

AIM Infotech

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

Release 1.03

---



# 1 Supported models and years

---

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

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

# 2 Wiring connection

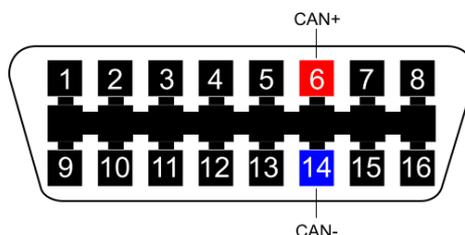
---

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 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";

### 4

## Available channels

---

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

| <b>ID</b> | <b>CHANNEL NAME</b> | <b>FUNCTION</b>            |
|-----------|---------------------|----------------------------|
| 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.