AiM Infotech

Porsche 991 GT3 Cup MK2 from 2018

Release 1.00

ECU

1
Supported years and models

This document explains how to connect Porsche GT3 991 MK2 Cup cars to AiM devices. Supported years and models 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:

Deutsch Pin	Pin function	AiM cable
1	CAN High	CAN+
2	CAN Low	CAN-
5	12V	9-15VDC
10	GND	GND

3

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 MK2

4

"Porsche - 991 GT3 Cup MK2"

Channels received by AiM devices connected to "Porsche - 991 GT3 Cup MK2" 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
BrkSw	Brake switch

Lambda	Lambda bank 1
Lambda2	Lambda bank 2
ACamCtrl	Camshaft angle
ACamCtrl2	Camshaft angle 2
IgnOut	Brake switch
MAPPos	Map position torque increase
TE	Lap time
P22	Pressure
PAmb	Ambient pressure
PFuel	Fuel pressure
PRail	Rail pressure bank 1
PRail2	Rail pressure bank 2
TPSPaddle	Throttle pedal position
TInt	Intake Air Temp
FuelCons	Fuel Consumption
Speed	Water Temp
TMot	Acceleration X

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.