AIM Infotech

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

Release 1.02

This tutorial explains how to connect Toyota cars to AiM devices.
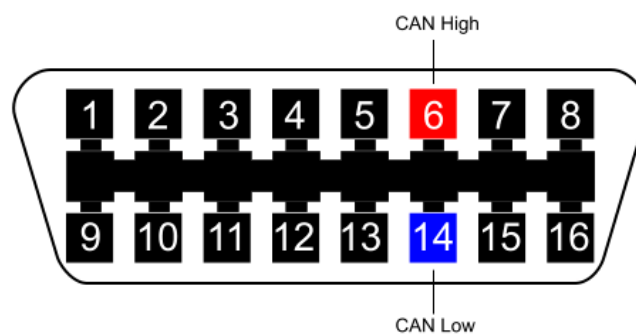
1
Supported car models

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 Logger configuration

Before connecting the ECU to AiM logger 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 "Toyota" and ECU Model "LEXUS";
- transmit the configuration to the device pressing "Transmit".

4
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

Please note: channels listed above are those polled by AiM devices. They may or may not come across in the data stream depending on models.