

AIM Infotech

Renault CAN

Release 1.04



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Supported models and years

This tutorial explains how to connect Renault cars to AIM devices. Supported models and years are:

- Renault Clio 3 2006-2012
- Renault Megane 2 2002-2010

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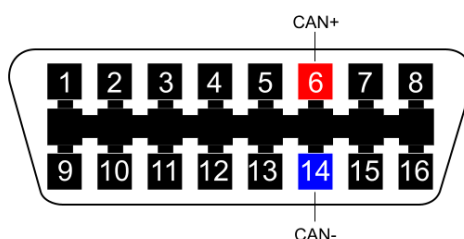
Wiring connection

Renault Clio 3 (2006-2012) and Renault Megane 2 (2002-2010) feature a bus communication protocol based on CAN on the OBDII plug; this can be normally found in one of these three places:

- on the left of the steering wheel column;
- on the right of the steering wheel column;
- in the central column beside the car lighter.

Please note: according to the international rules, the OBDII plug is to be in a 60 cm distance area from the steering column.

OBDII connector as well as connection table are shown below.



OBDII connector pin

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Pin function

CAN High

CAN Low

AIM cable label

CAN+

CAN-

3

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: "Renault"
- ECU Model: "CAN";

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Available channels

Channels received by AiM devices connected to "Renault" "CAN" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	RN_RPM	RPM
ECU_2	RN_CLUTCH_SW	Clutch switch
ECU_3	RN_BRAKE_SW1	Brake switch 1
ECU_4	RN_VEH_SPEED	Vehicle speed
ECU_5	RN_ODOMETER	Odometer
ECU_6	RN_BRAKE_SW2	Brake switch 2
ECU_7	RN_TPS	Throttle position sensor
ECU_8	RN_ECT	Engine coolant temperature
ECU_9	RN_MIL_LAMP	Malfunction indicator lamp
ECU_10	RN_LONG_ACC	Longitudinal accelerometer
ECU_11	RN_TRANSV_ACC	Lateral accelerometer
ECU_12	RN_YAW_RATE	Yaw rate
ECU_13	RN_MANIF_AIRP	Manifold air pressure
ECU_14	RN_MANIF_AIRT	Manifold air temperature
ECU_15	RN_STEER_ANGLE	Steering angle
ECU_16	RN_STEER_SPEED	Steering speed



ECU_17	RN_TORQUE	Engine torque
ECU_18	RN_GEAR	Engaged gear
ECU_19	RN_FUEL_LEVEL	Fuel level
ECU_20	RN_EXT_TEMP	Exhausted gas temperature
ECU_21	RN_OILP_SW	Oil pressure switch
ECU_22	RN_POS_LIGHT	Position light
ECU_23	RN_HIGH_Beam	High beam
ECU_24	RN_LOW_Beam	Low beam
ECU_25	RN_WH_FL_PRESS	Front left wheel pressure
ECU_26	RN_WH_RL_PRESS	Rear left wheel pressure
ECU_27	RN_WH_FR_PRESS	Front right wheel pressure
ECU_28	RN_WH_RR_PRESS	Rear right wheel pressure
ECU_29	RN_TURN_LF_IND	Left turn indicator
ECU_30	RN_TURN_RH_IND	Right turn indicator

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.