



Scorpion Power System
www.scorpion-team.com

Scorpion User Guide for Jeti Telemetry

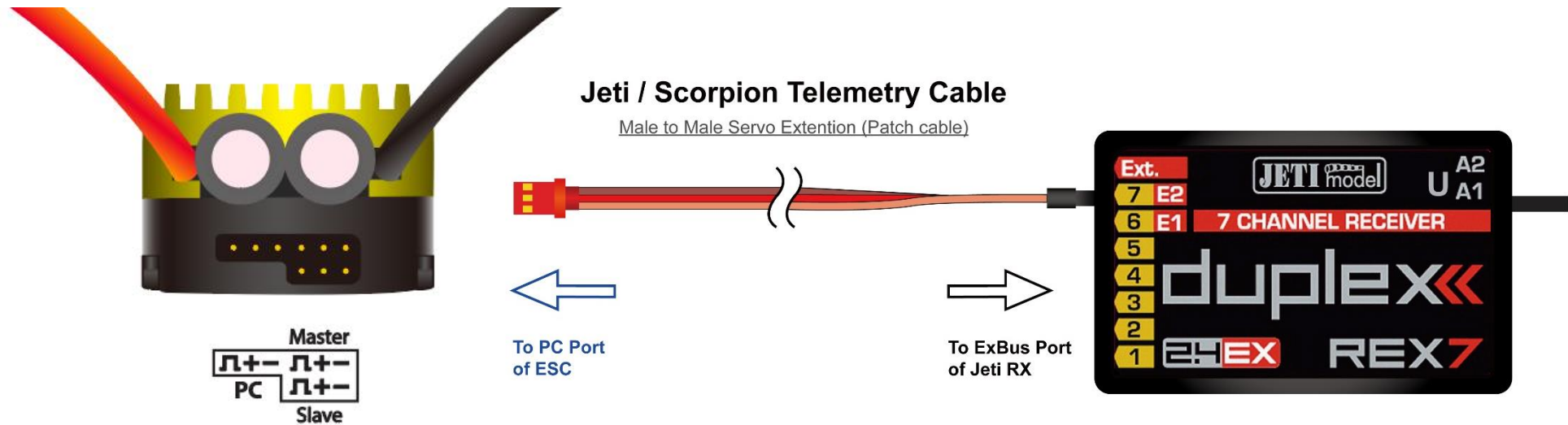
1. Connect ESC to your PC using Vlink II cable and set Communication protocol (1E) to Jeti Exbus.

The screenshot displays the Sproto platform software interface. The window title is "Sproto platform". The menu bar includes "Platform", "Tools", "Profile", "Help", and "Disconnect". The main interface is divided into several sections:

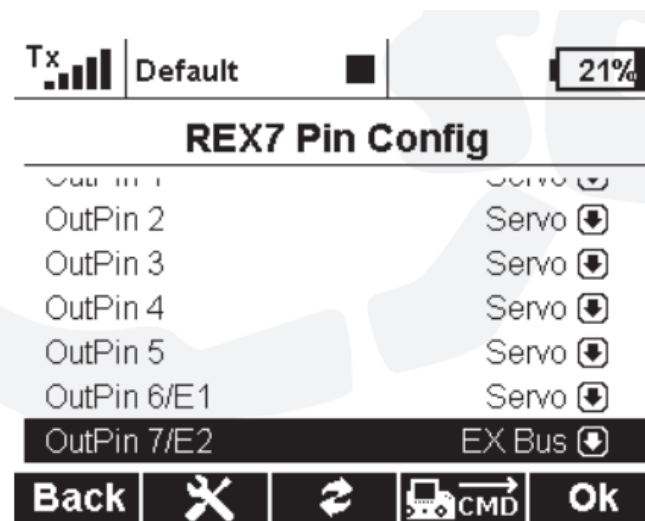
- Left Panel:** Contains a "Reload COM6" button and a list of ESC parameters: Name (Tribunus ESC-II 12...), SN (160008F9), BL (24), FW (61), Reset code (OK), Power on time (4:39:37), Run count (6), Motor time (1:28), and Discharge, mA (0). Below this are four gauges: Throttle (100.0%), RPM (27670), Current (0.0 A), and Out Power (6.5%). At the bottom left, there are temperature and voltage readings: BAT voltage (V, -3243.8), CPU temp (°C, 0.0), and MSFT temp (°C, 96.0).
- Top Right:** "Save" and "Set default" buttons.
- Navigation Bar:** Includes "Saved settings", "Main" (active), "Heli", "Plane", "Protection", "Configuration", "Firmwares", and "Logs".
- Configuration Area:** A list of settings for the "Tribunus ESC-II 125-130A":
 - 1A Name:** Tribunus ESC-II 125-130A
 - 1B Device mode:** PID with recalculated value
 - 1C Bec voltage:** 5.1 V
 - 1D Rotation direction:** CW
 - 1E Communication protocol:** Jeti ex bus (selected from a dropdown menu that also includes Standard, Vbar, UnscTelem, and Futaba Sbus2).

2. Connect your Tribunus ESC to your Jeti RX

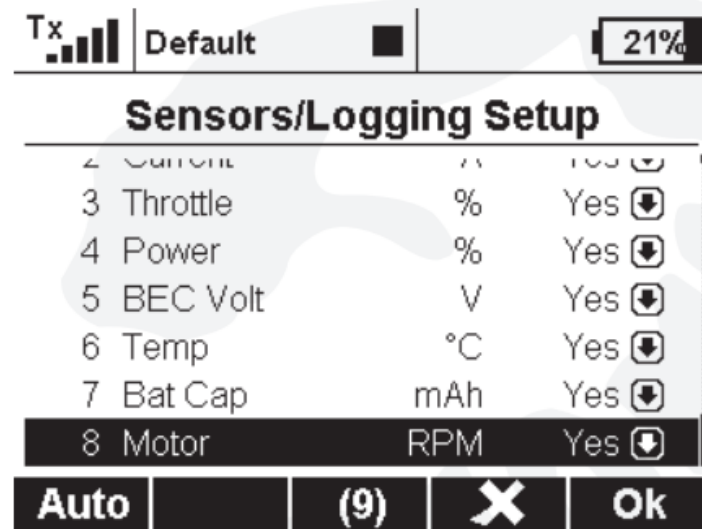
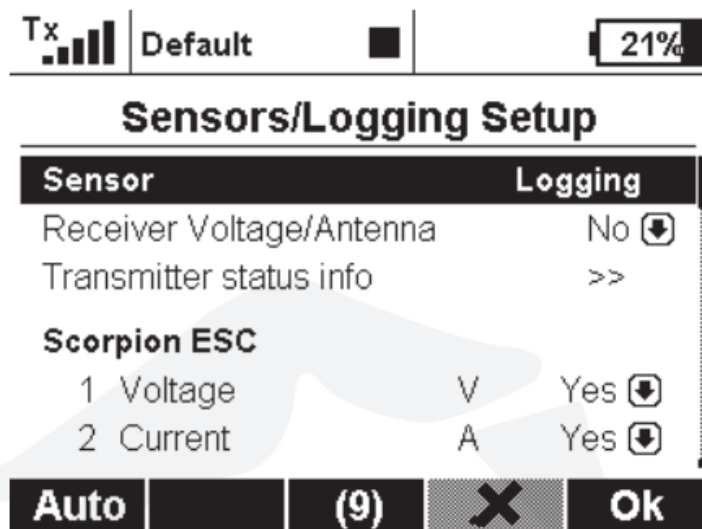
- Connection is made with a simple male to male servo extension cable (patch cable)
- Use your **Empty port with ExBus function (E1, E2)** on your duplex receiver to connect to **ESC PC port**.



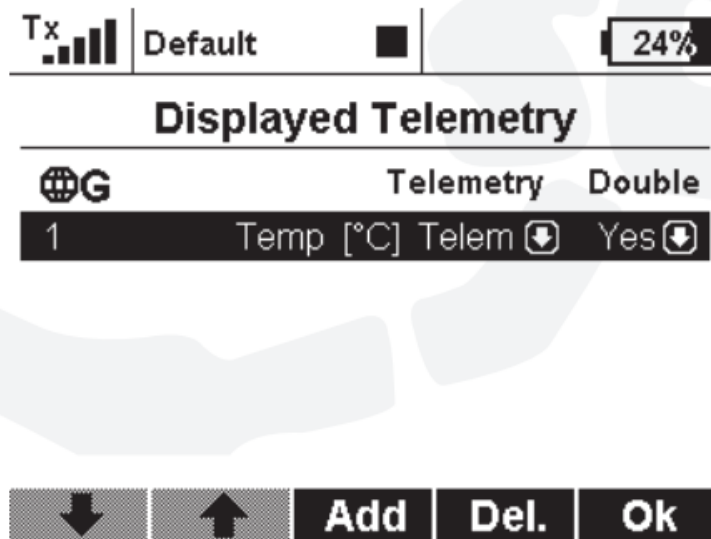
3. Go to Menu -> Model -> Device Explorer -> Rex7 -> Alternative Pin Cong and set pin to ExBus (in our example OutPin7/E2 set to ExBus)



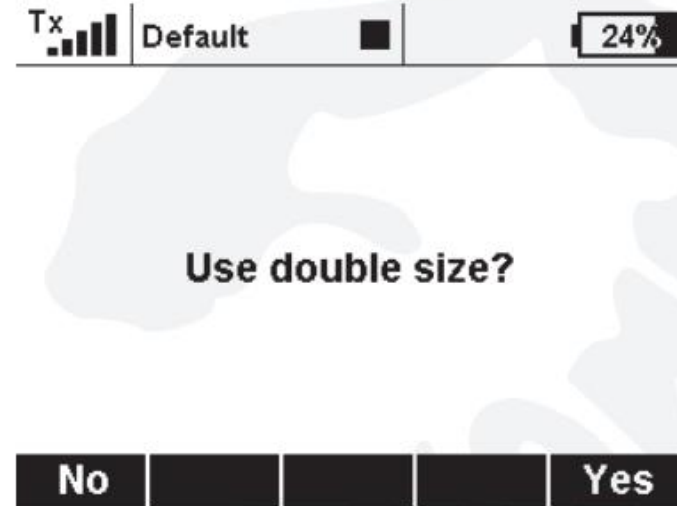
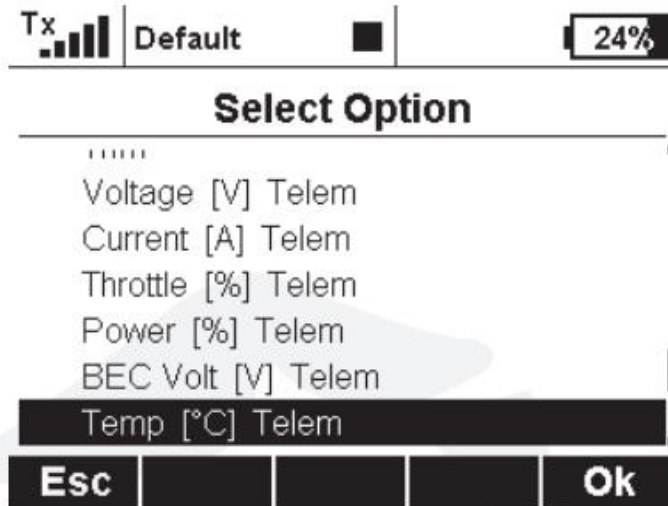
4. Go to Timer/Sensors -> Sensors/Logging Setup. You should see Scorpion ESC telemetry connected. If not press "Auto" button and wait for Telemetry sensors to be added to this list.



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



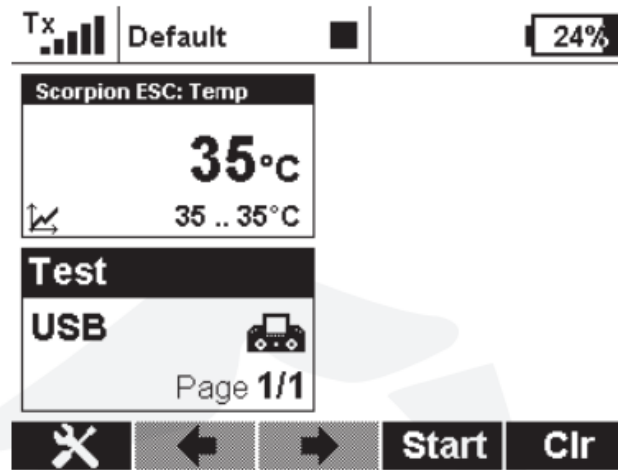
Select sensor to be added to the screen and press "OK" -> then choose the size of display -> then press "Add"



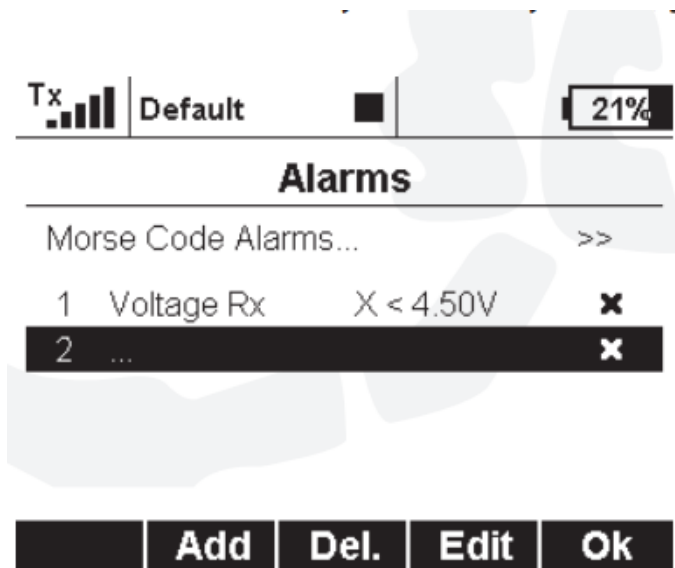
Sensor added.



You can see it on your main screen



6. To Add alarm event for your telemetry sensors, go to Timer/Sensors -> Alarms and press "Add"



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		<input checked="" type="checkbox"/>
Condition	X <	0.0A
File	...	
Activation Switch	...	
Repeat		<input checked="" type="checkbox"/>

Ok

And set condition for alarm

Tx Default 20%

Alarm

Enabled

Condition X > 12.9A

File ...

Activation Switch ...

Repeat

Announce current value by voice

Ok

Tx Default 20%

Sensors & Variables

Sensor	Repeat	Trigger	Priority
Voltage Rx	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Low
Antenna 1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Low
Antenna 2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Low
Voltage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Low
Current	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Low
Throttle			Low

Ok

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

Tx Default 20%



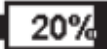
Alarms

Morse Code Alarms... >>







1	Voltage Rx	X < 4.50V	<input checked="" type="checkbox"/>
2	Current	X > 12.9A	<input checked="" type="checkbox"/>


Add Del. Edit Ok

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

Tx  Default   20%

Sensors & Variables

Sensor	Repeat	Trigger	Priority
Voltage Rx	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Low 
Antenna 1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Low 
Antenna 2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Low 
Voltage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Low 
Current	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Low 
Throttle	<input type="checkbox"/>	<input type="checkbox"/>	Low 

 OK

And setup Repeat and Trigger conditions for each sensor output.