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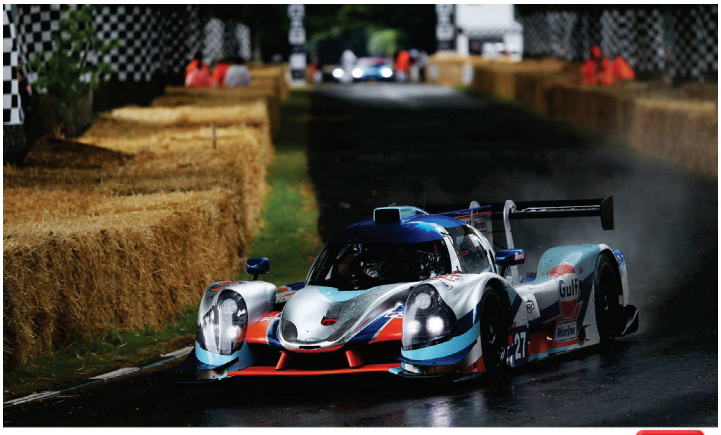
AiM InfoTech

MARELLI – LIGIER LMP3
2015 - 2019

Release 1.02



ECU

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1 Models and years

This document explains how to connect AiM devices to the vehicle Engine Control Unit (ECU) data stream.
Supported models and years are:

- LIGIER – JS P3 LMP3 1st gen 2015 - 2019

2 Wiring connection

Ligier LMP3 cars are equipped with a Marelli SRG ECU and feature a bus communication protocol based on CAN on a DTM connector placed bottom right of the passenger seat. The connector part number is: DTM 06-4S-E007 and is shown here below on the right. On the left is connector pinout and bottom is connection table.

DTM 06-4S connector pin	Function	AiM cable	AiM color cable
4	CAN+	CAN+	White
3	CAN-	CAN-	Blue

3
Race Studio configuration

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

- ECU manufacturer: **MARELLI**
- ECU Model: **CAN_LMP3**

4
"MARELLI – CAN_LMP3" protocol

Channels received by AiM devices configured with "MARELLI – CAN_LMP3" protocol are:

CHANNEL NAME	FUNCTION
ECU RPM	Engine RPM
ECU GEAR	Engaged gear
ECU VEH SPEED	Vehicle speed
ECU WSPD FL	Front left wheel speed
ECU WSPD FR	front right wheel speed
ECU WSPD RL	Rear left wheel speed
ECU WSPD RR	Rear right wheel speed
ECU T WATER	Water temperature
ECU T AIR	Intake air temperature
ECU T OIL	Oil temperature
ECU T GBOX	Gearbox temperature
ECU P OIL	Oil pressure
ECU BRK F	Front brake pressure
ECU BRK R	Rear brake pressure
ECU FUEL	Fuel pressure
ECU P BARO	Barometric pressure

ECU P MEGALINE	Gearbox pressure
ECU P INLET	Inlet pressure
ECU STEER ANG	Steering angle position
ECU TPS	Throttle position sensor
ECU PEDAL	Pedal position sensor
ECU GBX BARREL	Gearbox barrel position
ECU FUEL LEV	Fuel level
ECU LAP N	Lap number
ECU LAP T	Lap time
ECU CONS LAP	Fuel consumption per LAP

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.