SETUP GUIDE

Haltech Platinum Pro Plug-In ECU to CD Dash

Supported Devices

Platinum Pro Plug-in ECU - All Models

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.

Platinum Pro Plug-In ECU's
Haltech CAN Hi (Pin 7) → AEM CD "CAN 2" Pin 1 (CAN 2+),
Gray wire in twisted/shielded pair

Haltech CAN Lo (Pin 3) → AEM CD "CAN 2" Pin 2 (CAN 2-),
Black wire in twisted/shielded pair

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

PIN 3 CAN LO

PIN 7 CAN HI

CAN CONNECTOR ON REAR OF ECU

ECU Software Setup

To use the V2 protocol, the ECU must be running version 1.11 and later. Open ECU Manager and select; Setup | Main Setup, then under CAN Mode: select "Haltech CAN (Version 2)

Supported Channels

SETUP GUIDE

The Haltech V2 protocol transmits up to 103 unique channels and the CD-7 supports all of them.

Note: Not all Haltec ECU's will transmit values on all channels.

CH	CD7 Channel Name	CH	CD7 Channel Name
1	AFR1	53	FuelEthanolContent
2	AFR1LongTermFuelTrim	54	FuelInjDutyPrimary
3	AFR1ShortTermFuelTrim	55	FuelInjDutySecondary
4	AFR2	56	FuelMassFlowDiffRate
5	AFR2LongTermFuelTrim	57	FuelMassFlowRate
6	AFR2ShortTermFuelTrim	58	FuelMassFlowReturnRate
7	AFR3	59	FuelPress
8	AFR4	60	FuelTemp
9	AmbientAirTemp	61	GearboxTemp
10	AntilagActiveState	62	GearPosCalculated
11	AntilagFuelEnrich	63	GearShiftCutState
12	AntilagIgnRetardOffset	64	GearShiftSwitchState
13	AntilagSwitchStatus	65	IgnitionTiming
14	BaroPress	66	IgnitionTiming_Trailing
15	BoostControlOutput	67	IndicatorBatteryState
16	BoostControlTarget	68	IndicatorHighBeamState
17	BrakePress	69	IndicatorLeftTurnState
18	BrakeSwitchState	70	IndicatorParkingBrakeSta
19	CamExhaustBank1Pos	71	IndicatorRightTurnState
20	CamExhaustBank2Pos	72	IntakeManifoldAirPress
21	CamIntakeBank1Pos	73	IntakeManifoldAirPress2
22	CamIntakeBank2Pos	74	IntakeManifoldAirTemp
23	ClutchSwitchState	75	KnockBank1IgnOffset
24	CoolantPress	76	KnockBank2IgnOffset
25	CoolantTemp	77	KnockLevelLogged
26	DifferentialOilTemp	78	KnockLevelLogged2
27	ECU_HomeCounter	79	MILState

| CH	CD7 Channel Name	CH	CD7 Channel Name
28	ECU_MissCount	80	NitrousBottlePress
29	ECU_TriggerCounter	81	NitrousOutputState
30	ECU_TriggersSinceLastHome	82	NitrousSwitchState
31	ECUBatteryVoltage	83	OilPress
32	EngineProtectionState	84	OilTemp
33	EngineSpeed	85	RallyAntiLagSwitchState
34	EngineSpeedAuxLimitSta	86	ThrottlePedalPos
35	EngineSpeedRateofChan	87	ThrottlePos
36	ExhaustTemp1	88	TimedDutyOutputDuty1
37	ExhaustTemp2	89	TimedDutyOutputDuty2
38	ExhaustTemp3	90	TimedDutyOutputState
39	ExhaustTemp4	91	TracControlCutState
40	ExhaustTemp5	92	TracControlSlipMeasured
41	ExhaustTemp6	93	TracControlTorqueReduce
42	ExhaustTemp7	94	TurboSpeed
43	ExhaustTemp8	95	VehicleSpeed
44	ExhaustTemp9	96	WastegatePress
45	ExhaustTemp10	97	WheelSpeedAvgFront
46	ExhaustTemp11	98	WheelSpeedAvgRear
47	ExhaustTemp12	99	WheelSpeedDifference
48	FuelAccelPumpState	100	WheelSpeedFrontLeft
49	FuelConsumptionRate	101	WheelSpeedFrontRight
50	FuelCut	102	WheelSpeedRearLeft
51	FuelDecelCutState	103	WheelSpeedRearRight
52	FuelEconomyAverage		

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.

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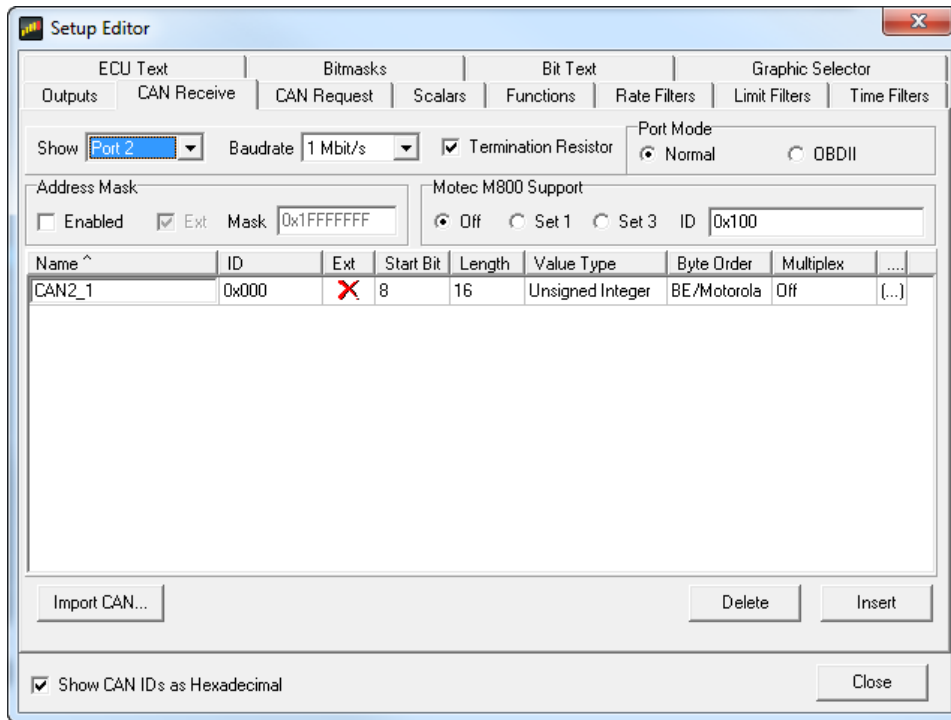
Change the settings to the following:
Show: "Port 2"
Baudrate: 1 Mbit/s
Termination Resistor: "ON"
Address Mask: "OFF"
M800 Support: "OFF"

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.