AiM Infotech

Nissan 370Z

Release 1.04

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

1
Supported model and years

Supported model and years are:

- Nissan 370Z   from 2009 onwards

2
Wiring connection

Nissan 370Z features a bus communication protocol based on CAN on the OBDII plug located in the left side of the car cockpit as shown here below.
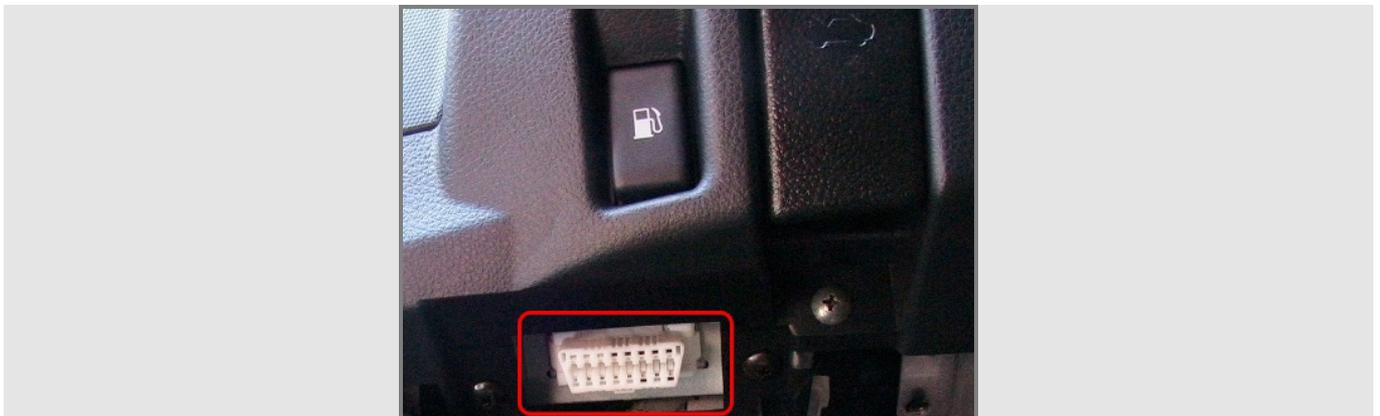
Connector pinout as well as connection table are shown here.
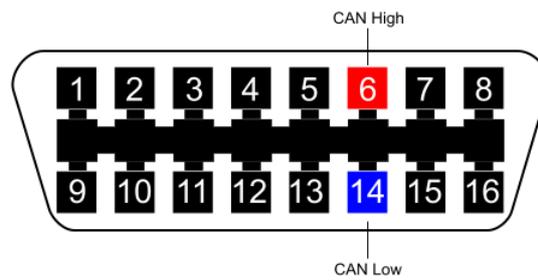
OBDII connector pin	Pin function	AiM cable
6	CAN High	CAN+
14	CAN Low	CAN-

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 "Nissan"
- ECU Model "370Z";

4
Available channels

Channels received by AiM loggers connected to "Nissan" "370Z" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	Z_RPM	Engine speed sensor
ECU_2	Z_VEH_SPEED	Vehicle speed
ECU_3	Z_SPEED_FR	Front right wheel speed
ECU_4	Z_SPEED_FL	Front left wheel speed
ECU_5	Z_SPEED_RL	Rear left wheel speed
ECU_6	Z_SPEED_RR	Rear right wheel speed
ECU_7	Z_BRAKE_POS	Brake position
ECU_8	Z_BRAKE_SW1	Brake switch 1
ECU_9	Z_BRAKE_SW2	Brake switch 2
ECU_10	Z_ECT	Engine coolant temperature
ECU_11	Z_LOW_OILP	Low oil pressure
ECU_12	Z_PPS	Pedal position
ECU_13	Z_TC_OFF	Traction control OFF
ECU_14	Z_DIFF_CTRL	Differential control
ECU_15	Z_ACC_LAT	Lateral accelerometer
ECU_16	Z_ACC_LONG	Longitudinal acceleration
ECU_17	Z_STEER_ANG	Steering angle
ECU_18	Z_STEER_SPD	Steering wheel speed

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.