

**New Era of The RC Helicopter!**



**Programmable**

**3G**

**Lightweight!**

**Agile!**

**Precise!**

**Flybarless System**

## **ALIGN FL-760 3G Flybarless System Setup Q&A Tip Sheet**

**Q:** When setting up the aileron reversal the manual on page 15 says to reverse use the elevator stick to change it and I am trying that but its not reversing.

**A:** That is a typo in the manual. To reverse the aileron you will need to use the aileron stick instead.

**Q:** I have a Futaba radio and another flybarless system. When I setup the other system I used H-1 (pure, like for a non-ccpm helicopter) swash setting for the other system. What swash setting do I use for the FL 760?

**A:** That step was left out of the manual. When setting up your radio use 120 degree ccpm NOT PURE like other systems use. On the Futaba radio this is HR3 (not H-3).

**Q:** When I am in DIR mode the swash moves level up and down no problem. But when I change the gyro into flight mode it does not move up and down in a level fashion. It is tilting from front to back. Is this normal?

**A:** NO THIS IS NOT NORMAL. DO NOT FLY. This is usually because the swash mode is incorrect. Please verify that you are in the correct swash mode, 120 degree CCPM

**Q:** While heli sitting static on the ground, moving pitch all the way down cause swashplate to tilt back slightly.

**Q:** While heli sitting static on the ground, moving cyclic stick fwd/aft/left/right and then back to neutral, swashplate slowly return to neutral position.

**A:** This is normal behavior. Does not affect flight conditions.

**Q:** I noticed swashplate tilts slightly at extreme pitch due to servo interactions, should I make efforts to level it out?

**A:** No. Level the swashplate at 0 degrees using subtrims ONLY in DIR setup mode. End point swashplate interactions are automatically compensated by the 3G system while in flight.

**Q:** I want to trim the heli differently for different flight conditions.

**A:** After initial DIR setup is complete, the trim tabs on your TX can be used to trim the heli. Use your TX's flight condition functions to have multiple trim settings. Do not adjust the subtrim unless you are in the DIR setup mode!

**Q:** What adjustments can I make on the transmitter after the DIR setup has been completed?

**A:** You can adjust the trim tabs, dual rates, exponential, collective pitch, and ail/elev swash AFR (for roll rate). Again do NOT adjust the subtrims unless followed by repeating of DIR setup steps.

**Q:** During step 5 of DIR setup mode, only aileron swash mixing was mentioned. Should I set elevator swash mixing as well?

**A:** No. The 3G system automatically calculates a cyclic ring based on the aileron swash mix percentage. Setting of elevator swash mix has no affect on the 3G system.

**Q:** I tried 2-3 different servos on the rudder and in FLIGHT mode it kicks randomly. Its in DS 760 mode...verified 2-3 times. Works fine in DIR mode

**A:** It is regular. Signal by 3G system.