

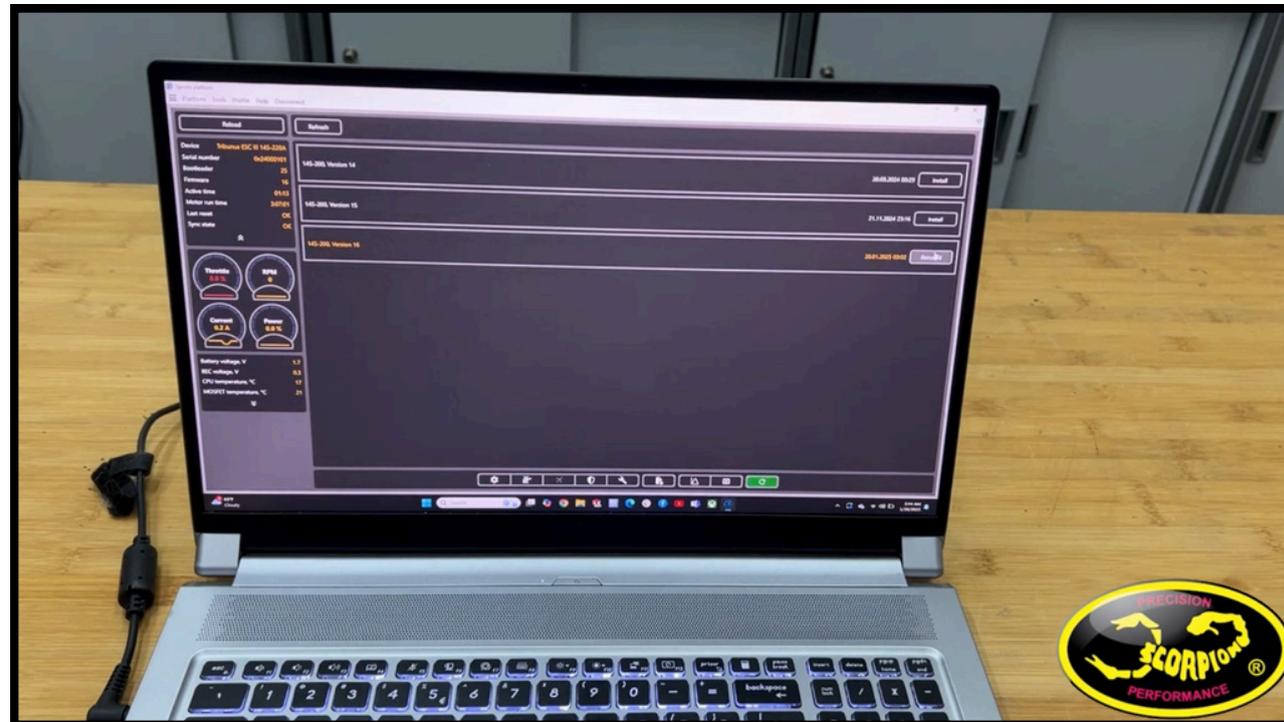


**Scorpion Power System**  
[www.scorpionsystem.com](http://www.scorpionsystem.com)

## **Scorpion Tribunus III Telemetry + JR DMSS Protocol : User Guide**

### **I. Software**

- 1. Connect Tribunus III ESC to your PC using USB-C Cable (or Vlink II cable + diode cable).**
- 2. Make sure you are using FW 16 or higher**



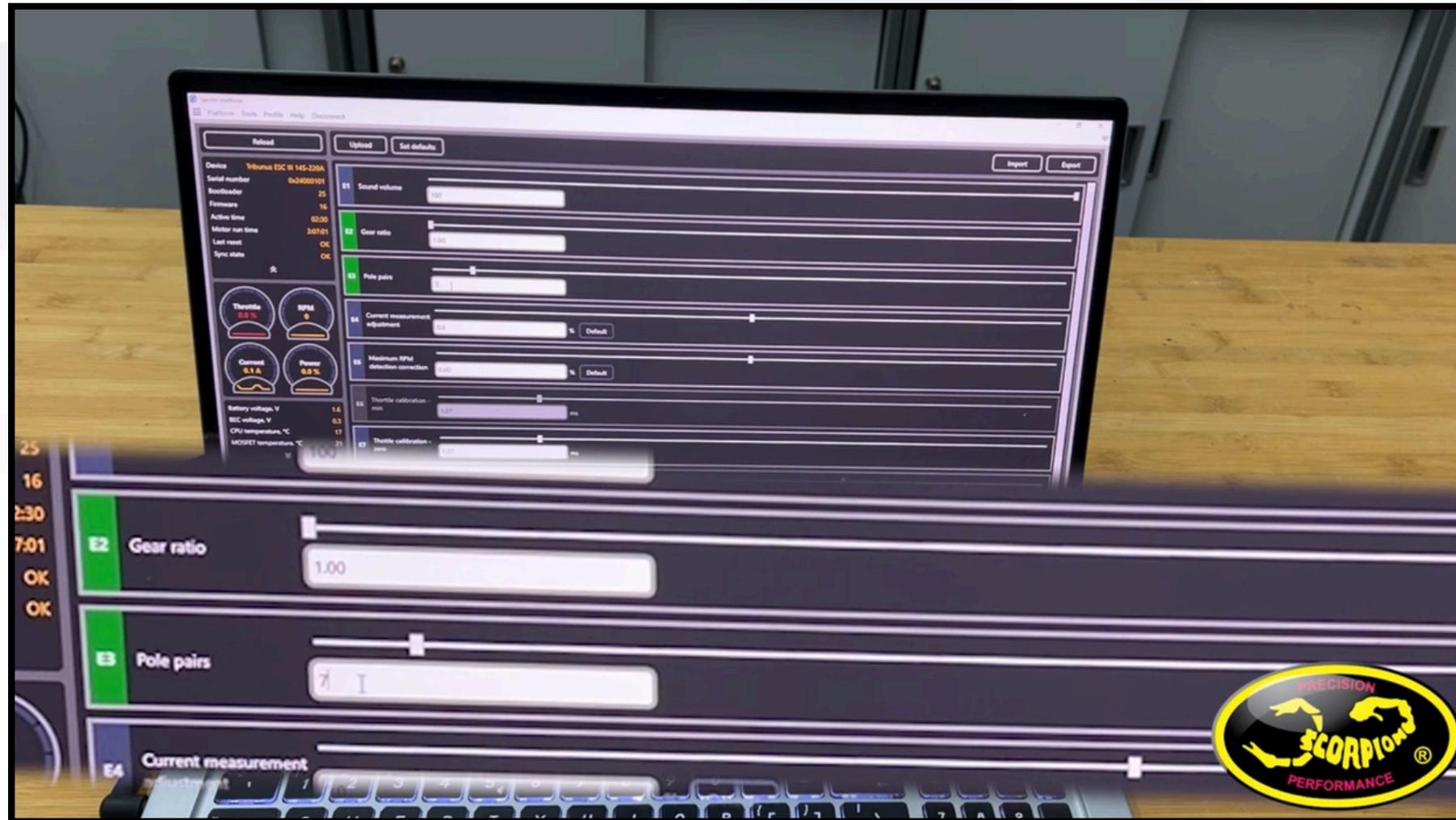
**NOTE: JR DMSS protocol is functional with Scorpion Tribunalus III ESCs ONLY**

### 3. Select JR DMSS Port in value A5 - Communication Protocol



**Make sure your JR remote, is as well updated to the latest FW to ensure proper function !**

#### 4. Set the correct pole pair (E3) and gear ratio (E2)



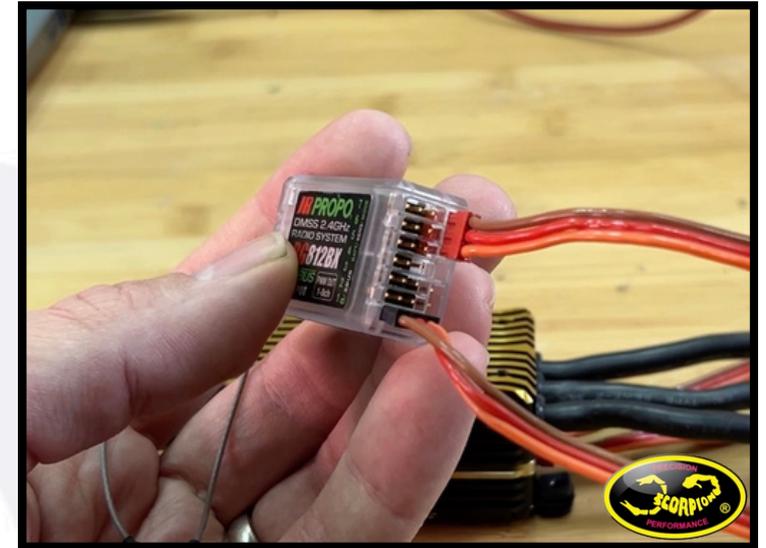
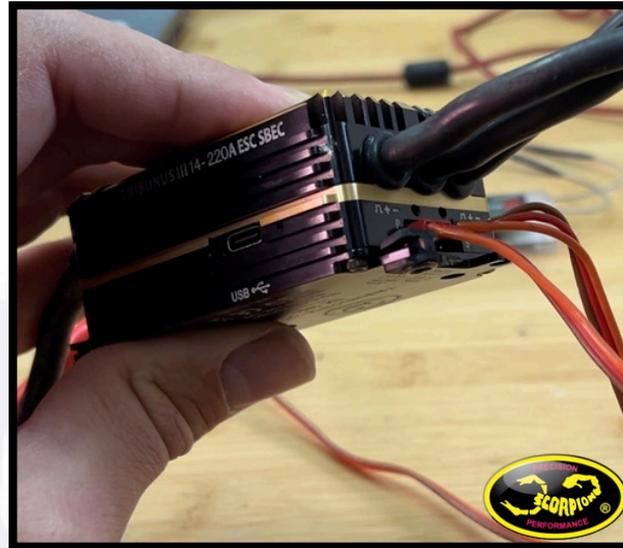
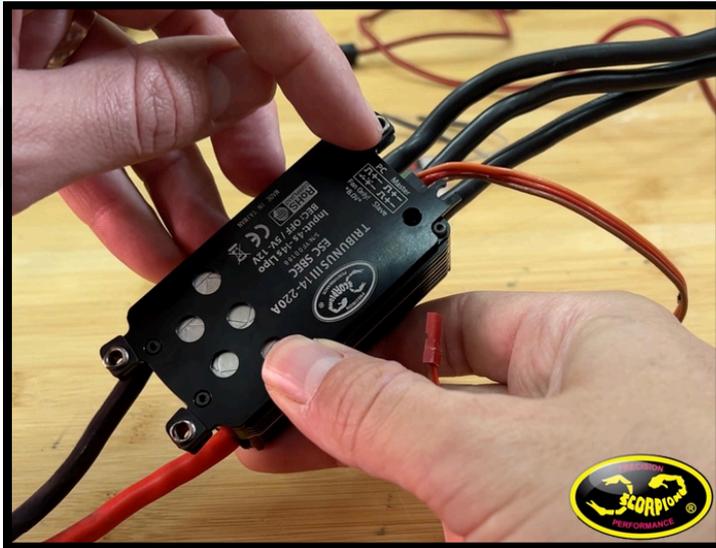
**Note: Pole pair is 1/2 of the pole count of the motor (pole count / 2 = pole pairs)**

**Note : If you do not set pole pair and gear ratio the electrical RPM will be displayed in the telemetry field rather than mechanical RPM**

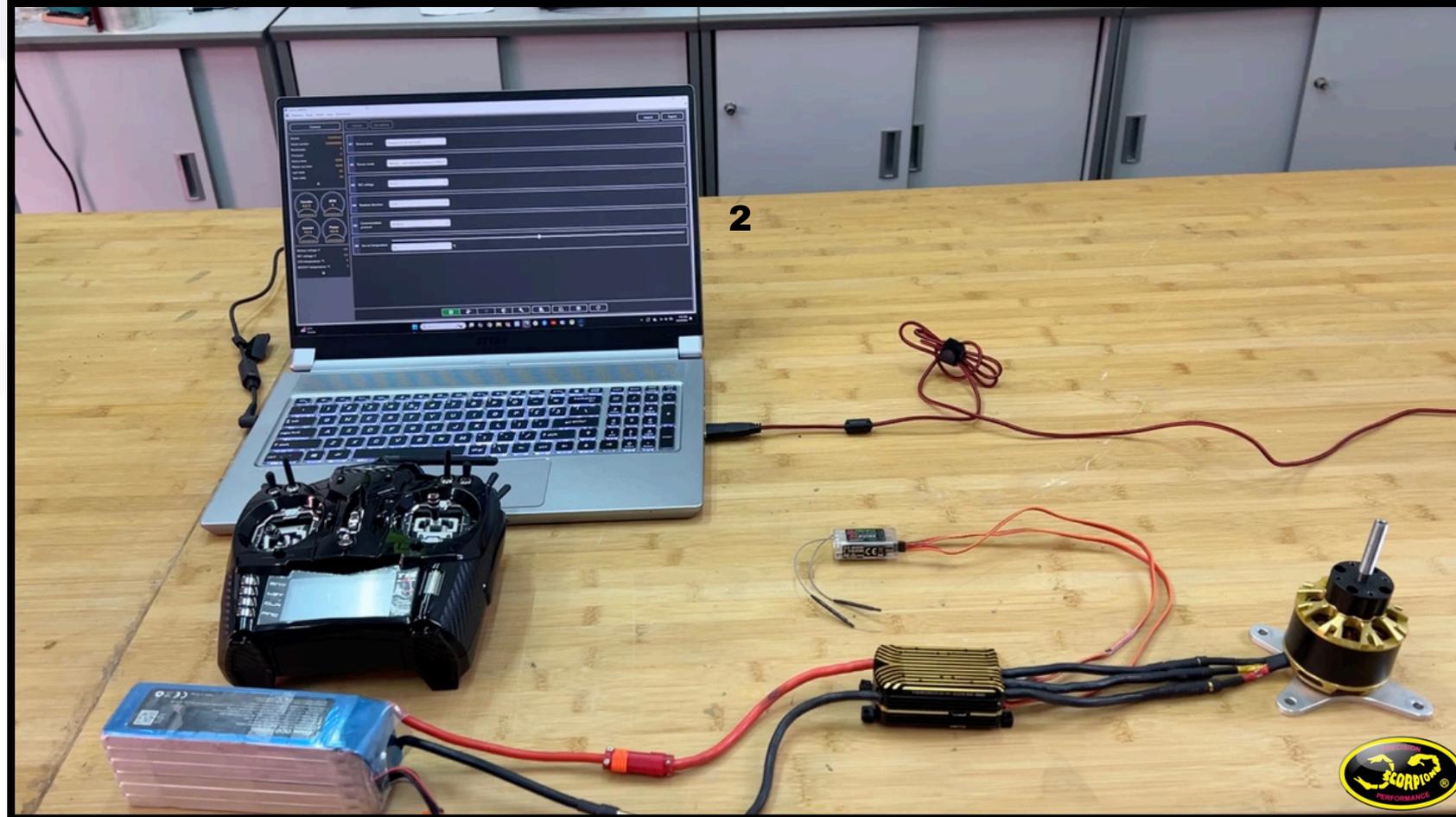
## II. Hardware connection

### 5. Connect your Tribunus-III ESC to your JR PROPO receiver

- Connection is made with a simple male to male servo extension cable (patch cable)
- Connect the PC.PORT of the ESC, to the SENS port of the JRPROPO receiver

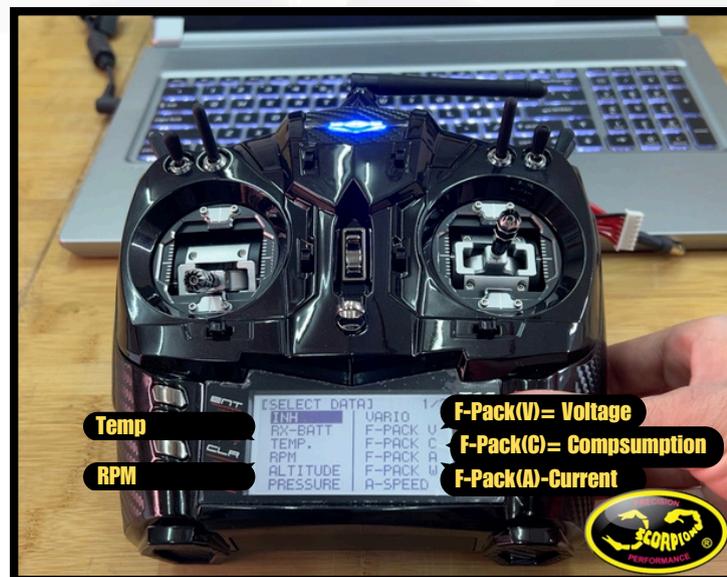


6. Remove propeller / pinion from the motor, check all connections, and apply suitable battery power to the ESC



### III. Transmitter setup

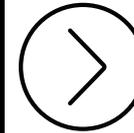
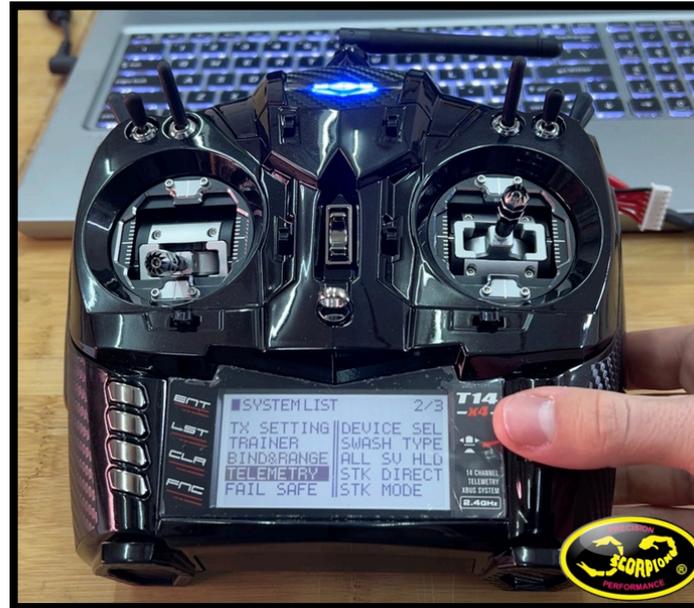
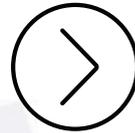
1- Scroll to the telemetry page --> Press INH and select the data wanted --> telemetry values you can set are-->  
TEMP-RPM-AMP-CONSUMPTION-VOLTAGE



Go back to main page

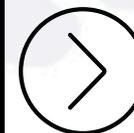
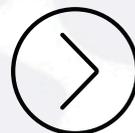
## 2-Set the data more precisely (Capacity amount of the battery or voltage alarm)

Function list --> scroll to System list--> telemetry--> choose the data



Go back to main page

Example for the capacity alarm



### III.Result

- Set the widgets with your desired values according to your preference.
- Values sent by the ESC are : Voltage / Temp / AMP/RPM / Consumption

