AiM Infotech

# EFI EURO 4 V132 ECU

### Release 1.01







This tutorial explains how to connect EFI EURO 4 ECUS to AiM devices.

# 1 Supported models

Supported EURO 4 ECU is:

• EURO 4 V132

### 2 Software setup

EFI EURO 4 ECU comes with the dedicated "ECT\_MOD" software to be used for setting the ECU.

- Run the software
- Load EURO4\_132 ECU
- Open Map Editor
- Follow the path: "Map Manager -> ECU Setup Map"

•	Follow this	path:	"File"	->	"Load	from	file"
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- Select ".ECF" file
- Select ".CDS" file and the map is loaded
- Click "System setup data export"

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#### This way "Data export" , shown below, is loaded

FFI Map Editor - [1EC.ECF].ECF]			
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Map loaded from ECU			
Device 🗸 Map 🗸			
General Map Information			
Coded name :  1EC	Coded date :	04/mar/05 14.06	
Map: 1EC.ECF	Notes about Map :	1EC.NTP	
Descriptor : F6-410 CDS	Notes about Descriptor	E6-410 CMM	
Custon Color Data Forces		Lottoonin	
System Setup - Data Export			2
Id 30A Channel 1 (50Hz) - select data from CAN address 4			28
Id 30A Channel 2 (50Hz) - select data from CAN address #			79
Id 30A Channel 3 (50Hz) - select data from CAN address #			73
Id 30A Channel 4 (50Hz) - select data from CAN address #			75
Id 30E Channel 1 (12,5Hz) - select data from CAN address #			191
Id 30E Channel 2 (12,5Hz) - select data from CAN address #			192
Id 30E Channel 3 (12,5Hz) - select data from CAN address #			195
Id 30E Channel 4 (12,5Hz) - select data from CAN address #			193
Id 303 Chammel I (6,25Hz) - select data from CAN address #			42
Id 303 Channel 2 (6,25Hz) - select data from CAN address #			219
Id 303 Channel 4 (6.25Hz) - select data from CAN address #			223
ID			VALUE

Perform these operations:

- set the first row on "2=Extended"
- check that "ID" and "Value" digits are as in the following table

ID	VALUE
30A	33
30A	85
30A	80
30A	86
30E	191
30E	192
30E	195
30E	193
303	42
303	506
303	222
303	225

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# 3 Wiring connection

EFI Euro4 V132 ECU features a bus communication protocol based on CAN on the 48 pins front left male connector. Here below it is shown with its pinout. Below is connection table.



CAN-

4 AiM Logger configuration

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Before connecting the device to the ECU set it up as follows:

- Run Race Studio 2 software and follow this path:
- Device Configuration -> Select the device you are using;
- select the configuration or press "New" to create a new one;
- select ECU manufacturer "EFI\_EUROPE" and ECU Model "EURO\_4\_132"

CAN Low

• transmit the configuration to the device pressing "Transmit".



### 5 Available channels

Channels received by AiM devices connected to "EFI EUROPE" "EURO\_4\_132" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	EFI_RPM	RPM
ECU_2	EFI_TPS	Throttle position sensor
ECU_3	EFI_WHEELSPD	Driven wheel speed
ECU_4	EFI_DRAXSSPD	Driving wheel speed
ECU_5	EFI_GEAR	Engaged gear
ECU_6	EFI_SELEPROMTAB	Selected Engine Map
ECU_7	EFI_ECT	Engine coolant temperature
ECU_8	EFI_OILTEMP	Oil temperature
ECU_9	EFI_NTK1	Lambda value 1
ECU_10	EFI_FUELPRESS	Fuel pressure
ECU_11	EFI_OILPRESS	Oil pressure
ECU_12	EFI_LNR2L	Analogic linear input 2
ECU_13	EFI_LNR1L	Analogic linear input 3
ECU_14	EFI_TC_CUT_LEV	Advance cut (for traction control)
ECU_15	EFI_TC_TRIM	Slip multiplier (for traction control)
ECU_16	EFI_BATTVOLT	Battery supply