**Channels**

# Odometers reference speed

**Question:**
Which speed is taken as reference for the odometers travelled distance calculation?

**Answer:**
The speeds that rule the odometers values progression are:

- SPEED 1, 2, 3, 4 (where available): these are the speeds read from sensors directly connected to the AiM device digital speed inputs.
- GPS SPEED: measured if an AiM GPS08 module is connected to the AiM expansions network.
- ECU SPEED: speeds available through CAN, RS232 or K-line communication protocols, linking the AiM device to vehicle's control units (ECU, ABS, etc). Several speed channels can be available depending on the specific protocol.

Considering the previously mentioned ones, the odometers reference speed is the highest measured among the first 6 enabled inputs. Priority is given first to digital inputs, then to GPS speed and ECU protocols speed. For this reason, it is strongly recommended to disable every unused input and check the configuration settings.