



AiM User Guide

Kit EVO4S e SOLO 2 DL for Ducati Multistrada 1200 (2010-2011)

Release 1.00



KIT





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Models and years

This manual explains how to connect EVO4S and SOLO 2 DL to the bike engine control unit (ECU).

Compatible models are:

- Ducati Multistrada 1200 2010-2011

Warning: for these models/years AiM recommends not to remove the stock dash. Doing so will disable some of the bike functions or safety controls. AiM Tech srl will not be held responsible for any consequences that may result from the replacement of the original instrumentation cluster.

2 Kit content and part numbers

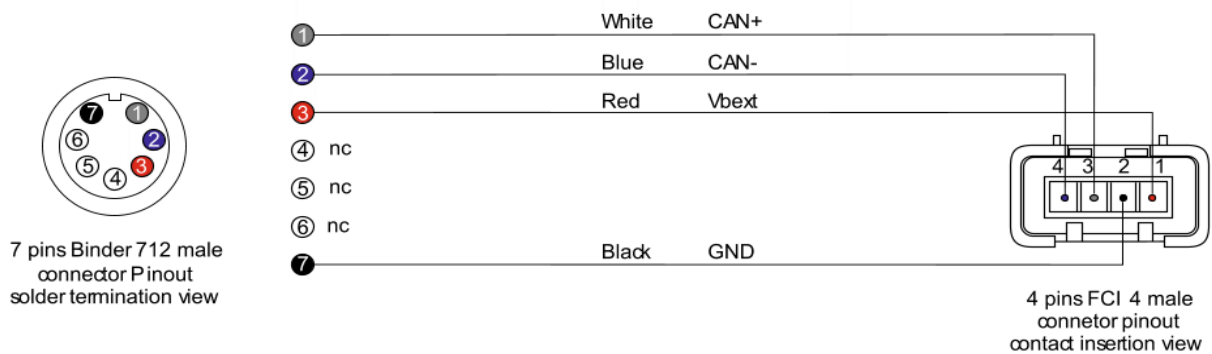
AiM developed a specific connection cable to the ECU for EVO4S/SOLO 2 DL.

2.1 AiM Cable for EVO4S/SOLO 2 DL

Part number for **EVO4S/SOLO 2 DL** connection cable for **Ducati** – shown below – is: **V02569170**.



Following image shows the cable constructive scheme.



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EVO4S/SOLO 2 DL connection

Ducati Hypermotard communication line is based on CAN protocol that can be reached through the DDA connector placed under the bike seat and shown on the right.



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Configuration with Race Studio 3

Before connecting EVO45/SOLO 2 DL to the bike ECU, set all functions using the AiM software Race Studio 3. The parameters to set in the AiM device configuration section are ("ECU Stream" tab):

- ECU Manufacturer: "Ducati"
- ECU Model: "Multistrada_1200"

After this first selection, enable/disable the 120Ohm resistor and the "Silent" mode on CAN Bus as follows:

| | |
|-------------------------------------|-------------------------------------|
| <input type="checkbox"/> | Enable the CAN Bus 120 Ohm Resistor |
| <input checked="" type="checkbox"/> | Silent on CAN Bus |

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"Ducati - Multistrada_1200" protocol

Received channels by EVO4S/SOLO 2 DL configured with "Ducati – Multistrada_1200" protocol are:

| CHANNEL NAME | FUNCTION |
|---------------|---------------------------------|
| MU RPM | RPM |
| MU SPEED | Vehicle speed |
| MU TPS HAND | Manual Throttle position sensor |
| MU TPS1 | Throttle position sensor 1 |
| MU TPS2 | Throttle position sensor 2 |
| MU WATER T | Water Temperature |
| MU INTK_AIR T | Intake air temperature |
| MU AMBIENT T | Ambient temperature |
| MU BATTERY | Battery voltage |
| MU BRAKE SW | Brake switch |
| MU CLUTCH SW | Clutch switch |
| MU GEAR | Engaged gear |
| MU NEUTRAL SW | Neutral switch |
| MU OILP SW | Oil pressure switch |
| MU TURN RIGHT | Right turn indicator |
| 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.