AiM Infotech

Seat Leon Long Race ECU

Release 1.01

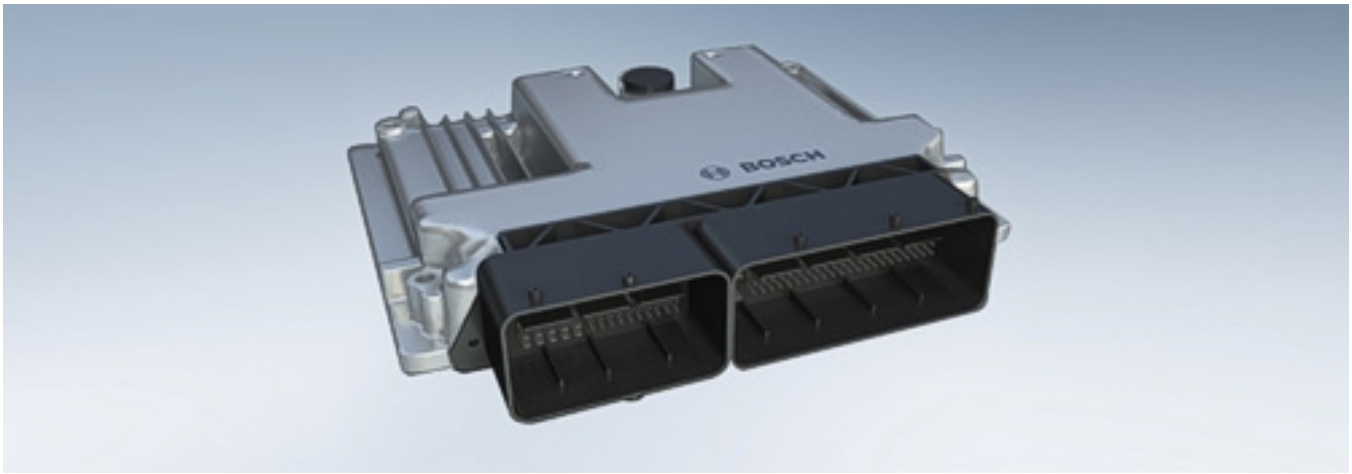
ECU

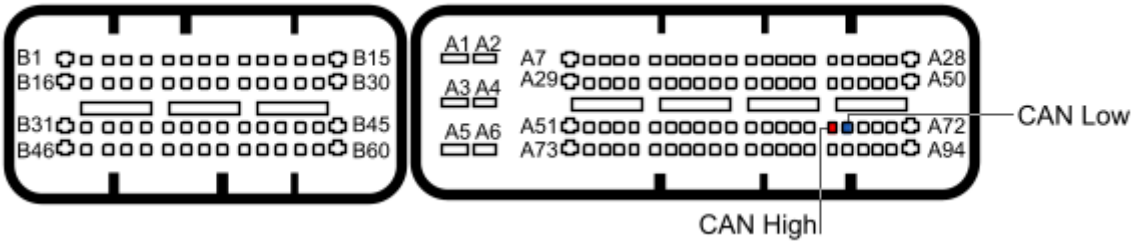
This tutorial explains how to connect Seat cars to AiM devices. Supported models are:

- Seat Leon Long Race

1 CAN connection

These cars are equipped with a Bosch Motronic MED 9.1 ECU that features a bus communication protocol based on CAN on the ECU front right connector. Here below is the ECU, its connectors pinout and the connection table.





ECU connector pin	Pin function	AiM cable
A67	CAN High	CAN+
A68	CAN Low	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 "Bosch" and ECU Model "Seat_Leon_LR"
- transmit the configuration to the device pressing “Transmit”.

3 Available channels

Channels received by AiM devices connected to "Bosch" "Seat_Leon_LR" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	RPM	RPM
ECU_2	FOOT_THROTTLE	Throttle request
ECU_3	THROTTLE	Throttle position sensor
ECU_4	SPEED_FL	Front left steering wheel
ECU_5	SPEED_FR	Front right steering wheel
ECU_6	SPEED_RL	Rear left wheel speed
ECU_7	SPEED_RR	Rear right wheel speed
ECU_8	WATER_TEMP	Engine coolant temperature
ECU_9	AIR_TEMP	Intake air temperature
ECU_10	TURBO_PRESS	Turbo pressure
ECU_11	TURBO_PRESS_HF	Turbo pressure
ECU_12	TURBO_PRESS_LF	Turbo pressure
ECU_13	BOOST_PRESS	Turbo pressure
ECU_14	FUEL_PRESS_L	Low fuel pressure

ECU_15	FUEL_PRESS_H	High fuel pressure
ECU_16	LAMBDA	Lambda value
ECU_17	AIRFLOW	Air flow
ECU_18	GEAR	Engaged gear
ECU_19	GEAR_LEVER_POS	Gear lever position 1
ECU_20	GEAR_LEVER_POS2	Gear lever position 2
ECU_21	FAILURE	Failure