

# AiM InfoTech

## Ferrari – 296 GT3 From 2023

### Release 1.01

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ECU





# 1

## Models and years

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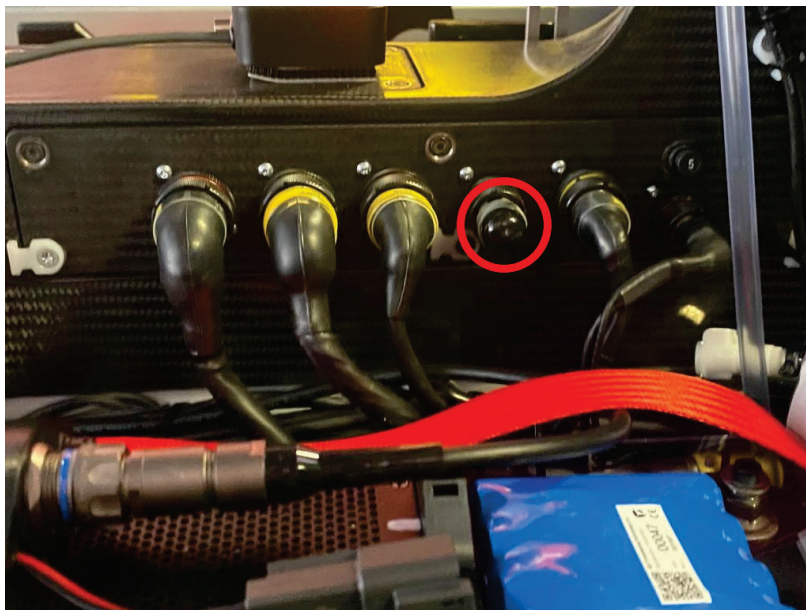
This document explains how to connect AiM devices to the vehicle Engine Control Unit (ECU) data stream.

Supported models and years are:

- Ferrari – 296 GT3 from 2023

## 2 Wiring connection

These models are equipped with a specific manufacturer protocol based on CAN, accessible through the "VideoBox" 13 pin Souriau female connector. For this installation refer to the following connection table.



| Souriau 13 Pin | Function        | AiM Cable | AiM Cable color |
|----------------|-----------------|-----------|-----------------|
| 1              | Voltage Battery | V Batt    | Red             |
| 2              | Ground          | GND       | Black           |
| 9              | CAN High        | CAN +     | White           |
| 10             | CAN Low         | CAN -     | Blue            |

**For the following devices, AiM supplies a dedicated cable (AiM part number):**

- SmartyCam 3 GP/ Corsa      Cable length 2100mm      V02584420

## 3

# Race Studio connection

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

- ECU manufacturer: **FERRARI**
- ECU Model: **296 GT3** (Only RS3)

## 4

# "FERRARI – 296GT3" protocol

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Channels received by AiM devices configured with "FERRARI – 296GT3" protocol are:

| <b>CHANNEL NAME</b> | <b>FUNCTION</b>            |
|---------------------|----------------------------|
| Engine RPM          | Engine RPM                 |
| VSpeed              | Vehicle Speed              |
| Gear                | Engaged Gear               |
| Throttle Pos        | Throttle position sensor   |
| Pedal Pos           | Pedal position sensor      |
| Brake Press Fr      | Front brake pressure       |
| Brake Press R       | Rear brake pressure        |
| Steer Angle         | Steering angle sensor      |
| Engine Coolant T    | Engine coolant temperature |
| Engine Oil Temp     | Oil temperature            |
| Oil Pressure        | Oil pressure               |
| Ambient Pressure    | Ambient pressure           |
| Water Press         | Water pressure             |
| TC Stage3           | Traction control stage 3   |
| TC Stage2           | Traction control stage 2   |
| TC Stage1           | Traction control stage 1   |



|                 |                           |
|-----------------|---------------------------|
| ABS SwPos       | ABS knob position         |
| Fuel Level      | Fuel level                |
| Battery Voltage | Battery voltage           |
| Acc Y           | Lateral acceleration      |
| Acc X           | Longitudinal acceleration |
| Rot APS PosSw   | Pedal maps knob position  |

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