



AiM Infotech

Performance Electronics PE3 ECU

Release 1.01



ECU



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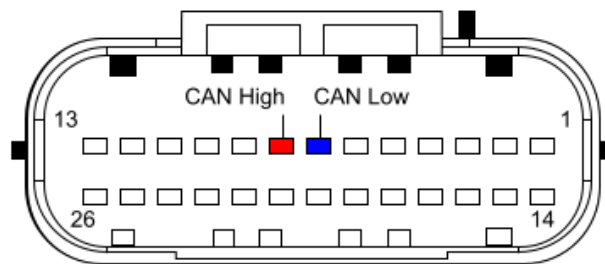


This tutorial explains how to connect Performance Electronics PE3 ECU to AiM devices.

1

Wiring connection

Performance Electronics PE3 ECU features a bus communication protocol based on CAN on "C" rear connector. The ECU has two rear connectors labelled respectively "C" (Comm) and "M" (Main). AiM devices use "C" one. Here below you see its pinout as well as connection table.



DB9 connector pin	Pin function	AiM cable
8	CAN High	CAN+
7	CAN Low	CAN-

2

AiM device configuration

Before connecting the ECU to AiM device set this up using AiM device. The parameters to select in the device configuration are:

- ECU manufacturer "Performance EI"
- ECU Model "ECU_PE3"

3

Available channels

Channels received by AiM devices connected to "Performance EI" "ECU_PE3" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	PE3_RPM	RPM
ECU_2	PE3_TPS	Throttle Position Sensor
ECU_3	PE3_FUEL_TIME	Fuel injection time
ECU_4	PE3_IGN_ANG	Ignition angle
ECU_5	PE3_BARO	Barometric pressure
ECU_6	PE3_MAP	Manifold air pressure
ECU_7	PE3_LAMBDA	Lambda sensor
ECU_8	PE3_ANA_IN1	Analog input 1
ECU_9	PE3_ANA_IN2	Analog input 2
ECU_10	PE3_ANA_IN3	Analog input 3
ECU_11	PE3_ANA_IN4	Analog input 4
ECU_12	PE3_ANA_IN5	Analog input 5
ECU_13	PE3_ANA_IN6	Analog input 6
ECU_14	PE3_ANA_IN7	Analog input 7
ECU_15	PE3_ANA_IN8	Analog input 8
ECU_16	PE3_FREQ1	Frequency 1
ECU_17	PE3_FREQ2	Frequency 2
ECU_18	PE3_FREQ3	Frequency 3
ECU_19	PE3_FREQ4	Frequency 4
ECU_20	PE3_BATTVOLT	Battery supply
ECU_21	PE3_IAT	Intake air temperature
ECU_22	PE3_ECT	Engine cooling temperature
ECU_23	PE3_THERMIST1	Analog Input 5 thermo resistor
ECU_24	PE3_THERMIST2	Analog Input 7 thermo resistor