



SMART DYNO TECHNOLOGY

CCS Operating Instruction

Defining Can ECU Presets to Vehicles to be Dyno Tested

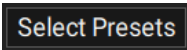
This Instruction Note covers the topic of how to Define an “ECU CAN Preset” to a car that will be dyno tested in the Mainline CCS Software.

Explanation:

The CCS Software has a list of aftermarket ECU CAN Datasets or “Presets” setup in the software that can be assigned to the vehicle about to be dyno tested. This function will allow the user to view live ECU CAN Data, have the data automatically recorded for any test function, and also be logged for viewing at any stage. Additionally, any dyno channel including ECU channels can be exported to a CSV file at 100hz frequency from a Ramp or Drive Test for example. Further to this, each CAN Preset also has some common dyno Channels setup that are Transmitted back to the ECU if it supports it such as Power, Torque and Lambda's.

To define a CAN Preset is simple, quick and straight forward.

Procedure:

In the CCS software, when entering vehicle details on the “Vehicle” tab after adding a customer, there is a  button at the bottom right as per the following picture:

Vehicle Details

Identifier

Make

Model

Description

Stoich Ratio

Compression Ratio

Mass (kg) Mass (lbs)

Drag Coeff.

Cylinder Count

Odometer

Drive Ratio

Tyre Spec

Width (mm) Aspect Ratio (%) Rim Diameter (in)

Tyre Diameter (mm) Tyre Diameter (in)

CAN Presets

Notes

Click the “Select Presets” button

The next window will appear where you ‘Enable’ the ECU the vehicle has, and click “Save to Vehicle”. What this procedure does is “tell” the dyno program that the CAN data coming in on the CAN0 channel for example will be for example a “Haltech V2” CAN Data Stream, so all of the channels in the standard stream will be shown in the CCS program.

Emtron ECU ☐

Bus

Fuel Tech 600/550/450 ECU ☐

Bus

Haltech V2 ECU ☒

Bus

Holley Proprietary ECU ☐

Bus

Syvecs S7 Fixed v3 ECU ☐

Bus

Motec ECU ☐

Bus

MaxxECU V1.3 Full ECU ☐

Bus

Link Generic Compound ECU ☐

Bus