Example how to setup the Jeti Transmitter:

There are many ways how to setup the Tx to change the the Rotorflight values, as an example I try to describe how I did it.

Normally with a FBL unit you don't need the Trim Buttons, so I'm using them to change the values.

In this description I use them to change the PID values of roll, pitch, yaw and the governour:

		SD	SF		
1	Tr1 (Roll)	0	0	Roll	p-gain
1	Tr2 (Coll)	0	0	Gov	p-gain
1	Tr3 (Yaw)	0	0	Yaw	p-gain
1	Tr4 (Pitch)	0	0	Pitch	p-gain
2	Tr1 (Roll)	0	1	Roll	i-gain
2	Tr2 (Coll)	0	1	Gov	i-gain
2	Tr3 (Yaw)	0	1	Yaw	i-gain
2	Tr4 (Pitch)	0	1	Pitch	i-gain
3	Tr1 (Roll)	0	2	Roll	d-gain
3	Tr2 (Coll)	0	2	Gov	d-gain
3	Tr3 (Yaw)	0	2	Yaw	d-gain
3	Tr4 (Pitch)	0	2	Pitch	d-gain
4	Tr1 (Roll)	0	3	Roll	f-gain
4	Tr2 (Coll)	0	3	Gov	f-gain
4	Tr3 (Yaw)	0	3	Yaw	f-gain
4	Tr4 (Pitch)	0	3	Pitch	f-gain
5	Tr1 (Roll)	1	0	roll	o-gain (HSI)
5	Tr2 (Coll)	1	0		
5	Tr3 (Yaw)	1	0		
5	Tr4 (Pitch)	1	0	Pitch	o-gain (HSI)
6	Tr1 (Roll)	1	1	cross coupling gain	
6	Tr2 (Coll)	1	1	cross coupling ratio	
6	Tr3 (Yaw)	1	1	c. c. cutoff freq.	
6	Tr4 (Pitch)	1	1		
7	Tr1 (Roll)	1	2	Cyclic	Tail Feedf. Gain
7	Tr2 (Coll)	1	2	Coll.	Tail Feedf. Gain
7	Tr3 (Yaw)	1	2	CW	yaw stop gain
7	Tr4 (Pitch)	1	2	CCW	yaw stop gain
8	Tr1 (Roll)	1	3	Cyclic	Gov. Precomp
8	Tr2 (Coll)	1	3	Coll.	Gov. Precomp
8	Tr3 (Yaw)	1	3		
8	Tr4 (Pitch)	1	3	Gov	PID

To change more than 4 values I set up a combination of a 2-point (SD) and a 3-point switch (SF), so you could change at the most 2 x 4 x 4 = 32 values.

But because I'm using the first and the second entry in the adjustments tab of Rotorflight, I could only use 30 values.

The 3-point switch normally has 3 Positions, but I figured out to get 4 Positions. So it makes a difference from which direction you get into the middle Position, the End Points of the switch are always the same.

The 2-point switch I'm using to multiply the 4 Positions by two.

In my example I just use them to change 28 values, (2 entries in RF are still empty) and you can change them individual for every PID-Rate, so in my case I have setup 4 PID-Rates, which are in total 4*28 = 112 values which I would be able to change.

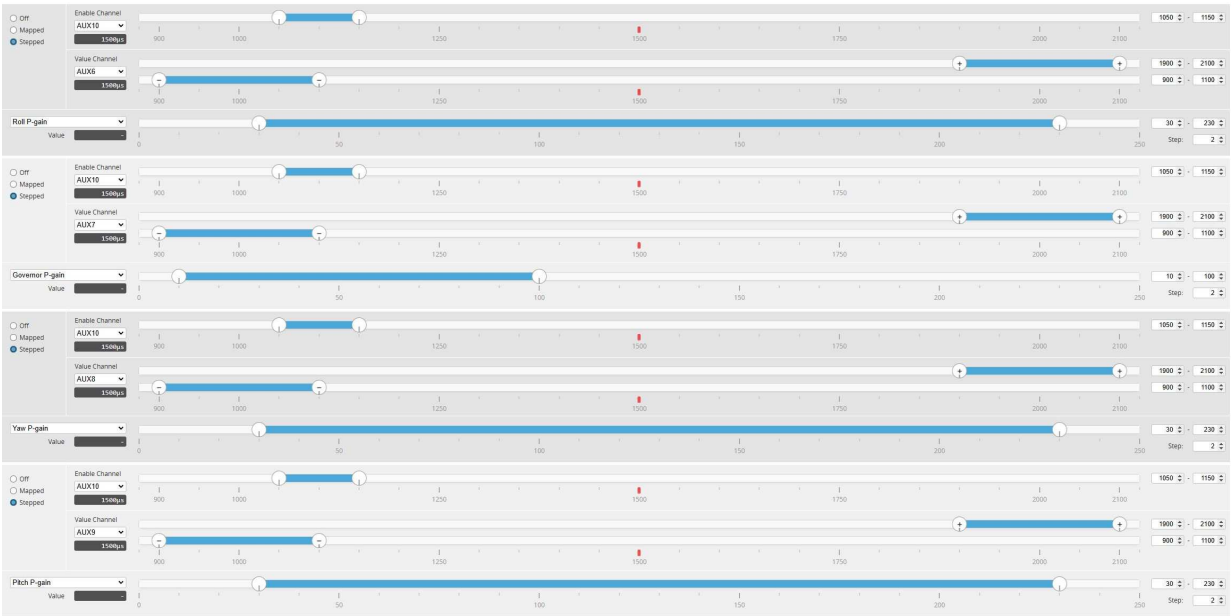
During configuration in Jeti it may not look like the screenshots because they are made as everything is already done, but at the end it should look similar.

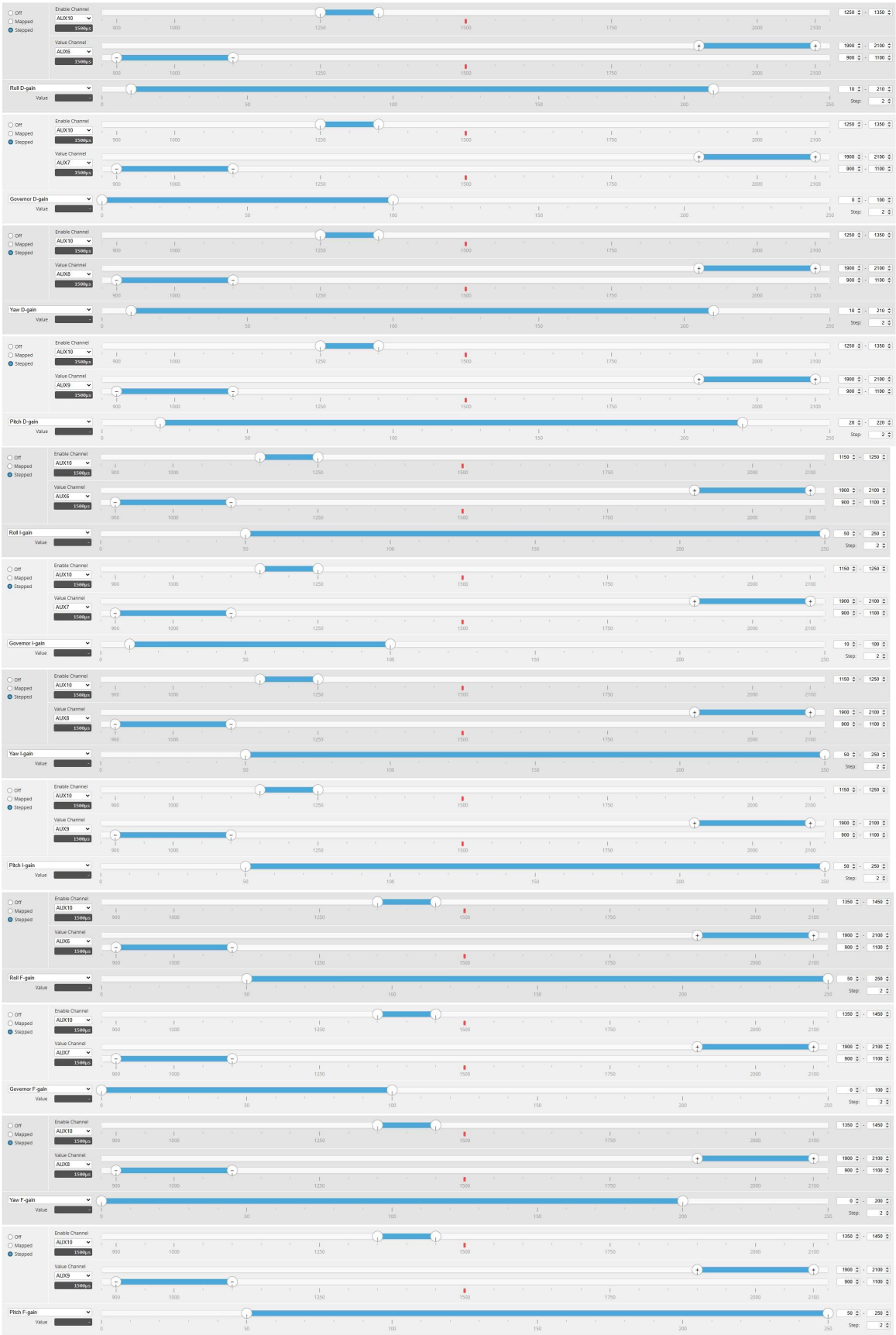
1. Setup Rotorflight:

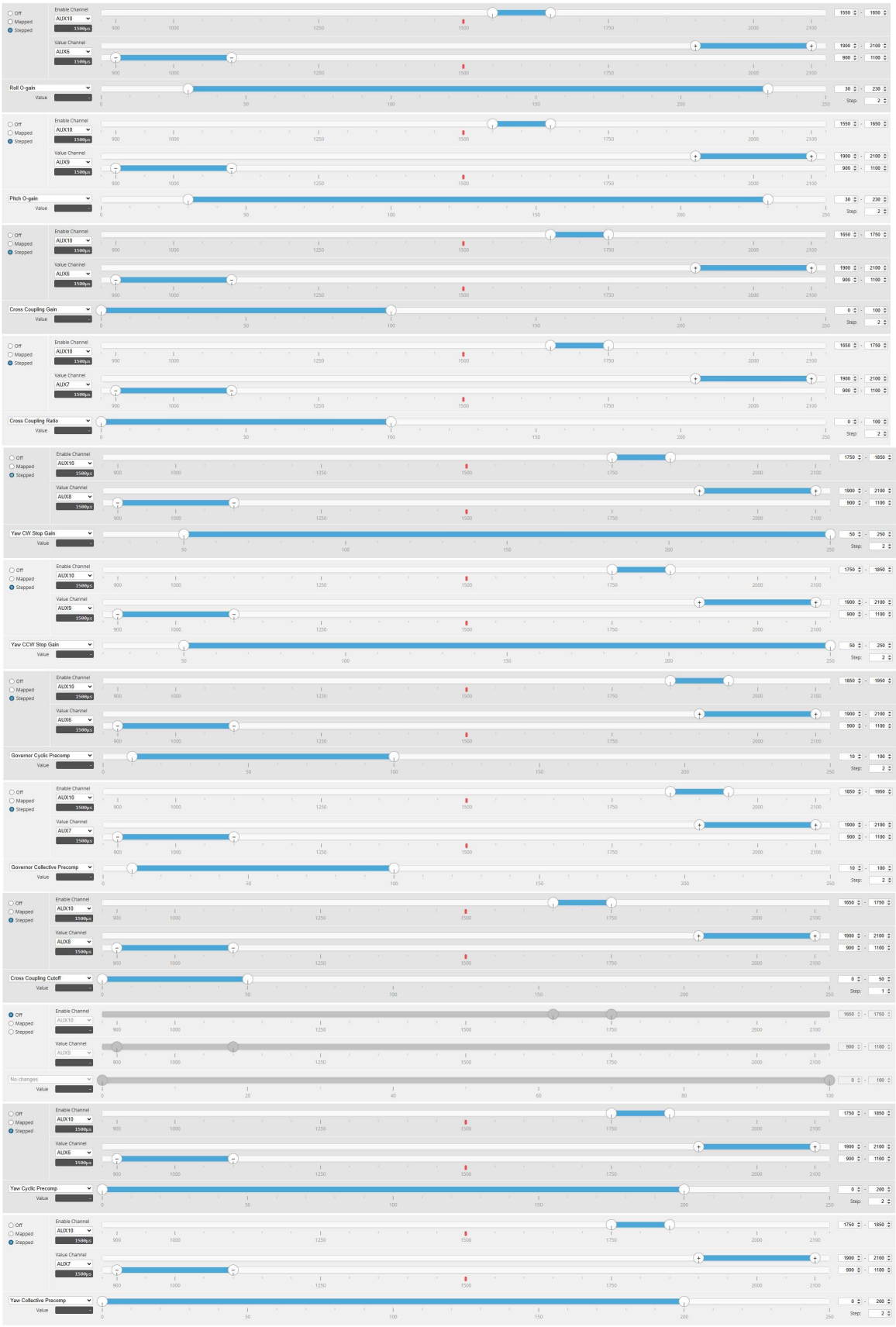
In my case I'm using the AUX 10 channel to decide which function I would like to change and AUX 6, 7, 8, 9 (assigned to the trim buttons) to change the value itself.

As an example you can load the "Adjustments_2-31_Mode_1.txt" in Rotorflight.

So it should look similar to this:

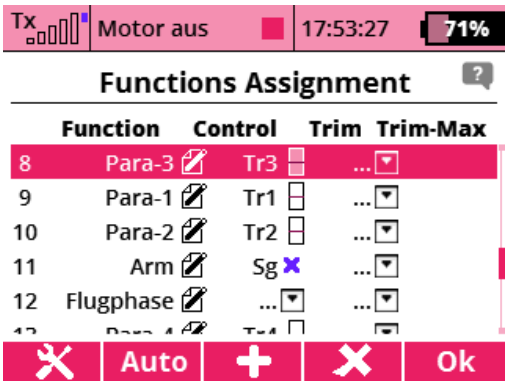


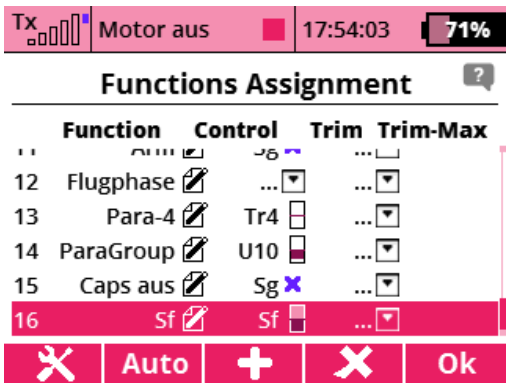

Off
Mapped
Stepped
Enable Channel
AUX10
1500µs
Value Channel
AUX6
1500µs
Roll D-gain
Value
Step:
Off
Mapped
Stepped
Enable Channel
AUX10
1500µs
Value Channel
AUX7
1500µs
Govemor D-gain
Value
Step:
Off
Mapped
Stepped
Enable Channel
AUX10
1500µs
Value Channel
AUX8
1500µs
Yaw D-gain
Value
Step:
Off
Mapped
Stepped
Enable Channel
AUX10
1500µs
Value Channel
AUX9
1500µs
Pitch D-gain
Value
Step:
Off
Mapped
Stepped
Enable Channel
AUX10
1500µs
Value Channel
AUX6
1500µs
Roll I-gain
Value
Step:
Off
Mapped
Stepped
Enable Channel
AUX10
1500µs
Value Channel
AUX7
1500µs
Govemor I-gain
Value
Step:
Off
Mapped
Stepped
Enable Channel
AUX10
1500µs
Value Channel
AUX8
1500µs
Yaw I-gain
Value
Step:
Off
Mapped
Stepped
Enable Channel
AUX10
1500µs
Value Channel
AUX9
1500µs
Pitch I-gain
Value
Step:
Off
Mapped
Stepped
Enable Channel
AUX10
1500µs
Value Channel
AUX6
1500µs
Roll F-gain
Value
Step:
Off
Mapped
Stepped
Enable Channel
AUX10
1500µs
Value Channel
AUX7
1500µs
Govemor F-gain
Value
Step:
Off
Mapped
Stepped
Enable Channel
AUX10
1500µs
Value Channel
AUX8
1500µs
Yaw F-gain
Value
Step:
Off
Mapped
Stepped
Enable Channel
AUX10
1500µs
Value Channel
AUX9
1500µs
Pitch F-gain
Value
Step:


Off
Mapped
Stepped
Enable Channel
AUX10
1500µs
Value Channel
AUX6
1500µs
Roll O-gain
Value
Pitch O-gain
Cross Coupling Gain
Cross Coupling Ratio
Yaw CW Stop Gain
Yaw CCW Stop Gain
Governor Cyclic Precomp
Governor Collective Precomp
Cross Coupling Cutoff
No changes
Yaw Cyclic Precomp
Yaw Collective Precomp
Step:

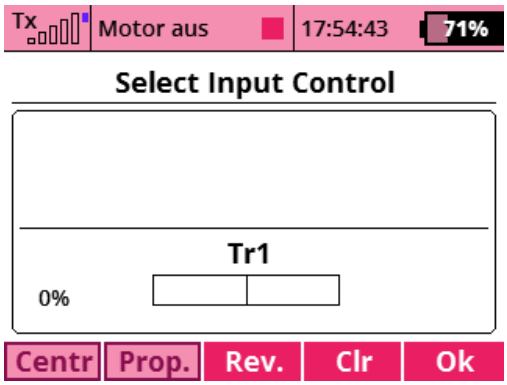
2. Functions Assignment:

You will need Para-1, Para-2, Para-3, Para-4, ParaGroup and SF:

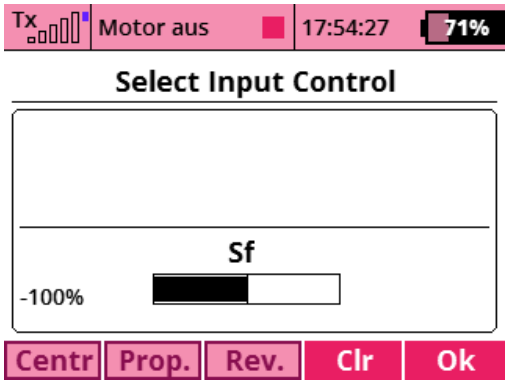




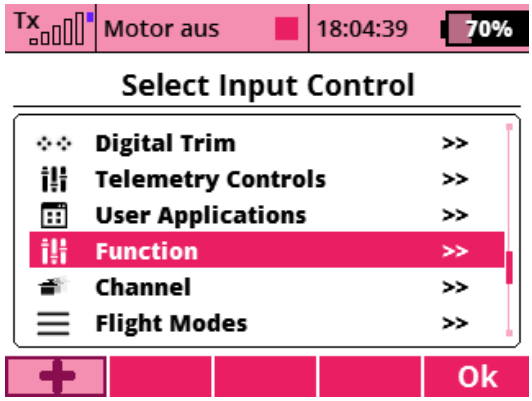
Para-1 to Para-4:

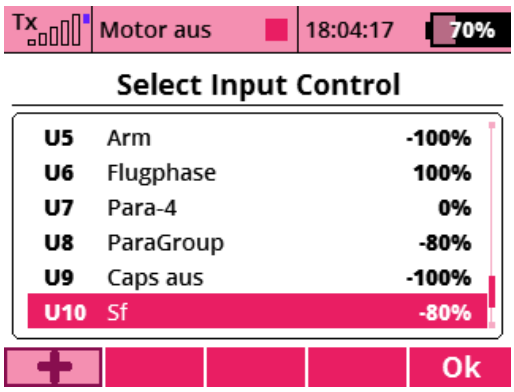


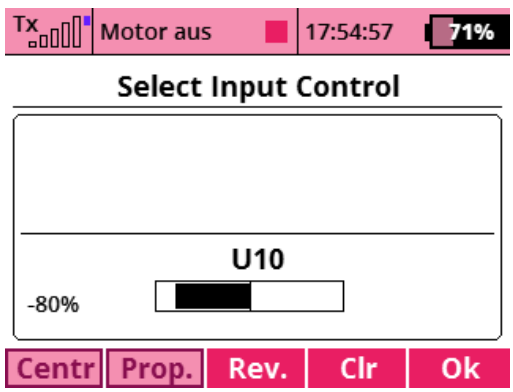
SF:



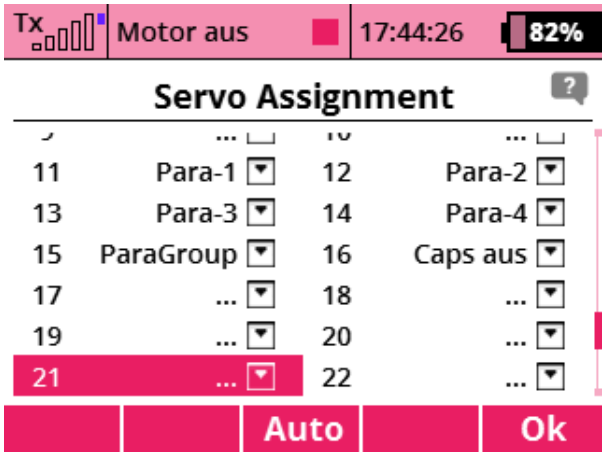
ParaGroup:



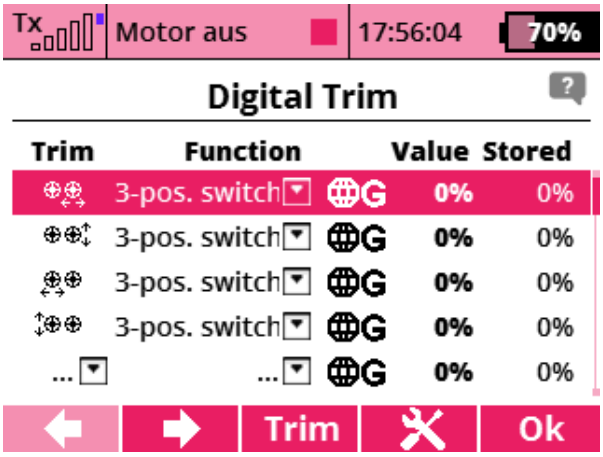




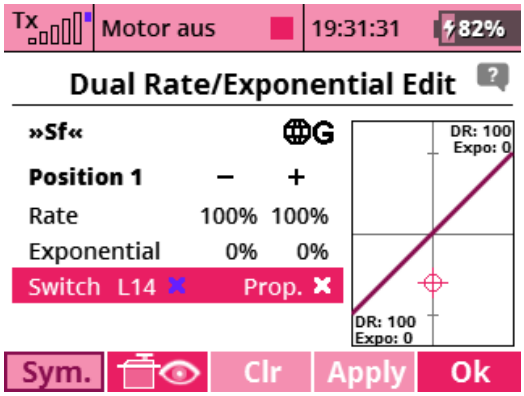
3. Servo Assignment:

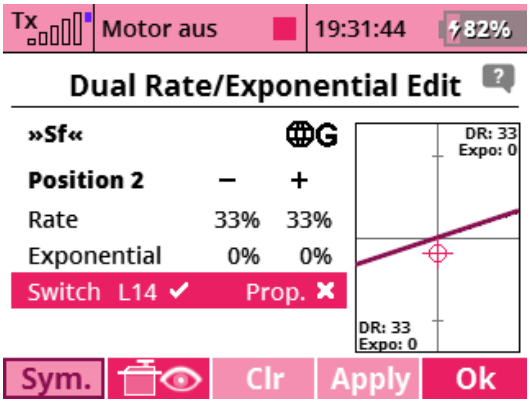


4. Digital Trim:

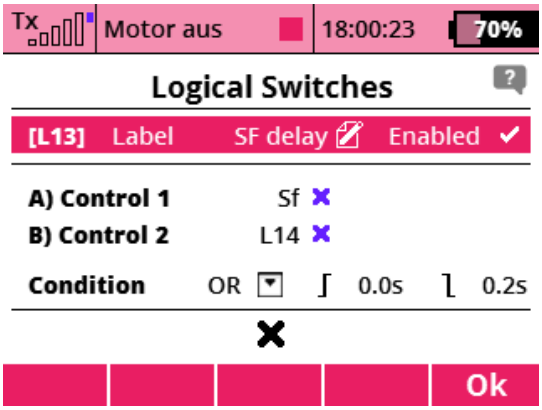


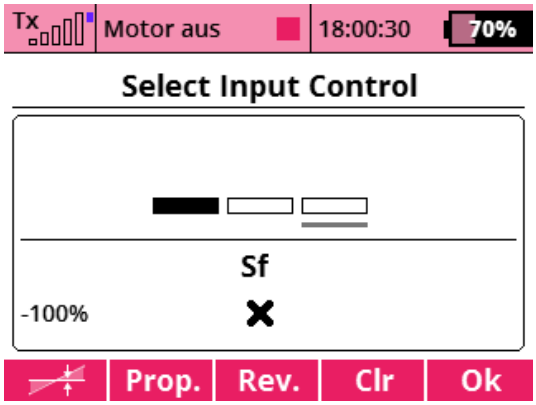
5. Dual Rate:

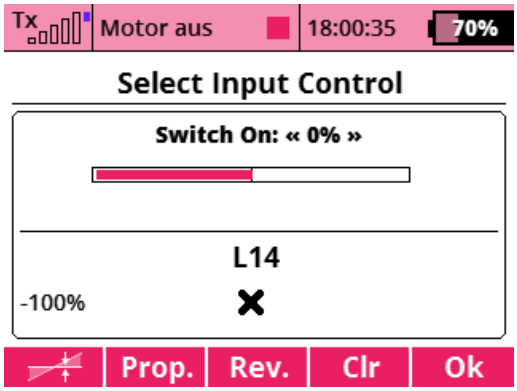




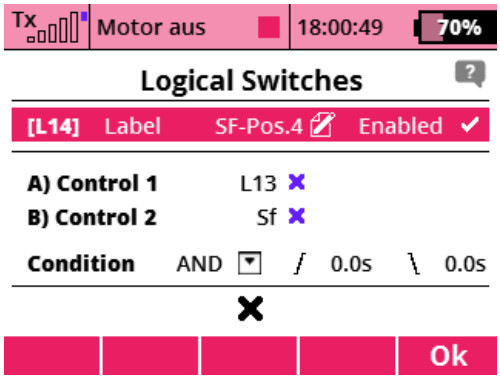
6. Logical Switch L13:

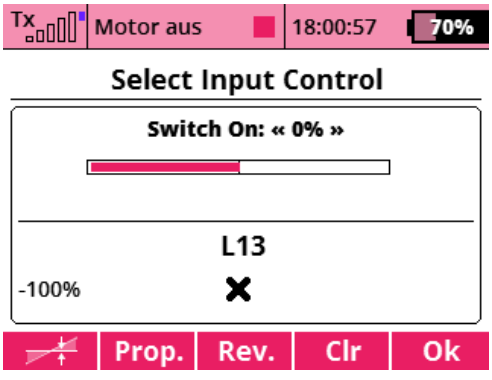


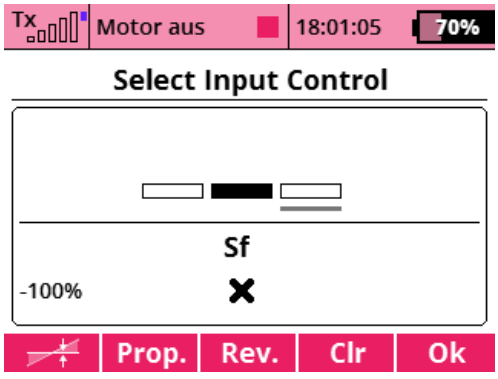




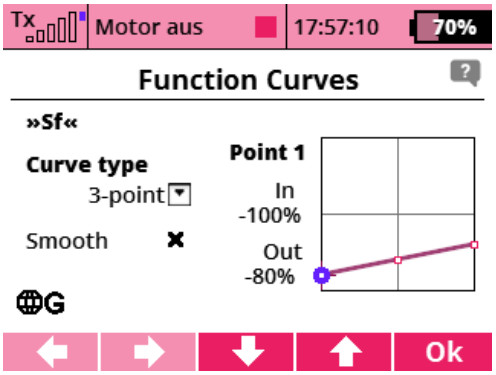
7. Logical Switch L14:

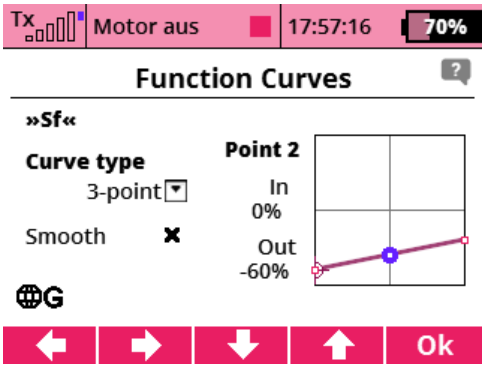


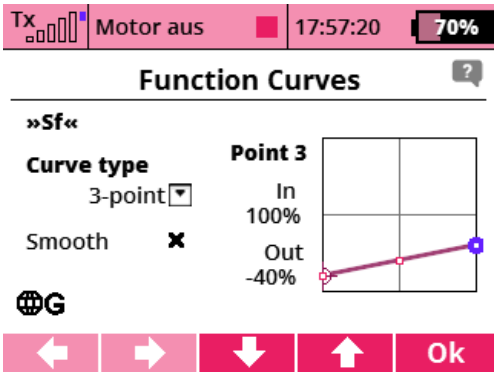




8. Function Curve:







9. Free Mixer: