Tuner-Express

.:Scriptable Tuning Software:.

Registration Manual

Overview

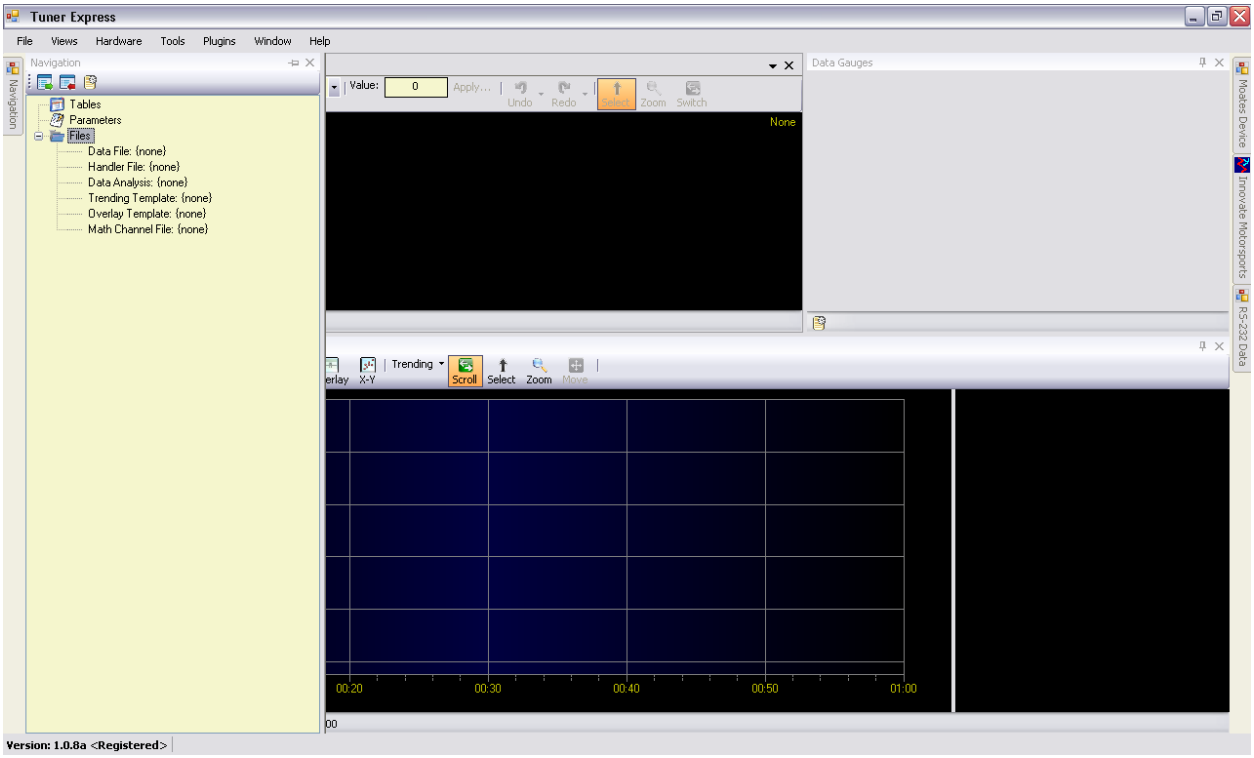
General

The following shows basic steps to opening a Data File as well as setting up Data Trending in **Tuner Express**.

For additional information on Data Trending as well as the Auto-Load functionality please review the User's Manual.

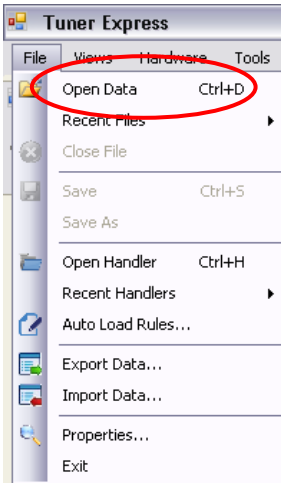
File Management

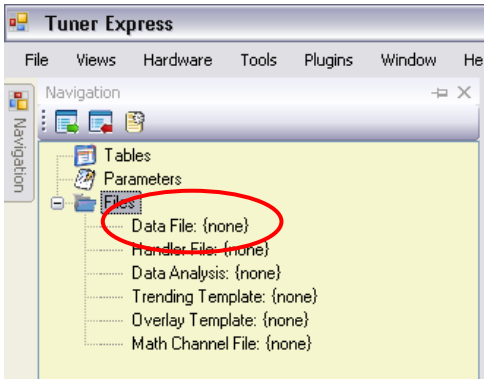
With a fresh install of Tuner Express no files are set to pre-load. A blank display will be shown and the navigation tab will show {none} for all associated files. Within the Options dialog there are locations to load certain files on startup.



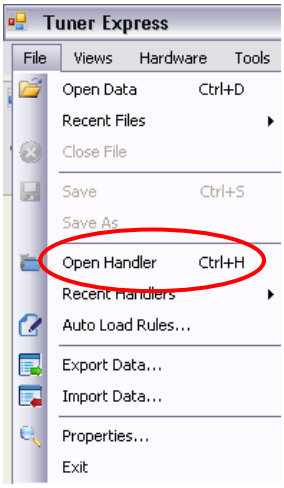
Data and Handler Files

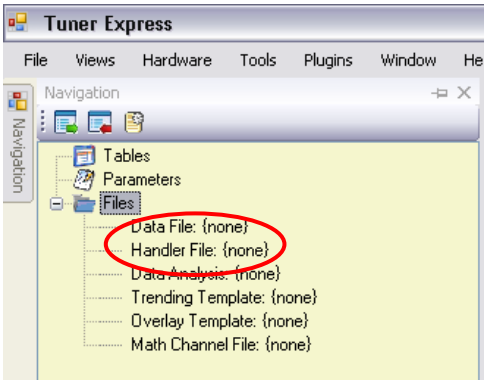
The first step is to open a Data File (.bin); this is done thru the File menu, the Navigation tab or with a drag/drop operation.



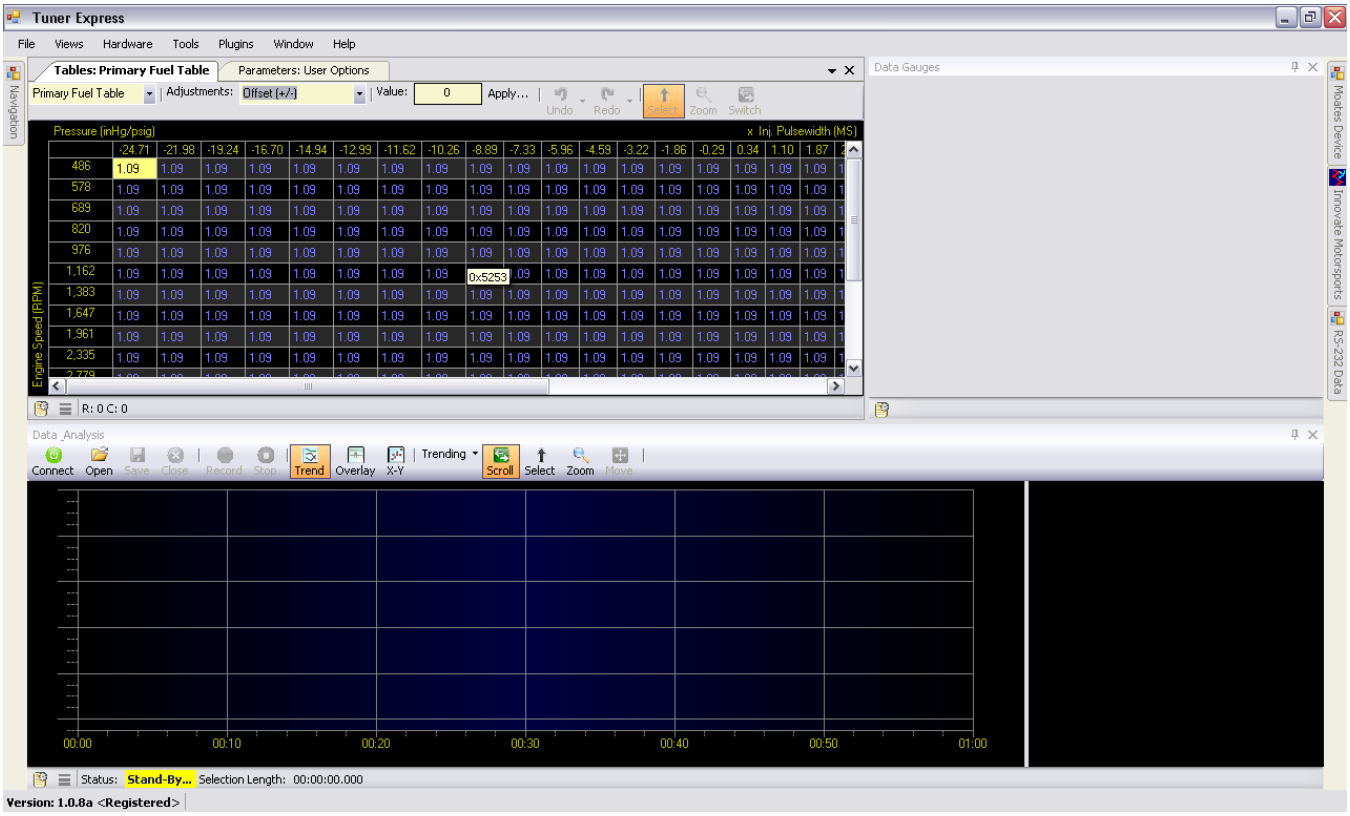


The second step is to open a Handler file (.vdh, jdh), this is a definition of what is on the Data file and how to display it. Again, this file is loaded thru the File menu, the Navigation tab or with a drag/drop operation. Auto Load Rules are available to define which Handler file is used for any particular Data file.



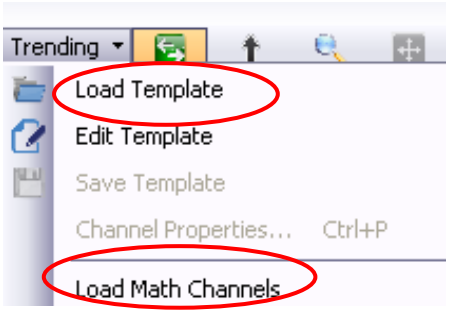


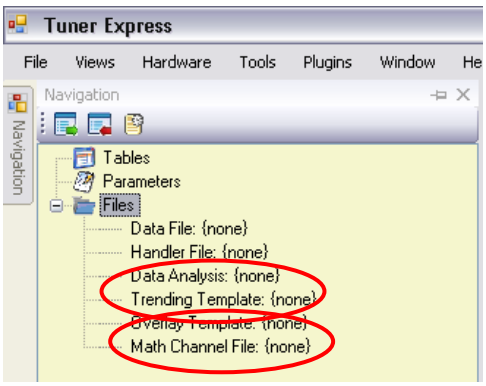
After successfully loading a Data and Handler file, the Table and Parameter tabs will be populated with information. Note that any RS-232 Data Analysis channels are created during this process and are available for real time logging.



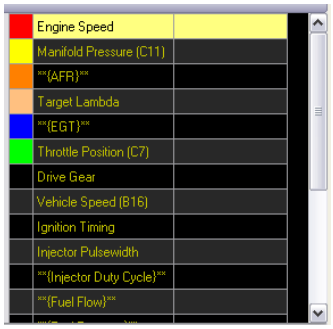
Data Analysis Files

The Data Analysis tab utilizes a Trending Template file (.tdt) as well as a Math Channel file (.vmc) to display data. These files can be loaded thru the Trending tab dropdown menu, the Navigation tab or with a drag/drop operation. The Trending Template tells the software what channels to log and how to display them. The Math Channel file defines additional "mathematical" channels that are derived from logged hardware data.

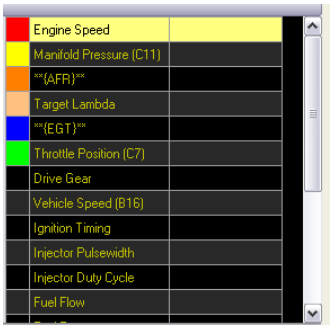




After successfully loading a Data and Handler file, the Table and Parameter tabs will be populated with information. Note that any RS-232 Data Analysis channels are created during this process and are available for real time logging



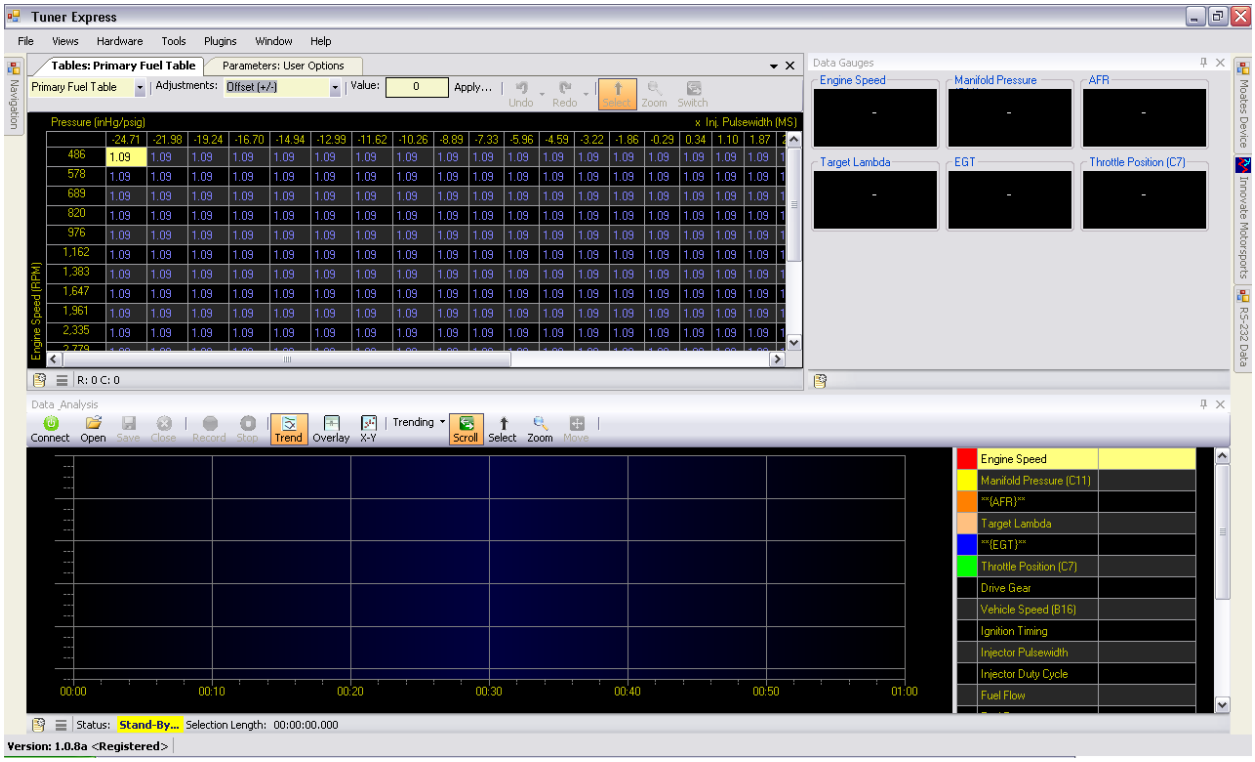
*After Trending Template Load



*After Math Channel Load

Channels shown as **( )** are not defined, note how loading the Math Channels clears up those channels. The remaining undefined channels **(AFR)** and **(EGT)** are shown that way as they are from the Innovate hardware connection which has not been loaded to this point.

Data Gauge information will also be populated as this is based on the Trending Template information.

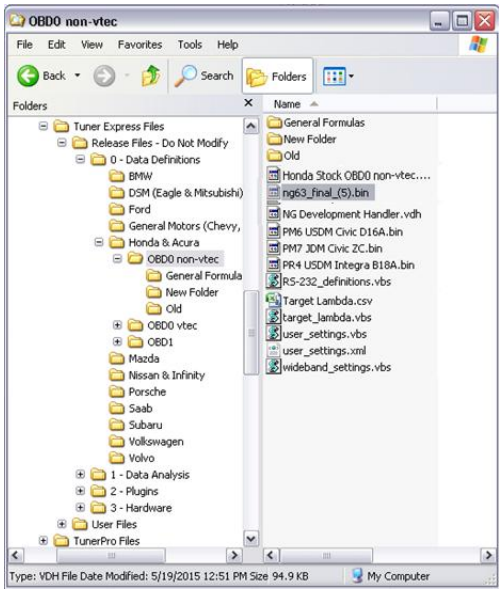


Example

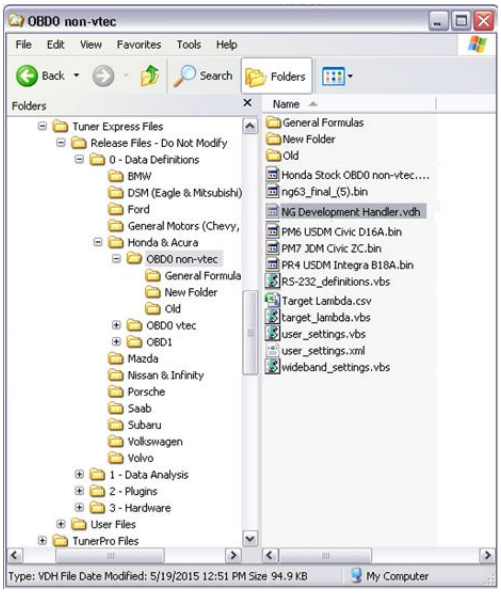
Loading Files

Following the steps from above:

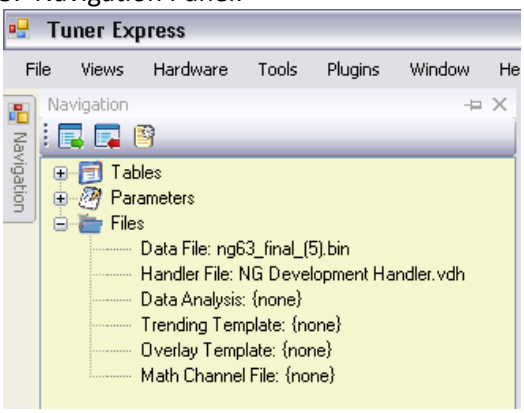
1. Load Data File:



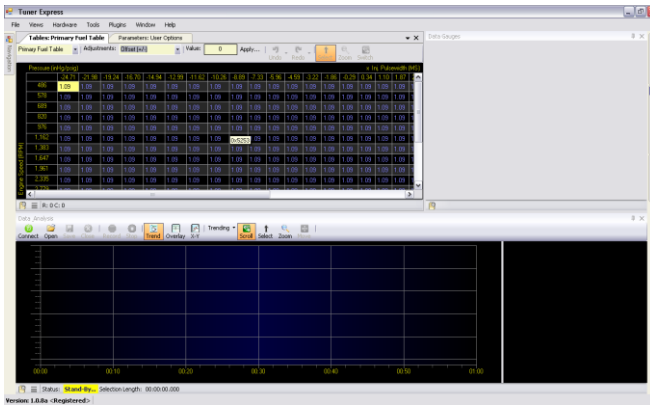
2. Load Handler File:



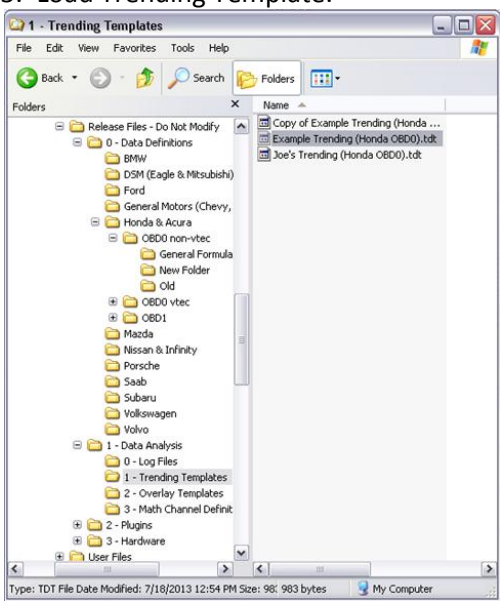
3. Navigation Panel:



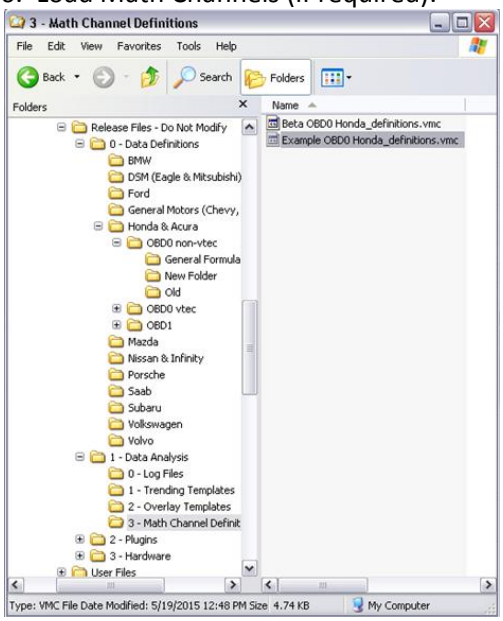
4. Current GUI:



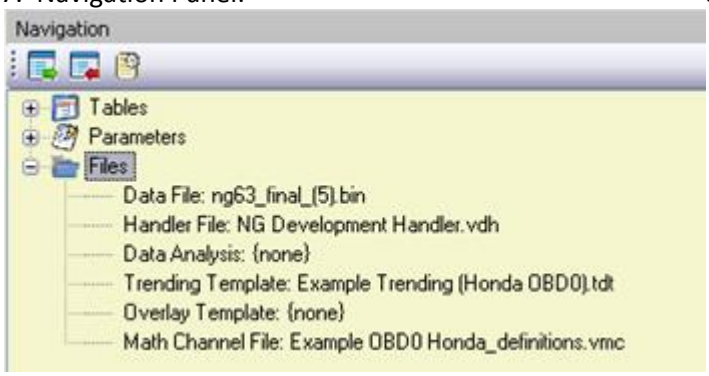
5. Load Trending Template:



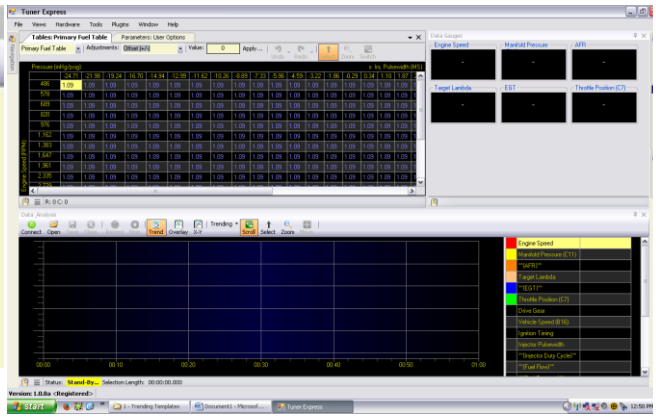
6. Load Math Channels (if required):



7. Navigation Panel:



8. Current GUI:



9. Data Logging – to be continued