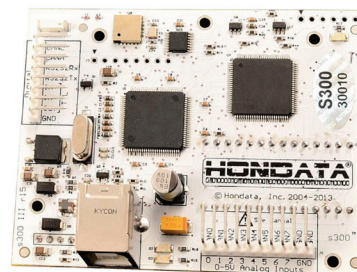


AiM Infotech

Hondata S300 V3 ECU

Release 1.01



ECU



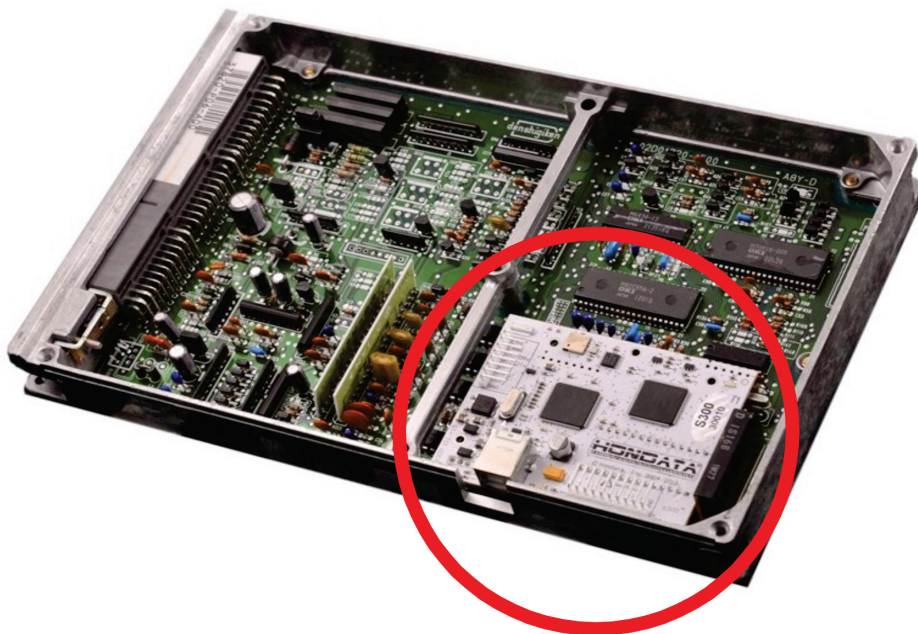
1

Supported models

This document explains how to connect AiM devices to the plug in module Honda Engine Computer. Supported models are: Hondata S300 is a plug in module to the factory Honda Engine Computer as shown here below.

- S300 version 3

Hondata S300 is a plug in module to the factory Honda Engine Computer as shown here below.



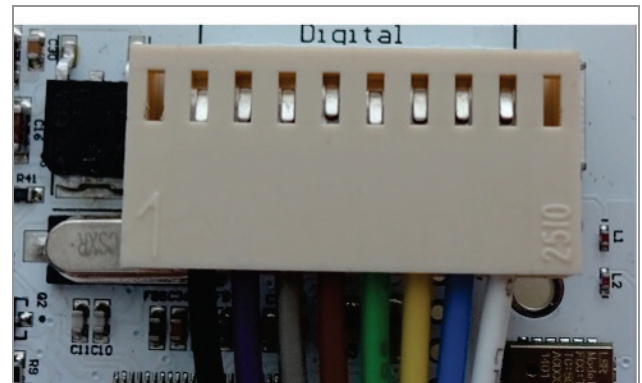
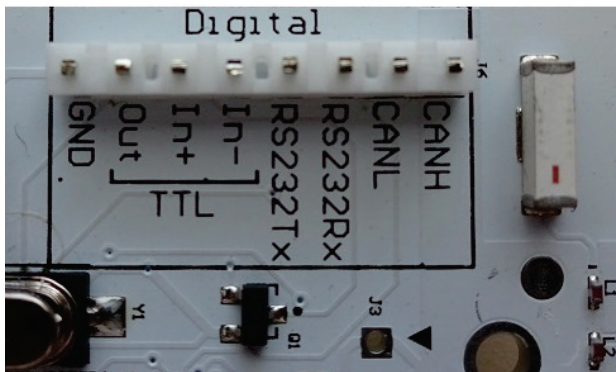
2 Software setup

Hondata S300 V3 module needs a software setting to correctly communicate with AiM devices. Run Hondata "SManager" software and follow this path:

- Parameters → Digital Input/Output → "AiM MXL"
- Upload the configuration to the ECU

3 Wiring connection

Hondata S300 V3 module features a serial communication protocol on the white connector shown here below on the left with cable colour shown on the right. Bottom is connection table.



S300 Pin
RS232TX

Function
RS232TX

Cable colour
Green

AiM cable
ECU RS232TX

Please note:

AiM wiring harnesses supplied after September 2018 have the following labels:

ECU RS232TX (white) to be connected to **ECU TX** pin

ECU RS232RX (blue) to be connected to **ECU RX** pin (if indicated in the connection table above)

AiM wiring harnesses supplied before September 2018 have the following labels:

RS232RX (white) to be connected to **ECU TX** pin

RS232TX (blue) to be connected to **ECU RX** pin (if indicated in the connection table above)

4

Race Studio configuration

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

- ECU manufacturer: **Hondata**
- ECU Model: **KPro**

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“Hondata – KPro” protocol

Channels received by AiM devices configured with "Hondata - KPro" protocol are:

CHANNEL NAME	FUNCTION
HONDATA_RPM	RPM
HONDATA_SPEED	Vehicle speed
HONDATA_GEAR	Engaged gear
HONDATA_ECT	Engine cooling temperature
HONDATA_IAT	Intake air temperature
HONDATA_BATTERY	Battery voltage supply
HONDATA_TPS	Throttle position sensor
HONDATA_MAP	Manifold Air Pressure
HONDATA_INJECTOR_TIME	Injection time
HONDATA_IGNITION_PHASE	Ignition phase
HONDATA_REVERSE_LOCKOUT	Reverse lockout
HONDATA_BRAKE_SWITCH	Brake indicator
HONDATA_SCS	SCS
HONDATA_EPS	EPS
HONDATA_FUEL_PUMP	Fuel pump indicator
HONDATA_RADIATOR_FAN	Radiator fan indicator



HONDATA_VTEC_OIL_PRESS	Oil pressure
HONDATA_VTECS1	Solenoid indicator 1
HONDATA_VTECS2	Solenoid indicator 2
HONDATA_MIL	Malfunctioning indicator lamp
HONDATA_CAM_ANGLE	Cam angle
HONDATA_LAMBDA	Lambda value
HONDATA_AFR	Air/Fuel ratio
HONDATA_KNOCK_COUNT	Knock since power on