2 servo wing electric aerobat setup v3 for FrSky Taranis

Here is my very first model setup for the Taranis, which I'm using on balsa Zlin 50 from Hobbyking:

This setup should work great on any aerobatic electric model with a two servo wing (Wot 4-e, Acrowot, Max Thrust Riot, ST Models MX2 etc).

Features (v2 additions in **green,** v3 in **blue**):

- **Further simplified mixer schema (flap and snapflap fns moved to single high mix; redundant stick position calls removed; additional flight phases have simplified rate settings in Sticks menu).**
- **5** flight modes accessed by a combination of on switch SE (Acro, Takeoff and Landing) **and the rate switch SA (Acro-hi, Acro-med and Acro-low).**
  - Triple rates on switch SA, **active only in Acro (Takeoff and Landing use medium rates).**
  - Partial flap deployed for Takeoff; full flap for Landing. Transitions slowed over 2 seconds.
- Snapflap (elevator to flap) mixing by default in Acro and Takeoff flight phases.
  - **Snapflap volume adjustment on pot S1.**
  - Snapflap suppression on switch SG.
- **Knife edge compensation mix (Rud→Ele), set to zero weight by default.**
- Throttle kill on switch SF with optional visual confirmation (deflects elevator 45 degrees when throttle deactivated) and pre-flight check reminder.
  - **Now implemented via mixers rather than a custom function.**
- Custom throttle curve to remove non-linear ESC response (will need to be tuned for each model).
- **"Nagging Nora" gives power-up announcement in Takeoff and Landing modes at low throttle settings (reminder to avoid throttle shut landings; I am mainly a glider pilot!)**
- Eagletree Guardian gyro control on switch SD (2D mode, 3D mode and off)
- Flight countdown timer (reset by throttle kill on switch SF) and total model time timer.
- Flight time remaining called out by short press of switch SH.
- RSSI value called out by long press of switch SH.
- Volume adjustable via pot S2.
- **Model name announcement on start-up/selection.**

All changes are confirmed verbally when activated, and the sound files used are attached with the EEPE – simply paste them into the Sounds folder on your Taranis. Happy flying!

Matt Brett, Dec 2013

Pre-flight checks / Disclaimer - Although this setup has been tested, it's up to you the pilot to make sure all controls respond correctly under all conditions. I cannot be held responsible for any bugs in the setup or documentation, so please remember to test your model setup thoroughly before flying!