PERFORMANCE ELECTRONICS

MicroTech ECUs to CD Dash

Supported Devices

**LT-9C
LT-10C
LT-15C
LT-16C**

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.

CAN HI $\rightarrow$ AEM CD "CAN 2" Pin 1 (CAN 2+), Gray wire in twisted/shielded pair
CAN LO $\rightarrow$ AEM CD "CAN 2" Pin 2 (CAN 2-), Black wire in twisted/shielded pair

The MicroTech ECU's have terminating resistors installed internally. As long as the ECU is on one physical end of the CAN Network and the CD Dash is on the other with its terminating resistor activated then no further action regarding terminating resistors is required.

ECU Software Setup

The MicroTEch ECU's transmit CAN by default. No special ECU setup is required to activate the data.

Supported Channels

CH	Channel Name		CH	Channel Name
1	EngineSpeed		11	FuelInjSecPulsewidth
2	ThrottlePos		12	ECUBatteryVoltage
3	VehicleSpeed		13	GearPosCalculated
4	OilPress		14	FuelInjPriPulsewidth
5	CoolantTemp		15	FuelEthanolContent
6	IntakeManifoldAirPress		16	ECU_Flags
7	IntakeManifoldAirTemp		17	ECU_AUX1
8	AFR		18	ECU_AUX2
9	IgnitionTiming		19	ECU_AUX3
10	FuelPress		20	ECU_AUX4

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.

SETUP GUIDE
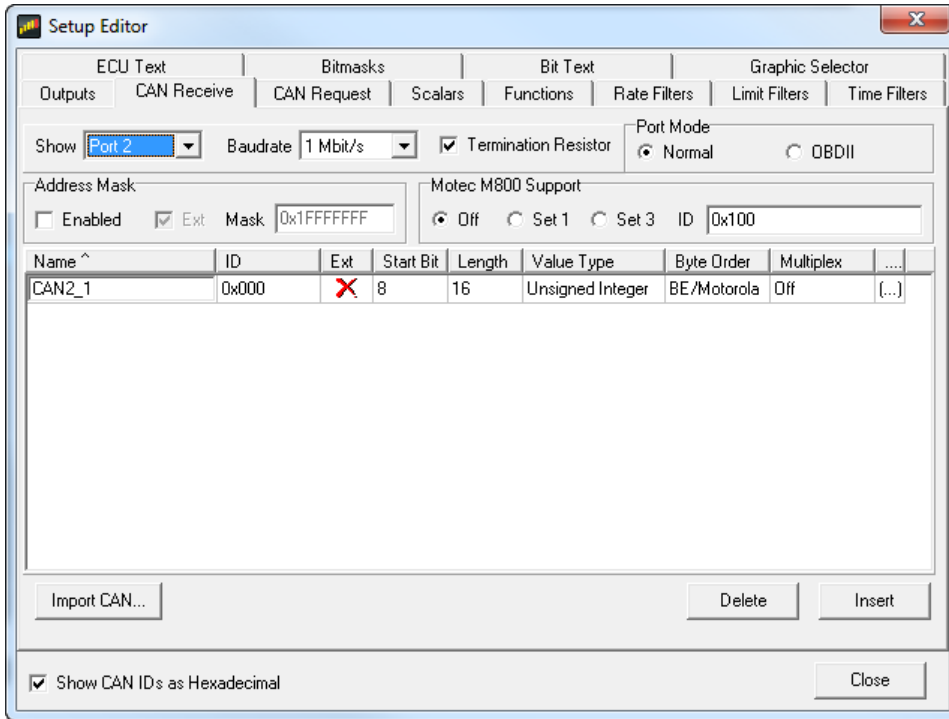
Change the settings to the following:

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.