

Maserati Quattroporte / GT and Alfa Romeo “competition 8C”
OBDII connection



INTRODUCTION

AIM has developed special applications for many of the most common ECUs: by special applications we mean user-friendly systems which allow to easily connect your ECU to our high tech data loggers: user needs only to install harness between the **logger** and the ECU.

Once connected, the logger displays (and/or records, depending on the logger and on the ECU data stream) values like RPM, engine load, throttle position (TPS), air and water temperatures, battery voltage, speed, gear, lambda value (air/fuel ratio) analog channels...

All AIM loggers include – free of charge – **Race Studio 2** software, a powerful tool to configure the system and analyze recorded data on your PC.

Warning: once the DLC is connected to the logger, it is necessary to set it in Race Studio 2 software.

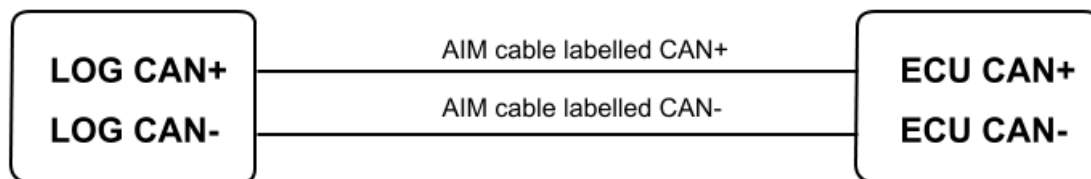
Select Manufacturer “MASERATI” and Model “QuattroPorte_GT (From2007)”.
Refer to Race Studio Configuration user manual for further information concerning the loggers configuration.

1 – Car models and Communication Setup

Maserati Quattroporte Granturismo protocol is compatible with the following car models:

- Maserati **Quattroporte** from 2007;
- Maserati **Granturismo** (all models);
- **Alfa Romeo 8 C** competition;

These cars use the CAN protocol to communicate parameters to AIM data-loggers;



2 – Connection to AIM loggers

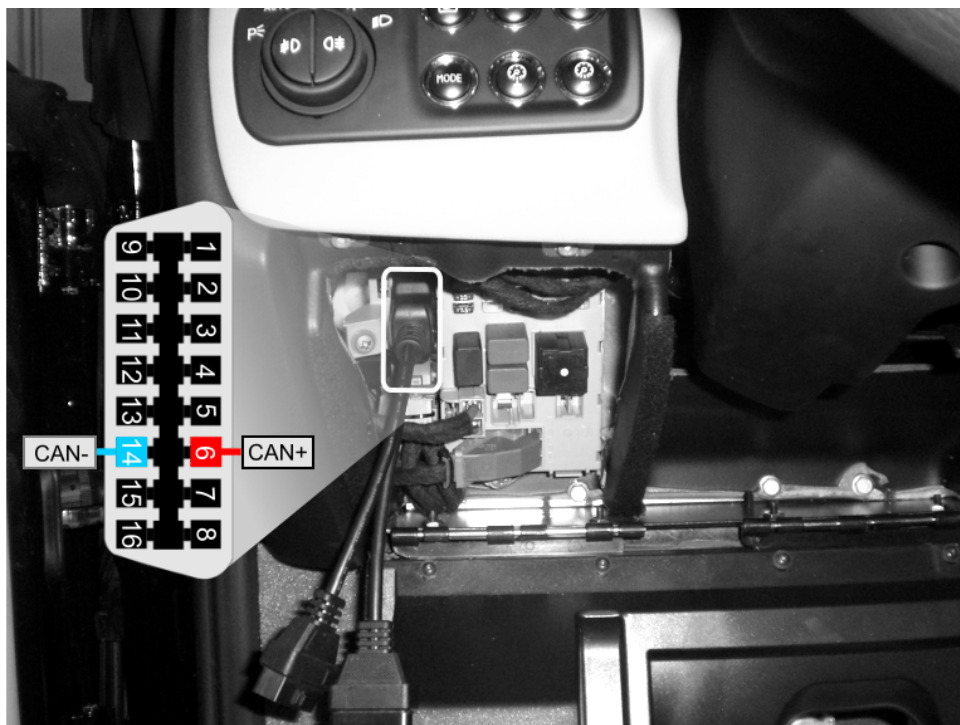
In order to get ECU data it is enough to connect AIM logger to DLC. DLC connector is placed on the left of the steering column under the dashboard (see image below). Lift the plastic cover to find it.



Note: The image above refers to Maserati GT; DLC position can be different on the other compatible cars models.

To connect AIM logger to the vehicle:

- connect **pin 6 of DLC connector** to AIM cable labelled **CAN+**;
- connect **pin 14 of DLC connector** to AIM cable labelled **CAN-**.



3 – Communication protocol

Channels received by AIM loggers connected to Maserati or Alfa Romeo DLC are:

ID	CHANNEL NAME	FUNCTION
ECU_1	QP_RPM	RPM
ECU_2	QP_PPS	Pedal position sensor
ECU_3	QP_TPS	Throttle position sensor
ECU_4	QP_ECT	Engine cooling temperature
ECU_5	QP_CAT_T_LAMP	Catalyst Temperature Lamp (0=N, 1=H, 2= VH)
ECU_6	QP_BRAKE_SW	Brake switch
ECU_7	QP_STEER_ANGLE	Steering angle
ECU_8	QP_BRAKE_PRESS	Brake pressure
ECU_9	QP_GEAR	Gear
ECU_10	QP_WH_SPD_RR	Wheel speed rear right
ECU_11	QP_WH_SPD_RL	Wheel speed rear left
ECU_12	QP_WH_SPD_FR	Wheel speed front right
ECU_13	QP_WH_SPD_FL	Wheel speed front left