AiM Infotech

Marelli Ginetta LMP3 ECU

Release 1.00

ECU

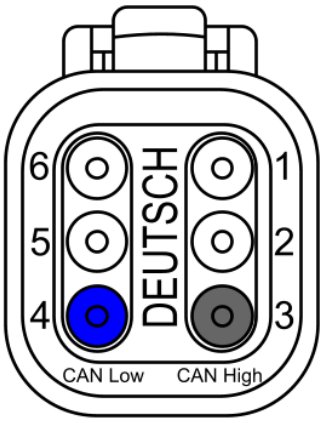
1 Supported models and years

This user guide explains how to connect Ginetta cars to AiM devices. Supported models are:

- Ginetta cars running LMP3 category

2 CAN bus connection

Ginetta LMP3 cars are equipped with a Marelli SRG ECU and feature a bus communication protocol based on CAN on the chassis loom connector labelled "FRT//CAN". The connector part number is: DTM 06-6S-E007 and is shown here below on the right. On the left is connector pinout and bottom is connection table.



Pin	Pin function	AiM cable
3	CAN High	CAN+
4	CAN Low	CAN-

3 AiM device configuration

Before connecting the ECU to AiM device set this up using AiM Race Studio software. The parameters to select in the logger configuration are:

- ECU Manufacturer: "Marelli"
- ECU Model: "CAN_LMP3"

4 Available channels

Channels received by AiM Devices connected to "Marelli" "CAN_LMP3" are:

ID	CHANNEL NAME	FUNCTION
ECU_1	ECU_RPM	RPM
ECU_2	ECU_TPS	Throttle position sensor
ECU_3	ECU_PREDAL	Pedal position sensor
ECU_4	ECU_P_INLET	Intake air pressure
ECU_5	ECU_VEH_SPEED	Vehicle speed
ECU_6	ECU_WSPD_FL	Front left wheel speed
ECU_7	ECU_WSPD_FR	Front right wheel speed
ECU_8	ECU_WSPD_RL	Rear left wheel speed
ECU_9	ECU_WSPD_RR	Rear right left wheel speed
ECU_10	ECU_T_AIR	Intake air temperature
ECU_11	ECU_T_WATER	Engine coolant temperature
ECU_12	ECU_T_OIL	Oil temperature
ECU_13	ECU_T_GBOX	Gearbox temperature
ECU_14	ECU_P_OIL	Oil pressure
ECU_15	ECU_P_FUEL	Fuel pressure

ECU_16	ECU_P_BARO	Barometric pressure
ECU_17	ECU_STEER_ANG	steering angle
ECU_18	ECU_P_MEGALINE	Gearbox pressure
ECU_19	ECU_V_BATT	Battery supply
ECU_20	ECU_GBOX_BARREL	Gearbox barrel position
ECU_21	ECU_GEAR	Engaged gear
ECU_22	ECU_P_BRK_F	Front brake pressure
ECU_23	ECU_P_BRK_R	Rear brake pressure
ECU_24	ECU_CONS_LAP	Fuel consumption per lap
ECU_25	ECU_FUEL_LEV	Fuel level
ECU_26	ECU_LAP_T	Lap time
ECU_27	ECU_LAP_N	Lap number