

AiM InfoTech

BMW – M4 GT4  
from 2023

Release 1.00

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ECU



# 1 Models and years

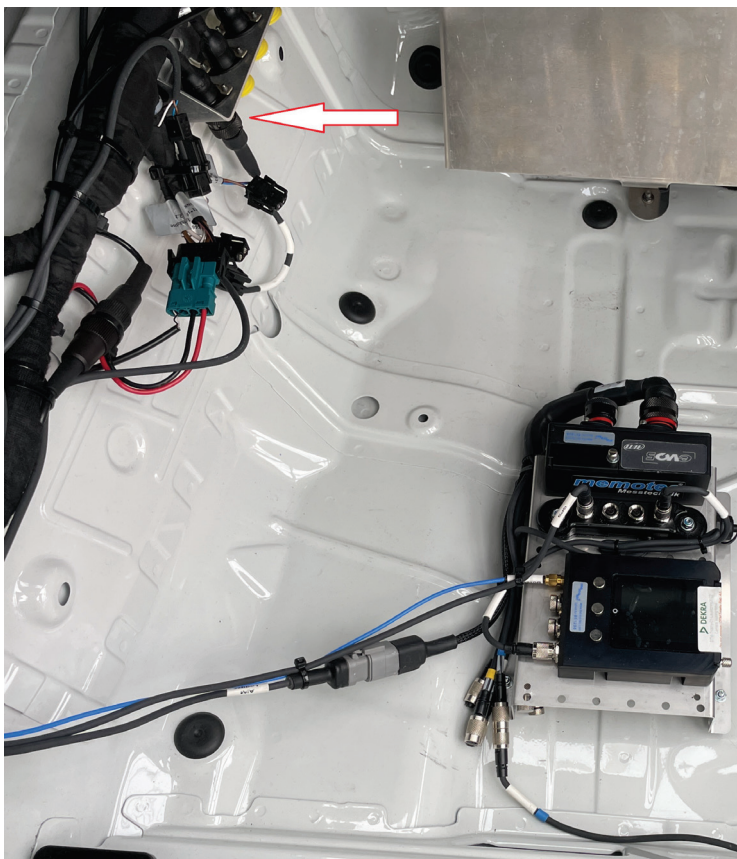
This document explains how to connect AiM devices to the vehicle Engine Control Unit (ECU) data stream.

Supported models and years are:

- BMW M4 GT4 from 2023

# 2 Wiring connection

The ECU driver developed to communicate with this vehicle, is accessible through the **Data Sys Reserve** connector placed on the central tunnel, where the data sys plugs are grouped together.



Deutsch AS BMW Pin	Pin function	AiM cable
F	CAN High	CAN +
E	CAN Low	CAN -
A	+Vb 12V	+Vb
B	GND	GND

It is strongly recommended to refer to a skilled technician to perform this kind of installation.

Before connecting the power supply, make sure with the car manufacturer about the supported ampere the power line can deliver.

## 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: **BMW**
- ECU Model: **M4 GT4 2023 SMC** (Only RS3)

## 4

# “BMW – M4 GT4 2023 SMC” Protocol

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Channels received by AiM devices configured with " BMW – M4 GT4 2023 SMC" protocol are:

<b>CHANNEL NAME</b>	<b>FUNCTION</b>
Team RPM	RPM
Team Gear	Engaged gear
Team Speed	Vehicle speed
Team Pbrake F	Front brake pressure
Team Pbrake R	Rear brake pressure
Team Steering	Steering wheel angle position
Team AnaPedal	Throttle pedal position

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