

AiM Infotech

Aprilia RSV4  
Racing kit

Release 1.01

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## 1 Bike Models and years

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This tutorial explains how to connect Aprilia RSV4 bikes to AiM devices. Supported bike models and years are:

- Aprilia RSV4 Racing kit 2010-2011

## 2 CAN Communication

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Aprilia RSV Racing kit ECU features a bus communication protocol based on CAN on the 55 pins red connector on the bike ECU. Here below is connection table.

<b>Red connector pin</b>	<b>Pin function</b>	<b>AiM cable label</b>
32	CAN High	CAN+
25	CAN Low	CAN-

## 3 AiM device configuration

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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 "Aprilia"
- ECU Model "RSV4\_KIT\_RACING"



## 4

# Available channels

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Channels received by AiM devices connected to "Aprilia" "RSV4\_KIT\_RACING" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	KIT_RPM	RPM
ECU_2	KIT_PIT_LANE	Pit line limiter

**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.