SD-10G AERO

Procedure to obtain 3-Position Switch operated FLAPERONS, using FLIGHT MODES, with SD-10G to provide Delay on Down FLAPERON and FLAPS with Elevator Compensation. FLAPERON output is on Channels #2 (LA) and #6 (RA). Flap output is on channels #7 (LF) and #8 (RF).

Select **SYSTEM** using the Navigation Pad. Press **ENTER**.
Scroll Down using the Navigation Pad to **TYPE**. Press **ENTER.**
Use the Navigation Pad and YES/+ key to make the display read:

TYPE	**AERO**	
WING	>NORMAL	
AILERON	>2	
FLAP	>2	
TAIL	>NORMAL	
THROTTLE	>1	

Press **ENTER** and then the **END** key.

Scroll to **SWITCH ASSIG**N **(#13)**. Press **ENTER.**
Assign the following switches using the YES/+ and NO/- keys.
      F-MODE >1 >11 >or >- -
      F-MODE >1 >10 >or >- -

Scroll down to **FLAP 1** and set it to **>11 >or >- -**
      Set **FLAP 2 to >10 >or >- -**

Scroll down to **FL >EL.** Set it to **>11 >or >10**

Scroll to **CH-DLY 1**. Assign the delays as follows:
          CH-DLY 1 to Switch 11.
          CH-DLY 2 to Switch 11.
          CH-DLY 3 to Switch 10
          CH-DLY 4 to Switch 10
    Press the **END** key twice.

Select **SURFACE**. Press **ENTER.**
Select **EPA.   Turn ON switch #11.** Set Both **LF** and **RF to 50%** for **FLAP 1.**
        Turn ON switch #10. Set Both **LF** and **RF to 100%** for **FLAP 2.**

Press **END** key.

Select **F-MODE**. Press **ENTER**. Scroll down to **MIXING #(17)**. Press **ENTER.**
Highlight **FLAPERON (#01)   Turn ON Switch #11.**
Use the Navigation Pad and YES/+ and NO/- keys to make the display read as follows for **F-MODE (1)**.

> **COMMON   >SEP**
> **ACT/INH   >ACT**
> **FL>LA   >50%**
> **FL>RA   >50%**

Turn ON Switch #10. Make the display read as follows for **F-MODE (2).**

> **COMMON   >SEP**
> **ACT/INH   >ACT**
> **FL>LA   >100%**
> **FL>RA   >100%**

NOTE: All values are trial values. Fine tune after completion of setup to obtain desired results.

Scroll to **CHANNEL DELAY (#11**) Press **ENTER**.
Turn ON Switch #11 for F-MODE 1.
Use the Navigation Pad and YES/+ or NO/- keys to make the Delays read as follows:

> **CH-DELAY   >1**
> **COMMON   >SEP**
> **CH   >LF**
> **SYMMETRY   >NO**
> **TIME –A   >50%**
> **TIME –B   >50%**

Select **DELAY 2** and make the display read as follows:

> **CH-DELAY   >2**
> **COMMON   >SEP**
> **CH   >RF**
> **SYMMETRY   >NO**
> **TIME –A   >50%**
> **TIME –B   >50%**

Press **END** key. **Turn ON Switch #10 for F-MODE 2.**
Select **DELAY 3** and make the display read as follows:

> **CH-DELAY   >3**
> **COMMON   >SEP**
> **CH   >LF**
> **SYMMETRY   >NO**
> **TIME –A   >50%**
> **TIME –B   >50%**

Select **DELAY 4** and make the display read as follows:

CH-DELAY	**>4**
COMMON	**>SEP**
CH	**>RF**
SYMMETRY	**>NO**
TIME –A	**>50%**
TIME –B	**>50%**

Press the **END** key.

Select **MIXING (#17).** Press **ENTER.**
Scroll to **FL>EL**. Press **ENTER.** Make it read as follows for **F-MODE 1. Switch #11 ON.**

COMMON	**>SEP**
FL>EL	**>20%**

Turn ON switch #10. Make it read as follows:

COMMON	**>SEP**
FL>EL	**>30%**

Jack R. Albrecht
27 June 2009
Airtronics Technical Support