

AiM InfoTech

Ignitech Ignijet 12A

Release 1.01



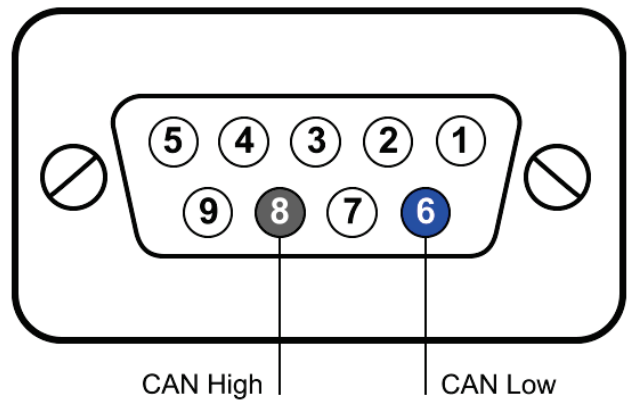
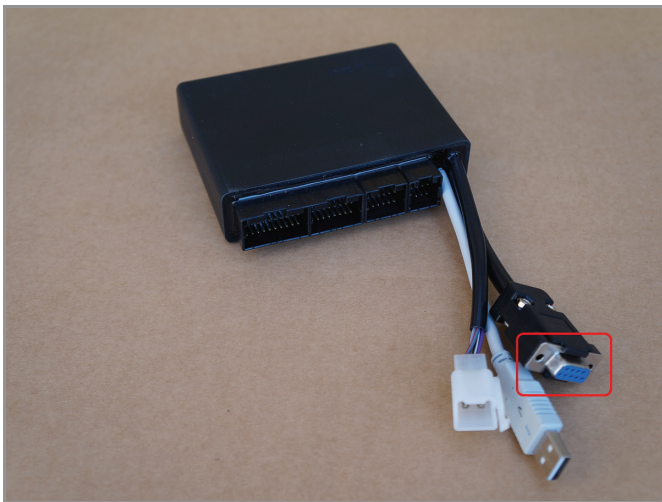
ECU



This tutorial explains how to connect Ignitech – Ignijet 12A ECU to AiM devices.

1 Wiring connection

For Ignitech Ignijet 12A ECU, it is possible to connect to AiM devices through the external DB9 female connector you find on the ECU harness (following left picture). Here below you find the DB9 connector pinout and connection table (front view – harness side).



Pin	Function
8	CAN High
6	CAN Low

AiM cable
CAN+
CAN-

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AiM device configuration

Before connecting the ECU to AiM device set it up using AiM Race Studio software. The parameters to select in the device configuration are:

- ECU manufacturer: **Ignitech**
- ECU Model: **Ignijet_12A**

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“Ignitech – Ignijet_12A” protocol

Channels received by AiM devices connected to "Ignitech – Ignijet_12A" protocol are:

CHANNEL NAME	FUNCTION
RPM	RPM
Gear	Engaged gear
RearSpeed	Rear wheel speed
FronSpeed	Front wheel speed
IntAirT	Ntake air temperature
EngT	Water temperature
FlagLimiter	Flag limiter
IgnAdv	Ignition advance
InjTa1	Injection time A
InjTb1	Injection time B
GearState	Registered gear
AFR	Air/fuel ratio
AFR1	Air/fuel ratio bank 1
BaroP	Barometric pressure
VBatt	Battery voltage
ExhServo	Voltage of exhaust servo position sensor (measured)
InServo	Voltage of inlet servo position sensor (measured)
PotVolt	Potentiometer voltage
MAP	Manifold air pressure



Throttle	Throttle position
TpsCorrInj	Injection correction from throttle position sensor
Slip	Slip ratio
AdvRetTrk	Track advance retard
VehSpdDer	Derivative vehicle speed
AdvRetAcc	Retard advance from acceleration
AccTreshold	Acceleration treshold
DegFaultIgn	Ignition outside the range
PropEffect	Desired proportional effect
MinAdvDes	Minimum desired advance
StLimit	Start limiter function
StLimitRPM	RPM limiter
Proprietary1	Custom channel 1
Proprietary2	Custom channel 2
Proprietary3	Custom channel 3
FlagMulti1	Flag multi 1
FlagMulti2	Flag multi 2
VoltMin1	Voltage Min1
VoltMin2	Voltage Min2
VoltMin3	Voltage Min3
CmpTp	Value correction of injection from comp maps TP
Cmplap	Value correction of injection from comp maps IAP
Proprietary4	Custom channel 4
FlagOutRing	Flag out range
FlagMaxVal	Flag max value
Proprietary5	Custom channel 5
Proprietary6	Custom channel 6
Proprietary7	Custom channel 7