

Radio Setups for Aerobatics: Getting the basics going.

(from a post by Isabel Deslauriers on RC Canada, October 2012)

I'll start it off by describing my setup in the Futaba 9cap (still use this radio in the winter time actually, so most of the time my initial practice with the new sequence is with that radio).

Dual rates:

The best possibility for dual rates in that radio, in my opinion, is to put a common (i.e. aileron, elevator, rudder) dual rate switch on the 3 position switch => that gives one triple-rate switch. The other option is that you could have a dual rate for each surface on a different switch.

Middle position = flying rates

Push switch = combined spin / stall turn rate, used for both maneuvers. Higher elevator (enough to stall) and high rudder.

Pull switch = all purpose snap rate. Compared to my flying rate: High aileron, low elevator, similar rudder.

Mixing:

Linear mix for the throttle-to-elevator downline mix (to keep the airplane from pulling out of a downline).

2 Point mixes used for rudder to elevator and rudder to aileron mix (to help on knife edge during 4-point rolls).

I also experimented with an aileron-to-aileron mix on a switch, to use as a second snap rate, but at that point it was too many switches to get used to so I decided to satisfy myself with just one snap rate. I'm sure if I had persisted (I would have if I was using this radio in Intermediate or higher) I could have gotten used to it though.

In basic I flew a Spektrum DX7 at the beginning of the season (and Ray was using it for sportsman). The choices for that radio were either each surface having a dual rate on one pre-determined switch, or, all on one common switch. We both used the common switch. I used mine for Spin/Stall turn (similar to what I described above) and he used his for a snap rate I believe.

One common question we are asked is: do you use the 'snap' switch on these radios. We don't although Ray had experimented with it at some point. The reason we don't use it, is that you can't really control the entry and exit (i.e. which surface you release first, small corrections etc). Personally I also have to admit that having that switch active would scare me a little!

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THANK YOU!



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