

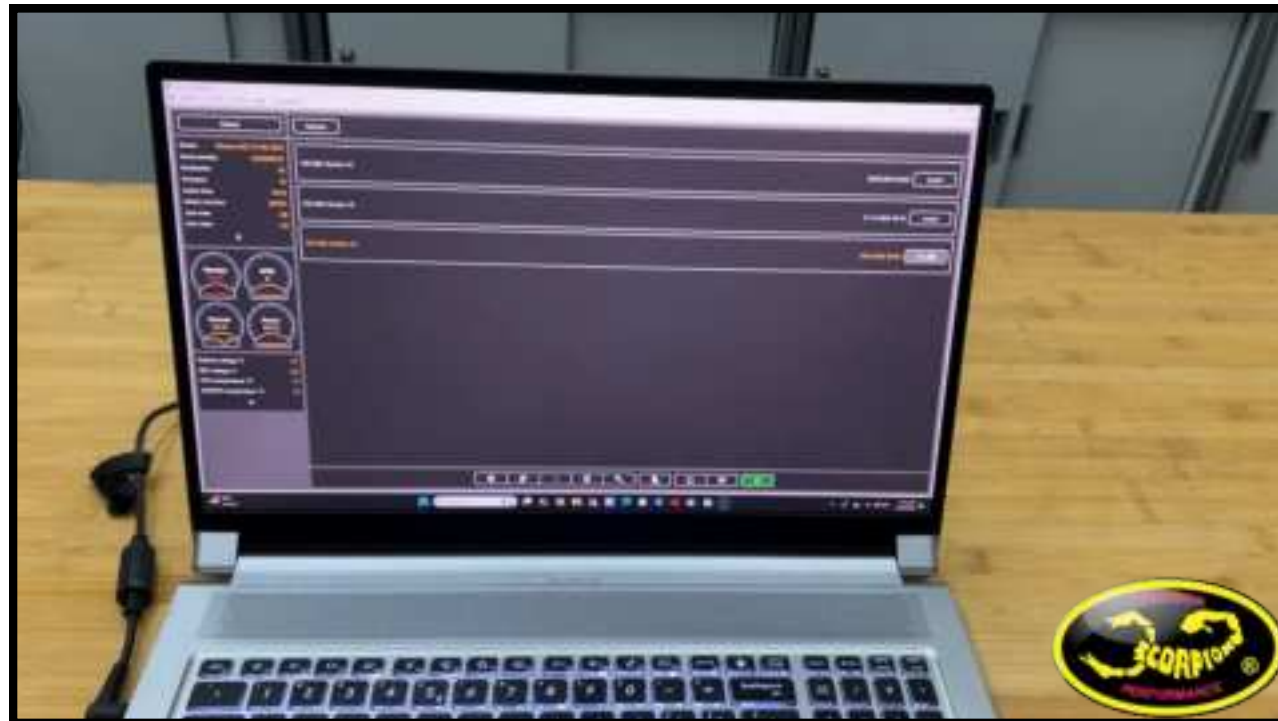


Scorpion Power System
www.scorpionsystem.com

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



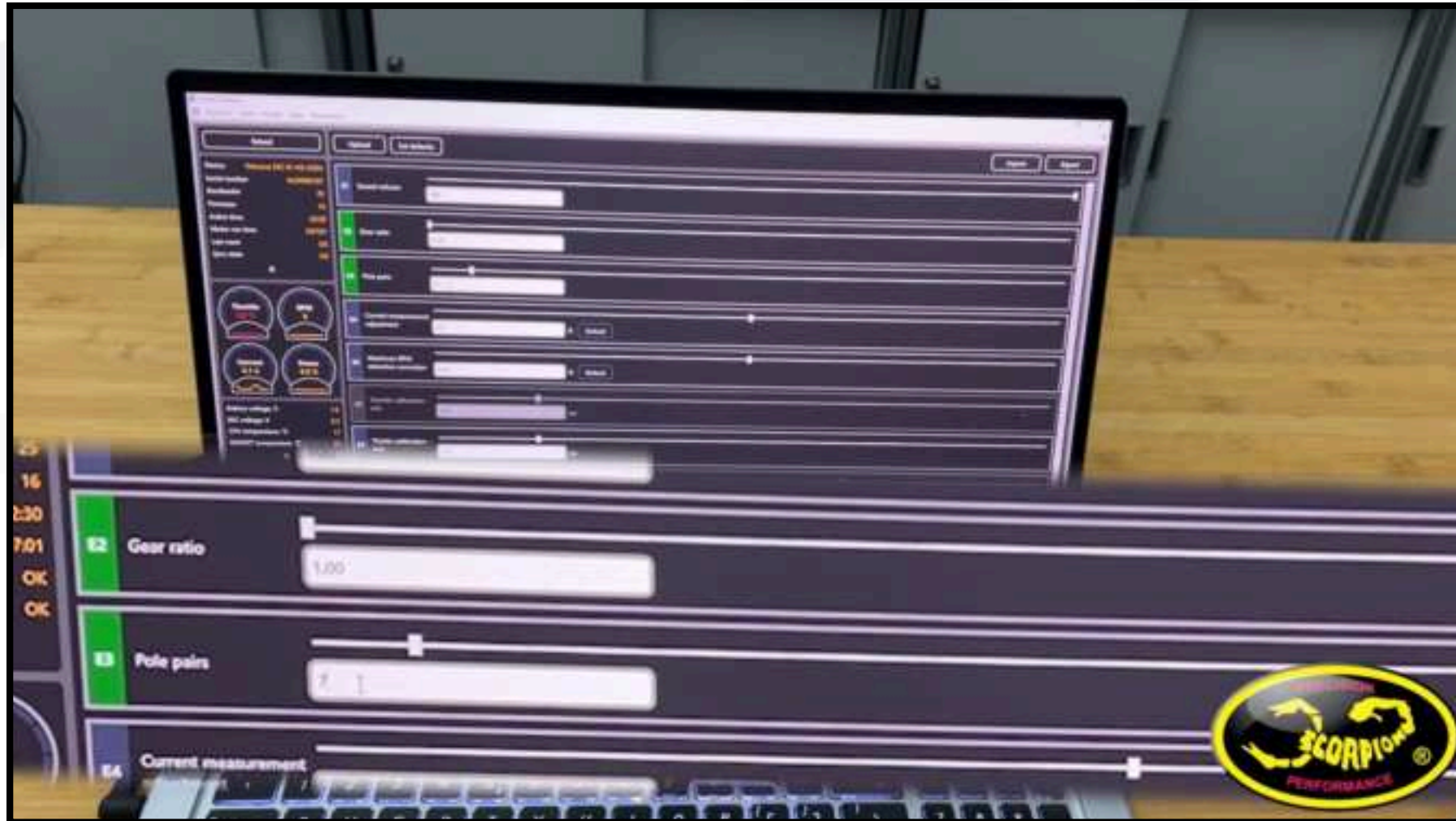
NOTE: JR DMSS protocol is functional with Scorpion Tribunus III ESCs ONLY

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)



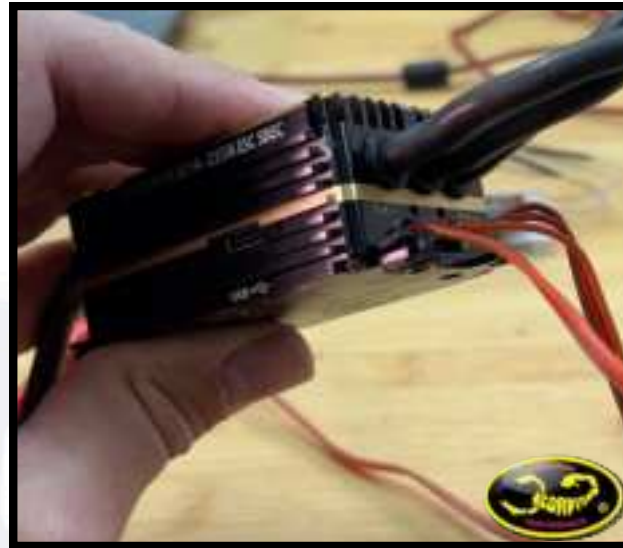
Note: Pole pair is 1/2 of the pole count of the motor (pole count / 2 = pole pairs)

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

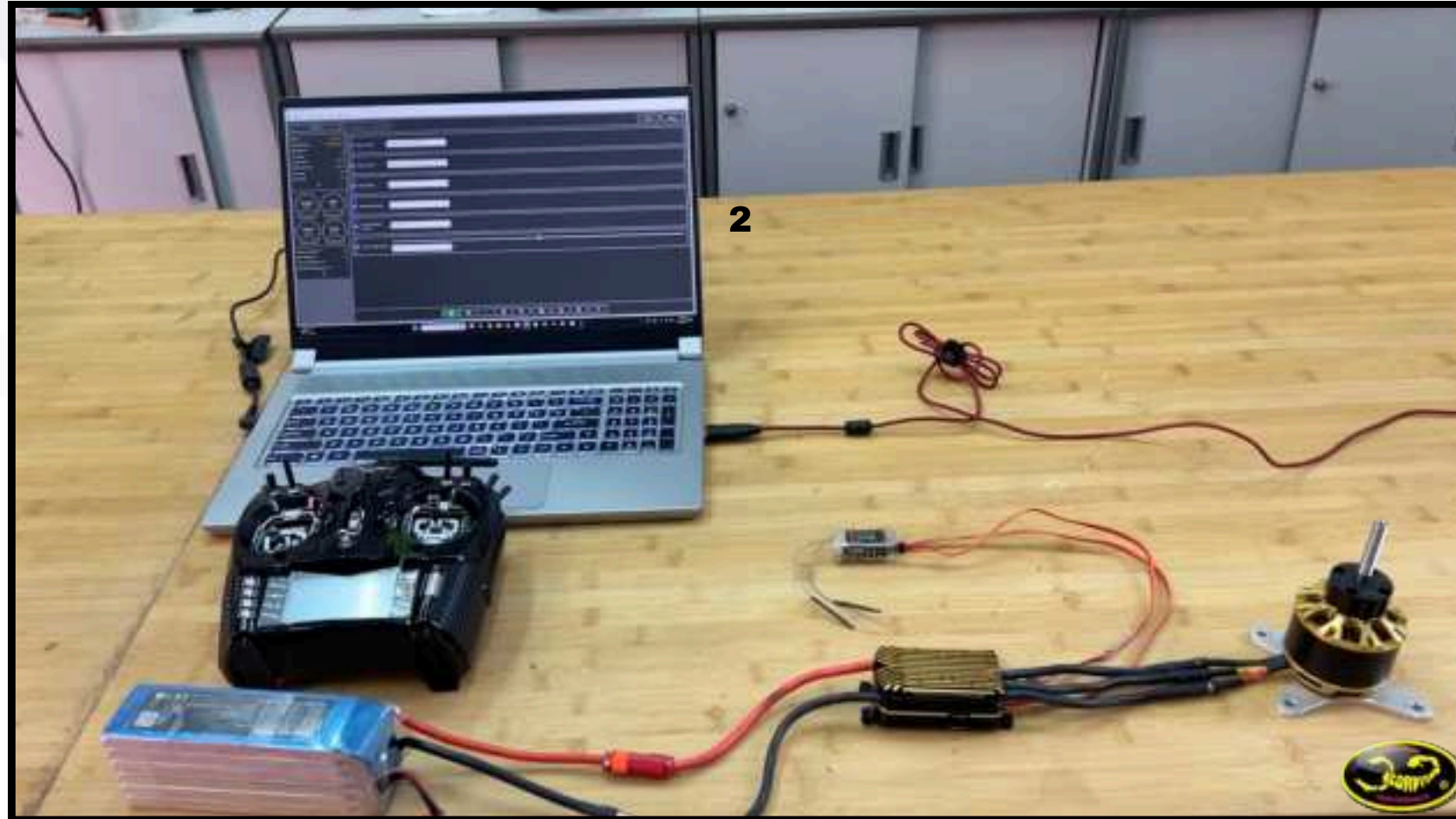
II. Hardware connection

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

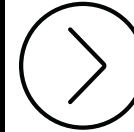
1- Scroll to the telemetry page --> Press INH and select the data wanted --> telemetry values you can set are-->
TEMP-RPM-AMP-CONSUMPTION-VOLTAGE



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

Set amount of capacity in your battery



Set the % of the battery you want to use



Capacity is how much remaining and consumption is how much you have used



III. Result

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

