AiM Infotech

Nissan Versa

Release 1.01

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

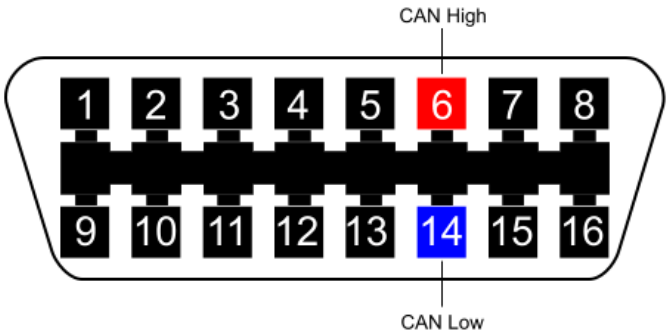
1 Supported model and years

Supported model are:

- Nissan Versa from 2012 onwards.

2 Wiring connection

Nissan Versa features a bus communication protocol based on CAN on the OBDII plug; this last one should be on the steering column. Other possible positions are: in the central column, on the pedal area or on the left of the steering wheel. **Please note**: according to the international rules the OBDII plug is to be in a 60 cm distance area from the steering column. 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 device 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 “Nissan” and ECU Model “VERSA_B-Spec”;
- transmit the configuration to the device pressing “Transmit”.

4 Available channels

Channels received by AiM loggers connected to "Nissan" "VERSA_B-Spec" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	V_RPM	RPM
ECU_2	V_VEH_SPEED	Vehicle speed
ECU_3	V_SPEED_FR	Front right wheel speed
ECU_4	V_SPEED_FL	Front left wheel speed
ECU_5	V_SPEED_RR	Rear right wheel speed
ECU_6	V_SPEED_RL	Rear left wheel speed
ECU_7	V_PPS	Pedal position sensor
ECU_8	V_BRAKE_SW1	Brake switch 1
ECU_9	V_BRAKE_SW2	Brake switch 2
ECU_10	V_ECT	Engine coolant temperature
ECU_11	V_LOW_OILP	Low oil pressure
ECU_12	V_STEER_ANG	Steering angle
ECU_13	V_STEER_SPD	Steering speed

ECU_14	V_ACC_LONG	Longitudinal accelerometer
ECU_15	V_ACC_LAT	Lateral accelerometer

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.