitch in code.

baro_alt- altitiude from baro .

GPS_Long - GPS longitude.

GPS_Lat - GPS latitude.

GPS_Sats -GPS Satelites.

GPS_Correction_Roll- gps error (in code gps_roll_adjust).

GPS_Correction_Pitch- gps error (in code gps_roll_pitch).

Utrasonics Distance - distance ro ground by ultrasoncis.

Ulaconics Correction - correction to ultrasonics. (in code total_correction)

CH1 -raw channel 1 data.

CH2 -raw channel 2 data.

CH3 -raw channel 3 data.

CH4 -raw channel 4 data.

Battary Voltage - on board battary voltage.

Soft_Info - features status. (*! not used now*!).

Usage example:

STP_<72>0;-1;3;5;0;0;1.7;0;3;34;1,3;51.000005;1.1686532;5;2;-20;24 ;120;1400;0;1400;0; 12.34;-_ETP