

Elevon Flight Mode or Inboard Elevator and Outboard Ailerons by Andy Kunz

Originally Posted by **Snecklifter** 

I wonder if someone could help me with the following:

I am building a large scale Vulcan Bomber which has 2 control surfaces on each wing. The inboard one was originally used as the elevator and the outboard aileron. In later versions both were used as elevons.

I have a DX9 and AR8000. Each servo is wired back to the radio (receiver).

I would like to have 2 Flight Modes.

- 1) All surfaces as elevons.*
- 2) Inboard as elevators and out board as ailerons.*

How would I connect the servos to the radio and how would I program it to switch between the two modes.

Thanks

Sure, super easy!

Set up the wing as Dual Aileron, and tail as Dual Elevator. That will give you the original control style.

Now set up a single mix, AIL > LEL. This will give you rolling action on the inner surfaces.

If you add another mix ELE > LAL, you can also have elevator action on the outer surfaces.

If you use the same switch in all places, you can have Rates, Expo, Differential, and normal/4-surface action all at the flip of one switch.

My experience tells me that you will be using very different rates on ailerons and elevator based on 2- or 4-surface action.

Andy