

AiM InfoTech

Aston Martin  
DB11 from 2016  
Vantage from 2018

Release 1.00

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ECU



# 1 Supported years and models

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

Supported years and models are:

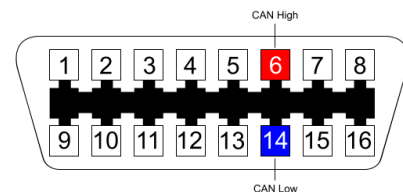
- Aston Martin DB11 from 2016
- Aston Martin Vantage from 2018

# 2 Connection

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These models feature a bus communication protocol based on CAN, accessible through the OBD II plug placed on the driver side, under the dash, in the steering column area. For this installation refer to the following pinout of the OBDII plug (vehicle side - front view).

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



# 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: **Aston Martin**
- ECU Model: **DB 11 Vantage** (only available for RS3)

## 4

# “Aston Martin – DB 11 Vantage” protocol

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Channels received by AiM devices configured with "Aston Martin – DB11 Vantage" protocol are:

<b>CHANNEL NAME</b>	<b>FUNCTION</b>
RPM	RPM
SWSpeed	Steering wheel speed
Speed FL	Wheel speed front left
Speed FR	Wheel speed front right
Speed RL	Wheel speed rear left
Speed RR	Wheel speed rear right
Gear	Gear
WaterTemp	Water temperature
SWAngle	Steering wheel angle
PPS1	Throttle pedal position 1
PPS2	Throttle pedal position 2
BrakePress1	Brake pressure
BrakePress2	Brake pressure
IntakeAirT	Intake air temperature
LightOn	Light switch

**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.