AiM Infotech

Kawasaki ZX10R from 2011 ECU

Release 1.03

ECU

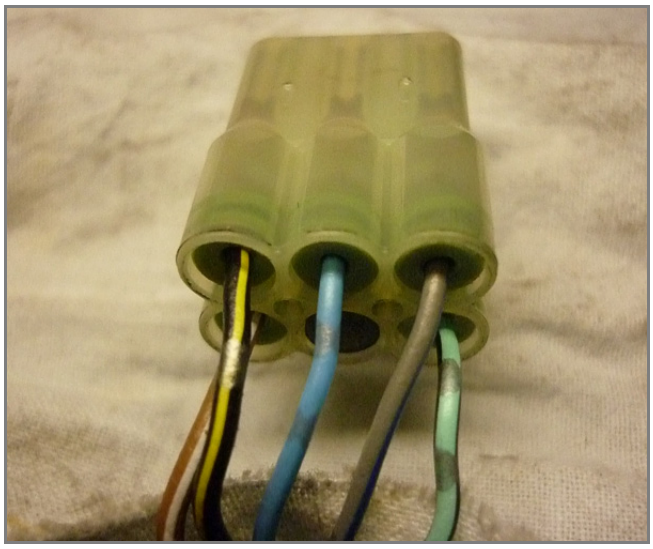
This tutorial explains how to connect AiM devices to Kawasaki ZX10R. Supported years and models are:

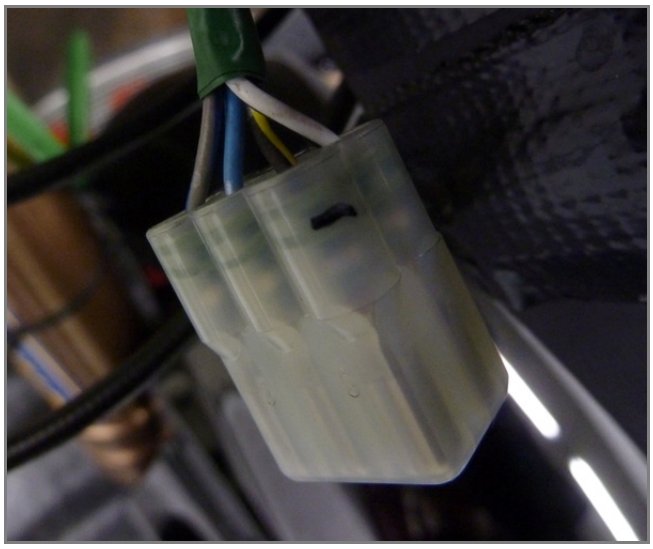
- Kawasaki ZX10R from 2011 onwards
- Kawasaki ZX10R Racing kit from 2011 onwards

1 Wiring connection

Kawasaki ZX10R and ZX10R Racing kit feature a data transmission bus based on CAN on the Sumitomo connector. This connector is in a different position on the two models:

- under the bike seat on the stock bike – image here below on the left
- under the instrumentation cluster on the racing kit bike – i\mage here below on the right.





1.1
AiM dedicated cables

AiM has developed two dedicated cables to quickly connect AiM EVO4 and SoloDL to ZX10R bike (stock and racing kit). Their part number is:

- Plug&Play cable for EVO4 – image below on the left **V02563160**
- Plug&Play cable for SoloDL – image below on the right **V02569220**

1.2
CAN Connection

To connect other AiM devices to Kawasaki ZX10R you can use the two connectors previously indicated. For the connection refer to these colour cables:

Cable colour	Pin function	AiM cable
GREY/Blue	CAN High	CAN+
Light blue	CAN Low	CAN-

Warning: no matter how you connect AiM device to Kawasaki ZX10R bike **do not remove the bike stock dash**. Removal of the stock dash leads in fact to the impossibility of traction control and map selector management.

2 AiM Logger configuration

Before connecting AiM device to the ECU, set it up as follows:

Run Race Studio 2 software and follow this path:

- Device Configuration –> Select the device you are using;
- select the configuration or press “New” to create a new one;
- select ECU manufacturer “Kawasaki” and ECU Model: "KIT RACING"
- transmit the configuration to the device pressing “Transmit”.

3 Available channels

Channels received by AiM devices connected to Kawasaki ZX10R are:

ID	CHANNEL NAME	FUNCTION
ECU_1	ZX_RPM	RPM
ECU_2	ZX_SPEED_F	Front wheel speed
ECU_3	ZX_SPEED_R	Rear wheel speed
ECU_4	ZX_TPS	Throttle position
ECU_5	ZX_ECT	Engine coolant temperature
ECU_6	ZX_IAT	Intake air temperature
ECU_7	ZX_GEAR	Engaged gear
ECU_8	ZX_CLUTCH	Clutch switch
ECU_9	ZX_POW_MODE	Power mode
ECU_10	ZX_TC_MODE	Traction control mode
ECU_11	ZX_SHIFTER	Shifter
ECU_12	ZX_PIT_ROAD	Pit lane limiter
ECU_13	ZX_DIAG_CODE_1	Diagnostic code 1
ECU_14	ZX_DIAG_CODE_2	Diagnostic code 2

ECU_15	ZX_DIAG_CODE_3	Diagnostic code 3
ECU_16	ZX_V_BATT	Battery supply
ECU_17	ZX_TC_SELECT	Traction control level selection

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.