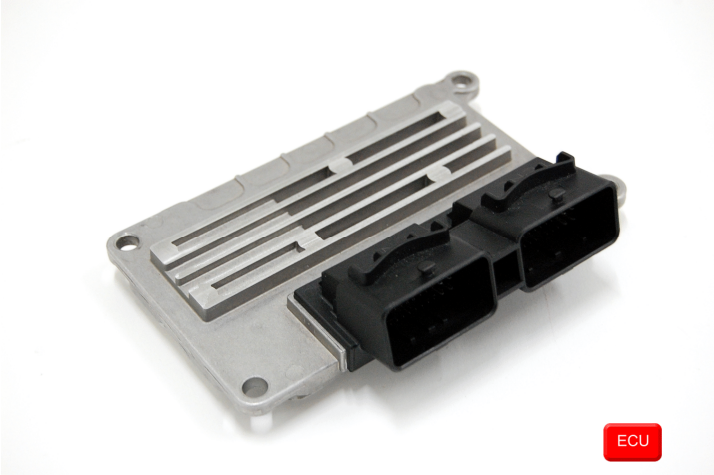
AiM Infotech

EFI EURO 4 V132 ECU

Release 1.02



1 Supported models

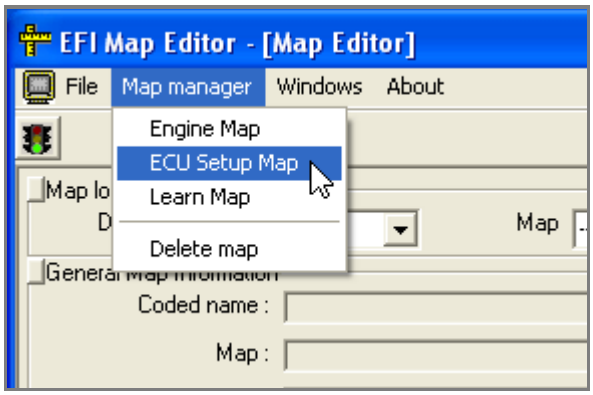
This tutorial explains how to connect EFI EURO 4 ECUS to AiM devices. Supported model is:

- EURO 4 V132

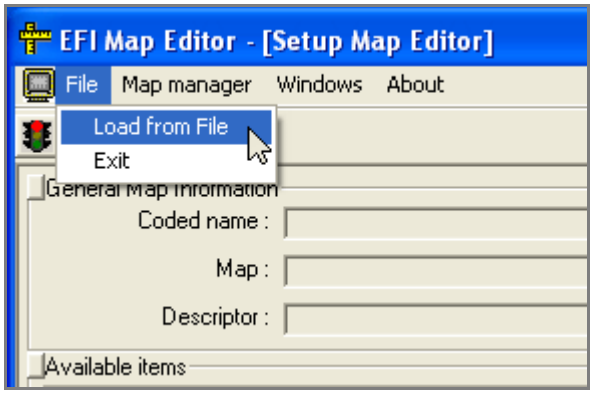
2 Software setup

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

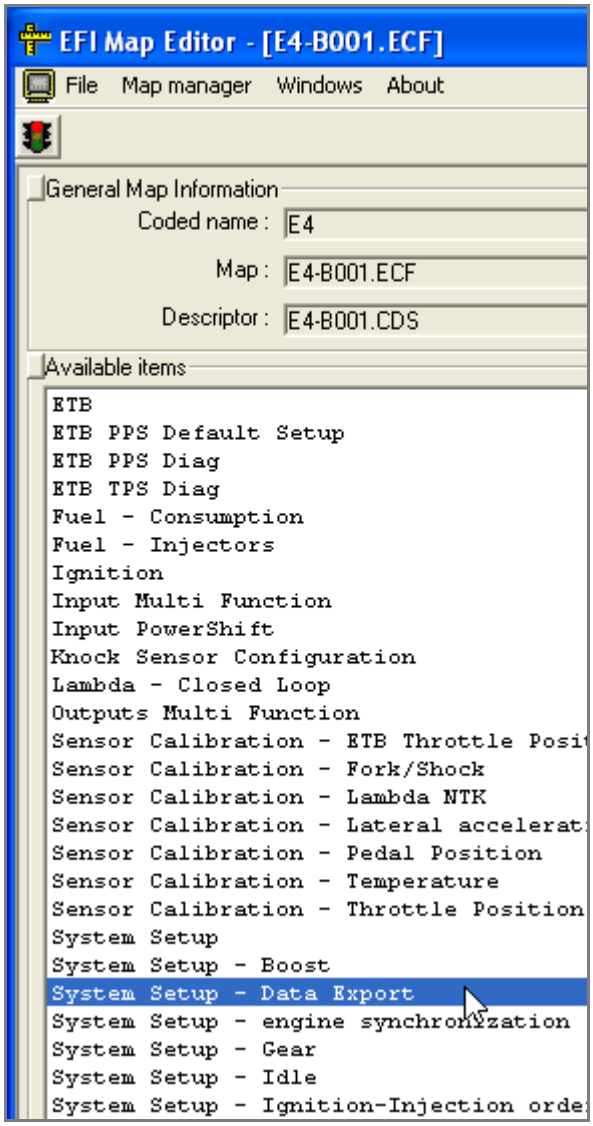
- Run the software
- Load EURO4_132 ECU
- Open Map Editor
- Follow the path: "Map Manager –> ECU Setup Map"



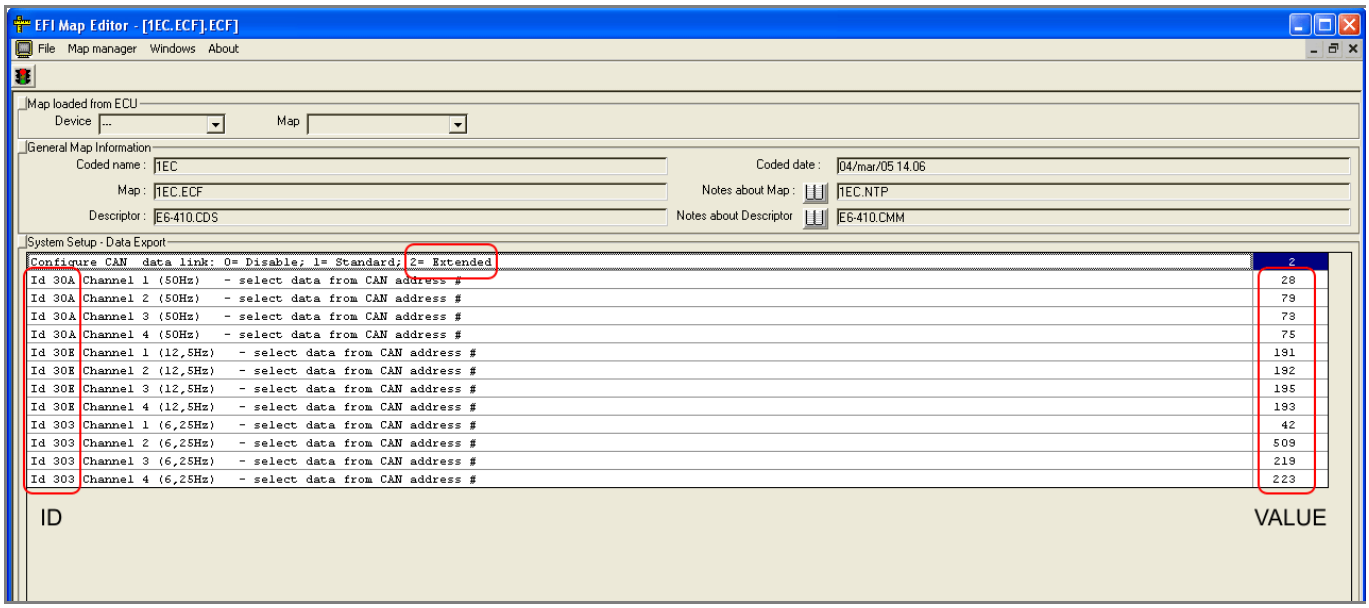
- Follow this path: "File" –> "Load from file"



- Select ".ECF" file
- Select ".CDS" file and the map is loaded
- Click "System setup – data export"



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



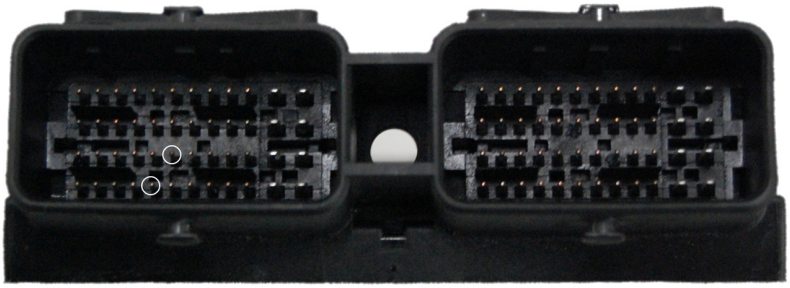
Perform these operations:

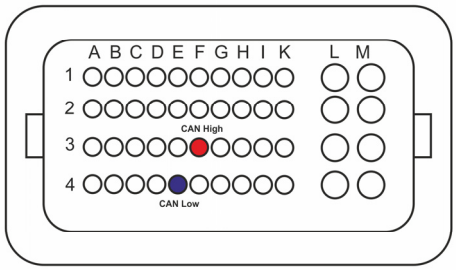
- set the first row on "2=Extended"
- check that "ID" and "Value" digits are as in the following table

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

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.





EFI connector pin	Pin function	AiM cable
F3	CAN High	CAN+
E4	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_4_132"

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