

# Ramblings



**Mini Ultimate Bi-Plane**

This plane has a wingspan of 30 inches and fuselage length of 28 inches. I'm telling you this because I haven't got a photo to compare it's size with.

I bought the plane because, with the two wings, I thought the wing loading would be fine for the 2200 mah three cell battery I use in the T-28 foamy even though the instructions called for a 1,600 mah pack.



That was the wrong way to go. I flew the plane with the big battery for a season and it wasn't my cup of tea as it were, and didn't really like to fly it.

I decided to sell the plane ready to fly including the Spektrum® 6 channel trans-

mitter but the more I thought about it the less I liked that idea. I would never be able to sell it and break even, or probably trade for a different , bigger bi-plane?

What I did instead was to buy a 1350mah 3 cell Li-Po and tried that in the plane.

So I have been flying it and it is more to my liking although it still doesn't like left knife edge and wants to bail out faster then I can correct. The inverted flight isn't easy either but I'm working on both of those quirks.

The landings are now workable and it isn't an adventure anymore so I plan on keeping the mini Ultimate. I might even be able to get some decent knife edges and inverted flights. I think the inverted flight just has to have the CG changed when I get braver.

I have been flying the Great Planes Reactor for quite awhile now and it has proven to be a fine plane. Probably because it's more of a pattern plane then a 3-Der and suits me to a T.

The plane had been set up with each elevator half having it's own servo and the Spektrum radio has a mix for that with the elevator servo being the master and the other slaved to the AUX 2 channel on the receiver.

I have / had a problem with that because the Aux 2 channel is also slaved to the elevator trim.

When I trimmed in neutral everything was hunky dory but the two elevator halves were out of sync when a up command was given and when I trimmed for that then they were out of sync else where.

I was setting up one day and when I tried the elevator the AUX 2 half went it's own way. I happened to be in high rate. When I switched to low rate the elevator half behaved so I programmed the elevator(s) for less throw and the 'problem' went away but I wasn't a happy camper. What if it happened while flying !

I eliminated the problem by going the old fashion route. I happened to have a Y connector for my Spektrum receiver and the servos so I now have both elevator halves on the receiver elevator channel.

I didn't have a servo reverser handy like the Y connector so what I did was

bend a new wire connector and move the servo arm 180 degrees and now both halves of the elevator work together and the trims are so close only an expert might tell the difference when flying the plane. The loop comes out right where it went in with no corrections with the thumbs

Many times simple is better, heh !

