SETUP GUIDE



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.

This product is legal in California for racing vehicles only and should never be used on public highways. AEM Performance Electronics, 2205 W. 126th Street Unit A, Hawthorne, CA 90250, Phone: (310) 484-2322 Fax: (310) 484-0152

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Supported Channels

СН	Channel Name					
1	EngineSpeed					
2	ThrottlePos					
3	VehicleSpeed					
4	OilPress					
5	CoolantTemp					
6	IntakeManifoldAirPress					
7	IntakeManifoldAirTemp					
8	AFR					
9	IgnitionTiming					
10	FuelPress					

СН	Channel Name
11	FuelInjSecPulsewidth
12	ECUBatteryVoltage
13	GearPosCalculated
14	FuelInjPriPulsewidth
15	FuelEthanolContent
16	ECU_Flags
17	ECU_AUX1
18	ECU_AUX2
19	ECU_AUX3
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.

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Mage Setup Editor								×	
ECU Text Bitmasks Bit Text Graphic Selector							ector		
Outputs CAN Receive CAN Request Scalars Functions Rate Filters Limit Filters Time Filter								Time Filters	
Show Port 2 Baudrate 1 Mbit/s For Termination Resistor Port Mode C OBDII									
Address Mask									
Enabled VExt Mask Ox1FFFFFFF Off C Set 1 C Set 3 ID Ox100									
Name ^	ID	Ext	Start Bit	Length	Value Type	Byte Order	Multiple:		
CAN2_1	0x000	X	8	16	Unsigned Integer	BE/Motorola	Off	()	
							1		
Import CAN						Delete		Insert	
Show CAN IDs as He	adecimal							Close	

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.