

Throttle cut with dual input, ThrotCut.lc

9. november 2017 11:57

Throttle cut for electric motors

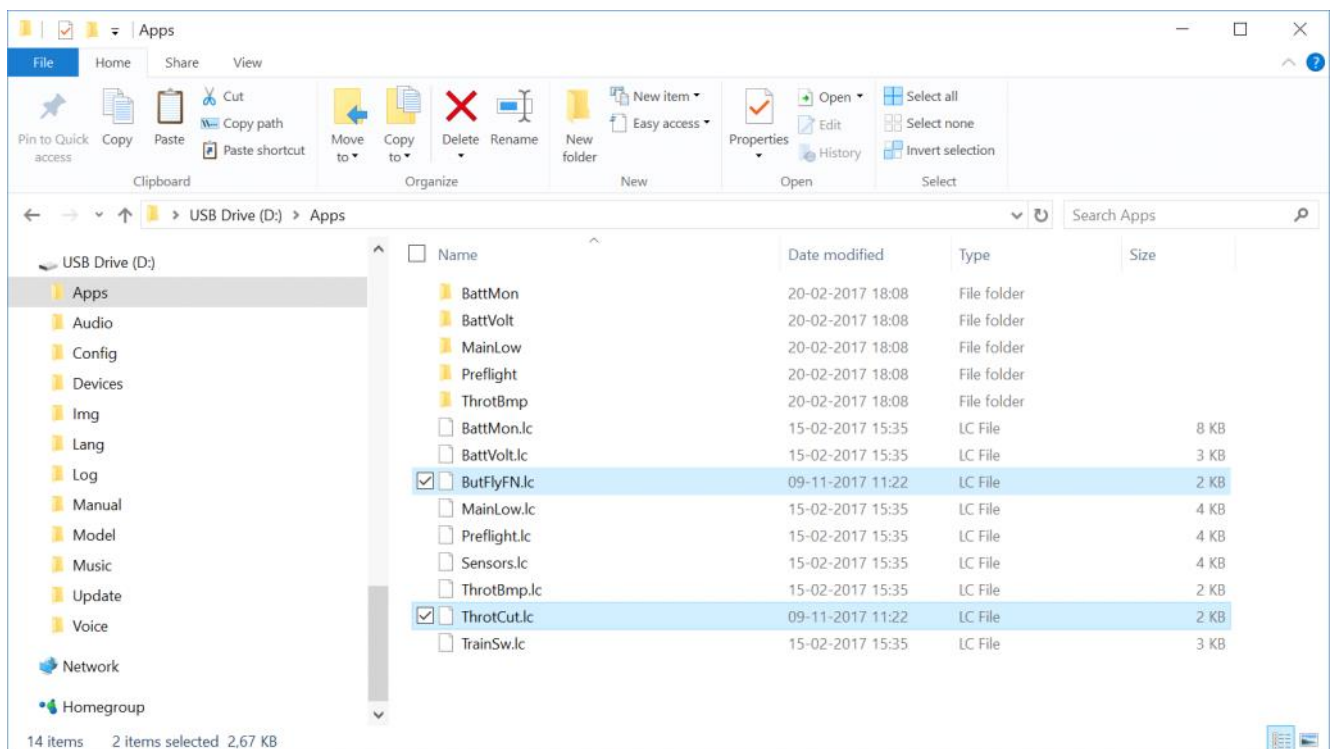
This Lua script combines a 'safety switch' and a check of throttle control being in idle position before releasing the throttle cut.

1. When safety switch is **on**, throttle cut is **on**.
2. When safety switch is moved to **off**, throttle cut remains **on** until throttle control is at idle position.
3. When throttle control is at idle position, throttle cut is released and is now **off**.
4. When safety switch is moved to **on**, throttle cut is instantly set to **on** no matter the throttle position.
5. Resume at step 2.

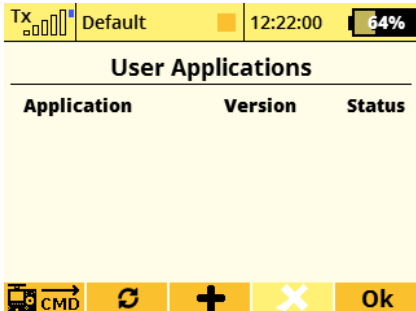
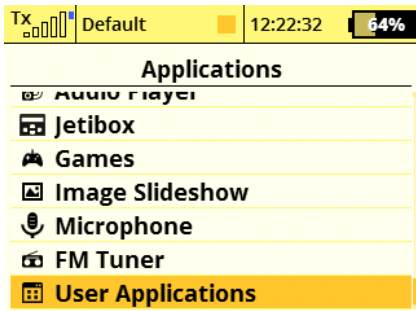
When transmitter is switched on, throttle cut is **on**, resume at step 2 = throttle control must be at idle position to release throttle cut. (also handled by preflight condition.. But this isn't always configured)

Installation

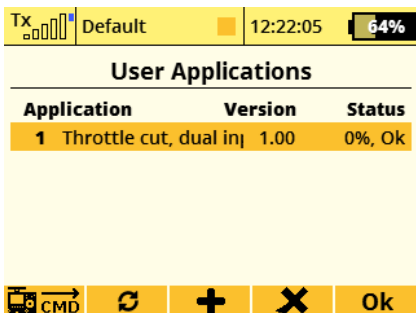
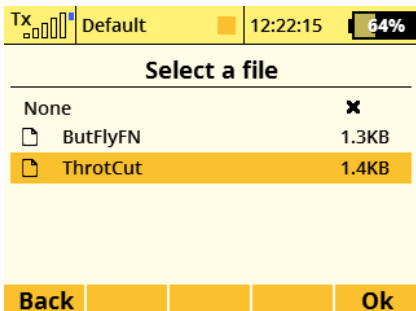
Copy the file ThrotCut.lc to the Apps folder on the transmitters SD card (via USB)



Go to Applications, User Applications

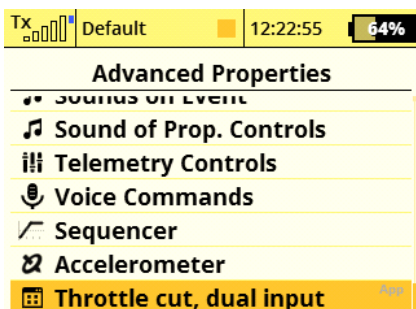


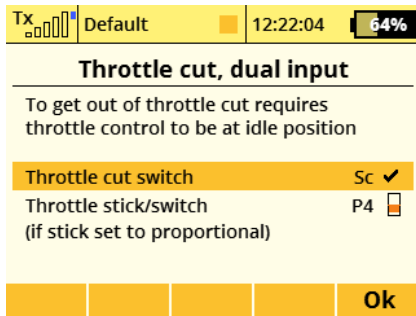
Press the + sign to add an application and select the ThrotCut application



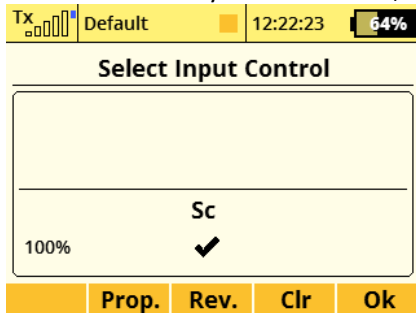
Configuration

The app can be configured by selecting it in user applications, and it is also placed under "Advanced Properties, Throttle cut, dual input"

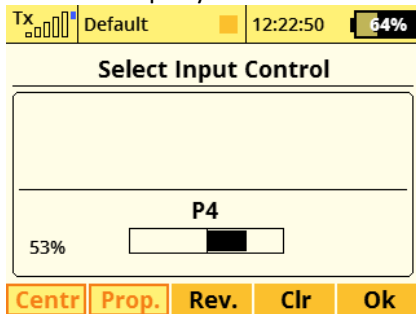




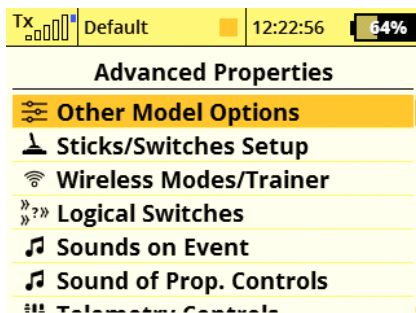
Select the switch you want to use, it must be on when throttle cut is to be active.



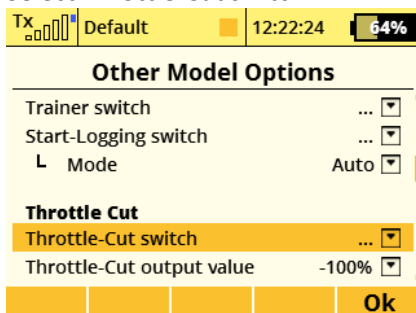
Select the input you use for throttle, if stick/slider select type proportional.



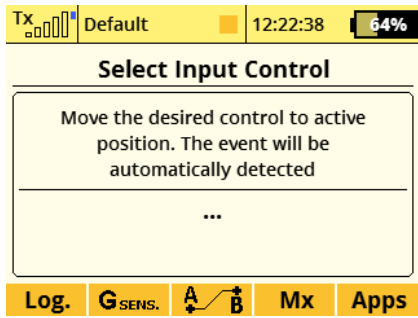
Go to Advanced Properties, Other Model Options



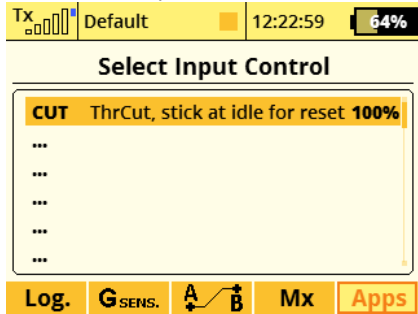
Select Throttle-Cut switch



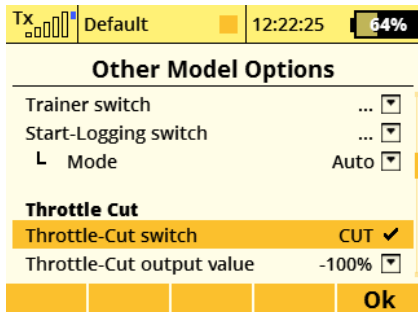
Select Apps



Select CUT input control

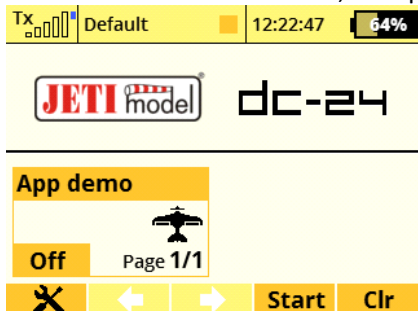


Voila!

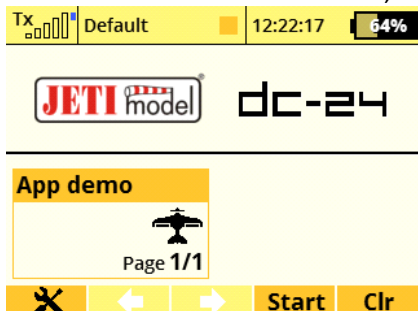


TEST

When throttle cut is enabled, Off appears in the lower left corner



And when throttle cut is disabled, nothing is shown



Test and understand... use at own risk.

