

How to enable telemetry on a v150/v180/v250

Tuesday, March 28, 2017 9:20 AM

Minimum software requirement

OSD: v 1.0.0.41

FC: betafight 3.1.6 (IRCFUSIONF3:v250, IRCSYNERGYF3:v150/v180)

HW Cabling

Telemetry pin connected to GPS connector RX pin on PDB

Configuring betafight for telemetry using betafight-configurator

1. Configure UART2 for Smart Port Telemetry Output (looks for right protocol)

Port Identifier	Configuration	Serial Rx	Telemetry Output
UART1	<input checked="" type="checkbox"/> MSP 115200 ▼	<input type="checkbox"/> Serial RX	Disabled ▼ AUTO ▼
UART2	<input type="checkbox"/> MSP 115200 ▼	<input type="checkbox"/> Serial RX	SmartPort ▼ AUTO ▼
UART3	<input type="checkbox"/> MSP 115200 ▼	<input checked="" type="checkbox"/> Serial RX	Disabled ▼ AUTO ▼

Save and Reboot...

WARNING: You may have to force Serial RX on UART3 after.
Don't forget to configure Receiver too if it happens!!

2. Configure Other Features and Enable Current and Voltage Meter

Other Features

Note: Some of the features of the firmware are not shown in this list any more, because they have been moved to other places in the configurator.

<input type="checkbox"/>	INFLIGHT_ACC_CAL	In-flight level calibration
<input type="checkbox"/>	SERVO_TILT	Servo gimbal
<input type="checkbox"/>	SOFTSERIAL	Enable CPU based serial ports ?
<input type="checkbox"/>	SONAR	Sonar
<input checked="" type="checkbox"/>	TELEMETRY	Telemetry output

Battery Voltage

<input checked="" type="checkbox"/>	VBAT	Battery voltage monitoring
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Current Sensor

<input checked="" type="checkbox"/>	CURRENT_METER	Battery current monitoring
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Save and Reboot...

3. Configure Current and Battery Meter type to EXT using CLI (not available though regular configurator UI interface)

```
set battery_meter_type = EXT
set current_meter_type = EXT
save
```