

AiM Infotech

Porsche 997-987 MK2 OBDII

Release 1.00





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Car models and years

This tutorial explains how to connect AiM devices to Porsche 911 (997 Mk2) using the OBDII plug. Supported car models and years are:

- | | |
|--------------------------------------|-----------|
| • Porsche 911 (997 Mk2) GT2 RS | 2011 |
| • Porsche 911 (997 Mk2) GT2 | 2010-2011 |
| • Porsche 911 (997 Mk2) GT3 RS 4.0 | 2010-2011 |
| • Porsche 911 (997 Mk2) GT3 RS 3.8 | 2009-2011 |
| • Porsche 911 (997 Mk2) GT3 | 2009-2011 |
| • Porsche 911 (997 Mk2) Turbo S | 2010-2012 |
| • Porsche 911 (997 Mk2) Turbo | 2010-2012 |
| | |
| • Porsche 911 (997 Mk2) Carrera 4GTS | 2011 |
| • Porsche 911 (997 Mk2) Carrera GTS | 2011 |
| • Porsche 911 (997 Mk2) Carrera 4S | 2009-2011 |
| • Porsche 911 (997 Mk2) Carrera S | 2009-2011 |
| • Porsche 911 (997 Mk2) Carrera 4 | 2009-2011 |
| • Porsche 911 (997 Mk2) Carrera | 2009-2011 |

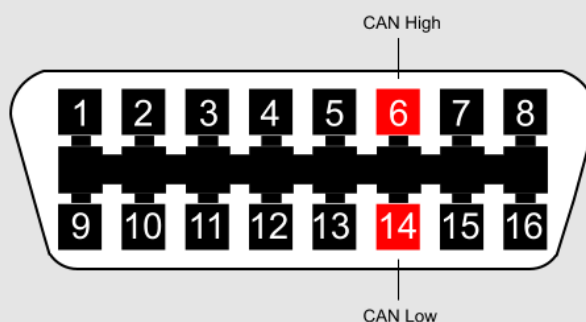
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Wiring connection

Porsche 911 (997 Mk2), is equipped with an OBDII plug placed on the car driver side, left of the steering column near to the pedal keyboard as shown here below.



The ECU communicates using the CAN Bus on the OBDII connector. 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-

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AIM Logger configuration

Once the ECU connected to the logger, this one is to be configured as connected to that ECU.

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 “Porsche” and ECU Model “997_987_MK2_OBDII”;
- transmit the configuration to the device pressing “Transmit”.

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Available channels

Channels received by AiM loggers connected to Porsche 997_987_MK2 protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	RPM	RPM
ECU_2	WHEEL_SP_FL	Front left wheel speed
ECU_3	WHEEL_SP_FR	Front right wheel speed
ECU_4	WHEEL_SP_RL	Rear left wheel speed
ECU_5	WHEEL_SP_RR	Rear right wheel speed
ECU_6	THROTTLE_POS	Throttle position sensor
ECU_7	ACCEL_POS	Acceleration position
ECU_8	COOLANT_TEMP	Engine cooling temperature
ECU_9	INTK_AIR_TEMP	Intake air temperature
ECU_10	MANIFOLD_PRESS	Manifold air pressure
ECU_11	FUEL_LEVEL	Fuel level
ECU_12	STEER_ANGLE	Steering angle
ECU_13	BRAKE_PRESS	Brake pressure