

7- 8-CHANNEL SETUP

2 Aileron Channels, 2 Elevator Channels, 2 Rudder Channels, Optional D/R Switch(s)/Flight Modes, Optional Retracts

This example identifies the steps necessary to program an 7- 8-channel setup where the ailerons are controlled by 2 separate channels, Elevators are controlled by 2 channels, Rudder is controlled by 2 channels, Dual Rates/Exponential curves are controlled either by individual switches for Aileron, Elevator and Rudder, or via a single Flight Mode switch. It may optionally be equipped with retractable landing gear as the 7th or 8th channel.

RECEIVER CONNECTIONS

<u>RX CHANNEL</u>	<u>SERVO</u>
1 Throttle	Throttle
2 Aileron	Right Aileron
3 Elevator	Right Elevator
4 Rudder	Right Rudder Servo
5 Gear (if equipped)	Retract (or 2 retract servos connected via "Y" harness)
6 Flap (AUX1)	Left Aileron
7 AUX2	Left Rudder Servo
8 AUX3	Left Elevator

1. Select a Model Memory using **Model SEL** in the SYSTEM Menu.
2. Reset the Model Memory using **MDL Reset** in the SYSTEM Menu.
3. Enter a Model Name using **MDL Name** in the SYSTEM Menu.
4. Set the Modulation Type to match the receiver using **MODULAT** in the SYSTEM Menu.
5. Inhibit the **Flap TRIM** and the **Flap channel** in the **Devic.SEL** function of the SYSTEM Menu.
6. Inhibit AUX2 in the **Devic.SEL** function to make it available for a 2nd Rudder channel.
7. Inhibit AUX3 in **Devic.SEL** to make it available for a 2nd Elevator channel.
8. Access **Wing Type** in the Function List and set the wing type to **FLAPERON**.
9. Access **Wing Type** in the Function List and assign AUX2 as a Dual Rudder channel.
10. Access **Wing Type** in the Function List and assign AUX3 as a Dual Elevator channel.
11. Plug servos into the RX and check servo directions. Reverse servos as may be necessary using **REV.SW** in the Function List.
12. Install servo arms so they are 90 degrees to their linkages. Use **Sub Trim** in the Function List to fine-tune the arms so they are 90 degrees to the linkages.
13. Adjust travel of each servo in both directions using **TRVL ADJ.** In the Function List.
14. If Dual Rates are to be combined on 1 switch or there is a need to group other functions together, access **Devic.SEL** and activate Flight Modes. Also set Dual Rates to **FM** in the same function.
15. Set up Dual Rate and Exponential curves using **D/R & EXP** in the Function List.
16. If throttle response is not linear, set up a throttle curve using **THRO CURV** in the Function List.
17. If Aileron Differential is required, access **AIL DIFF.** In the Function List and set values.
18. If Elevator to Flap mixing is desired for tight loops, access **ELE→FLP M** in the Function List and set throws.
14. Set up a count down timer using **TIMER** to help prevent running out of fuel while flying.
15. After test flying and fine-tuning the programming, use **COPY** in the **Model SEL** function contained in the SYSTEM Menu to make a backup copy of the program.