

# AiM User Guide

Solo 2/Solo 2 DL, EVO4S and  
ECULog kit for Honda CBR  
1000RR (2004-2016) and  
Honda CBR 600RR (2003-2018)

Release 1.01

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KIT



# 1

## Models and years

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

Compatible models are:

- Honda CBR 600RR 2003-2018
- Honda CBR 600RR HRC with ECU marked D11 2013-2015
- Honda CBR 1000RR 2004-2016
- Honda CBR 1000RR HRC 2014-2016

## 2

# Kit content and part numbers

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AiM developed a specific installation bracket for Solo 2/Solo 2 DL and a connection cable to the ECU for Solo 2 DL, EVO4S and ECULog.

## 2.1

### Bracket for Solo 2/Solo 2 DL

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Part number of **Solo 2/Solo 2 DL** installation bracket for **Honda CBR 600 RR** – shown below – is: **X46KSHCBR6**.

Installation kit contains:

- 1 bracket (1)
- 2 Allen screws with flat head M4x10mm (2)
- 1 washer (3)
- 1 Allen screw with rounded head M6x60 (4)
- 1 rubber dowel (5)



## 2.2

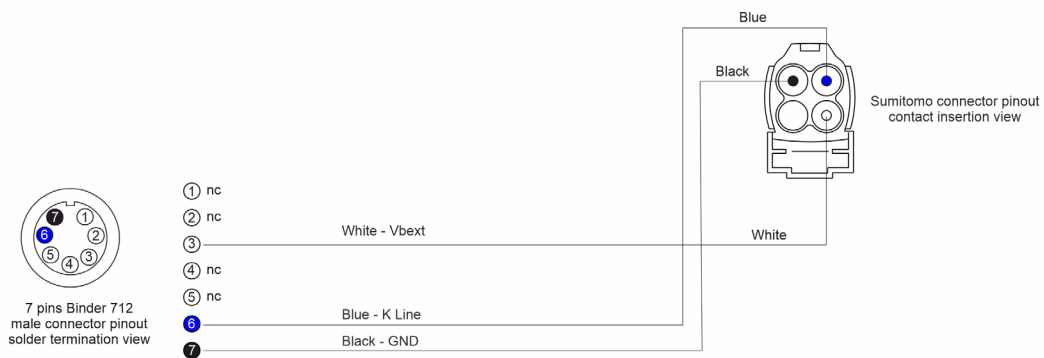
### AiM cable for Solo 2 DL, EVO4S and ECULog

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Part number of Solo 2 DL, EVO4S and ECULog connection cable for Honda CBR 600RR and CBR 1000RR – shown below – is: **V02569290**.



The following image shows the cable constructive scheme.



### 2.3 – AiM kit for Solo 2 DL (CAN cable + bracket)

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Installation bracket and connection cable for Solo 2 DL (**Honda CBR 600RR only**) can also be bought together with part number: **V0256929CS**.

### 3

## Solo 2 DL, EVO4S and ECULog connection

Honda CBR – RR bikes communicate with Honda diagnostic system (HDS) using the K-line that can be reached on the red Sumitomo connector (DLC) placed under the bike seat and shown here on the right.



Connect it to the Sumitomo connector of AiM connection cable.



# 4

## Configuration with RaceStudio 3

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Before connecting AiM devices to the bike ECU set all functions using AiM RaceStudio 3 software. The parameters to set in the AiM device configuration section ("ECU Stream" tab) are:

- ECU Manufacturer: "**Honda**"
- ECU Model must be set according to the following tab (RaceStudio 3 software only):

<b>Bike Model</b>	<b>"HDS_TAB10"</b>	<b>"HDS_TAB11"</b>
Honda CBR 600RR from 2008 to 2018		✓
Honda CBR 600RR HRC from 2013 to 2015 with ECU marked D11		✓
Honda CBR 1000RR from 2008 to 2016		✓
Honda CBR 1000RR HRC from 2014 to 2016		✓
Honda CBR 600RR from 2003 to 2007	✓	
Honda CBR 1000RR from 2004 to 2007	✓	

# 5

## Honda protocols

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Channels received by AiM devices configured with Honda protocols change according to the selected protocol.

### 5.1

#### "Honda – HDS\_TAB10" protocol

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Channels received by AiM devices configured with "Honda – HDS\_TAB10" protocol are:

<b>CHANNEL NAME</b>	<b>FUNCTION</b>
HDS RPM	RPM
HDS TPS V	Throttle position sensor voltage
HDS TPS	Throttle position sensor
HDS ECT	Water temperature
HDS IAT	Intake air temperature
HDS MAP	Manifold air pressure
HDS BATT	Battery voltage
HDS SPD	Vehicle speed
HDS IGN ANG	Ignition angle advance
HDS INJ Tms	Injection time (milliseconds)

**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.

## 5.2

### "Honda – HDS\_TAB11" protocol

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Channels received by AiM devices configured with "Honda – HDS\_TAB11" protocol are:

<b>NOME CANALE</b>	<b>FUNZIONE</b>
HDS RPM	RPM
HDS TPS V	Throttle position sensor voltage
HDS TPS	Throttle position sensor
HDS ECT	Water temperature
HDS IAT	Intake air temperature
HDS MAP	Manifold air pressure
HDS BATT	Battery voltage
HDS SPD	Vehicle speed
HDS IGN ANG	Ignition angle advance
HDS INJ Tms	Injection time (milliseconds)
HDS unk	Free channel to be assigned

**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.