

Step by Step guide for Betaflight Passthrough to FETtec ESC.

1. Ports

- ESC TLM has to be connected at the **TX** pad of one UART of your Flightcontroller
- The Sensor Input of the used UART has to be set to "ESC"

BETA Configurator: 1 Firmware: BTFI Target: AIRB/O					8 🙏 🛔 <table-cell> 8 🔅 🧼 ro Accel Mag Earlo esto Sonar</table-cell>
2019-07-30 @ 21:40:37 Arm	ing Disabled				
	5				
🖄 Ports	Ports				
Configuration				the serial port configuration will be reset.	
	Note: Do NOT disa	ble MSP on the first serial port unless yo	ou know what you are doir	ng. You may have to reflash and erase your configu	iration if you do.
் ஃ PID Tuning	Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input
க் PID Tuning	Identifier USB VCP	Configuration/MSP	Serial Rx	Telemetry Output Disabled AUTO	Sensor Input Disabled AUTO
n Receiver	USB VCP	115200 •		Disabled • AUTO •	Disabled • AUTO •
Receiver Modes	USB VCP UART1	115200 • 115200 •		Disabled AUTO	Disabled • AUTO • Disabled • AUTO • Disabled • AUTO • ESC • AUTO •
Receiver Control Recei	USB VCP UART1 UART3	115200 • 115200 • 115200 •		Disabled • AUTO • Disabled • AUTO • Disabled • AUTO •	Disabled • AUTO • Disabled • AUTO • Disabled • AUTO •

2. <u>Configuration</u>

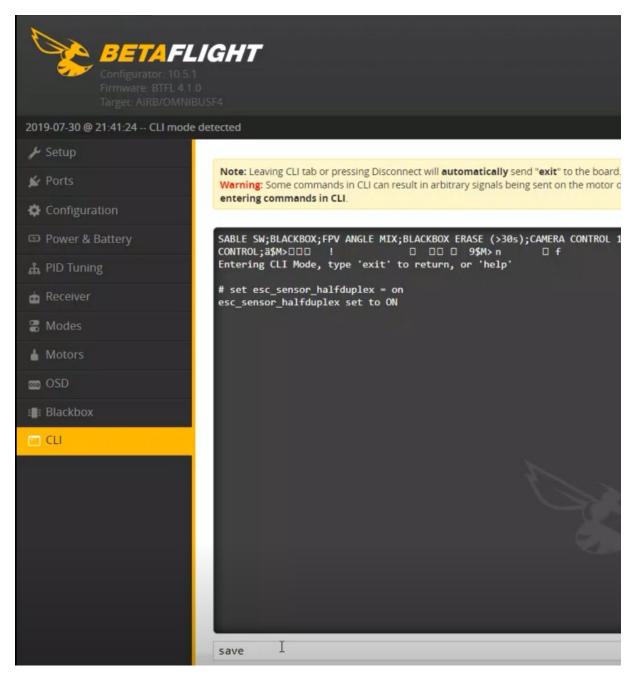
• Activate ESC Sensor.

Configurator: 10.1 Firmware: BTFL 4 Target: AIRB/OMM) 0.01 V
2019-07-30 @ 21:40:37 Arming	g Disabled		
✓ Setup✓ Ports	Note: Not all features are supported by all you hit 'Save and Reboot', it means that thi	flight controllers. If you enable a specific feature, and it is disabled afte feature is not supported on your board.	er
Configuration	INFLIGHT_ACC_CAL	In-flight level calibration	
Power & Battery	SERVO_TILT	Servo gimbal	
盘 PID Tuning	SOFTSERIAL	Enable CPU based serial ports	0
da Receiver	SONAR	Sonar	
a Modes	TELEMETRY	Telemetry output	
	LED_STRIP	Multi-color RGB LED strip support	
A Motors	DISPLAY	OLED Screen Display	0
osd OSD	CHANNEL_FORWARDING	Forward aux channels to servo outputs	
: Blackbox	TRANSPONDER	Race Transponder	0
🖻 CLI	AIRMODE	Permanently enable Airmode	
	OSD	On Screen Display	
		Use KISS/BLHeli_32 ESC telemetry as sensor	
		Temporary boost I-Term on high throttle changes	
	DYNAMIC_FILTER	Dynamic gyro notch filtering	



3. <u>CLI</u>

- Command: set esc_sensor_halfduplex = on
- Command: save





4. FETtec Configurator

Remove Propeller and supply power to ESC + FC (current limiting via smoke-stopper is advised)

Chose Betaflight Passthrough, your correct COM Port and click Connect.

The GUI should report the following message (the Port numbers can be different) and click **Continue**.

FETtec ESC configurator v0.1.5			- 🗆 X
	jurator		
O Overview O Settings V Telemetry		← COM23	* Disconnect
	Setup Passthrough 100%		
We	na in a		
	rning	×	
bau	1: 5 Port2: 20 Port1 is already open, d = 2000000. Port1 mode changed from warding, power cycle or drop DTR to ex- warding.		
	Continue	Cancel	