

AIM Infotech

Ducati Multistrada 1200

Release 1.01

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ECU



# 1

## Bike years

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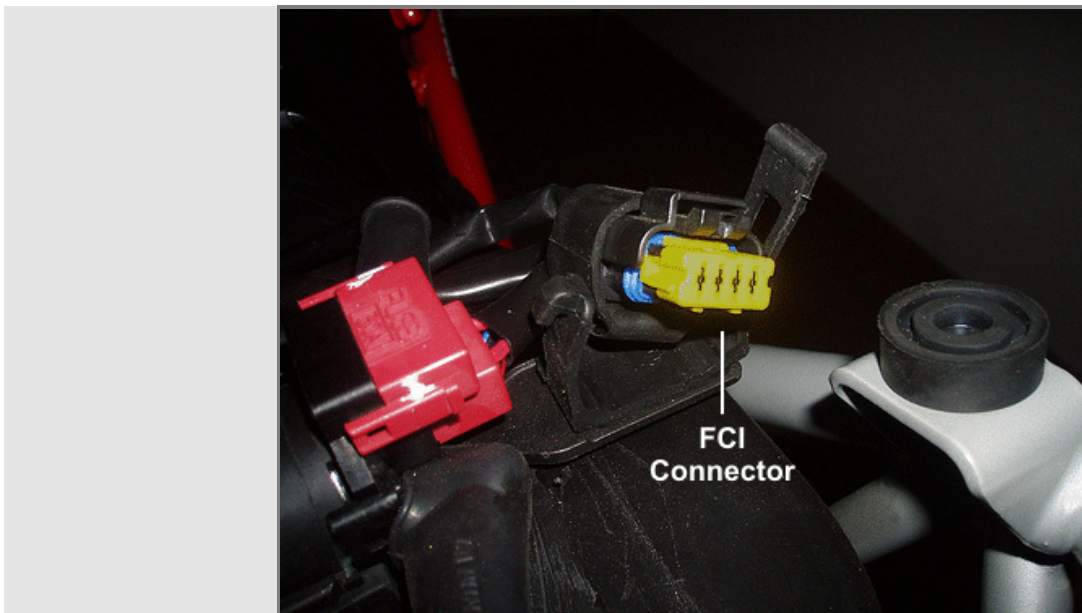
This tutorial describes how to connect AIM SoloDL, EVO4 and ECU Bridge to Ducati Multistrada from 2010 onward.

# 2

## CAN bus connection

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Ducati Multistrada communicates through the CAN Bus that can be reached on an FCI connector placed under the bike seat and shown here below.



## 3 Connection with AIM devices

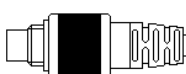
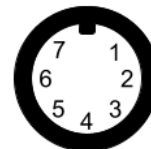
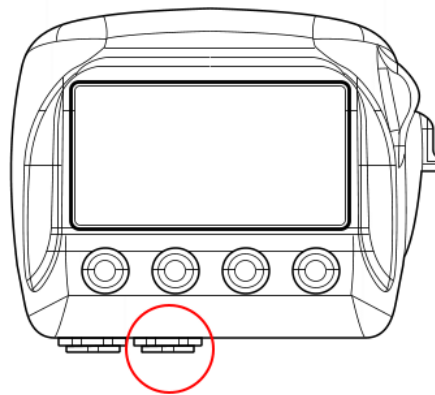
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Here follow instructions on how to connect this Ducati bike to AIM SoloDL, EVO4 and ECU Bridge:

### 3.1 Connection with SoloDL

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To connect SoloDL to this Ducati bike use the seven pins right Binder female connector placed under the logger. This connection requires a dedicated cable properly designed and developed by AIM whose part number is **V02569170**. Through this cable you can also power your SoloDL. Here below SoloDL female Binder position with its pinout and the dedicated cable are shown.



7 pins male  
connector



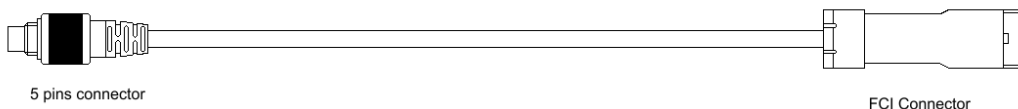
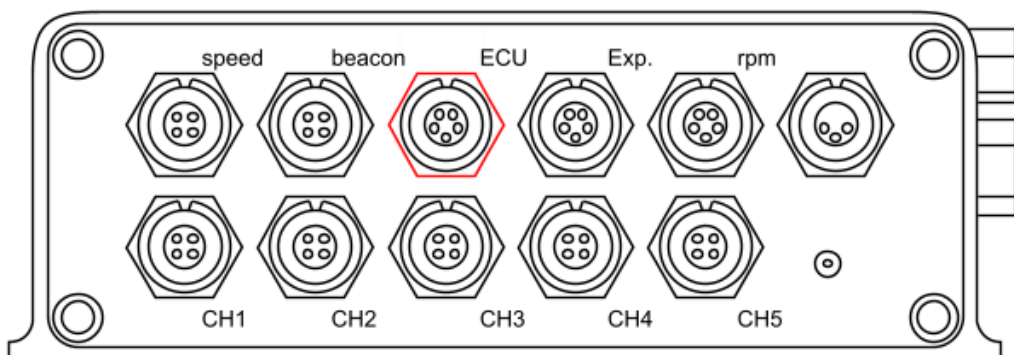
FCI Connector

## 3.2 Connection with EVO4

EVO4 has the CAN Bus on the ECU connector (highlighted in red here below). This connection requires a dedicated cable properly designed and developed by AIM whose part number is **V02563150**.

**Please note:** EVO4 needs external power. Refer to EVO4 user manual to know how to power the logger.

Here below EVO4 ECU connector and the dedicated cable are shown.



## 3.3 Connection with ECU Bridge

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ECU Bridge is available in different versions. The one that fits this installation has part number **X90BGDDDA**. Through the FCI connector you can also power your ECU Bridge. Here below you see ECU Bridge with the FCI connector.



## 4 AIM Logger configuration

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Before connecting the ECU to AiM logger, set it up as follows:

Run Race Studio 2 software and follow this path:

- Device Configuration → Select the device you are using;
- select the configuration or press "New" to create a new one;
- select ECU manufacturer "Ducati" and ECU Model "Multistrada\_1200";
- transmit the configuration to the device pressing "Transmit".

## 5

### Available channels

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Channels received by AIM devices connected to "Ducati" "Multistrada\_1200" are:

ID	CHANNEL NAME	FUNCTION
ECU_1	MU_RPM	RPM
ECU_2	MU_SPEED	Vehicle speed
ECU_3	MU_TPS_HAND	Manual Throttle position sensor
ECU_4	MU_TPS1	Throttle position sensor 1
ECU_5	MU_TPS2	Throttle position sensor 2
ECU_6	MU_WATER_T	Engine cooling temperature
ECU_7	MU_INTK_AIR_T	Intake air temperature
ECU_8	MU_AMBIENT_T	Ambient temperature
ECU_9	MU_BATTERY	Battery supply
ECU_10	MU_BRAKE_SW	Brake switch
ECU_11	MU_CLUTCH_SW	Clutch switch
ECU_12	MU_GEAR	Engaged gear
ECU_13	MU_NEUTRAL_SW	Neutral switch
ECU_14	MU_OILP_SW	Oil pressure switch
ECU_15	MU_TURN_RIGHT	Right turn indicator
ECU_16	MU_TURN_LEFT	Left turn indicator

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