

AiM InfoTech

AUDI  
R8 LMS GT4 - R8 LMS GT2  
from 2019

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 CAN data stream.  
Supported models and years are:

- AUDI R8 LMS GT4 from 2019
- AUDI R8 LMS GT2 from 2019

# 2

## Wiring connection

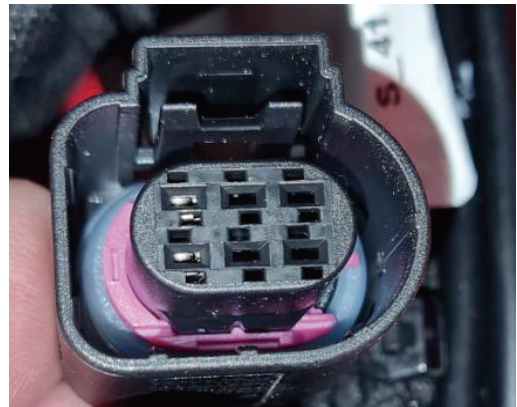
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The CAN driver developed to communicate with this vehicle, is accessible through the CAN Diagnose (labelled S\_40) or the CAN RDK (labelled S\_41) buses, terminating with the following sealed connectors (4H0 973 713):

Pin	Pin function	AiM cable
1	CAN High	CAN +
2	CAN Low	CAN -

It is strongly recommended to refer to a skilled technician to perform this kind of connection.

The mating connector is part number 3B0 973 813.



### 3

## Race Studio configuration

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Before connecting the AiM device to the CAN bus, set all functions using AiM software Race Studio. The parameters to set in the device configuration are:

- ECU Manufacturer: **AUDI**
- ECU Model: **R8\_GT4\_SMC** (Only RS3)

### 4

## "AUDI – R8\_GT4\_SMC" Protocol

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Channels received by AiM devices configured with "AUDI – R8\_GT4\_SMC" protocol are:

<b>CHANNEL NAME</b>	<b>FUNCTION</b>
Team AnaPedal	Pedal position sensor
Team FuelCons	Fuel consumption
Team Gear	Engaged gear
Team Pbrake F	Front brake pressure
Team RPM	Engine RPM
Team Speed	Vehicle speed
Team Steering	Steering angle
Team Twater	Engine coolant temperature
Team WspFL	Front left wheel speed
Team WspFR	Front right wheel speed
Team WspRL	Rear left wheel speed
Team WspRR	Rear right wheel speed

**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.