AiM Infotech

Porsche 991 GT3 Cup MK2 from 2018

Release 1.01
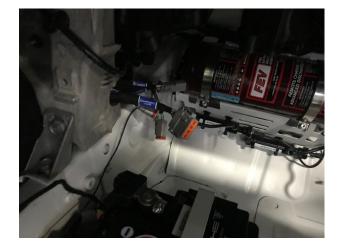
ECU

1
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:

* Porsche 991 MK2 (991.2) GT3 Cup   from 2018

2
Wiring connection

These cars feature a bus communication protocol based on CAN on the Option CAN/Sensors plug (DTM06-12) placed under the dash as shown here below on the left. On the right is the connector view and bottom is connection pinout:

"DTM06-12" connector. pin	Function	AiM cable	AiM color able
1	CAN High	CAN +	White
2	CAN Low	CAN -	Blue
3	Battery voltage	V Battery	Red
4	Ground	GND	Black

3

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: **PORSCHE**
- ECU Model: **991 GT3 Cup MK2**

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"PORSCHE – 991 GT3 Cup MK2"Protocol

Channels received by AiM devices configured with "PORSCHE – 991 GT3 Cup MK2" protocol are:

CHANNEL NAME	FUNCTION
ECU RPM	Engine RPM
ECU Gear	Engaged gear
ECU TPS	Throttle position sensor
ECU PBrakeF	Front brake pressure
ECU ASteer	Steering position angle
ECU AccX	Inline accelerometer
ECU AccY	Lateral accelerometer
ECU AccZ	Vertical accelerometer
ECU YawRate	Yaw rate
ECU WheelFL	Front left wheel speed
ECU WheelFR	Front right wheel speed
ECU WheelRL	Rear left wheel speed
ECU WheelRR	Rear right wheel speed
ECU PBrakeR	Rear brake pressure
ECU FuelLevel	Fuel level
ECU BrkSw	Brake switch

ECU Lambda	Lambda 1 value
ECU Lambda2	Lambda 2 value
ECU ACamCtrl	Camshaft angle
ECU ACamCtrl2	Camshaft angle 2
ECU IgnOut	Ignition out
ECU MAPPos	MAP number position torque increase
ECU TE	Lap time
ECU P22	Intake air pressure
ECU PAmb	Ambient pressure
ECU PFuel	Fuel pressure
ECU PRail	Rail pressure bank 1
ECU PRail2	Rail pressure bank 2
ECU TPSPaddle	Throttle pedal position
ECU TInt	Intake air temperature
ECU FuelCons	Fuel consumption
ECU Speed	Vehicle speed
ECU TMot	Water temperature

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.