SETUP GUIDE

Emtron ECUs to CD Dash

Supported Devices

KV8, KV12, KV16, SL4, SL8 and all plug-in ECU's

CAN Bus Wiring

AEM CD has 2 separate CAN ports. For 3rd party devices, AEM recommends you use AEM CAN Bus 2, whose connections are contained in a 2 pin Deutsch DTM connector. On older harnesses it may be in an unterminated, twisted/shielded flying lead in the dash harness.

EMtron CAN Hi → AEM CD "CAN 2" Pin 1 (CAN 2+), Gray wire in twisted/shielded pair
EMtron CAN Lo → AEM CD "CAN 2" Pin 2 (CAN 2-), Black wire in twisted/shielded pair

ECU Software Setup

Please follow the EMtron ECUs instructions for enabling the CAN data stream if necessary.
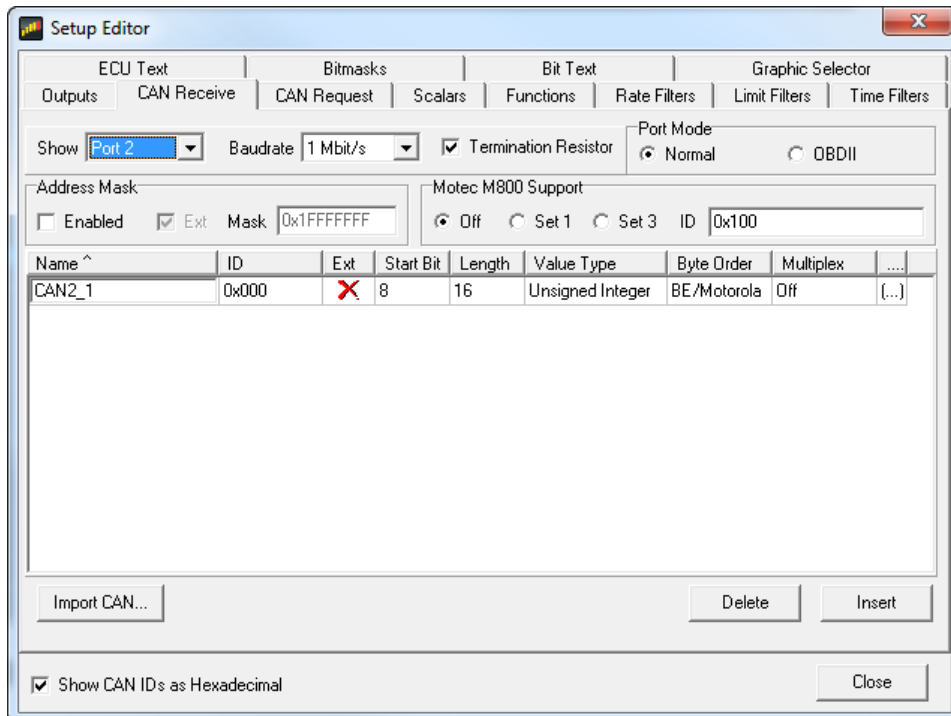
Supported Channels

AEM supports the following 38 channels transmitted by the EMtron ECUs:

AFR1	AFR1LongTermFuelTrim	AFR1ShortTermFuelTrim
AFR2	AFR2LongTermFuelTrim	AFR2ShortTermFuelTrim
AFRTarget	BaroPress	CamSyncPos
CoolantPress	CoolantTemp	ECU_CrankCamErrorCount
ECU_DTCCount	ECU_EstChargeTemp	ECUBatteryVoltage
ECUTemp	EngineCrankcasePress	EngineSpeed
EngineSpeedLimit	EngineSpeedRateofChange	ExhPress
FuelCut	FuelEthanolContent	FuelInjDutyPrimary
FuelPress	FuelPressInjDelta	FuelTemp
GearPosCalculated	IgnitionCut	IgnitionTiming
IntakeManifoldAirPress	IntakeManifoldAirTemp	OilPress
OilTemp	ThrottlePos	ThrottlePosRateofChange
VehicleLateralG	VehicleLongitudinalG	VehicleSpeed
VehicleVerticalG		

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Layout Overview & CAN Setup

You can either start with a new dash layout by selecting "File" then "New" in DashDesign or you can select from a pre-designed layout that has screens already designed and inserted but has the CAN inputs left blank. These are chosen by selecting "File" then "Open" and selecting one of the setups titled xzyblank.aemcd7 with the xyz representing a description of the layouts contained in the file.

To import the CAN setup you select SETUP then DISPLAY from the main DashDisplay menu. Once the dialog box opens you select the "CAN Receive" tab.

Change the settings to the following:
Show: "Port 2"
Baudrate: 1 Mbit/s
Termination Resistor: "ON"
Address Mask: "OFF"
M800 Support: "OFF"

Then click on "Import CAN" on the lower left and select the can setup file. The new items will appear in the Outputs tab. They can now be viewed on the display or logged. You can rename, filter, or manipulate any of these channels to make them more useful.