Differential Steering with Throttle Cut by Andy Kunz

Originally Posted by **xmech2k**
{sigh!} I know there must be a way to do this, but I can't figure it out, so I come here asking for help.

I have a Dx18g2, and an AR6115e on a little twin electric flat foamie. I put the throttles on separate channels (THR & AUX1) so I could mix differential thrust. I got that working fine, but I'd like to make the throttle cut (Which I have on switch H) working on both ESC's. Right now, throttle cut only affects the throttle channel, the AUX1 output still responds to throttle stick movement even when the throttle ch output is stopped by throttle kill.

If it matters, I have the diff thrust mix on a switch I can turn on and off on another switch. I assume this will involve another mix applied to switch H(my throttle kill switch), but can't figure out how to make a mix that will freeze a channels output?

Thanks in advance for any help!

There is no mix to "freeze" an output (by "freeze" I assume you mean it stays where last put by the stick). You can create a set of mixes to perform the same function as ThrCut, though.

First you need to go to Channel Assign and set AUX1 input to INH.

Mix THR > AX1 at 100/100%. Set "Trim" to ACT so throttle trim is copied over. Set the switch so this mix is active when the throttle cut is inactive. When the throttle cut is active, this channel will now jump to the center.

To fix that position, mix ON > AX1 using the same switch but in the opposite state. Adjust the right "Rate" until the output shows the same position as the throttle in the cut mode.

You now have two throttle channels that honor Throttle Cut together. Note that ThrCut position only affects the THRO port. You need use the ON>AX1 mix to change the other throttle cut output.

Now you can do your differential throttle by having RUD > AX1 and RUD > THR as you already understand.

Andy