

Kapow Trigger Version 1.0, by Miami Mike, 12/21/2016

Logical Switches

#	Function	V1	V2	AND Switch	Duration	Delay	Comments
The left slider (LS) is the Kapow trigger. L22 and L23 read the position of LS.							
L22	a>x	LS	90	----	0.0	0.0	L22 = LS↑ (left slider up).
L23	a<x	LS	-90	----	0.0	0.0	L23 = LS↓ (left slider down).
The safety arming sequence is !SG↓, SG↓, SG↑. All steps must be done while LS is up (LS↑).							
L24	Edge	SG↓	0.0 (instant)	L22	0.0	0.0	Step #1: If SG is already down then move it to the center or top, then back down.
L25	Sticky	L24	L26	----	0.0	0.0	Step #1 is complete.
L26	OR	!L22	L27	----	0.0	0.0	L25 sticky is reset when either Step #2 is completed or LS is moved.
L27	Edge	SG↑	0.0 (instant)	L25	0.0	0.0	Step #2: Move SG to the up position.
L28	Sticky	L27	L29	----	0.0	0.0	Step #2 is complete, the Kapow trigger is armed.
L29	OR	!SG↑	L30	----	0.0	0.0	L28 sticky is reset when either SG is moved or the trigger is pulled.
When the trigger is pulled Kapow will only be active for a short time, determined by the Duration parameter.							
L30	Edge	L23	0.0 (instant)	L28	1.0	0.0	Kapow Trigger pulled. Here, Kapow is set to be active for one second.
Post-Kapow: After Kapow, ailerons and elevator are released while flaps go to neutral and stay there until the flap stick is moved to the top.							
L31	Sticky	L30	L32	!L30	0.0	0.0	Post-Kapow, holds flaps neutral to keep them out of the grass.
L32	a~x	Thr	100	----	0.0	0.0	Move the flap stick to the top to reactivate the flaps.

Special Functions

You'll need a group of "Override CHx" Special Functions, unless for some reason you want to modify your Mixes page instead. To adjust the Override CHx settings, temporarily set their "Switch" settings to SG↑ and SG-, then set Kapow positions with SG↑ and flap neutral positions with SG-. **Remember, these SG↑ and SG- switch settings are only temporary, for adjustment purposes. Don't leave them that way!**

#	Switch	Action	Parameters	Enable	Comments
SF1	SG↑	Override CH1	(Adjust)	ON	Kapow, right aileron - Adjust for reflex.
SF2	SG↑	Override CH2	(Adjust)	ON	Kapow, left aileron - Adjust for reflex.
SF3	SG↑	Override CH3	(Adjust)	ON	Kapow, right flap - Adjust for reflex.
SF4	SG↑	Override CH4	(Adjust)	ON	Kapow, left flap - Adjust for reflex.
SF5	SG↑	Override CH5	(Adjust)	ON	Kapow, elevator - Adjust for full down.
SF6	SG-	Override CH3	(Adjust)	ON	Post-Kapow, Adjust right flap to neutral.
SF7	SG-	Override CH4	(Adjust)	ON	Post-Kapow, Adjust left flap to neutral.

(Your channel assignments may be different.)

The Override CHx Special Functions for Kapow are switched by L30, and the flap neutral positions are switched by L31. After adjusting the parameters to achieve your desired control surface positions, turn your model off and change the Switch settings to L30 and L31, as in this example:

#	Switch	Action	Parameters	Enable	Comments
SF1	L30	Override CH1	-21	ON	Kapow, right aileron
SF2	L30	Override CH2	33	ON	Kapow, left aileron
SF3	L30	Override CH3	-102	ON	Kapow, right flap
SF4	L30	Override CH4	110	ON	Kapow, left flap
SF5	L30	Override CH5	100	ON	Kapow, elevator
SF6	L31	Override CH3	-72	ON	Post-Kapow, right flap neutral
SF7	L31	Override CH4	78	ON	Post-Kapow, left flap neutral

You may also want to add voice announcements or alarms:

#	Switch	Action	Parameters	Enable	Comments
SF8	L28	Play Track	KapowArm	p.o.n.d.s.	"Kapow armed."
SF9	L30	Play Track	Kapow	p.o.n.d.s.	"Bang!" (or whatever)