

AiM Infotech

Marelli  
GP2 GP3 - F2 F3

Release 1.00



# 1

## Supported models

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This document explains how to connect FIA Formula cars to AiM devices.  
Supported models are:

- FIA GP3/13 2013 - 2015
- FIA GP3/16 2016 – 2018
  
- FIA Formula 3 Gen1 2019 - 2024
- FIA Formula 3 Gen2 2025 onwards
  
- FIA GP2/05 (to be confirmed) 2005 - 2007
- FIA GP2/08 2008 - 2011
- FIA GP2 11-17 (Spec 1 ECU confirmed) 2011 – 2017
- FIA GP2 11-17\* (Spec 2 ECU to be confirmed) 2011 – 2017
  
- FIA Formula 2 Gen1 (F2/18)\* (to be confirmed) 2018 - 2023
- FIA Formula 2 Gen2 (F2/24) 2024 onwards

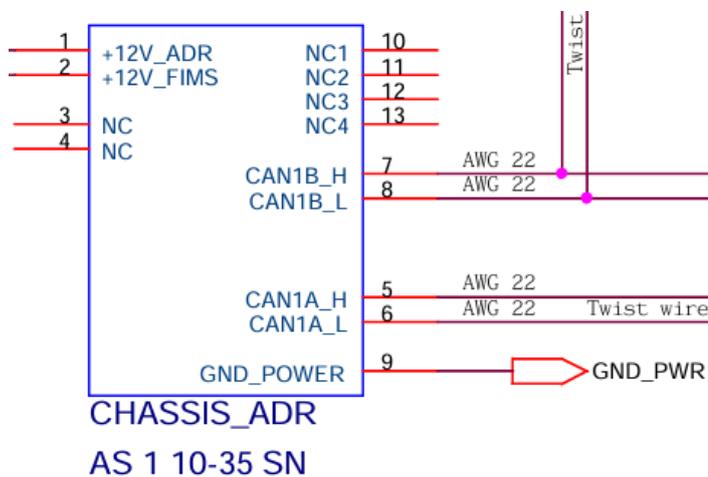
\* these cars can work with ECU driver MARELLI – F2 GP2 2013-2023  
connected to CAN1B of ADR.

## 2 Wiring connection

These formula cars are broadcasting engine data on CAN at **1Mbit/sec.**  
CAN data broadcast is available on **Chassis ADR CAN1A.**

Connect the AiM unit CAN wires to the relevant CAN ADR pins on the 13 ways Deutsch AutoSport connector of the car (AS 1 10-35 SN), following the table below:

ADR connector pin	Pin function	AiM cable
5	CAN1A ADR High	CAN+
6	CAN1A ADR Low	CAN-



### 3

## Race Studio configuration

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Before connecting the AiM device to the ECU set all function using AiM software Race Studio software. The parameters to set in the device configuration are:

ECU manufacturer:                   **MARELLI**  
ECU model:                           **GP2 GP3 - F2 F3 (only RS3)**

### 4

## "MARELLI – GP2 GP3 - F2 F3" Protocol

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Channels received by AiM devices configured with "MARELLI – GP2 GP3 - F2 F3" protocol are:

<b>CHANNEL NAME</b>	<b>FUNCTION</b>
RPM	Engine RPM
PedalPosition	Throttle pedal position sensor
BrakePressure	Brake pressure
VehicleSpeed	Vehicle speed
SteeringAngle	Steering wheel angle
Gear	Gear

**Technical note:** Not all data channels outlined in the ECU template are validated for each manufacturer model or variant; some of the outlined channels are model and year specific, and therefore may not be applicable.