

AiM InfoTech

# RENAULT Clio IV Cup

Release 1.00

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ECU



## 1 Models and years

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

Supported models and years are:

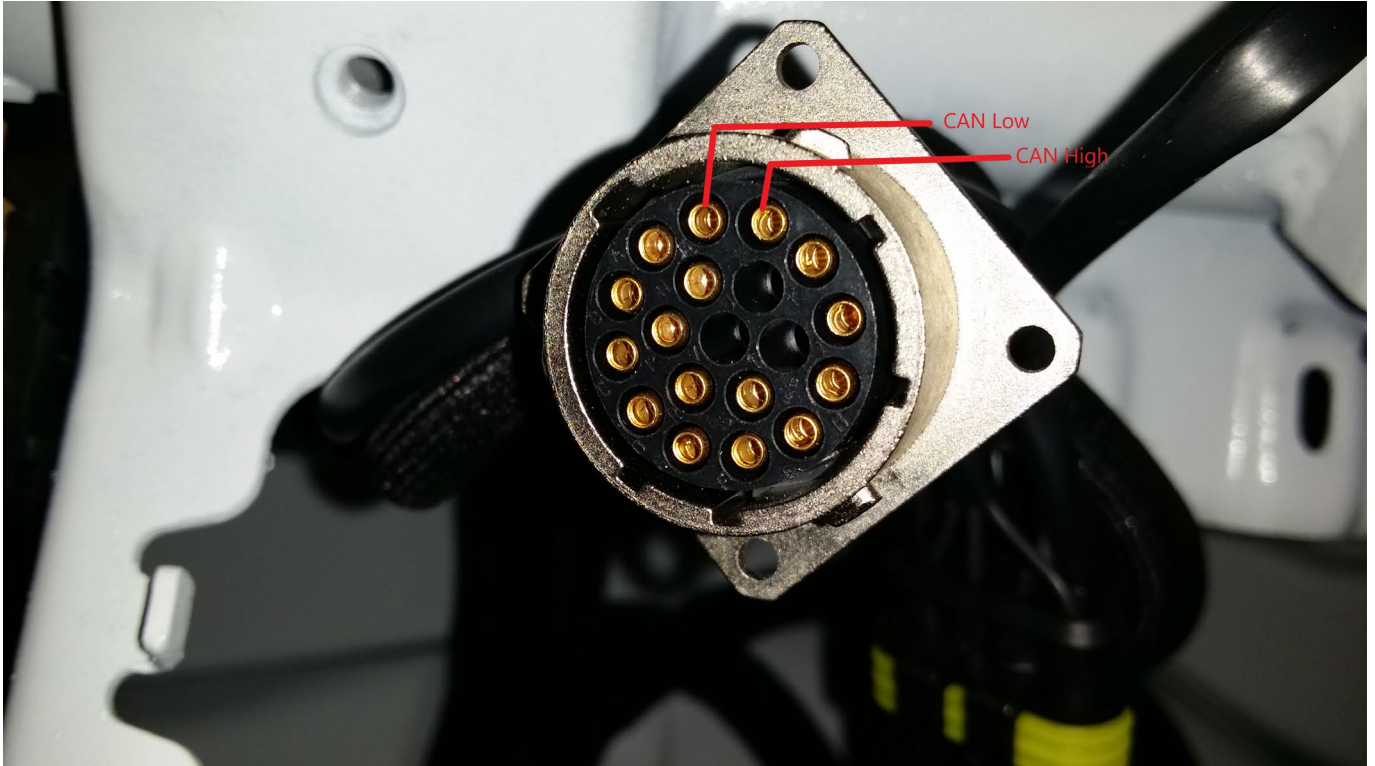
- Clio IV Cup                      2014-2020

## 2 Wiring connection

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These models feature a specific protocol based on CAN, accessible through the 19 ways Souriau (C14) female connector placed on the right hand side of the car, under the dash and next to A pillar. For this installation refer to the following pinout of the 19 ways Souriau connector and its connection table.





Souriau 19 ways connector	Pin function	AiM cable	AiM color cable
L	CAN High	CAN +	White
M	CAN Low	CAN -	Blue

### 3

## Race Studio configuration

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: **RENAULT**
- ECU Model: **CLIO R4 CUP**

## 4

# “RENAULT – CLIO R4 CUP” protocol

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Channels received by AiM devices configured with “RENAULT – CLIO R4 CUP” protocol are:

<b>CHANNEL NAME</b>	<b>FUNCTION</b>
RPM	RPM
GEAR	Engaged gear
Veh Speed	Vehicle speed
EngOilP	Engine oil pressure
AirCoolantT	Air temperature
BrakeSw	Brake switch
EngineCoolantT	Engine coolant temperature
FuelPress	Fuel pressure
Fuel Used	Fuel level
PPS	Pedal position sensor
SteerAng	Steering position angle
VBat	Battery voltage
WheelSpdFL	Front left wheel speed
WheelSpdFR	Front right wheel speed

**Technical note:** not all data channels outlined in the ECU template are validated for each manufacture’s model or variant; some of the outlined channels are model and year specific, and therefore may not be applicable.