AiM InfoTech

Porsche 992 GT3 – CUP
from 2021

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 992 GT3 CUP MK1   from 2021

2
Wiring connection

These cars feature a bus communication protocol based on CAN, accessible through DTM06-4S female connector with label "Video" placed on the passenger side of the cabin near the B-pillar.

For this installation, please refer to the following connection table.

"DTM06-4S" connector pin	Pin function	AiM cable	AiM cable colour
1	Battery voltage	V Batt	Red
2	Ground	GND	Black
3	CAN High	CAN+	White
4	CAN Low	CAN-	Blue

3
RaceStudio 3 configuration

Before connecting AiM device to the ECU set all functions using AiM RaceStudio 3 software. The parameters to set in the device configuration are:

- ECU Manufacturer: **PORSCHE**
- ECU Model: **992 GT3 Cup MK1** (RaceStudio3 only)

4
"PORSCHE – 992 GT3 Cup MK1"Protocol

Channels received by AiM devices configured with "PORSCHE – 992 GT3 Cup MK1" protocol are:

CHANNEL NAME	FUNCTION
RPM	Engine RPM
VSpeed	Vehicle speed
Gear	Engaged gear
TPS	Throttle position sensor
PBrakeF	Front brake pressure
PBrakeR	Rear brake pressure
BrkBias	Brake bias
BrkSw	Brake switch
ASteer	Steering position angle
LongAcc	Inline accelerometer
LatAcc	Lateral accelerometer
VertAcc	Vertical accelerometer
YawRate	Yaw rate
WheelSpeedFL	Front left wheel speed
WheelSpeedFR	Front right wheel speed
WheelSpeedRL	Rear left wheel speed

WheelSpeedRR	Rear right wheel speed
Lambda	Lambda 1 value
Lambda2	Lambda 2 value
ACamCtrl	Camshaft angle
ACamCtrl2	Camshaft angle 2
IgnOut	Ignition out
MapPos	MAP number position torque increase
TE	Injection time
P22	Intake air pressure
POil	Engine oil pressure
PAmb	Ambient pressure
PFuel	Fuel pressure
PRail	Rail pressure bank 1
PRail2	Rail pressure bank 2
PClutch	Clutch pressure
APS	Throttle pedal position
FuelLevel	Fuel level
FuelCons	Fuel consumption
TInt	Intake air temperature
TMot	Water temperature
TOil	Engine oil temperature
OilLevelProp	Oil level percentage
PWater	Engine water pressure
PCrank	Crankcase pressure
BPadUp	Paddle upshift
BPadDn	Paddle downshift
TGear	Gearbox oil temperature
PGear	Gearbox oil pressure
TPMSTempFL	Front left TPMS temperature
TPMSTempFR	Front right TPMS temperature
TPMSTempRL	Rear left TPMS temperature
TPMSTempRR	Rear right TPMS temperature

TPMSPressFL	Front left TPMS pressure
TPMSPressFR	Front right TPMS pressure
TPMSPressRL	Rear left TPMS pressure
TPMSPressRR	Rear right TPMS pressure
LogSetup	
LogACMode	
PCUStateLTmode	Light mode
PCUStateTCWet	Traction control wet selection
PCUStateTyre	Tyre selection
LogAthPos	Accelerator pedal mapping
LogTCPos	Traction control position
LogDimPos	Display illumination dimmer position
LogABSPos	ABS position
LogAlarmStatus1	Alarm status 1
LogAlarmStatus2	Alarm status 2
FLC	
FLC2	

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.