

AiM Infotech

EFI Euro5 V043
Standard Motorsport

Release 1.00



ECU



1 Supported models

This document explains how to connect EFI Technology Euro 5 to AiM devices. Supported models are:

- EFI Technology Euro5 with Standard Motorsport software version from release Euro5 V043 included.

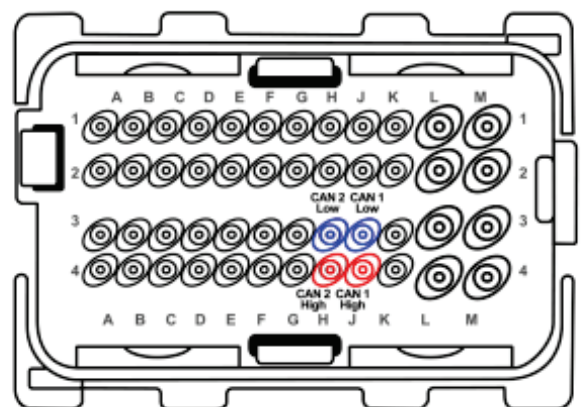
2 Wiring connection

ECU Euro5 is capable to broadcast engine data on CAN at **1Mbit/sec.**

CAN data broadcast **must be enabled** in configuration.

CAN data broadcast is available on **CAN2 only.**

Connect the AiM logger CAN wires to the relevant pins on the J3 48 ways Molex connector of the Euro5, following the table below:



Right Connector J3	Pin function	AiM cable color	AiM cable function
H4	CAN2 High	White	CAN+
H3	CAN2 Low	Blue	CAN-

3

Race Studio configuration

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

ECU manufacturer: **EFI_EUROPE**
ECU model: **Euro5_EFI** (Only RS3)

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"EFI_EUROPE – Euro5_EFI"

Channels received by AiM devices connected to "EFI_EUROPE – Euro5_EFI" protocol are:

CHANNEL NAME	FUNCTION
RPM	Engine RPM
Gear	Gear position
Vh Speed	Vehicle speed
Speed RL	Rear left wheel speed
Speed FL	Front left wheel speed
Speed RR	Rear right wheel speed
Speed FR	Front right wheel speed
TH2o	Water temperature
Tair	Air temperature
Turbo Speed	Turbo speed
Toil	Oil temperature
T Spare	Spare temperature
Termocouple1	Termocouple temperature 1
Termocouple2	Termocouple temperature 2
Tfuel	Fuel temperature
Termocouple3	Termocouple temperature 3



Termocouple4	Termocouple temperature 4
Poil	Oil pressure
PFuel	Fuel pressure
Lift Pump	Lift pump pressure
Pwater	Water pressure
BrakeR	Rear brake pressure
BrakeF	Front brake pressure
PairPaddleShift	Air pressure paddle shift
BoostError	Boost pressure error
PCrank	Crankcase pressure
MAP	Manifold air pressure
Boost	Boost pressure
SA	Spark advance
Exhaust Error	Exhaust error
PhaseU	Phase upper Injector
Inlet Advance	Inlet camshaft angle advance
Exhaust Retard	Exhaust camshaft angle retard
Inlet Error	Inlet Error
PhaseL	Phase lower Injector
SABase	Base spark advance
PPS	Accelerator pedal position sensor
Slip	Slip factor (DAxSpeed/VhSpeed)
TPS	Throttle position sensor
KFuelLearn	Fuel learn trim
CLC1	Closed loop fuel trim
WasteGateDuty	Duty cycle for wastegate valve
TerogBase	Base injection time
GearShiftTimeRem	Gear shift time
Terog	Real injection time
EcuOn	ECU On timer
Out Strategy	Out strategy

1=Gear compressor



	3=Fuel pump
	4=Univ Out 2
	5=Univ Out 1
	6=Fan Out
AE	Acceleration enrichment
VbattDir	Direct battery supply (+30)
VbattKey	Switched battery supply (+15)
Lambda	Lambda value
Knock Count Cyl2	2nd cylinder knock counter
FlagSmot	Engine cut, fuel, ignition status
Knock Count Cyl4	4th cylinder knock counter
GearPot	Gear potentiometer
ShiftFlag	UP or DOWN
DTPS	Throttle positive derivative
TCLevel	Traction control level
TrimSlip	Driver trim of target slip
TC Active	Traction control status
AngleCrankStatus	Sync status
MapNum	Selected map
Knock Count Cyl1	1st cylinder knock counter
Knock Count Cyl3	3rd cylinder knock counter

Technical note: Not all data channels outlined in the ECU template are validated for each manufacturer model or variant; some of the outlined channels are model and year specific, and therefore may not be applicable.