AiM Infotech

Fuel Tech
# FT400and FT500 ECU

Release 1.01

ECU

1
Supported models

This tutorial explains how to connect Fuel tech ECU with OLED display to AiM devices. Supported models are:

- FT400
- FT500

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Connection to AiM devices

Fuel Tech ECU feature a bus communication protocol based on CAN rear of the display. Here below you see the CAN connector on the left, its pinout on the right and connection table below.
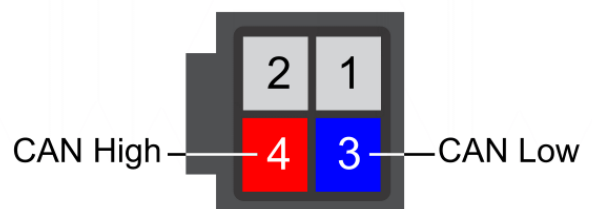
CAN connector pin	Pin function	AiM cable
4	CAN High	CAN+
3	CAN Low	CAN-

3

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 "FUEL_TECH"
- ECU Model "CAN"

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Available channels

Channels received by AiM devices connected to "FUEL_TECH" "CAN" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	ECU_RPM	RPM
ECU_2	ECU_THROTTLE	Throttle position sensor
ECU_3	ECU_MAN_AIR_P	Manifold air pressure
ECU_4	ECU_SONDA_N	Lambda value
ECU_5	ECU_INJ_Tams	Injection pulse width – Bank A
ECU_6	ECU_INJ_TBms	Injection pulse width – Bank B
ECU_7	ECU_DUTY_A	Injection duty cycle – Bank A
ECU_8	ECU_DUTY_B	Injection duty cycle – Bank B
ECU_9	ECU_BATTERY	Battery supply
ECU_10	ECU_ADVANCE	Ignition timing
ECU_11	ECU_ENG_TMP	Engine Temperature
ECU_12	ECU_AIR_TMP	Intake air temperature
ECU_13	ECU_OIL_PRE	Oil pressure
ECU_14	ECU_FUEL_PRE	Fuel pressure
ECU_15	ECU_W,59-1,1	Lambda value - 0,59-1,10λ scale
ECU_16	ECU_W,65-1,3	Lambda value - 0,65-1,30λ scale

| ECU_17 | ECU_W,65-4,0 | Lambda value - 0,65-4,00λ scale |
| ECU_18 | ECU_W,65-9,9 | Lambda value - 0,65-9,99λ scale |