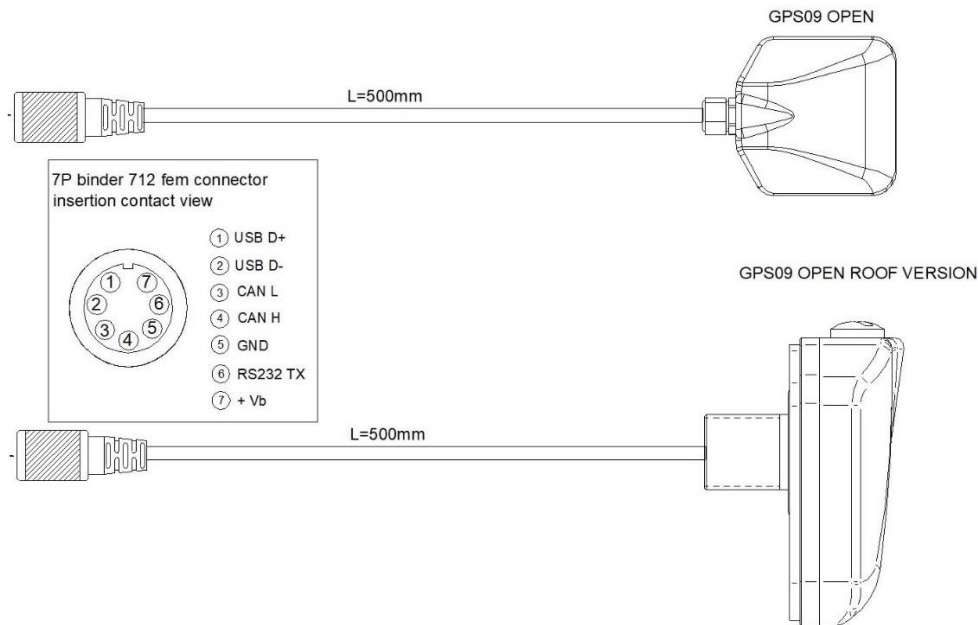


GPS09 C Open

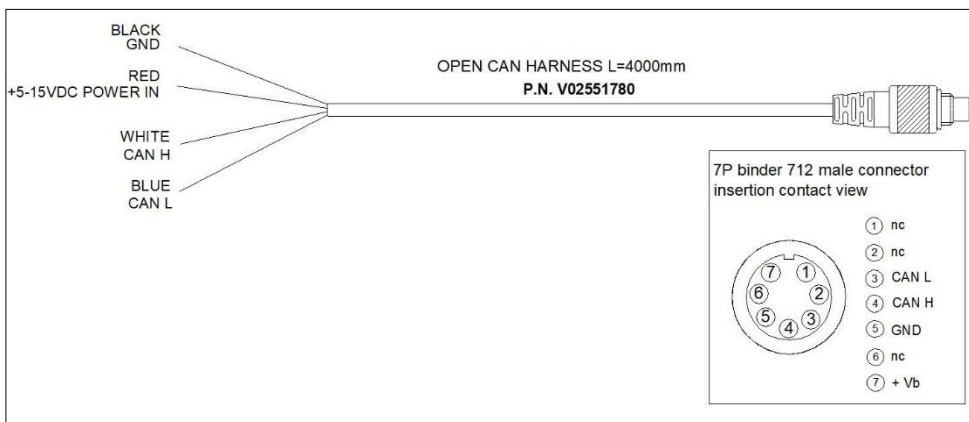
The system

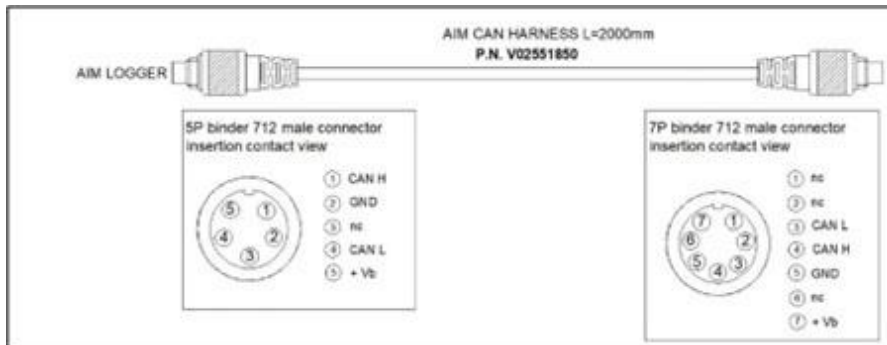
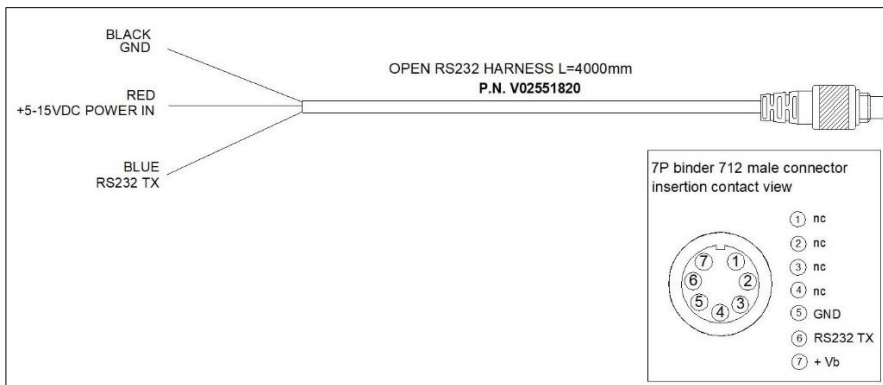
The GPS09C Open features three output streams:

- Open CAN connection. Freely user configurable
- Open RS232 connection. Freely user configurable
- AiM CAN connection. To be connected as expansion in the AiM CAN network



The module comes with a 7-pin connector, as shown in fig 1, to which you may connect the proper cable, in dependence upon the connection you need to manage:



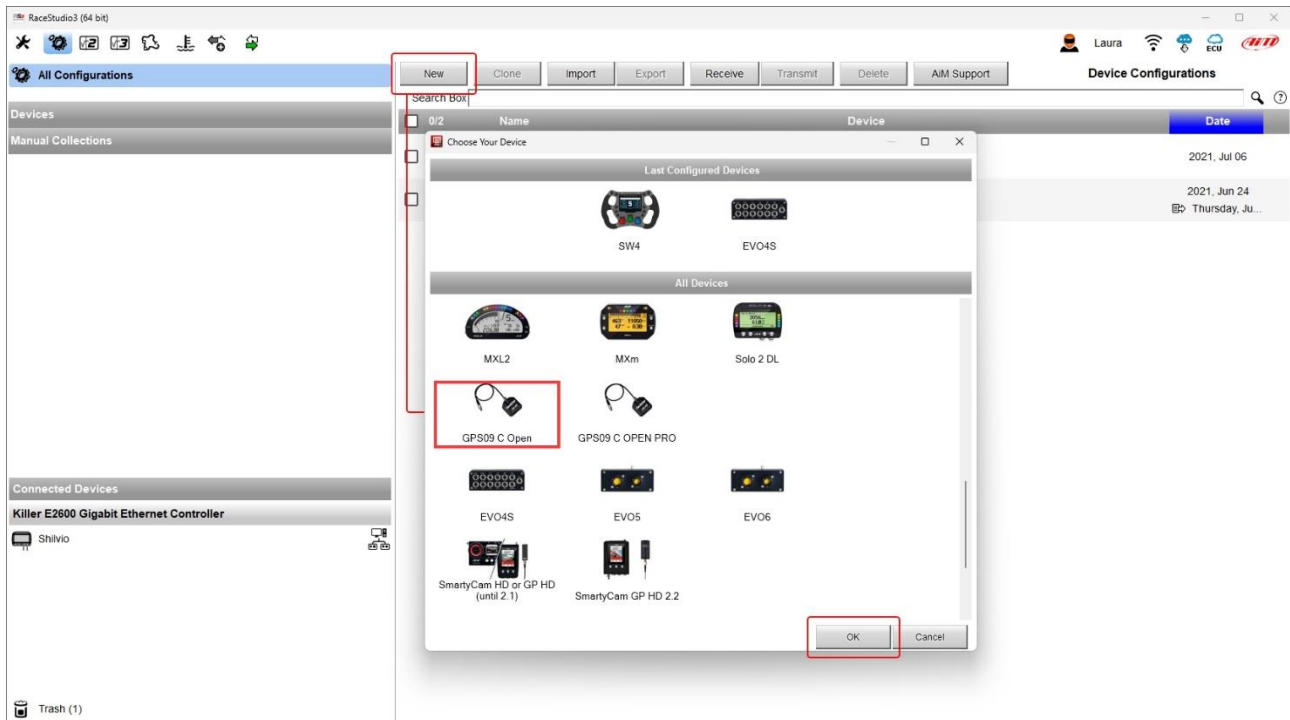


Configuration

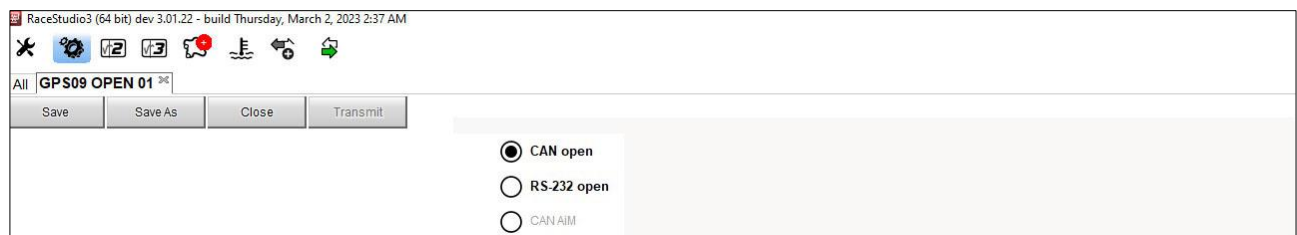
In order to configure the GPS09C Open, you need to connect it to your PC using the proper cable:



After having connected the GPS09C to your PC USB cable, you have to run our software RaceStudio3 and use the configuration manager for configuring it.



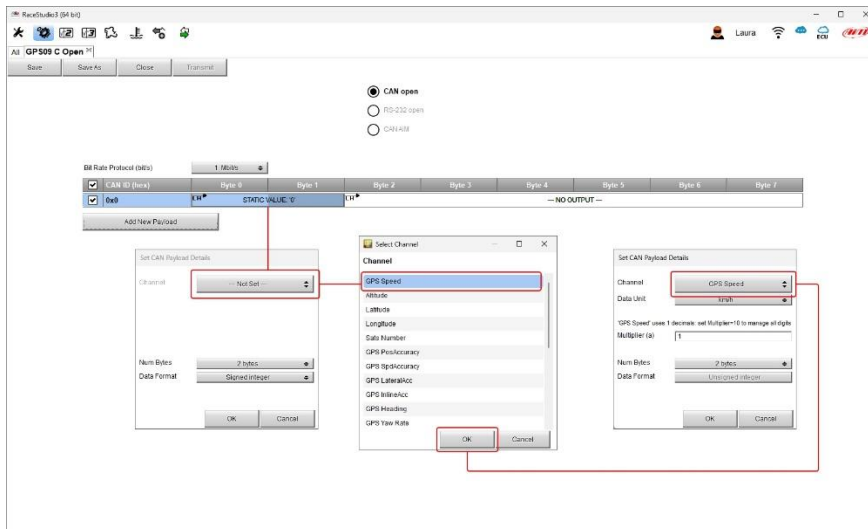
CAN Bus connection



If you select the CAN Open stream, you may configure the CAN messages you need.

It is possible to set the baud rate for the CAN bus and, for every message:

- ID
- DLC (1- 8 bytes)
- Byte order (little endian, big endian)
- Message frequency (1-5-10-25 Hz)

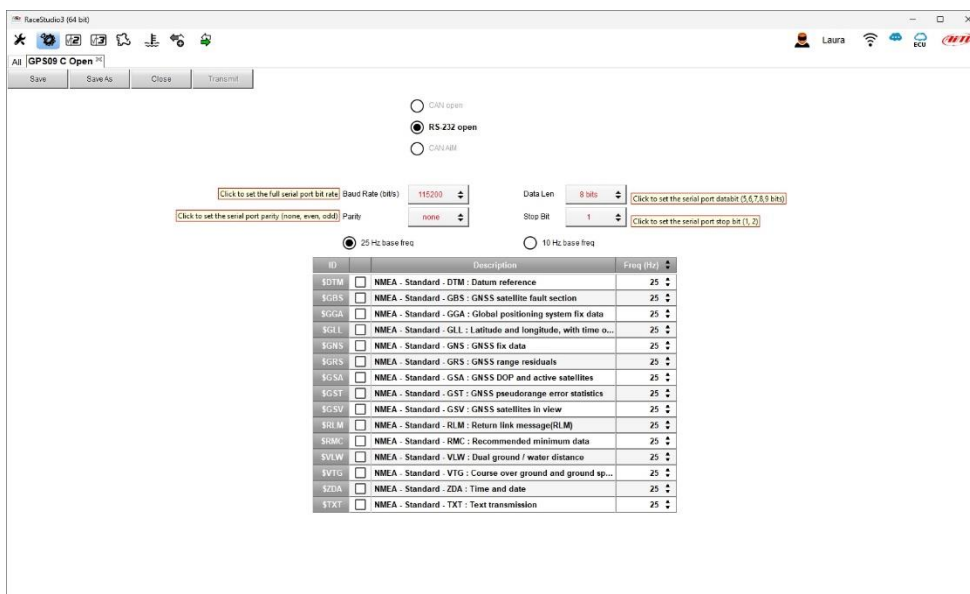


The information the GPS09C Open may transmit in CAN are:

- Altitude
- Latitude
- Longitude
- Sats number
- Pos Accuracy
- Speed Accuracy
- GPS Lateral acceleration
- GPS Linear acceleration
- GPS Heading
- GPS Yaw rate
- GPS Hour
- GPS Min
- GPS Sec
- GPS Millisec
- Year
- Month
- Day
- Week number
- ITOW
- Unix Time

RS232 Messages

If you set the GPS09c in order to transmit the data through the RS232, it will transmit the standard NMEA messages.



It is of course possible to set all the parameters related to the RS232 protocol, and the frequency at which every message is transmitted.

The messages the system may transmit are:

- | | |
|------------|------------|
| • NMEA DTM | • NMEA GSV |
| • NMEA GBS | • NMEA RLM |
| • NMEA GGA | • NMEA RMC |
| • NMEA GLL | • NMEA VLW |
| • NMEA GNS | • NMEA VTG |
| • NMEA GRS | • NMEA ZDA |
| • NMEA GSA | • NMEA TXT |
| • NMEA GST | |

The meaning of all these NMEA messages is described in www.nmea.org

AiM CAN connection.

In case you need to connect the device in an AiM CAN Network, you have to select AiM CAN Connection: the device is automatically managed by the AiM dash or Logger, so you don't need to configure anything else.

