

AiM Infotech

Ignitech Ignijet 2007

Release 1.02



ECU

1

Supported models

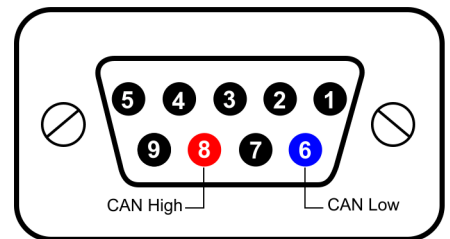
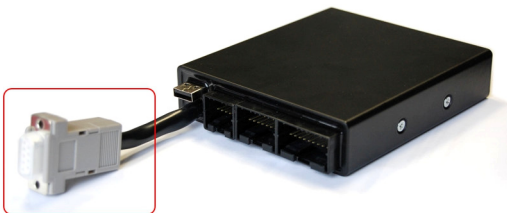
This tutorial explains how to connect Ignitech ECU to AiM devices. Supported models are:

- Ignijet 2007
- Ignijet 2007 250 k

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Wiring connection

Ignijet 2007 ECU features a bus communication protocol based on CAN on the DB9 female connector highlighted here below on the left. On the right is its pinout and below connection table.



ECU connector pin

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Function

CAN High

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CAN Low

AiM cable

CAN+

CAN-

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AiM device configuration

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

- ECU manufacturer "Ignitech"
- ECU Model
 - "IGNIJET_2007" or
 - "IGNIJET_2007_250K"

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Available channels

Channels received by AiM loggers connected to "Ignitech" "Ignijet_2007"/"Ignijet_2007_250K" protocol are the same and here below they are listed.

ID	CHANNEL NAME	FUNCTION
ECU_1	IG_RPM	RPM
ECU_2	IG_SPEED	Vehicle speed
ECU_3	IG_GEAR	Engaged gear
ECU_4	IG_WATER_TEMP	Engine coolant temperature
ECU_5	IG_AIR_TEMP	Intake air temperature
ECU_6	IG_TPS	Throttle position sensor
ECU_7	IG_INL_AIR_P	Inlet air pressure
ECU_8	IG_AIR_PRESS	Intake air pressure
ECU_9	IG_SUP_VOLT	Battery supply
ECU_10	IG_AFR	Air/Fuel ratio
ECU_11	IG_ACC_C_INJ	Accelerometer C injection
ECU_12	IG_GEAR_SH_LT	Gear shift light
ECU_13	IG_SERVO_EX	Voltage of exhaust servo position sensor (measured)



ECU_14	IG_SERVO_INL	voltage of inlet servo position sensor (measured)
ECU_15	IG_POT_VOLT	voltage of potentiometer
ECU_16	IG_START_LIMIT	Start limiter flag
ECU_17	IG_CLUTCH_MS	Clutch master flag
ECU_18	IG_RPM_LIM_IGN	RPM limiter by cut off ignition
ECU_19	IG_RPM_LIM_INJ	RPM limiter by cut off injection
ECU_20	IG_RPM_LIM_ADV	RPM limiter advance
ECU_21	IG_ADV_CYL1	Spark advance cylinder 1
ECU_22	IG_MAIN_INJT_1	Main injection time cylinder 1
ECU_23	IG_SEC_INJT_1	Secondary injection time cylinder 1