AiM Infotech

EFI EUROPE EURO96 ECU

Release 1.01

ECU

1
Supported model

This tutorial explains how to connect EFI Europe ECU to AiM devices. Supported model is:

- EFI Europe   Euro96

2
Software setup

For a correct communication between Euro 96 ECU and AiM devices it is necessary to set a specific dataset in "ECT Mod", the EFI software, so that their CAN bus is managed as AiM devices manage it.

To do so reach "Data Export table"; available options are:
- 0= Disable
- 1 = standard
- 2= Extended.

Set option "2 =Extended."

3
Connection to AiM devices

EFI Europe Euro96 ECU features a bus communication protocol based on CAN on the 55 pin front male connector. Here below is connection table.

55 pins female connector pin	Pin function	AiM cable
38	CAN High	CAN+
39	CAN Low	CAN-

4
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 "EFI_EUROPE"
- ECU Model "euro_96"

5
Available channels

Channels received by AiM devices connected to "EFI_Europe" "EURO_96" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	EFI_RPM	RPM
ECU_2	EFI_TPS	Throttle position sensor
ECU_3	EFI_DFARF	Throttle position derivative
ECU_4	EFI_MAP	Manifold air pressure
ECU_5	EFI_BARO	Barometric pressure
ECU_6	EFI_POIL	Oil pressure
ECU_7	EFI_PFUEL	Fuel pressure
ECU_8	EFI_ARR_TRANS	Fuel enrichment for any transient
ECU_9	EFI_SPEED	Vehicle speed
ECU_10	EFI_VBATT	Battery supply
ECU_15	EFI_TEROGBASE	Erogation time on fuel tab
ECU_16	EFI_TEROG	Real erogation time
ECU_17	EFI_TEROG1	Erogation time for cylinder 1
ECU_18	EFI_TEROG2	Erogation time for cylinder 2
ECU_19	EFI_SABASE	Spark advance on ignition table
ECU_20	EFI_SA	Real spark advance
ECU_21	EFI_SA1	Spark advance for cylinder 1
ECU_22	EFI_SA2	Spark advance for cylinder 2
ECU_23	EFI_NTK1	Lambda value 1
ECU_24	EFI_FCCLAT	Auto mapping flag
ECU_25	EFI_KFUELLEARN	Fuel correction coefficient for auto mapping
ECU_26	EFI_CLC1	Closed loop control 1 (injection)
ECU_33	EFI_TH2O	Engine cooling temperature
ECU_34	EFI_TOIL	Oil temperature
ECU_35	EFI_TFUEL	Fuel temperature

ECU_36	EFI_TAIR	Intake air temperature
ECU_40	EFI_KFUELCAL	Calibration fuel multiplier
ECU_41	EFI_FUEL_USED	Injected fuel