AiM InfoTech

RENAULT
Clio V Cup
From 2020

Release 1.00

ECU

AiM

1
Models and years

This document explains how to connect AiM devices to the vehicle Engine Control Unit (ECU) data stream.
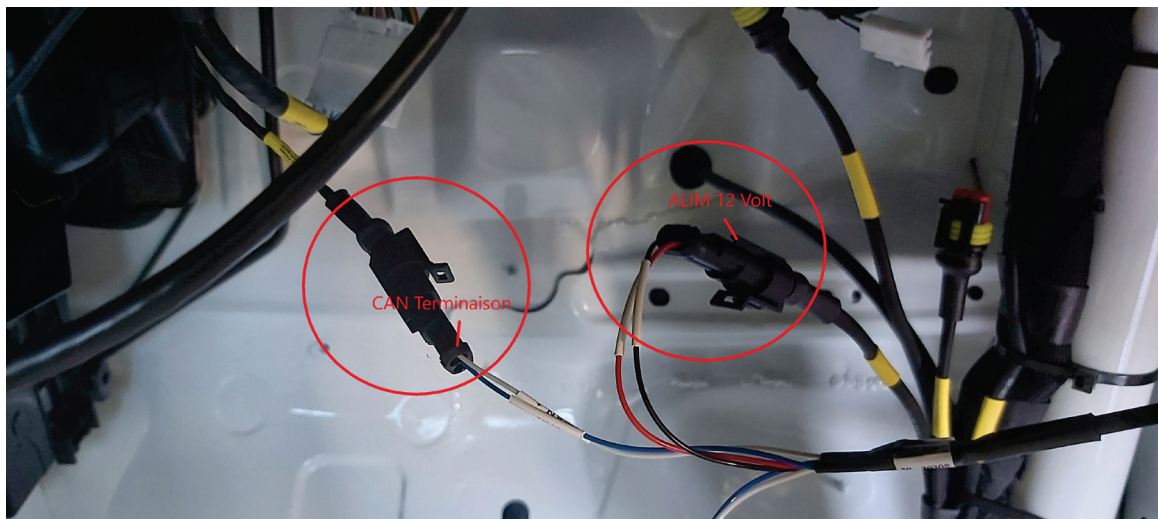Supported models and years are:

Clio V Cup	5thgen	from 2020

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Wiring connection

These models feature a specific protocol based on CAN, accessible through the AMP Superselaa male connector labelled **CAN Terminaison** "Part Number: 282104", placed on the passenger footrest area at the base of the A-pillar. To power AiM devices, you must use the **ALIM 12 Volt** connector which is located near the **CAN Terminaison** connector.
For this installation refer to the following pinout of the AMP connector and its connection table.

"CAN Terminaison" conn. pin	Function	AiM cable	AiM color cable
1	CAN High	CAN +	White
2	CAN Low	CAN -	Blue
"ALIM 12 volt" conn. pin	**Function**	**AiM cable**	**AiM color cable**
1	V Battery	V Batt	Red
2	Ground	GND	Black

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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 5 CUP** (RS3 only)

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"RENAULT – CLIO 5 CUP" protocol

Channels received by AiM devices configured with "RENAULT – CLIO 5 CUP" protocol are:

CHANNEL NAME	FUNCTION
RPM	Engine RPM
Vehicle Speed	Vehicle speed
ThrottlePos	Throttle position sensor
Brake Switch	Brake switch
Gear	Engaged gear
EngCoolantTemp	Engine coolant temperature
EngChargeAirTemp	Intake air temperature
ExtTemp	External temperature
BaroPress	Barometric pressure
FLWheelPress	Front left wheel pressure
FRWheelPress	Front right wheel pressure
RLWheelPress	Rear left wheel pressure
RRWheelPress	Rear right wheel pressure
TripDistance	Distance
ManualShiftPos	Shift position
BrakeInfoStatus	Brake status

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