SETUP GUIDE

Link G4+ ECUs to CD Dash

Supported Devices

Link G4+ Atom II ECUs
Link G4+ Storm ECUs
Link G4+ Fury ECUs
Link G4+ Xtreme ECUs
Link G4+ Thunder ECUs
Link G4+ Force GDI ECUs
Link G4+ Kurofune ECUs
Link G4+ Monsoon ECUs

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.

ECU	CAN 1+ Pin Location	CAN 1- Pin Location
Atom II	28	29
Storm	B27	B28
Fury	B27	B28
Xtreme	B27	B28
Thunder	D24	D25
Force GDI	B27	B28
Kurofune	JST3	JST2
Monsoon	28	29

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

ECU Software Setup

Please follow the Link G4+ ECU's instructions for enabling the CAN data stream if necessary.

Supported Channels

AEM supports the following 22 channels transmitted by the Link G4+ Based ECUs:

CH	Channel Name
1	AFR1
2	BaroPress
3	CoolantTemp
4	ECUErrorCount
5	EngineSpeed
6	FuelInjPulsewidth
7	GearPosCalculated
8	IgnitionTiming

CH	Channel Name
9	KnockLevelGlobal
10	OilTemp
11	ThrottlePos
12	AFR2
13	BoostPress
14	ECUBatteryVoltage
15	ECUTemp
16	FuelCut

CH	Channel Name
17	IgnitionCut
18	IntakeManifoldAirTemp
19	OilPress
21	SteeringAngle
22	VehicleSpeed

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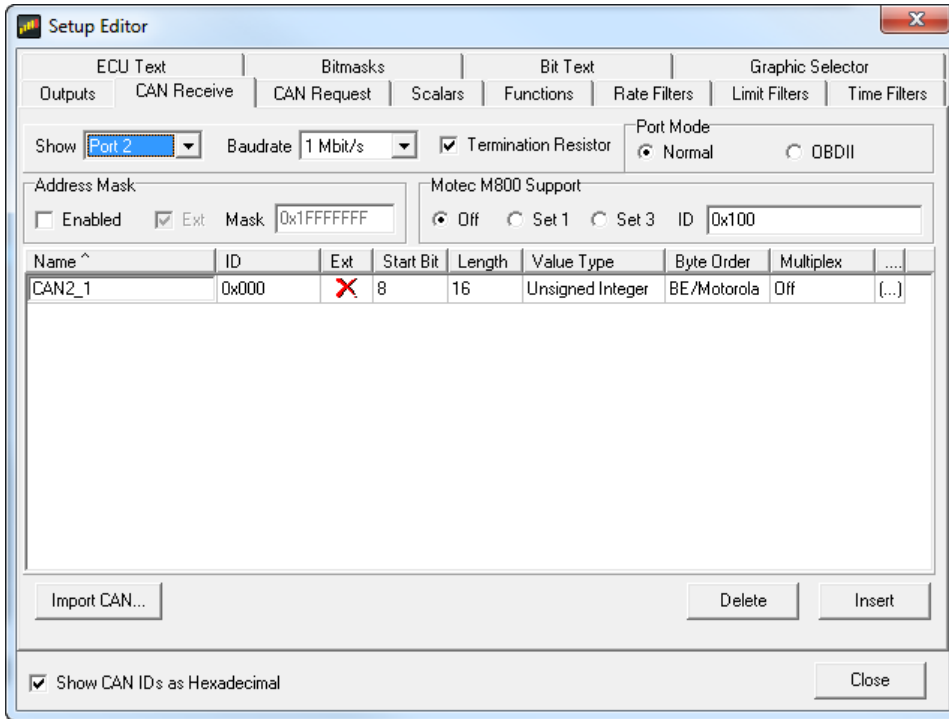
Change the settings to the following:
Show: "Port 2"
Baudrate: 1 Mbit/s
Termination Resistor: "ON"
Address Mask: "OFF"
M800 Support: "OFF"

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.