



AiM Infotech

Mercedes C63 AMG

Release 1.04



ECU

1 Supported model and years

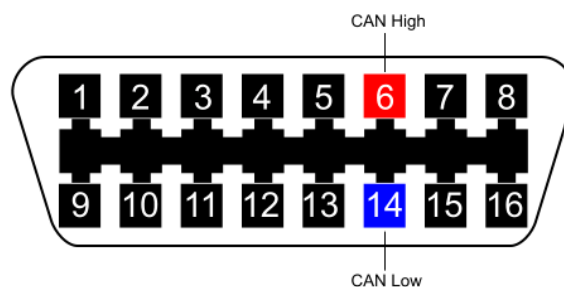
This document explains how to connect AiM devices to the vehicle Engine Control Unit (ECU) data stream.

Supported models and years are:

- A Class III (W176) 2012-2018
- C Class (W204) 2007-2015
- GT AMG from 2015
- SLS AMG 2010-2014
- C63 AMG Coupè 2011-2015
- C63 AMG from 2011

2 Wiring connection

These models feature a standard diagnostic protocol based on CAN, accessible through the OBDII plug placed in different positions (this can be on the steering column, in the central column, on the pedal area or on the left of the steering wheel). For this installation refer to the following pinout of the OBDII plug (vehicle side – front view) and connection table.



OBDII connector pin	Pin function	AiM cable
6	CAN High	CAN+
14	CAN Low	CAN-

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AiM device configuration

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

- ECU manufacturer: **Mercedes**
- ECU Model: **C63_AMG**

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“Mercedes – C63_AMG” protocol

Channels received by AiM devices configured with "Mercedes – C63_AMG" protocol are:

CHANNEL NAME	FUNCTION
C63 STEER ANG	Steering wheel angle
C63 STEER SPD	Steering wheel angular velocity
C63 BRAKE POS	Brake position
C63 RPM	RPM
C63 PPS1	Pedal position sensor 1
C63 PPS2	Pedal position sensor 2
C63 KICKDOWN	Kickdown switch
C63 VEH SPD	Vehicle speed
C63 WH SP FR	Front right wheel speed
C63 WH SP FL	Front left wheel speed
C63 WH SP RL	Rear left wheel speed
C63 WH SP RR	Rear right wheel speed
C63 GYRO	Gyroscope
C63 LONG	Longitudinal accelerometer
C63 LAT	Lateral accelerometer
C63 ECT	Engine coolant temperature
C63 IAT	Intake air temperature
C63 OILT	Oil temperature
C63 OUT AIR PRESS	Ambient air pressure



C63 MAP

Manifold air pressure

C63 TPS

Throttle position sensor

C63 FUEL LEVEL

Fuel level

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.