AIM Infotech

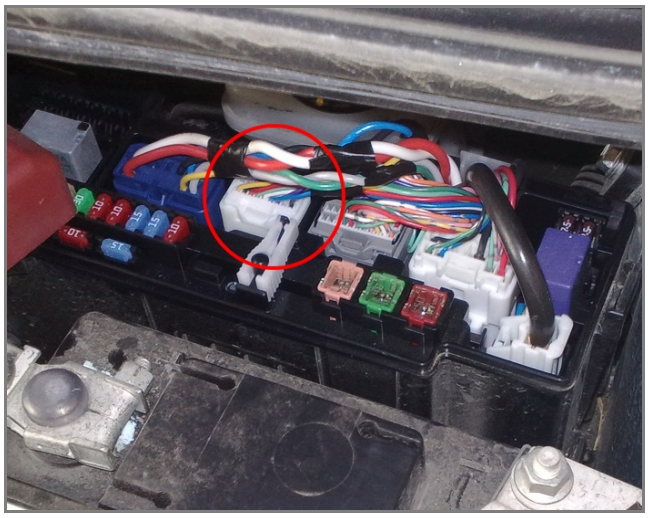
Toyota Aygo

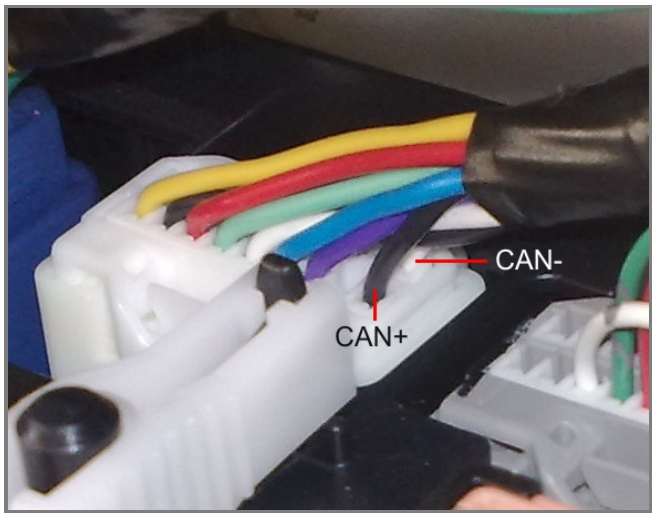
Release 1.03

This tutorial explains how to connect Toyota Aygo (all years) to AiM devices.

1 Wiring connection

Toyota Aygo ECU features a bus communication protocol based on CAN. To reach the ECU CAN bus a connector is available. It is placed in the engine compartment – under the windscreen wipers in the fuse box over the battery. It is shown here below on the left. The image on the right highlights the cables to be used for AiM devices connection. Under the images is the connection table.





Connector cable	Pin function	AiM cable
Black	CAN High	CAN+
White	CAN Low	CAN-

2 AiM device configuration

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

- ECU manufacturer “Toyota”
- ECU Model “AYGO”

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Available channels

Channels received by AIM loggers connected to "Toyota" "AYGO" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	AYGO_RPM	RPM
ECU_2	AYGO_SPEED	Vehicle speed
ECU_3	AYGO_PPS	Pedal position sensor
ECU_4	AYGO_TPS	Throttle position sensor
ECU_5	AYGO_KICKDOWN	Kick down
ECU_6	AYGO_GEAR	Engaged gear
ECU_7	AYGO_ECT	Engine coolant temperature
ECU_8	AYGO_IAT	Intake air temperature
ECU_9	AYGO_ENGT	Engine temperature
ECU_10	AYGO_MAP1	Manifold air pressure 1
ECU_11	AYGO_MAP2	Manifold air pressure 2
ECU_12	AYGO_BARO	Barometric pressure
ECU_13	AYGO_UNKN1	Unidentified channel 1
ECU_14	AYGO_UNKN2	Unidentified channel 2
ECU_15	AYGO_UNKN3	Unidentified channel 3
ECU_16	AYGO_UNKN4	Unidentified channel 4

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.