AiM Infotech

#### Porsche 911 (996) MK1, Boxster 986 OBDII connection

#### Release 1.00







This tutorial explains how to connect Porsche cars to AiM devices. The connection can be made through the OBDII plug.

# 1 Car models and years

Supported car models and years are:

•	Porsche 911 (996 MK1)	all models	1997-2001
•	Porsche Boxster 986		1996-2004

# 2 OBDII connection

These Porsche cars feature a bus communication protocol based on K line on the OBDII plug placed on the car driver side, left of the steering column near to the pedal area.





#### Connector pinout as well as connection table are shown here below



OBDII connector pin	Pin function

7

Please note: if you choose this connection we recommend you to use AiM cables to connect AiM devices. Their part number are:

- ECU Bridge with OBDII plug
- EVO4 cable (to be plugged in EVO4 connector labelled RPM)

K Line

- SoloDL cable with OBDII plug
- MXG
- MXL2

X90BGCK12MA V02563050 V02569010 (2m length) or V02569090 (1,2m length) 37 pins standard cable 37 pins standard cable

AiM cable

K line

# 3 AiM Logger configuration

Before connecting the device to the ECU 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 "OBDII" and ECU Model "ISO9141\_2"
- transmit the configuration to the device pressing "Transmit".



### 4 Available channels

Channels received by AiM devices connected to "OBDII" "ISO9141\_2" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	OBDII_RPM	RPM
ECU_2	OBDII_SPEED	Speed
ECU_3	OBDII_ECT	Engine coolant temperature
ECU_4	OBDII_TPS	Throttle position sensor
ECU_5	OBDII_IAT	Intake air temperature
ECU_6	OBDII_MAP	Manifold air pressure
ECU_7	OBDII_MAF	Manifold air flow
ECU_8	OBDII_FUEL_LEV	Fuel level
ECU_9	OBDII_PPS	Pedal position sensor

**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.