

## Haltech Platinum Sport 1000 and Platinum Sport 2000 ECUs



## INTRODUCTION

AIM has developed special applications for many of the most popular 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 and configuration) 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 ECU is connected to the logger, it is necessary to set it in the logger configuration in Race Studio 2 software.**

**Select Manufacturer "AIM" Model "CAN".**

**Refer to Race Studio Configuration user manual for further information concerning the loggers configuration.**

**Warning: for any further information concerning ECU firmware/software settings and/or upgrading it is always recommended to address to the ECU dealer.**



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## Chapter 1 – Haltech ECU models

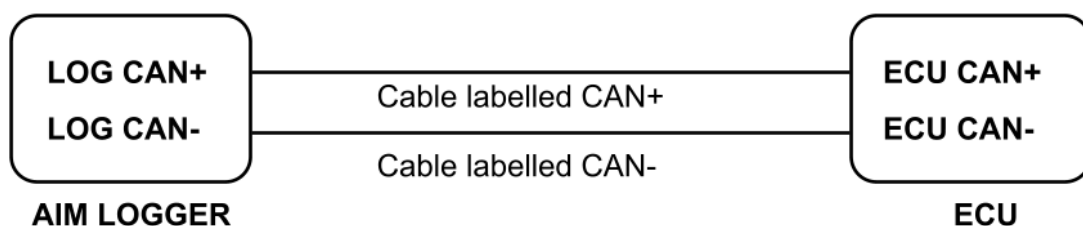
This tutorial refers to the following Haltech ECUs:

- Haltech Platinum Sport 1000
- Haltech Platinum Sport 2000

## Chapter 2 – CAN communication Setup

Haltech Platinum Sport 1000 and 2000 are equipped with a CAN communication setup used to communicate parameters to an external logger.

The image here below shows the standard CAN communication setup.



## Chapter 3 – Connection to AIM loggers

Platinum Sport 1000 and 2000 ECUs are equipped with 2 connectors – named A and B – used to communicate parameters to an external data logger. The connectors are equipped respectively with 34 pins – A connector and 26 pins – B connector.

To connect AIM loggers to ECU:

- connect AIM cable labelled CAN+ with pin 23 of the B connector.
- connect AIM cable labelled CAN- with pin 24 of the B connector.

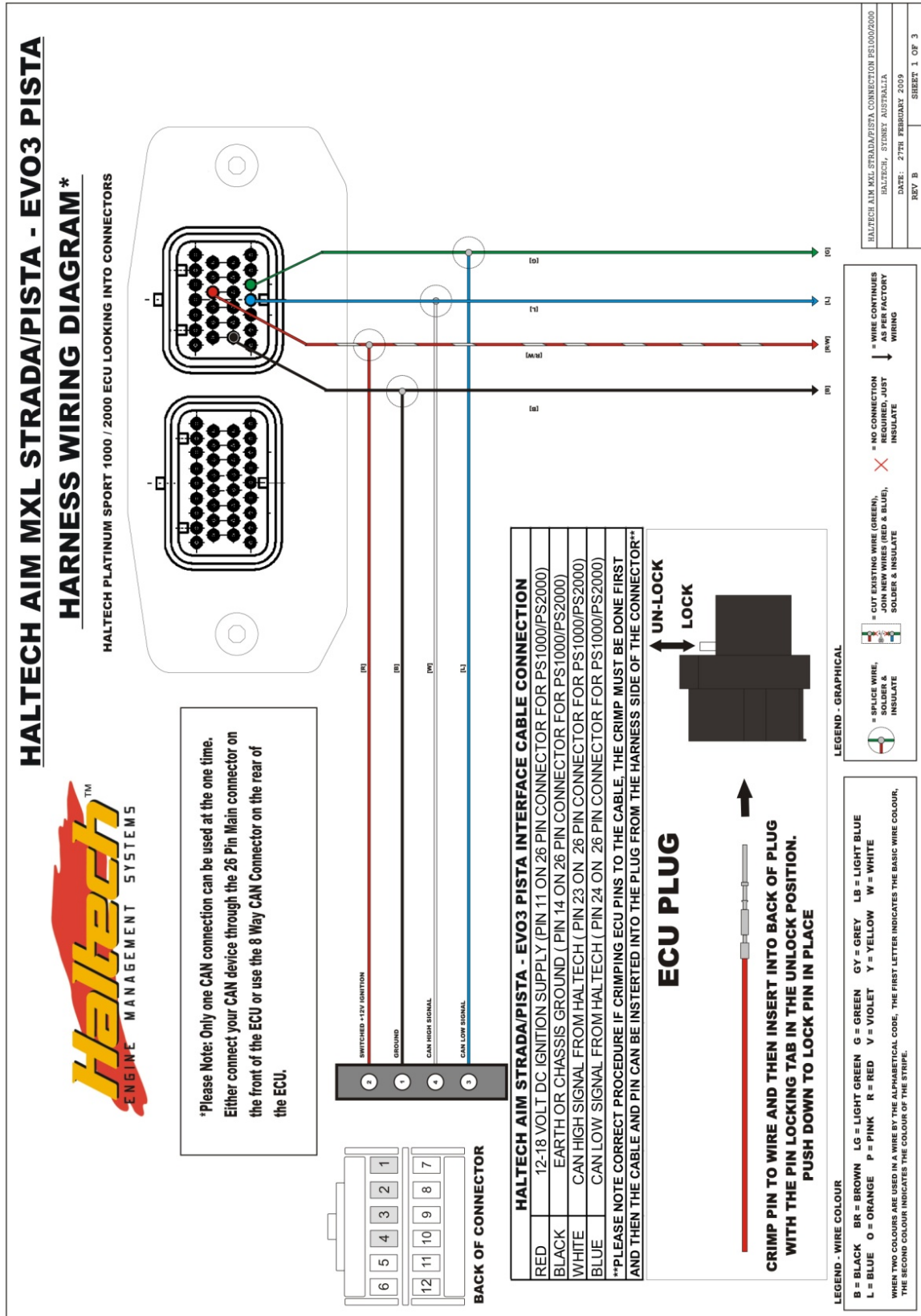
**GND e Vbatt connections depend on logger type.  
Refer to technical drawing for further information about the connections.**

## Chapter 4 – Communication protocol

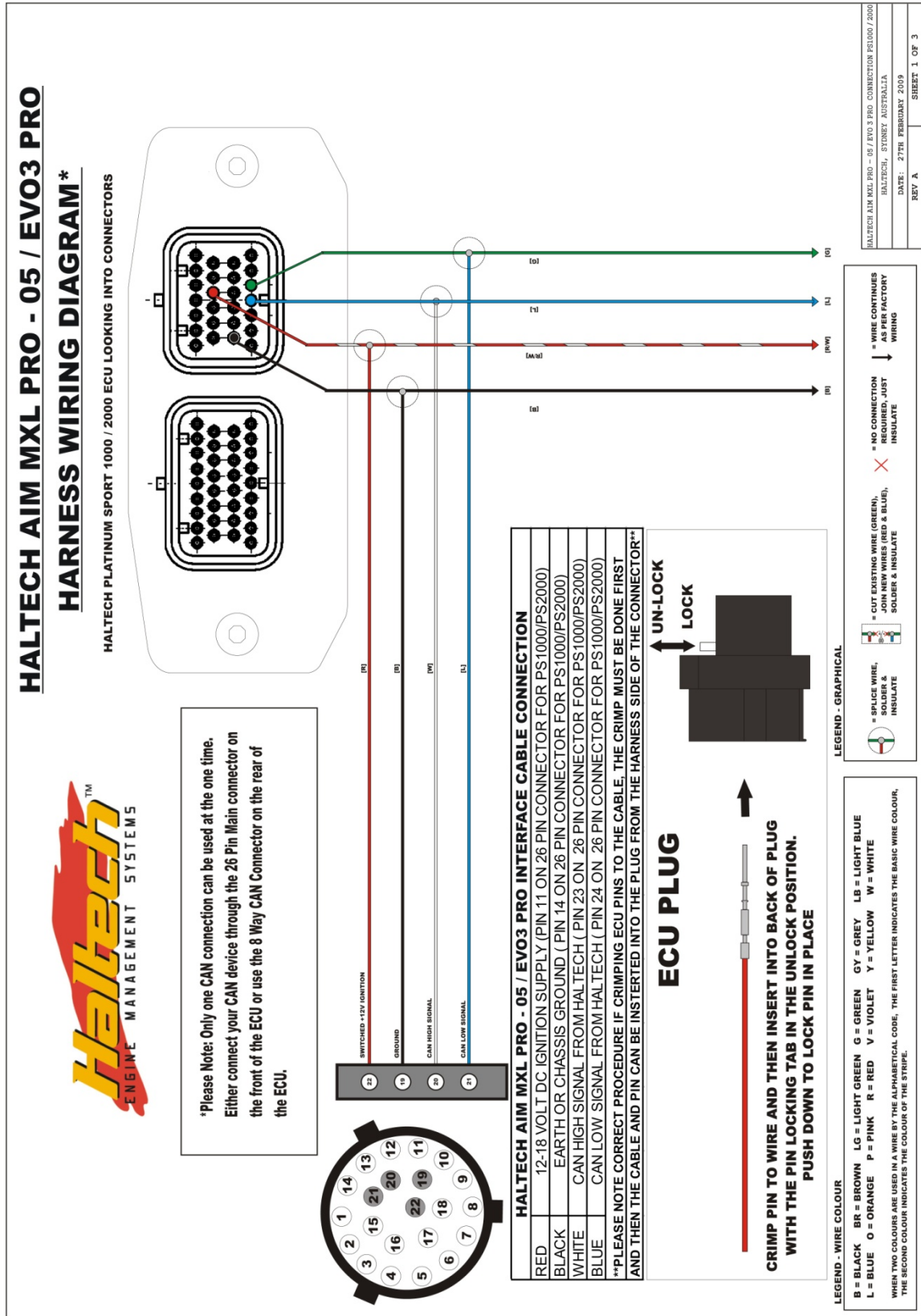
Haltech Platinum Sport 1000 and 2000 ECUs use AIM proprietary CAN BUS. Channels received by those ECUs are:

<b>ID</b>	<b>CHANNEL NAME</b>	<b>FUNCTION</b>
ECU_1	AIM_RPM	RPM
ECU_2	AIM_WHEELSPEED	Vehicle speed
ECU_3	AIM_OILPRESS	Oil pressure
ECU_4	AIM_OILTEMP	Oil temperature
ECU_5	AIM_WATERTEMP	Water temperature
ECU_6	AIM_FUELPRESS	Fuel pressure
ECU_7	AIM_BATTVOLT	Battery voltage
ECU_8	AIM_TPS	Throttle position sensor
ECU_9	AIM_MAP	Manifold air pressure
ECU_10	AIM_AIRTEMP	Air temperature
ECU_11	AIM_EXHAUST_TEMP	Exhaust temperature
ECU_12	AIM_LAMBDA	Lambda value
ECU_13	AIM_FUELTEMP	Fuel temperature
ECU_14	AIM_GEAR	Engaged gear
ECU_15	AIM_ERRORS	Error signal

# Appendix 1 – Haltech MXL Strada/Pista – EVO3 Pista wiring diagram



## Appendix 2 – Haltech MXL Pro05/EVO3 Pro wiring diagram



## Appendix 3 – Haltech EVO4 wiring diagram

