SETUP GUIDE

KMS Management ECU MD35 TO CD Dash

Supported Devices

KMS ECU MD35 P/N 01-01-01-0007
KMS ECU MD35 Black Carbon P/N 01-01-01-0035

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.

MD35 ECU's
KMS CAN High (Pin 1, Red Wire) ⟶ AEM CD "CAN 2" Pin 1 (CAN 2+), Gray wire in twisted/shielded pair
KMS CAN Low (Pin 2, Green Wire) ⟶ AEM CD "CAN 2" Pin 2 (CAN 2-), Black wire in twisted/shielded pair

Follow KMS instructions to determine if you need a terminating resistor at the ECU.

ECU Software Setup

To activate the CAN output on the MD35, Select "Options" then "External Dashboard" then in the pull down menu for the Output Protocol select "KMS_CAN (1MHz)" and click OK.

Supported Channels

 AEM Performance Electronics, 2205 W. 126th Street Unit A, Hawthorne, CA 90250, Phone: (310) 484-2322 Fax: (310) 484-0152

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Ch	Channel Name
1	Anti Lag Active
2	Aux Output 1 Status
3	Aux Output 2 Status
4	Aux Output 3 Status
5	Baro Pressure
6	Boost Control
7	Boost Duty
8	Boost Limit
9	Boost Pressure
10	Coolant Temp
11	Correction_Ignition
12	Crank Signal
13	EGT 1
14	EGT 2
15	Engine Acceleration
16	EngineSpeed
17	Fuel Pump
18	Gear
19	Idle Pw m
20	Ignition Advance
21	Injection PW Bank 1
22	Injection PW Bank 2
23	Intake Air Temp
24	Lambda Control

Ch	Channel Name
25	Lambda Error
26	Lambda1
27	Lamda1_Status
28	Lambda2
29	Lambda2_Status
30	Launch Input
31	Launch RPM
32	Load MAP Site
33	Load TPS Site
34	O2 Correction Bank 1
35	O2 Correction Bank 2
36	Oil Pressure
37	OverRun
38	Pit_Limiter
39	Pow er_Shift_Input
40	Sensor_Supply
41	Soft_Rpm_Limit
42	Speed_Limiter
43	Supply_Voltage
44	Traction_Ctrl
45	Traction_Main_SW
46	Var_ALS
47	VehicleSpeed
48	WheelSlip

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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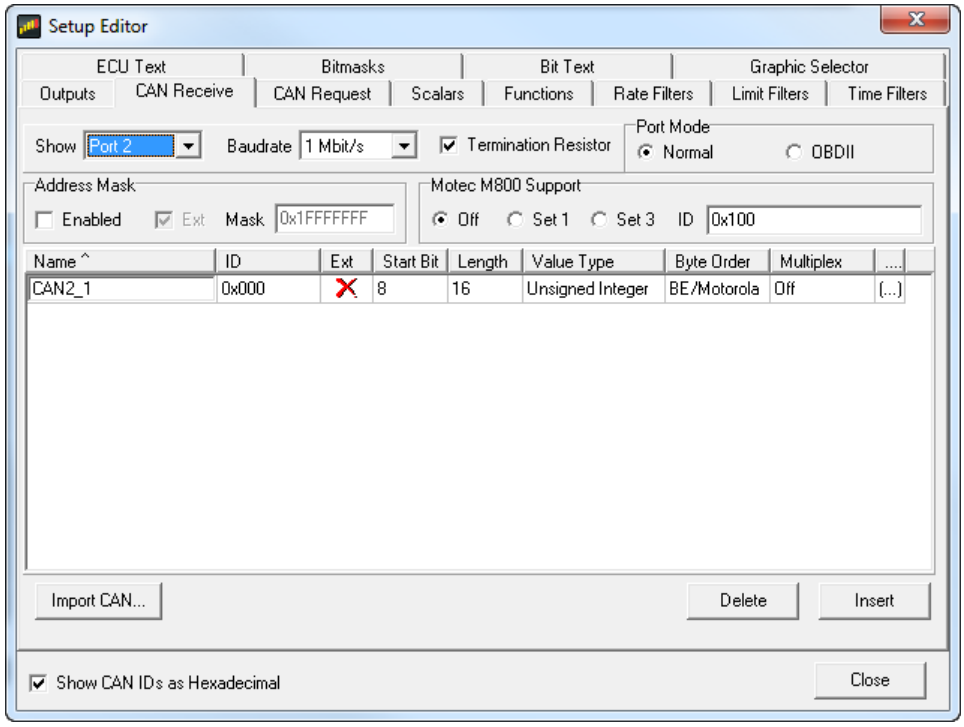

Change the settings to the following:
Show: “Port 2”
Baudrate: 1 Mbit/s
Termination Resistor: “ON”
Address Mask: “OFF”
M800 Support: “OFF”

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.