Race Studio 2

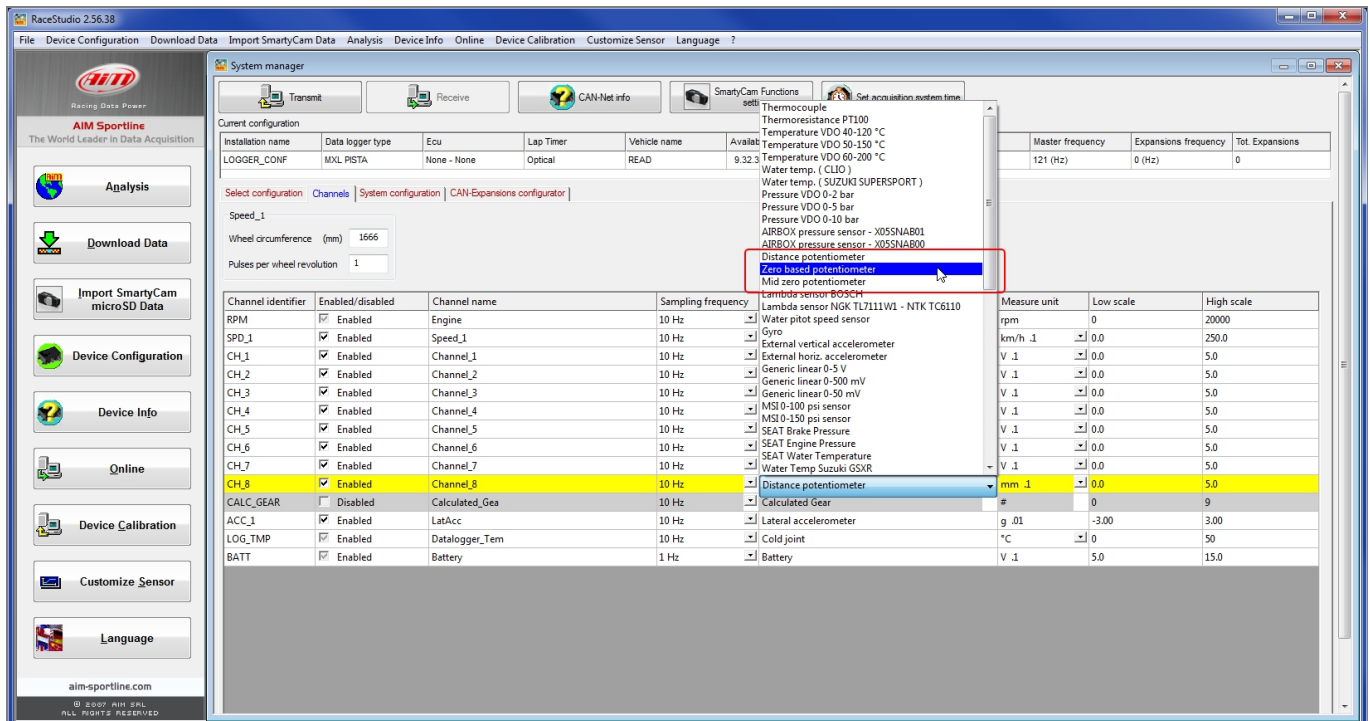# Configuring the TPS potentiometer with RS2

Question:

How do I configure the TPS potentiometer installed on my car/bike using RS2?

Answer:

To configure the TPS potentiometer with RS2:

- run RS2.
- click "Device Configuration" on the software left keyboard and select the logger in use and the configuration to set the potentiometer on.
- enter "Channels" layer
- select the channel where to set the potentiometer on (in the example channel 8) and select "Zero based potentiometer" in "Sensor type" column as shown below; if you know precisely the total potentiometer travel you can choose the measure unit among millimeters and degrees; if not the suggested choice is percentage "% 1.".
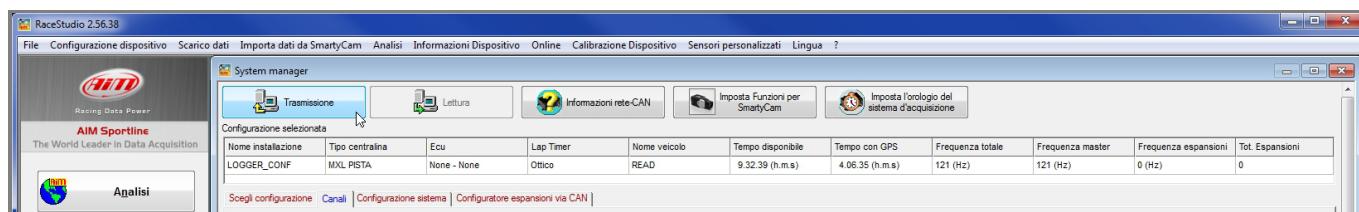
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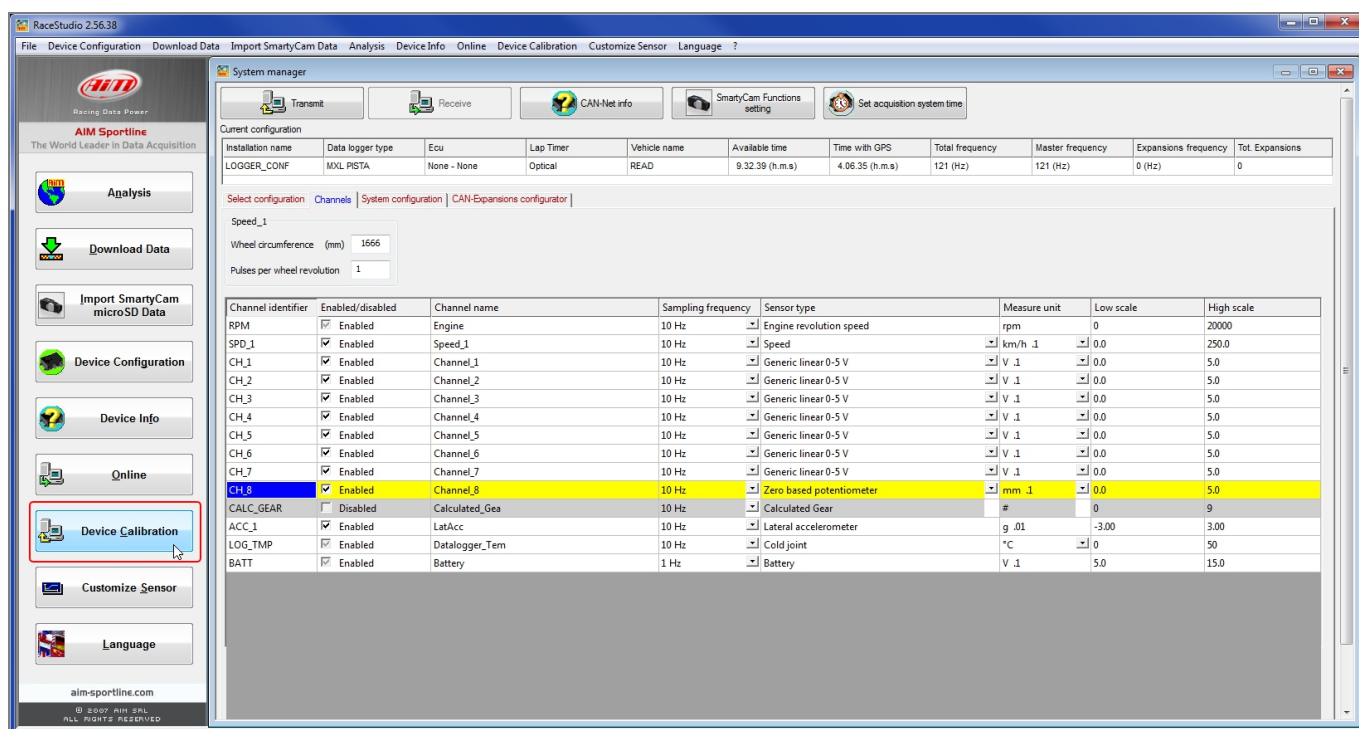
Race Studio 2

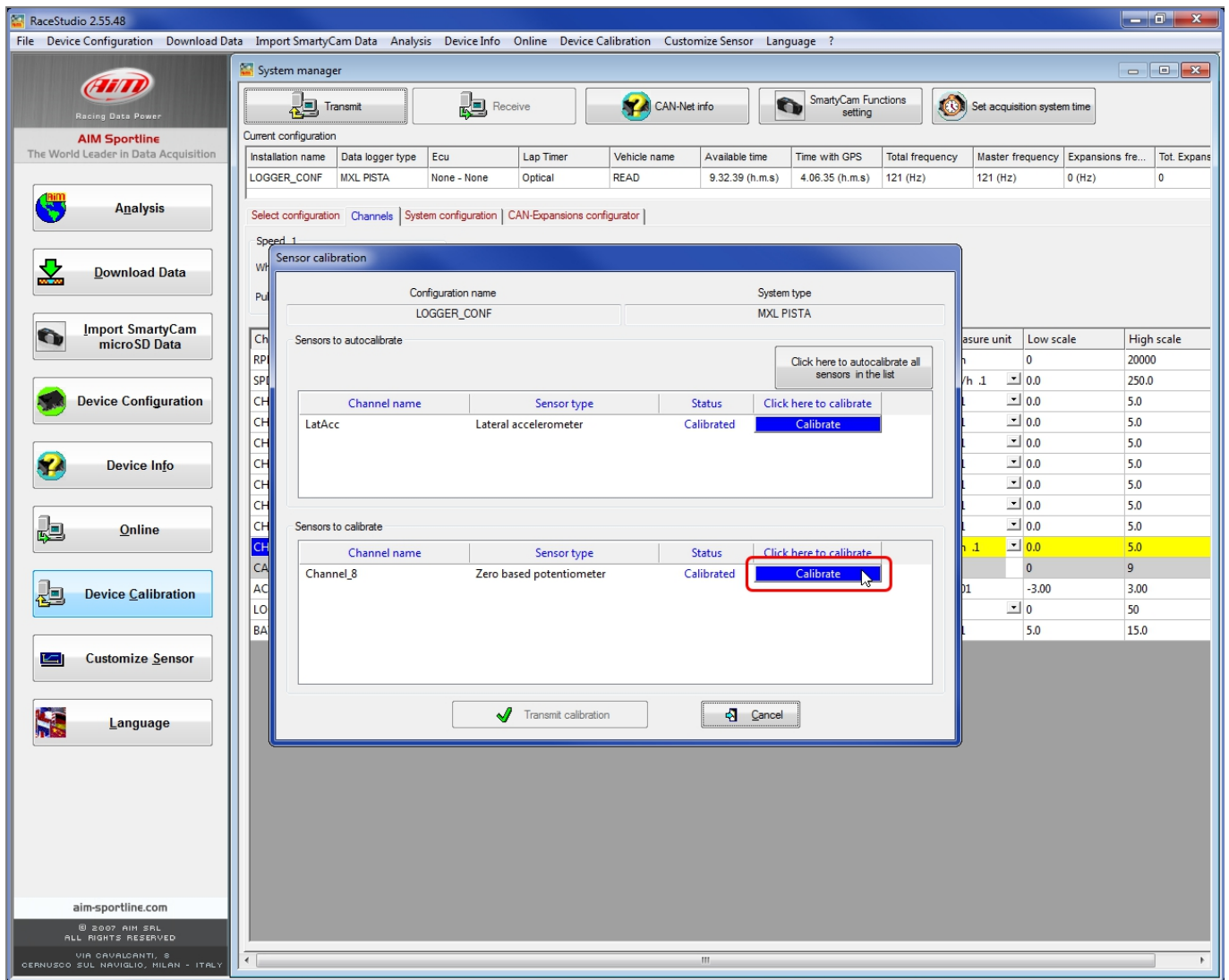Transmit the configuration to the logger pressing "Transmit".

- Press "Device Calibration" to calibrate the potentiometer

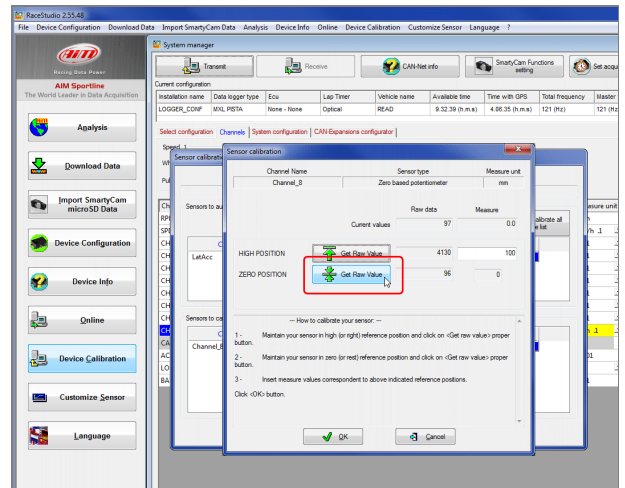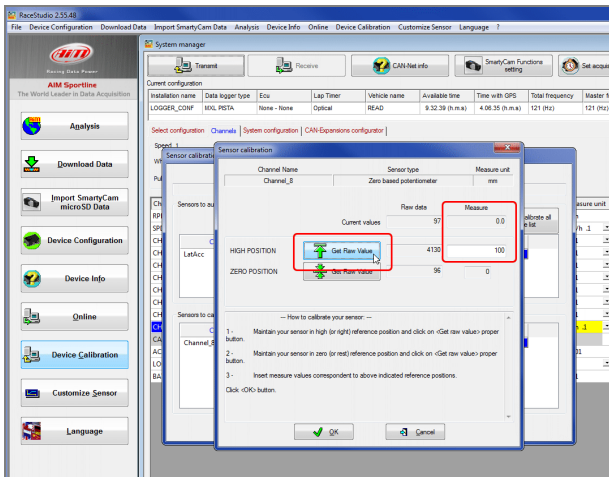**Race Studio 2**

Calibration panel shows up

- Press "Calibrate" button of "Zero based potentiometer".

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To learn the calibration points the software shows the related panel:
- with the throttle in its high position press "Get raw value" corresponding to high position, fill in the reference value in the related cells highlighted here below on the left.
  - "0" for zero position
  - "100" for high position
- With the throttle in its zero position press "Get raw value" corresponding to zero position (image here below on the right).
- Press "OK".

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When calibration is over potentiometer status will turn to "Calibrated" and become red:

- Transmit the calibration to the logger pressing "Transmit Calibration".

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