Scorpion Power System

www.scorpion-team.com

Scorpion User Guide for Jeti Telemetry

V1.0

1. Connect ESC to your PC using Vlink cable and set Communication protocol (1E) to Jeti Exbus.

2. Use your Empty port with ExBus function (E1, E2) on your duplex receiver to connect to ESC data port.
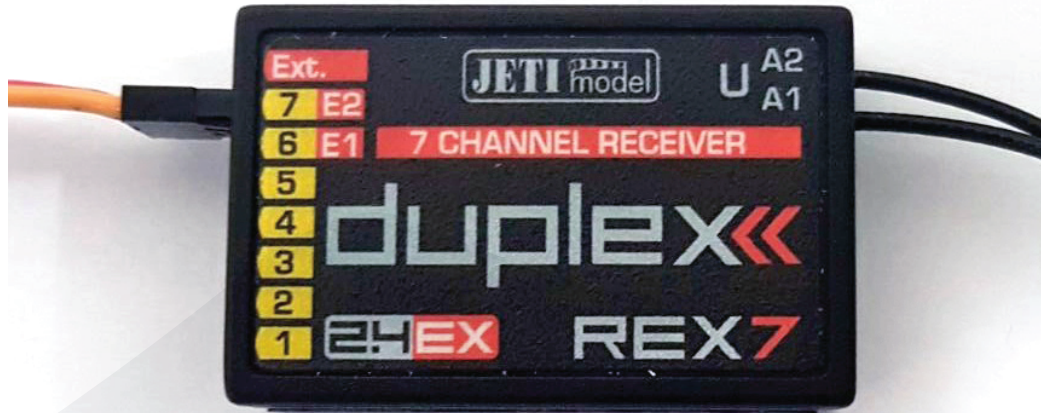
3. Goto Menu -> Model -> Device Explorer -> Rex7 -> Alternative Pin Config and set pin to ExBus (in our example OutPin7/E2 set to ExBus)
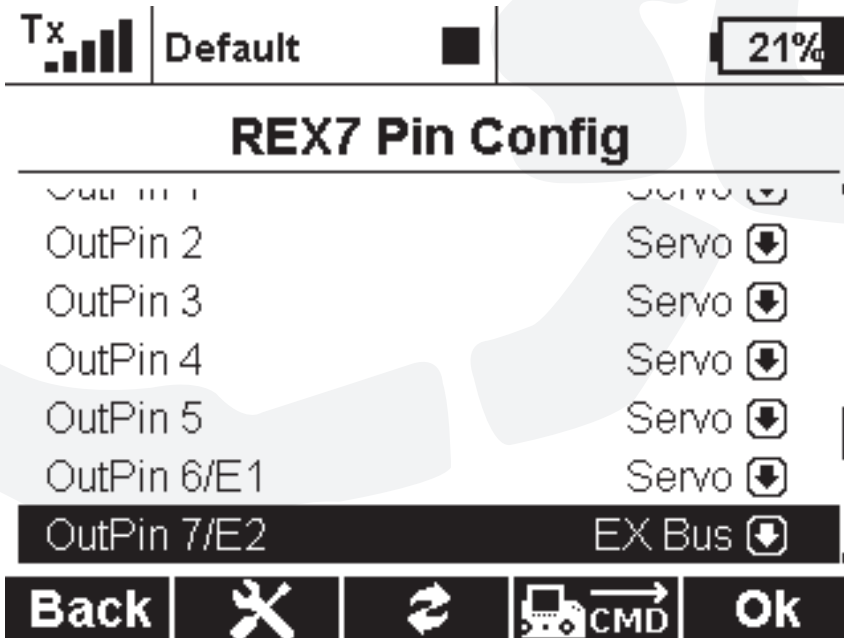
4. Goto Timer/Sensors -> Sensors/Logging Setup you can see Scorpion ESC telemetry connected. If not press "Auto" button and wait for Telemetry sensors to be added to this list.

Tx Default ■ 21%

Sensors/Logging Setup

Sensor		Logging
Receiver Voltage/Antenna		No ⬇
Transmitter status info		>>
Scorpion ESC		
1 Voltage	V	Yes ⬇
2 Current	A	Yes ⬇

| Auto | | (9) | ✖ | Ok |

Tx Default ■ 21%

Sensors/Logging Setup

2 Current	A	Yes ⬇
3 Throttle	%	Yes ⬇
4 Power	%	Yes ⬇
5 BEC Volt	V	Yes ⬇
6 Temp	°C	Yes ⬇
7 Bat Cap	mAh	Yes ⬇
8 Motor	RPM	Yes ⬇

| Auto | | (9) | ✖ | Ok |

5. To show telemetry data on your main screen, go to Timer/Sensors -> Displayed Telemetry

Tx Default ■ 24%

Displayed Telemetry

🌐G	Telemetry	Double
1	Temp [°C] Telem ⬇	Yes ⬇

| ⬇ | ⬆ | Add | Del. | Ok |

Select sensor to be added to the screen and press "Add" button.

Tx Default ■ 24%

Select Option

Voltage [V] Telem
Current [A] Telem
Throttle [%] Telem
Power [%] Telem
BEC Volt [V] Telem
Temp [°C] Telem

Esc | | | | Ok

Tx Default ■ 24%

Use double size?

No | | | | Yes

Sensor added.

Tx Default ■ 24%

Displayed Telemetry

⊕G   Telemetry   Double

⬇ | ⬆ | Add | Del. | Ok

You can see it on your main screen

| Tx .ıll | Default | ■ | 24% |

Scorpion ESC: Temp

35°C

35 .. 35°C

Test

USB

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| ✖ | ← | → | Start | Clr |
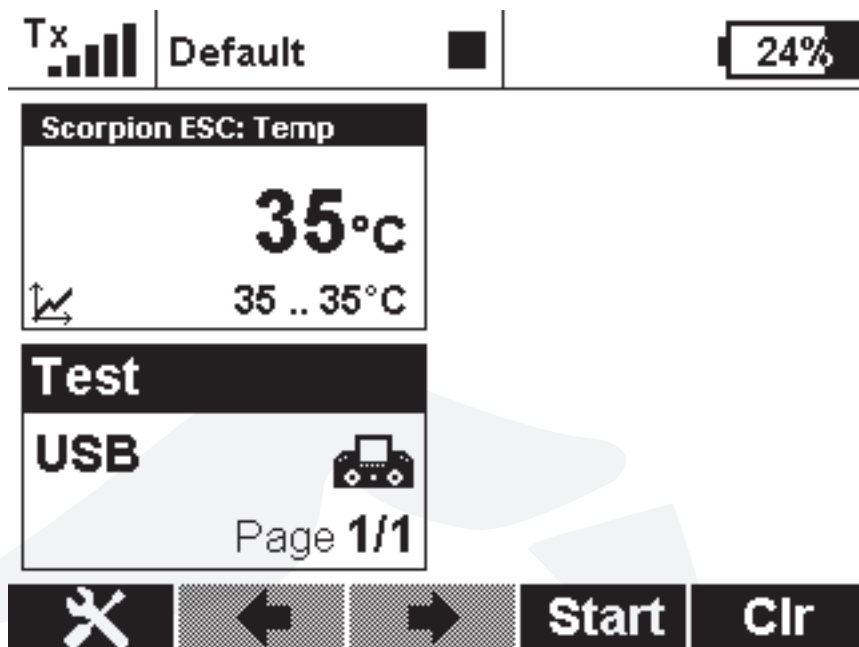
6. To Add alarm event for your telemetry sensors, go to Timer/Sensors -> Alarms and press "Add"

| Tx .ıll | Default | ■ | 21% |

Alarms

Morse Code Alarms...   >>

1   Voltage Rx   X < 4.50V   ✖

2   ...   ✖

| Add | Del. | Edit | Ok |
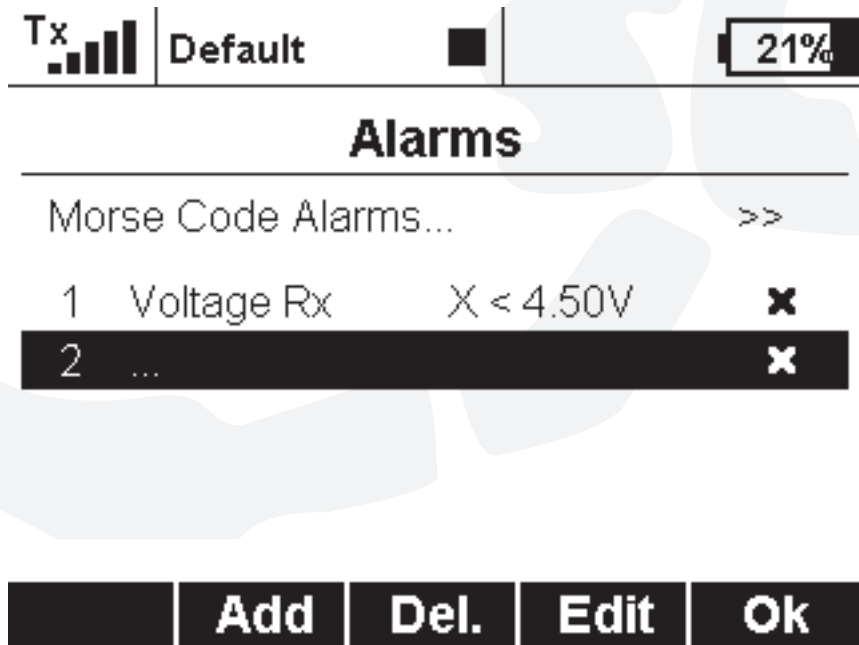
Choose sensor you need

Tx | Default | ■ | 21%

Select Option

...
Voltage [V]
Current [A]
Throttle [%]
Power [%]
BEC Volt [V]
Temp [°C]

Esc | | | | Ok

Make alarm enabled

Tx | Default | ■ | 21%

Alarm

Sensor		Current [A] ⊙
Enabled		✓
Condition	X < ⊙	0.0A ⊙
File		... ⊙
Activation Switch		... ⊙
Repeat		✓

▶ | ■ | | | Ok

And set condition for alarm

Tx ▂▃▄▅ Default ■ [20%]	**Tx** ▂▃▄▅ Default ■ [20%]

Alarm

Enabled			✓
Condition	X > ⊙	12.9A	⊙
File		...	⊙
Activation Switch		...	⊙
Repeat			✓
Announce current value by voice			✗

▶ ■   **Ok**

Sensors & Variables

Sensor	Repeat	Trigger	Priority
Voltage Rx	✗	✗	Low ⊙
Antenna 1	✗	✗	Low ⊙
Antenna 2	✗	✗	Low ⊙
Voltage	✗	✗	Low ⊙
Current	✗	✗	Low ⊙
Throttle	˅	˅	Low ⊙

Ok

Press "Ok" and you will see new alarm added.

Tx ▂▃▄▅ Default ■ [20%]

Alarms

Morse Code Alarms...			>>
1	Voltage Rx	X < 4.50V	✗
2	Current	X > 12.9A	✓

Add | **Del.** | **Edit** | **Ok**

7. If you need Telemetry voice assistant, go to the Timer/Sensors ->Voice output -> Sensors & Variables

And setup Repeat and Trigger conditions for each sensor output.

- END -