DUALSKY FC130 3 axis gyro for airplane instruction manual

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ADVANCED POWER SYSTEMS

* The basic setting method is the same as FC430 Flight Control Unit.
* Before install FC130, please test fly your airplane, make sure all channel directions and trims are set to the correct position.
* It's necessary to go through the Calibration process before the first flight. Otherwise, FC130 cannot work properly.
* You need to redo the Calibration process everytime after you adjusted the trim or channel directions.

· **How to enter Setting Mode:** Turn on radio controller, then turn on power to the airplane, wait until the L1 LED finishes flashing Green; long press the "SET" button (More than 2 second) on the flight control unit to enter Setting Mode. After you enter Setting Mode, L1 displays the corresponding SETTING ITEM menu attributes (color), and L2 displays the corresponding SETTING VALUE menu attribute (color).

"SET" Button usage:
1) Long Press (more than 2 sec): enter Setting Mode
2) Single Click under Setting Mode: switch between SETTING ITEM
3) Double Click (finish within 0.5 sec) under Setting Mode: change SETTING VALUE
4) Long Press (more than 2 sec) under Setting Mode: Save and Quit Setting Mode
· **Please check the below chart for all settings.**

Port Mapping

		PIN Location		
---	---	TOP	MIDDLE	BOTTOM
OUTPUT	AIL1	Aileron	VDD	GND
	ELE	Elevator	VDD	GND
	RUD	Rudder	VDD	GND
	AIL2	Aileron 2	VDD	GND
INPUT	SW	Switch	VDD	GND
	AIL1	Aileron	VDD	GND
	E/R/A2	Elevator	Rudder	Aileron 2
	SYS	SYS	VDD	GND

* VDD is negative lead. * GND is positive lead.

ITEM		VALUE						
LED1		**LED2**						
		Blue	Green	Red	Yellow	Purple	Cyan	White
1 Blue	**Calibration of neutral position, stick travel and channel direction**	Double click "SET" button, LED2 will flashing Blue and start to determine neutral position	Aileron Stick push to Left	Aileron Stick push to Right	Elevator Stick push to Bottom (Elevator UP)	Elevator Stick push to Top (Elevator DOWN)	Rudder Stick push to Left	Rudder Stick push to Right
2 Green	**Flying Mode**	**Normal Stability** Aileron - normal Elevator - normal Rudder - normal	**Advanced Stability** Aileron - heading locked Elevator - heading locked Rudder - normal	**3D Stability** Aileron - heading locked Elevator - heading locked Rudder - heading locked				

If receiver doesn't connect to Mode channel, FC130 will work under the mode as you set in "Flying Mode" here.

If receiver connect to Mode channel:
when the switch is at lowest position, FC130 won't work;
when the switch is at middle position, FC130 will work as Normal Stability
when the switch is at highest position, FC130 will work under the mode you as set in "Flying Mode" here.

Low → L2 💡 Blue (0.5S)   **Middle** → L2 💡 Green (0.5S)   **High** → L2 💡 Red (0.5S)

3 Red	**D/R**	360dps	540dps	720dps				
4 Yellow	**Airplane Type**	Normal	Fly Wing	V-tail				
5 Purple	**Install Direction**	Front Face Upward	Back Face Upward	Front Face to Left	Front Face to Right			
6 Cyan	**Servo PWM Freq.**	50HZ	120HZ	200HZ				
7 White	**Factory Reset**	Double Click to Reset						

· **Some settings will take effect after the airplane is restarted. Cut the power to the airplane and reconnect after 5 seconds to apply the new settings.**