

AiM InfoTech

Ferrari
488 GT3/GTE
From 2016

Release 1.00



ECU





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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:

- 488 GT3 from 2016
- 488 GTE from 2016

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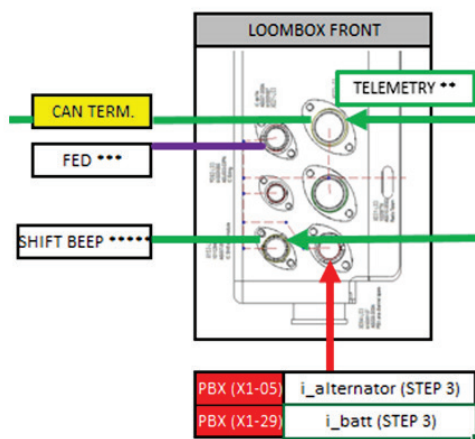
Wiring connection

These models are equipped with a specific manufacturer protocol based on CAN, accessible in different ways as detailed here following.

2.1 “Loombox Front” connection

In the standard car without options, there is a junction box indicated as “Loombox front”, this is located in two different positions for model 2016 and 2018, behind or under the controls central console.

CAN bus is accessible through the “TELEMTRY” 13 pin Deutsch female connector. For this installation refer to the following connection table.



13 pins connector

10
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Function

CAN High
CAN Low

AiM cable

CAN+
CAN-

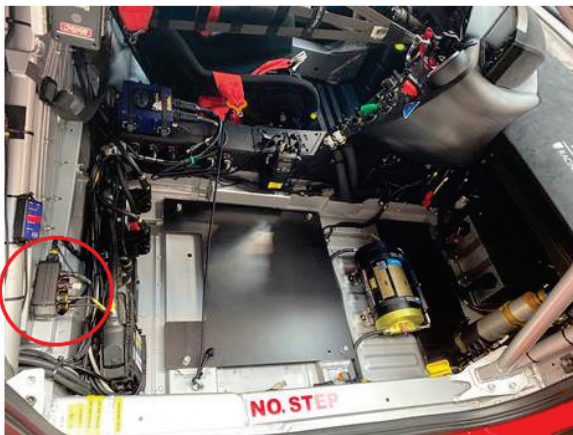
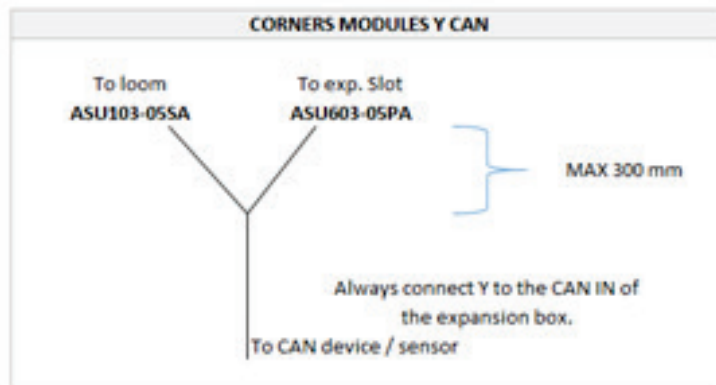
AiM cable color

White
Blue

2.2 “Corners Modules” connection

In case the car is equipped with an extended telemetry system, then the connection is possible through the corners modules plugs using a Y cable to be interposed between the CAN IN port and the loom connected to it.

The connection is through a 5 pin male Deutsch connector, yellow striped. For this installation refer to the following connection table.

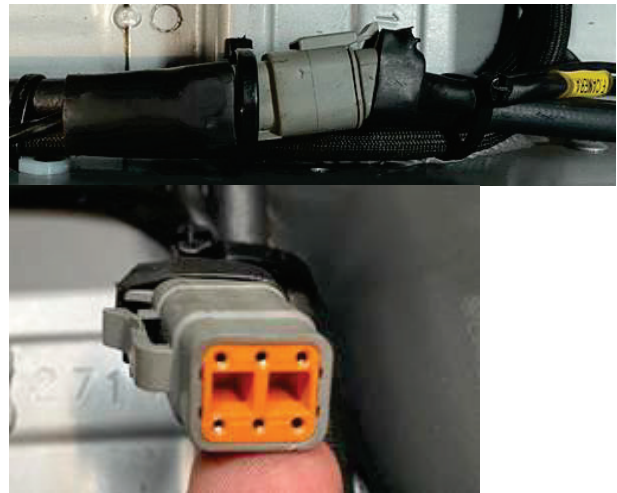


5 pin Deutsch connector B/Y	Function
1	V Battery
2	CAN_F_high
3	CAN_F_Low
4	Ground

AiM cable	AiM color cable
V Batt	Red
CAN +	White
CAN -	Blue
GND	Black

2.3 “MoTec logger” connection

For cars equipped with a MoTec logging system, the connection is through a 6 ways female Deutsch DTM connector. For this installation refer to the following connection table.



Deutsch DTM 6 pin	Function	AiM cable	AiM color cable
1	V Battery	V Batt	Red
2	Ground	GND	Black
3	CAN Low	CAN-	Blue
4	CAN High	CAN+	White

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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: **FERRARI**
- ECU Model: **488 GT3**

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"FERRARI – 488 GT3" protocol

Channels received by AiM devices configured with "FERRARI – 488 GT3" protocol are:

CHANNEL NAME	FUNCTION
RPM	Engine RPM
Gear	Engaged gear
Veh Speed	Vehicle speed
PPS	Pedal position sensor
AccX	Inline acceleration
AccY	Lateral acceleration
Yaw	Yaw rate
Lap Time	Lap time
BeaconECU	Beacon ECU
PBrakeF	Front brake pressure
SteerAng	Steering angle position

Technical note: not all data channels outlined in the ECU template are validated for each manufacture's model or variant; some of the outlined channels are model and year specific, and therefore may not be applicable.