

AiM InfoTech

TOYOTA  
GR Yaris

Release 1.00

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## 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:

- GR Yaris MY2020 2020 – 2024
- GR Yaris EVO MY2025 from 2025

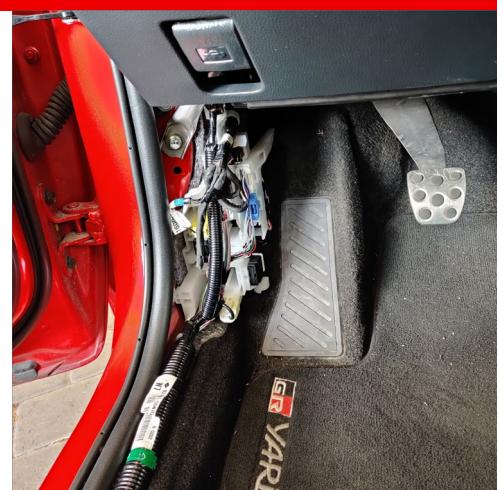
## 2

# Wiring connection

These models feature a proprietary protocol based on CAN, accessible through a direct connection to the powertrain CANbus. An access to it is available on the left hand, footrest area as shown in the following pictures on the blue connector.

GR Yaris wire color	Function	AiM cable	AiM color cable
White	CAN H	CAN+	White
Purple	CAN L	CAN-	Blue

**Please note:** this connection is to be performed by a skilled technician.



## 3

# RaceStudio configuration

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Before connecting the AiM device to the ECU, set all functions up using AiM software RaceStudio 3. The parameters to set in the device configuration are:

- ECU manufacturer: **TOYOTA**
- ECU model: **GR Yaris** (RaceStudio 3 only)

## 4

# "TOYOTA – GR Yaris" protocol

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Channels received by AiM devices configured with "TOYOTA – GR Yaris" protocol are:

CHANNEL NAME	FUNCTION
EngineRPM	Engine RPM
WheelSpeedRR	Wheel speed RR
WheelSpeedFR	Wheel speed FR
WheelSpeedRL	Wheel speed RL
WheelSpeedFL	Wheel speed FL
AccPedalPos	Accelerator pedal percentage
BrakePosition	Brake percentage
SteeringAngle	Steering wheel angle
ClutchPosition	Clutch pedal position
BrakeLight	Brake light switch
TractionControl	Traction control code

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