

AiM InfoTech

HONDA - TALON

Release 1.00



1 Models and years

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

- TALON – 1000X from 2020
- TALON – 1000R from 2020

2 Wiring connection

These models feature a specific manufacturer protocol based on K-line, accessible through the Sumitomo red female connector (DLC) plug placed under the drivers seat. For this installation refer to the following pinout of the DLC connector and its connection table.



Sumitomo connetor

Orange
Green
White/Black

Function

K-Line
Ground
V Battery



AiM cable

K-Line
GND
V Batt

AiM color cable

Blue
Black
Red

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Race Studio configuration

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

- ECU manufacturer: **HONDA**
- ECU Model: **HDS_TAB11**

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“HONDA – HDS_TAB11” protocol

Channels received by AiM devices configured with "HONDA – HDS_TAB11" protocol are:

CHANNEL NAME	FUNCTION
HDS RPM	RPM
HDS TPS V	Throttle position sensor voltage
HDS TPS	Throttle position sensor
HDS ECT	Engine coolant temperature
HDS IAT	Intake air temperature
HDS MAP	Manifold air temperature
HDS BATT	Battery voltage
HDS SPD	Vehicle speed
HDS IGN ADV	Ignition advance
HDS INJ Tms	Injection trims
HDS unk	Unknow error

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