FY-41AP Autopilot Fix-wing Firmware V1.25 Update Explanation

Firmware Update explanation
V1.25   2014.9.26
1.   Fix the problem which under some conditions the cruise throttle display more than 100%.   2.   Improve the performace of the airspeed sensor on the throttle control.
V1.24   2014.8.25
1.   Increase a batteries voltage corrected value which can calibrate the display of batteries voltage when   cooperate with GCS5.11 For 41.   2. Change the compute method of power consumption, power measurement will more accurate.
V1.23   2014.3.17
1.   Adjusted the course information display on the OSD and the GCS when the aircraft on the ground.   2   Adjusted the throttle control when using the airspeed sensor..   3. Adjusted the attitude horizon data of OSD display , make attitude horizon display more smoothly.
V1.22   2014.3.3
1.   Cooperate with the firmware FY-41-OSD-V1.22a, fixed some display characters problem.
V1.21   2013.12.23
1.   If you upgrade to this version ,you need to upgrade the OSD display part to the FY-41AP-OSD V1.21.   2.   Adjusted to the content of the OSD display.
V1.20   2013.12.19
1.   Fixed the problem with the attitude calculation that magnetic interference will affect the attitude calculation.   2.   Optimize the stabilization control for navigation.   3.   Increase the operation of recording the servo neutral and the neutral attitude on the ground. If you want to do this recording operation, you need to according to the following steps to complete.   （1）Plane stay on the ground, adjust the plane to the level flying attitude, remember the plane keep static.   （2）Use the remote control fine-tuning adjust the rudder surface to leveling under the RC

mode.

（3）Switch from ABM mode to RC mode 8 times, it can finishes the record operation and save the parameter forever automatic. The LED light from white to green,also the aileron have a tilt action and then go back to level, this will prompt the record is success.

4. Optimize the use of UBLOX GPS.

5. Improved the climbing throttle which control by altitude and the speed, avoid the possible which underspeed in climbing.

6. Adjust the protection control when the GPS speed is too low.

7. In the navigation mode, the remote control rocker can not control the plane any more(Except Fixed altitude & Heading lock mode).

8. Protection altitude of Auto Return To Launch Mode have been set to 50m.

9. Auto Return to home,if the altitude more than 100 m,the plane will descend to 100m automatic.

V1.16   2013.11.5

1. Only when cooperate with FY-41-OSD-V1.13 firmware , You can use the OSD parameters adjustment interface to set parameters correctly. So when upgrade this firmware, you should upgrade the OSD display part to FY-41-OSD-V1.13 firmware at the same time.

2. Cooperate with FY-41-OSD-V1.13 firmware, increased airspeed calibrate configuration items in the OSD parameters adjustment interface .

3. This firmware have adjusted for matching the GCS 5.0 or above version. All internal control parameters of the FY-41AP can be adjust via the GCS 5.0 or above version. No longer need to use the DOS parameters setting software, also FY-DOS-SETTING V1.1 software cannot be used in FY-41-V1.16 firmware.

V1.15   2013.8.1

1. Airspeed sensors added a correction, you can manually adjust this value to approach true flight speed.(Need GCS 2D software V4.12 and above to support).

2. Airspeed sensor correction default value change to 180.If the airspeed measurement value is large,please decrease the airspeed benchmark (each time decrease 10 until the parameter is suitable).If the airspeed measurement value is lower,please increase the airspeed benchmark (each time increase 10 until the parameter is suitable).

V1.14   2013.6.25

1. Under the data radia control mode,if lost remote control signal for five seconds will automatically return to home.

2. Adjust FY-41AP telemetry data mode to consist with Panda2,now FY-41AP can use GCS 2D 4.1.

3. Fixed a few program structure.

V1.13   2013.5.28

1. Airspeed calculation method has been adjusted.

2. Added support for new airspeed meter.

V1.12   2013.5.15

1. Add the Data Radio control mode ch7 ch8 direct channel output.

2. Improved the height control.

V1.11 2013.5.9

1. Added support for UBLOX GPS.

2. Cancelled the original TX port of GPS will output overlay data of OSD function.

V1.10 2013.4.26

1. Improved attitude and fusion algorithm and improves the stability and the ability to resist vibration.

2. Improved navigation algorithm and improves the performance of navigation flight.

3. Auto stabilization control quantity will according to the airspeed adaptively adjust.

4. Airspeed speed control have been adjusted.

5. Attitude Angle of turning and turning rate have more stringent protection treatment.

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