AIM Infotech

Renault
Clio III 2006-2012 and
Megane II 2002-2010

Release 1.01

This tutorial explains how to connect Renault cars to AIM devices.

1
Supported models and years

Supported models and years are:

- Renault Clio III 2006-2012;
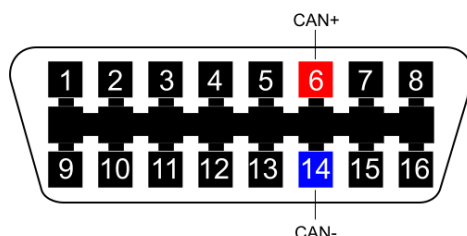- Renault Megane II 2002-2010.

2
Wiring connection

Renault Clio III (2006-2012) and Renault Megane II (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	Pin function	AIM cable label
6	CAN High	CAN+
14	CAN Low	CAN-

3
AiM Logger configuration

Before connecting the ECU to AiM logger set it up as follows:

Run Race Studio 2 software and follow this path:
- Device Configuration –> Select the device you are using;
- select the configuration or press "New" to create a new one;
- select ECU manufacturer "Renault" and ECU Model "CAN";
- transmit the configuration to the device pressing "Transmit".

4
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

Please note: channels listed above are those polled by AiM devices. They may or may not come across in the data stream depending on models. RPM, TPS,ECT and speed are generally available.