

AiM Infotech

Lamborghini Gallardo ECU

Release 1.02



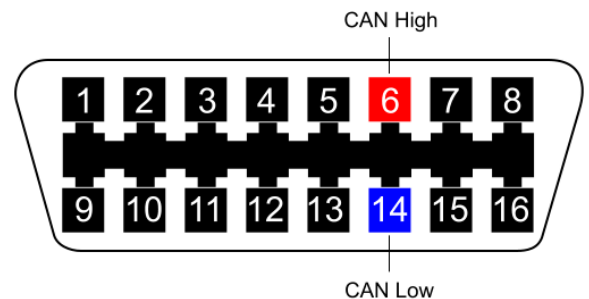
This tutorial explains how to connect Lamborghini cars to AiM devices. Supported models and years are:

- Lamborghini Gallardo 2008-2013

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CAN connection

Gallardo cars feature a bus communication protocol based on CAN on the OBDII plug located left under the steering column as shown here below on the left. On the right is OBDII connector pinout and below connection table.



OBDII connector pin

6
14

Pin function

CAN High
CAN Low

AiM cable

CAN+
CAN-

2

AiM Logger configuration

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

Run Race Studio 2 software and select:

- Device Configuration -> Select the device you are using;
- select the configuration or press "New" to create a new one;
- select ECU manufacturer "Lamborghini" and ECU Model "Gallardo"
- transmit the configuration to the device pressing "Transmit".

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Available channels

Channels received by AiM devices connected to "Lamborghini" "Gallardo" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	LM_RPM	RPM
ECU_3	LM_WATER_TEMP	Engine coolant temperature
ECU_4	LM_ENG_MOM1	Engine moment bank 1
ECU_5	LM_AIR_TEMP	Intake air temperature
ECU_6	LM_GAS_PERC	Gas percentage
ECU_7	LM_BRK_PRESS	Brake pressure
ECU_8	LM_VEH_SPEED	Vehicle speed
ECU_12	LM_ATM_TEMP	Atmospheric temperature
ECU_13	LM_OILTEMP	Oil temperature
ECU_14	LM_FRLF_SPEED	Front left wheel speed
ECU_15	LM_FRRG_SPEED	Front right wheel speed
ECU_16	LM_RRLF_SPEED	Rear left wheel speed
ECU_17	LM_RRRG_SPEED	Rear right wheel speed
ECU_18	LM_YAW_RATE	Yaw rate
ECU_19	LM_STEER_SPEED	Steering speed
ECU_20	LM_STEER_ANG	Steering angle
ECU_21	LM_BRK_SW	Brake switch
ECU_22	LM_FUEL	Fuel level
ECU_23	LM_GEAR	Engaged gear
ECU_24	LM_ENGOIL_TEMP	Engine oil temperature
ECU_26	LM_CLUTCH	Clutch switch
ECU_28	LM_ENG_MOM2	Engine moment bank 2
ECU_29	LM_SHIFT_ACT	Shift actuator

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.