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Telemetry

For now, all versions supporting Telemetry for Devo plus Devo .dfus in This RCGroups Post

Devo 7e update info:

The telemetry is present in deviation firmware in the latest nightlies, currently. That means you may need to flash a recent nightly to make use of telemetry with the bayang protocol, and your flashed quadcopter.

Please back-up the model files, and perhaps other files just in case, when upgrading the transmitter firmware.

To enable telemetry , hit enter when selecting bayang protocol, the same as enabling telemetry for other protocols, such as DSMX

The protocol with telemetry enabled will **only bind to a quad with telemetry capability**. With telemetry off, it will bind to all quads, including factory firmware, and telemetry quads.

About telemetry data:

The quad sends battery voltage, battery voltage- compensated against throttle, packets received (reception quality indicator), and battery low-led flash signal

Additionally, the tx generates telemetry reception stats.

Telemetry names:

- *Fades L led battery low flashing= 100, otherwise 0
- *Loss TX's telemetry reception quality indicator in packets per seconds (max 200)
- *Holds quad's reception indicator in packets per seconds (max 200)
- *RxV -Volt1- real battery voltage
- *Batt -Volt2- compensated battery voltage

Alarms:

FadesL > 1 will create an alarm that sounds if the leds flash a low battery code Batt \Leftarrow 3.40 is ok for low battery alarm - using voltage compensation settings from config.h Rxv \Leftarrow 2.90 - real battery voltage - this would be more like a traditional lvc that sounds on max throttle sometimes

The real voltage goes down a lot, so it may not be very useful. An alarm of 2.8 - 3.0 could be used.

Additional:

Since the telemetry range is shorter compared to the tx range (with PA), there is no point setting an alarm for quad reception strength, as the telemetry will probably fail before that level is reached.

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