AiM Infotech

Nissan 350Z
2003-2009

Release 1.07

ECU

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Supported years and models
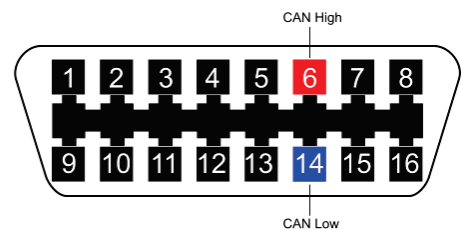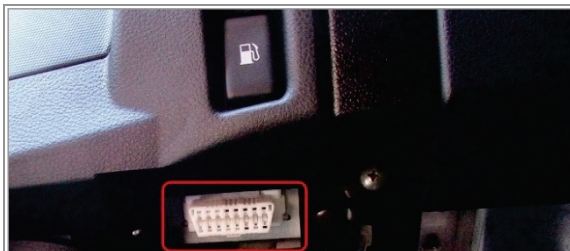
This document explains how to connect Nissan 350Z cars to AiM devices. Supported years and models are:

- Nissan 350Z   2003-2009

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Wiring connection

Nissan 350Z ECU features a bus communication protocol based on CAN, that can be reached through the OBDII plug, placed on the left side of the car cockpit, as shown here below on the left. On the right is the connector view and bottom is connection pinout (rear view):

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

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AiM device configuration

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

- ECU manufacturer   **Nissan**
- ECU Model   **350Z**

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"Nissan – 350Z" protocol

Channels received by AiM devices connected to "Nissan – 350Z" protocol are:

CHANNEL NAME	FUNCTION
NISSAN RPM	Engine RPM
NISSAN SPEED	Vehicle speed
WHFL	Front Lateral Wheel Speed
WHFR	Front Rear Wheel Speed
WHRL	Rear Left Wheel Speed
WHRR	Rear Right Wheel Speed
Trans Acc	Lateral Acceleration
Yaw Rate	Yaw Rate
Engine Coolant T	Water Temperature
Steering Angle	Steering Angle Sensor
PPS	Pedal Position Sensor
OiTemp Alarm	Oil Temperature Alarm
BrakeSwitch	Brake Switch
OilPressSwitch	Oil Press Switch

Technical note for ECU connection: 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.

In case of OBDII connection, 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. RPM, TPS, ECT and speed are generally available.