7-8-CHANNEL SETUP

2 Aileron Channels, Separate Flaps (1 or 2 channels), Optional D/R Switch/Flight Mode Switch, Optional Retracts

This example identifies the steps necessary to program a 7-8-channel setup where the ailerons are controlled by 2 separate channels, Flaps are controlled by 1 or 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

<table>
<thead>
<tr>
<th>RX CHANNEL</th>
<th>SERVO</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Throttle</td>
<td>Throttle</td>
</tr>
<tr>
<td>2 Aileron</td>
<td>Right Aileron</td>
</tr>
<tr>
<td>3 Elevator</td>
<td>Elevator</td>
</tr>
<tr>
<td>4 Rudder</td>
<td>Rudder</td>
</tr>
<tr>
<td>5 Gear (if equipped)</td>
<td>Retract (or 2 retract servos connected via &quot;Y&quot; harness)</td>
</tr>
<tr>
<td>6 Flap (AUX1)</td>
<td>Right Flap (or 2 flap servos connected via &quot;Y&quot; harness)</td>
</tr>
<tr>
<td>7 AUX2</td>
<td>Left Aileron</td>
</tr>
<tr>
<td>8 AUX3</td>
<td>Left Flap (if 2 flap channels are used instead of a &quot;Y&quot;)</td>
</tr>
</tbody>
</table>

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 in the Devic.SEL function of the SYSTEM Menu.
6. Inhibit AUX2 in the Devic.SEL function to make it available for a 2nd aileron channel.
7. If 2 servos/channels are to be used for Flaps, inhibit AUX3 in Devic.SEL to make it available for a 2nd flap channel.
8. In the Devic. SEL Menu, set the OUT line for FLAP to SYS. This will cause the FLAP SYS function to appear in the Function List.
9. Access Wing Type in the Function List and assign AUX2 as a Dual Channel for ailerons.
10. If 2 channels/servos are to be used for Flaps, access Wing Type in the Function List and assign AUX3 as a Dual channel for Flaps.
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 the linkage. 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. Access the Devic.SEL function in the SYSTEM Menu and Activate Flight Modes. Also set TRIM to FM in the same function to allow each Flight Mode to have its own set of trims in the event that lowering flaps causes a change in aileron trim. Each Flight Mode will have its own set of trims.
15. If Dual Rates are to be combined on 1 switch, set Dual Rates to FM in Devic.SEL.
17. Set up Dual Rate and Exponential curves using D/R & EXP in the Function List.
18. If throttle response is not linear, set up a throttle curve using THRO CURV in the Function List.
19. If Aileron Differential is required, access AIL DIFF. In the Function List and set values.
20. If Elevator to Flap mixing is desired for tight loops, access ELE->FLP M in the Function List and set throws.
21. Set up a countdown timer using TIMER to help prevent running out of fuel while flying.
22. 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.