

AiM InfoTech

FERRARI – 296
from 2021

Release 1.00



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Models and years

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

Supported models and years are:

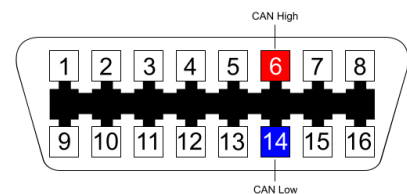
- Ferrari 296 (all street models) from 2021
- Ferrari Purosangue from 2022
- Ferrari SF90 Stradale from 2019

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OBDII Connection

These models feature a specific protocol based on CAN, accessible through the OBDII plug placed under the steering column, driver side. For this installation refer to the following pinout of the OBDII plug (front view) and connection table.

OBDII Pin	Pin function	AiM cable
6	CAN High	CAN+
14	CAN Low	CAN-



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Race Studio configuration

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 GTB** (Only RS3)

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"FERRARI – 296 GTB" Protocol

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

CHANNEL NAME	FUNCTION
RPM	RPM
PPS	Throttle pedal position
ThrottlePos	Throttle position
VSpeed	Vehicle speed
Gear	Engaged gear
BrakePressReq	Driver brake pressure request
BrakePresWhl	Brake pressure at wheels
BrakePedalPos	Brake pedal position
SteerAngle	Steering wheel angle
SteerSpeed	Steering wheel speed
FuelCons	Fuel consumption (ltrs/hour)
EngCoolTemp	Engine coolant temperature
EngOilTemp	Engine oil temperature
ExtAirTemp	External temperature
OilPress	Engine oil pressure



OverBoost	Overboost pressure
YawRate	Yaw rate gyroscope
LatAcc	Lateral acceleration
LonAcc	Longitudinal Acceleration
FuelLevel	Fuel level percentage

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