

AiM InfoTech

PORSCHE 981  
CAYMAN GT4 Club Sport  
(Manthey - Racing)

Release 1.00

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ECU



# 1 Supported models and years

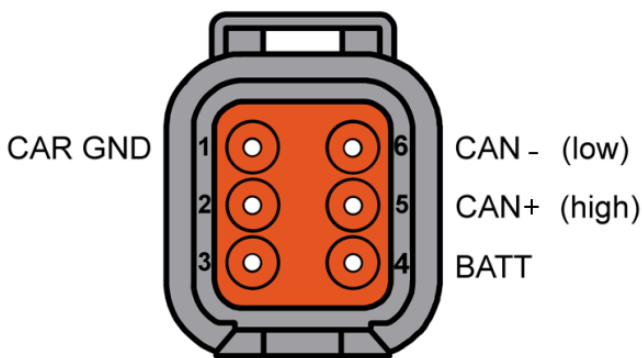
This document explains how to connect AiM devices to the vehicle Engine Control Unit (ECU) data stream.

Supported models are:

- CAYMAN 981 - GT4 (Manthey – Racing) 2015 - 2018

# 2 Wiring Connection

Porsche 981 Cayman - GT4 (Manthey Racing) feature a specific protocol based on CAN, available when a CAN gateway by MR is installed. This databus is accessible through the DTM04-6P male connector, labelled CAN OUT, located on the right hand side of the vehicle in the footwell area, close to the floor between the rear bulkhead and side door intrusion bars. For this installation refer to the following pinout of the DTM4-6P and its connection table.



**DTM4-6P pinout**

DTM4-6P pinout	Function
5	CAN High
6	CAN Low
4	V.Battery
1	Ground

**AiM cable**

AiM cable	AiM color cable
CAN+	White
CAN-	Blue
V Batt	Red
GND	Black

## 3

# Race Studio configuration

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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: **CAYMAN\_981\_GT4CS**

## 4

# "PORSCHE – CAYMAN\_981\_GT4CS" protocol

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Channels received by AiM devices configured with "PORSCHE – CAYMAN\_981\_GT4CS" protocol are:

<b>CHANNEL NAME</b>	<b>FUNCTION</b>
RPM	Engine RPM
Gear	Engaged gear
Speed	Vehicle speed
Speed FL	Front left wheel speed
Speed FR	Front right wheel speed
Speed RL	Rear left wheel speed
Speed RR	Rear right wheel speed
Acc long	Inline acceleration
Acc lat	Lateral acceleration
Yaw rate	Yaw rate
Water T	Water temperature
Oil T	Oil temperature
Intake Air T	Intake air temperature
Air Temp	Ambient temperature
Oil P	Oil pressure
Brake Press	Brake pressure



AirBox P	Airbox pressure
Steer Angle	Steering angle position
Throttle	Throttle position sensor
Distance	Odometer
Battery Volt	Battery voltage
Fuel Lev	Fuel level
Torque	Engine torque
Brake SW	Brake switch
ESP Status	Electric steering power status
TC Status	Traction control status
MIL Diag	Malfunction indicator lamp diagnostic
Gear Lever	Gear lever
Shift pad Up	Shift pad-up
Shift pad Down	Shift pad down
Pit Speed	Pit speed active
Shift Lev Down	Shift lever down
Shift lev Up	Shift lever up
ABS Brake	ABS brake
ESP Interv	Electric power steering intervention
Oversteer	Over steering position
Understeer	Under steering position

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