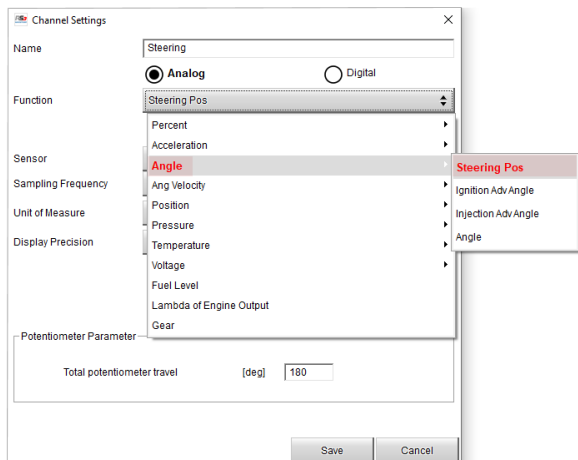


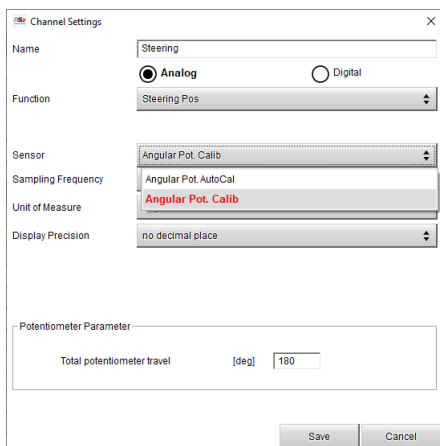
Setting Up and Calibrating a Steering Wheel Position Sensor in Race Studio 3

Select the Channel you have the sensor attached to and name the channel **Steering**, **Steer** etc.

Then click on the Function pulldown box. Select **Angle** and then **Steering Pos**.



Next click on the Sensor pulldown box. Select **Angular Pot. Calib**.



Set the Sampling Frequency. Many suggest **20 Hz**.

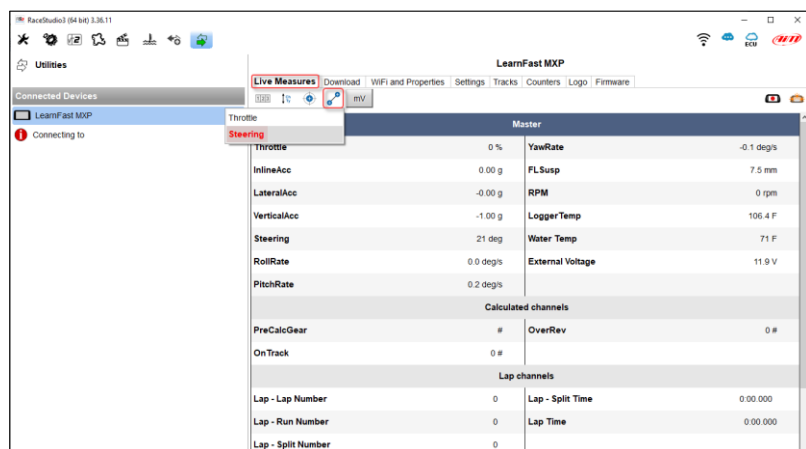
The Unit of Measure is **deg** by default and cannot be changed.

Set the Display Precision. I suggest **no decimal place**.

Finally, set the Total Potentiometer Travel to **180** deg. To finish the Channel settings, click on the **Save** button.

Transmit the configuration to the logger by clicking on the **Transmit** button.

After getting the Channel settings correct and transmitted to the logger, go to **Live Measures** and click on the **Calibrate** button and select the **Steering** sensor from the list.

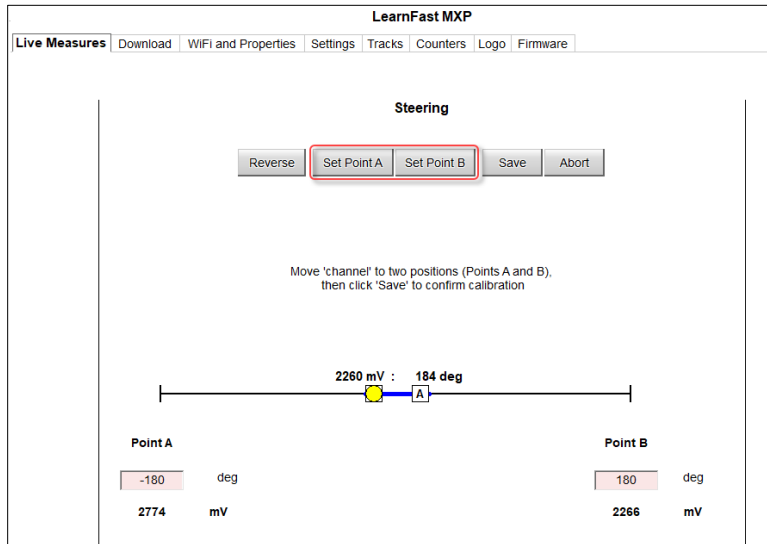


The first thing to do on this screen is set the values you want your Steering position sensor to display and I suggest -180 and 180 degrees. I have set Point A to **-180%** and Point B to **180%**.

Next you need to make sure the Steering wheel is centered to start and then turned ½ turn to the left or -180 degrees and press on the **Set Point A** button.

Then turn the Steering wheel back to center and then turned ½ turn to the right or 180 degrees and press on the **Set Point B** button.

Then click on the **Save** button.



Then as a final check, while still in the Live Measures function, turn your Steering wheel and watch the Steering value on the RS3 screen and check to make sure that the values match the amount you are turning the Steering wheel. Here the Steering wheel was turned left and displaying -78 degrees.

Here I have clicked on the Steering value in Live Measures and it is highlighted and displayed along the right edge of the screen and easier to view specific channels in the Live Measures function.

