

AiM Infotech

AiM pressure sensor  
0-300 PSI  
Race Studio 3  
configuration

Release 1.00

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# 1

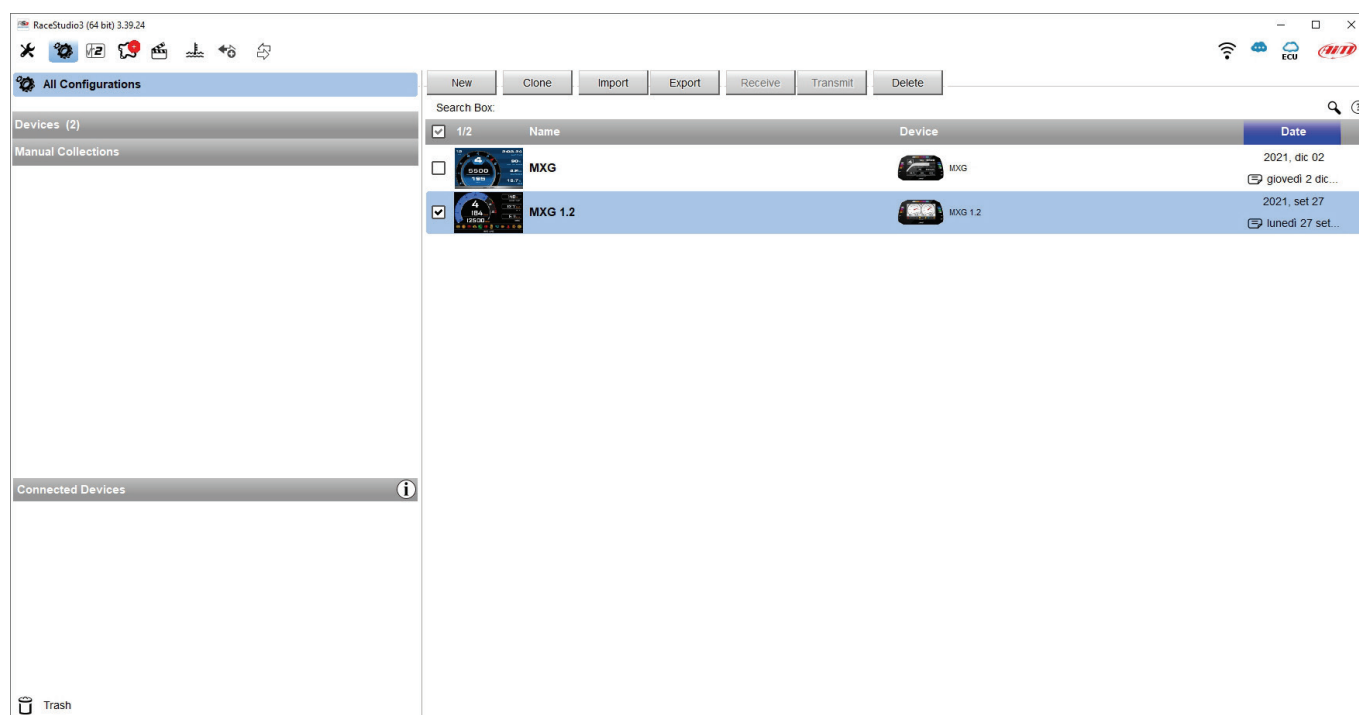
## Introduction

Once pressure sensor 0-300 PSI is physically connected to one of the device channels, it has to be loaded in the related configuration using AiM configuration software. In this datasheet it is loaded using **Race Studio 3** software.

# 2

## Setup with Race Studio 3

To load the sensor in the configuration, keeping the device switched on and connected to the PC run the software and select the configuration where to load the sensor on (MXG 1.2 in the example).





The software enters “Channels” layer: select the channel where to load the sensor on and fill in the panel that is prompted.

**Please note:** different AiM devices have a different channels management; this is why “Channel Settings” is different according to the device to configure.

AiM devices that manages the channel **only as analog** are:

- SW4
- EVO5
- EVO4S
- MXL2/MXG/MXS/MXS Strada
- MXm
- MXK10 Gen4
- MXK10 Gen5

- click the channel where to load the sensor on
- "Channel setting" panel is prompted: select the function "Pressure" and the pressure type among:
  - Oil Pressure
  - Brake Pressure(as in the example)
  - Wheel Brake Pressure
  - Fuel pressure
  - Pressure (generic pressure)
- the software sets a specific sensor: click it and **select** "0-300 psi (X05PSA00300P18)"
- press "Save"



AiM devices that manage the channel both **as analog and as digital** are:

- MX2E
- MXS 1.2/MXP/MXG 1.2
- MXS 1.2 Strada/MXP Strada/MXG 1.2 Strada
- MXL2/MXG/MXS/MXS Strada
- MXsl

To configure the pressure sensor:

- click the channel where to load the sensor on
- "Channel setting" is prompted: select "Analog" management
- select the configuration function "Pressure" and the pressure type among:
  - Oil Pressure
  - Brake Pressure (as in the example)
  - Wheel Brake Pressure
  - Fuel pressure
  - Pressure (generica pressure)
- the software sets a specific sensor: click it and **select** "0-300 psi (X05PSA00300P18)"
- press "Save"

The screenshot shows the RaceStudio3 (64 bit) 3.39.24 interface. The main window displays a list of channels with columns for ID, Name, Function, Sensor, Unit, Freq, and Parameters. The 'Speed1' channel is selected, and its settings are shown in the 'Channel Settings' dialog box. The 'Function' is set to 'Pressure', and the 'Sensor' is set to '0-300 psi (X05PSA00300P18)'. The 'Unit' is set to 'bar' and the 'Display Precision' is set to 'no decimal place'. The 'Save' button is highlighted.

Below the main window, there are three smaller 'Channel Settings' dialog boxes, each showing the configuration for a different channel (Speed2, Speed3, Speed4). These dialog boxes are also showing the 'Pressure' function and the '0-300 psi (X05PSA00300P18)' sensor. The 'Save' button is highlighted in each of these dialog boxes.

At the bottom of the interface, there is a table of channels with columns for ID, Name, Function, Sensor, Unit, Freq, and Parameters. The channels listed are: Altitude, Odometer, Luminosity, Fuel Level, Fuel Used, Temperature, and Logger Temp.