



AIM Infotech

Aston Martin Vantage N24
+Aston Martin 2009 ECU

Release 1.03



This tutorial explains how to connect AiM devices to Aston Martin ECU. Supported car models are:

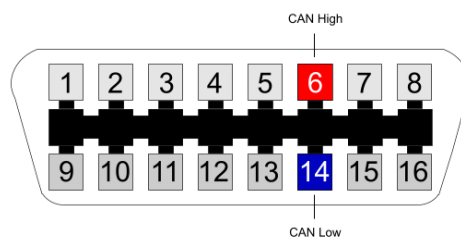
- Aston Martin Vantage N24;
- Aston Martin 2009 all models.

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Wiring connection

Aston Martin ECU features a bus communication protocol based on CAN on the OBDII plug. This socket is placed in the cockpit area, that means near the ashtray or the steering column or in the central console. Some manufacturer use covers to protect the OBDII connector.

Here follows OBDII connector pinout as well as connection table.



OBDII 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: "Aston Martin"
- ECU Model: "CAN BUS";

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Available channels

Channels received by AiM loggers connected to "Aston Martin" "CAN BUS" ECU are:

ID	CHANNEL NAME	FUNCTION
ECU_1	AM_RPM	RPM
ECU_2	AM_VEH_SPEED	Vehicle speed
ECU_3	AM_WH_SPEED_FL	Front left wheel speed
ECU_4	AM_WH_SPEED_FR	Front right wheel speed
ECU_5	AM_WH_SPEED_RL	Rear left wheel speed
ECU_6	AM_WH_SPEED_RR	Rear right wheel speed
ECU_7	AM_GEAR	Engaged gear
ECU_8	AM_PPS	Pedal position sensor
ECU_9	AM_ECT	Engine coolant temperature
ECU_10	AM_OIL_TEMP	Oil temperature
ECU_11	AM_STEER_ANGLE	Steering angle
ECU_12	AM_STEER_SPEED	Steering wheel speed
ECU_13	AM_BRAKE_PRESS	Brake pressure
ECU_14	AM_BRAKE_SW	Brake switch
ECU_15	AM_BARO	Barometric pressure
ECU_16	AM_AMB_TEMP	Ambient temperature
ECU_17	AM_MAN_SP_MODE	Manual sport mode
ECU_18	AM_KICKDOWN	Kick down
ECU_19	AM_OIL_PR_WARN	Oil pressure warning
ECU_20	AM_CLUTCH_SW	Clutch switch
ECU_21	AM_SERV_LAMP	Service Lamp
ECU_22	AM_FUEL_LEVEL	Fuel level
ECU_23	AM_OBD2_TPS	OBDII Throttle position sensor
ECU_24	AM_OBD2_MAP	OBDII Manifold Air pressure
ECU_25	AM_OBD2_FUE_PR	OBDII Fuel pressure

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.