# 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  $\mathsf{DSMX}$ 

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 strenght, as the telemetry will probably fail before that level is reached.

From: http://sirdomsen.diskstation.me/dokuwiki/ - **Silverware Wiki** 

Permanent link: http://sirdomsen.diskstation.me/dokuwiki/doku.php?id=telemetry&rev=1480666900



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