AiM Infotech

Ducati 848, 1098, 1198

Release 1.02

ECU

1 Models and years

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

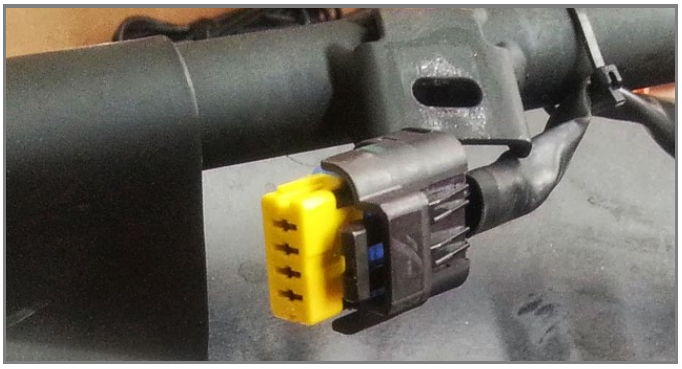
• 848	2007-2013
• 848 EVO	2007-2013
• 848 EVO Corse	2007-2013
• 1098	2007-2019
• 1098 S	2007-2009
• 1098 S Tricolore	2007-2009
• 1098 R	2007-2009
• 1198	2009-2011
• 1198 S	2009-2011
• 1198 S Corse	2009-2011
• 1198 R Corse	2009-2011
• 1198 SP	2009-2011

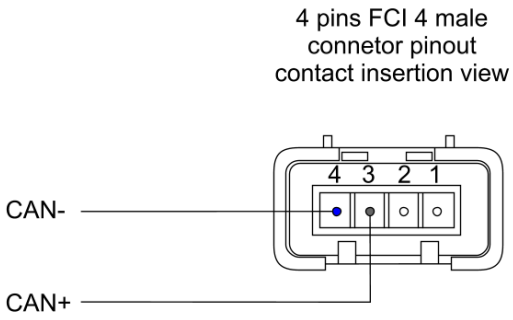
Warning: for these models/years AiM recommends not to remove the stock dash. Doing so will disable some of the bike functions or safety controls. AiM Tech srl will not be held responsible for any consequences that may result from the replacement of the original instrumentation cluster.

2
Connection

These bike models feature a bus communication protocol based on CAN, accessible through the DDA connector placed under the bike tail. For this installation refer to the following pinout of the DDA (vehicle connector – rear view).

Here below the DDA connector pinout is shown as well as connection table.





DDA connector pin	Pin function	AiM cable label
3	CAN High	CAN+
4	CAN Low	CAN-

3 Race Studio configuration

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

- ECU Manufacturer: **Ducati**
- ECU Model: **1098/S**

4 "Ducati – 1098/S" protocol

Channels received by AiM devices connected to "Ducati – 1098/S" protocol are:

CHANNEL NAME	FUNCTION
DUCATI_RPM	RPM
DUCATI_SPEED	Vehicle speed
DUCATI_TPS	Throttle position
DUCATI_ECT	Engine coolant temperature
DUCATI_AIRTEMP	Intake air temperature

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.