

AiM Infotech

Alfa Romeo 4C

Release 1.00

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This tutorial explains how to connect Alfa Romeo cars to AiM devices.

## 1 Supported models

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Supported years and models are:

- 4C from 2013

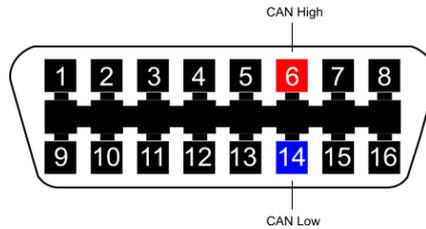
## 2 Wiring connection

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Alfa Romeo 4C ECU features a bus communication protocol based on CAN on the OBDII plug placed left of the steering column as shown here below.



Connector pinout as well as connection table are shown here below



OBDII connector pin	Pin function	AiM cable
6	CAN High	CAN+
14	CAN Low	CAN-

### 3

## AiM device configuration

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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 "ALFA ROMEO"
- ECU Model "4C";

### 4

## Available channels

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Channels received by AiM loggers connected to "Alfa Romeo" "4C" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	RPM	RPM
ECU_2	PPS	Pedal position sensor
ECU_3	TPS	Throttle position sensor
ECU_4	BRAKE_SW	Brake switch



ECU_5	BRAKE_PRESS	Brake pressure
ECU_6	VEH_SPEED	Vehicle speed
ECU_7	WH_SPD_RR	Rear right wheel speed
ECU_8	WH_SPD_RL	Rear left wheel speed
ECU_9	WH_SPD_FR	Front right wheel speed
ECU_10	WH_SPD_FL	Front left wheel speed
ECU_11	STEER_ANGLE	Steering angle
ECU_12	STEER_SPEED	Steering speed
ECU_13	ECT	Engine coolant temperature
ECU_14	OILP_SW	Oil pressure switch
ECU_15	CLUTCH_SW	Clutch switch
ECU_16	FUEL_LEV	Fuel level
ECU_17	AMB_TEMP	Ambient temperature
ECU_18	DRIVE_STY	Driving style
ECU_20	CURR_FAIL	Current failure
ECU_21	D_SIGNAL	Digital signal
ECU_22	BOOST_PR	Boost pressure
ECU_23	BRK_SW2	Brake switch 2
ECU_24	EPS_FAIL	Electric power steering failure
ECU_25	GEAR	Engaged gear
ECU_26	REQ_TORQUE	Request torque
ECU_27	TC_ASR_INTERV	Traction control intervention for anti-slip regulation
ECU_28	ESC_INTERV	Electronic stability control intervention

**Technical note:** nota 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.