

AIM Infotech

Toyota Lexus 2nd
generation
IS 220, IS 250, IS 350, IS-F

Release 1.04



This tutorial explains how to connect Toyota cars to AiM devices.

1 Supported car models

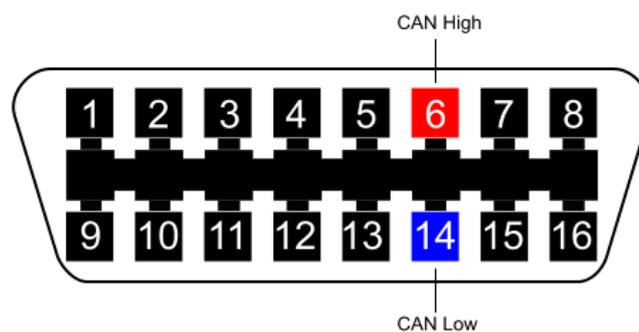
Supported car models are:

- IS 250;
- IS 350;
- IS-F;
- IS 220.

2 Wiring connection

Toyota Lexus 2nd generation ECU features a bus communication protocol based on CAN on the OBDII plug placed under the steering wheel.

Connector pinout as well as connection table are shown here below



OBDII connector pin	Pin function	AiM cable
6	CAN High	CAN+
14	CAN Low	CAN-

3

AiM device configuration

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 "Toyota"
- ECU Model "LEXUS";

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Available channels

Channels received by AiM loggers connected to "Toyota" "LEXUS" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	RPM	RPM
ECU_2	PPS	Pedal Position sensor
ECU_3	BRAKE_PRESS	Brake pressure
ECU_4	VEH_SPEED	Vehicle speed
ECU_5	STEERING_ANGLE	Steering angle
ECU_6	BRAKE_PRESS2	Brake pressure 2

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.