AiM Infotech

Porsche 991 GT3 Cup MK1 2013 - 2017

Release 1.00

ECU

1
Supported years and models

This document explains how to connect Porsche GT3 991 MK1 Cup cars to AiM devices. Supported years and models are:

- Porsche 991 MK1 (991.1) GT3 Cup   2013 - 2017

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Wiring connection

These cars feature a bus communication protocol based on CAN on the Option3 plug (8pins DTM connector) placed under the dashboard (following image).

Option3 connector Pin	Function	AiM cable
1	12V	9-15VDC
2	GND	GND
7	CAN High	CAN+
8	CAN Low	CAN-

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AiM device configuration

Before connecting the AiM device to the ECU set it up using AiM Race Studio software. The parameters to select in the device configuration are:

- ECU manufacturer: Porsche
- ECU model: 991 GT3 Cup MK1

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"Porsche - 991 GT3 Cup MK1"

Channels received by AiM devices connected to "Porsche - 991 GT3 Cup MK1" protocol are:

CHANNEL NAME	FUNCTION
RPM	Engine RPM
Gear	Gear
TPS	Throttle position sensor
PBrakeF	Front brake pressure
ASteer	Steering position angle
AccX	Inline accelerometer
AccY	Lateral accelerometer
AccZ	Vertical accelerometer
Yaw Rate	Yaw rate
WheelFL	Wheel speed front left
WheelFR	Wheel speed front right
WheelRL	Wheel speed rear left
WheelRR	Wheel speed rear right
PBrakeR	Rear brake pressure
FuelLevel	Fuel level
BrkPerc	Brake load percent

Lambda	Lambda bank 1
Lambda2	Lambda bank 2
InjTime2	Injection time 2
InjTime	Injection time
IgnOut	Brake switch
BaroPress	Barometric pressure
PFuel	Fuel pressure
InjQuan2	Fuel injection quantity bank 2
InjQuan1	Fuel injection quantity bank 1
TPSPaddle	Throttle pedal position
FuelCons	Fuel Consumption
Speed	Vehicle speed
TMot	Water temperature
TInt	Intake air 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.