Tuner Studio Quick Start

Overview

This document provides an overview of using TunerStudio. This is not a complete guide, but rather aimed at helping new users get started with the interface.

Prerequisite

[New TS project setup]

Connection

Go to the menu Communication>Settings

Press “detect” to find the port epicECU is connected to.

Optionally, go into device manager, go to Ports (COM & LPT), observe the port epicECU is connected to by unplugging and plugging back in.

Once the correct port is determined, press “accept”

epicECU is now talking with Tuner Studio.

Differential Report

The differential report will prompt when there’s discrepancies from the tune on the computer versus the tune flashed on epicECU. There’s a differential check occurring every time TS connects to epicECU.

Take note of the scroll bar and the next and previous page buttons. Should one tune be preferred over the other, select send tune or use controller settings accordingly.

Font Size

Options>Preferences>Settings Dialog Font Size. Adjust till satisfactory

Data Logging

Data Logging>Start Logging (keyboard shortcut ctrl-L)

Data Logging>Stop Logging (keyboard shortcut ctrl-k)

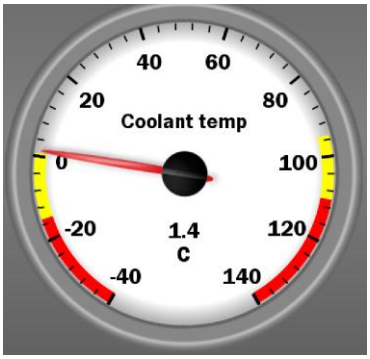
If starting logging without directory prompt is desired, toggle following setting. It will save to project directory\DataLogs folder

Data Logging>Data Log Naming>Silently Auto Name Log Files

Gauge Cluster

Indicators represent binary data values, On or Off, reported by epicECU.

Gauges represent an analog or digital value reported by epicECU.



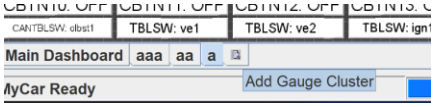
Right clicking each gauge and selecting a logged field allows changing the gauge to another predefined field.

Designer mode:

- Right click anywhere, select designer mode, then the dashboard will be customizable
- Right click on a gauge, dashboard designer>properties dialog, the parameters for that gauge will be customizable.
    - Component Position allows exact positioning and sizing edits.
    - Controller is the data source, either from tuner studio or epicECU
    - Output channel is the exact data channel
- Right click on a gauge, dashboard designer>color dialog, the colors for that gauge will be customizable.
- Right click on a gauge, dashboard designer>Gauge Style, the gauge type can be changed.
- Right click anywhere, dashboard designer>new, a new gauge, indicator, or label can be added.

Once complete, right click anywhere and turn off designer mode. Right click anywhere again, Load/Save>Save Dashboard

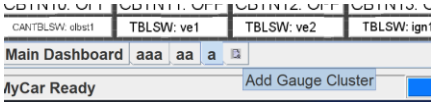
To start over and load the default dashboard, click add gauge cluster.



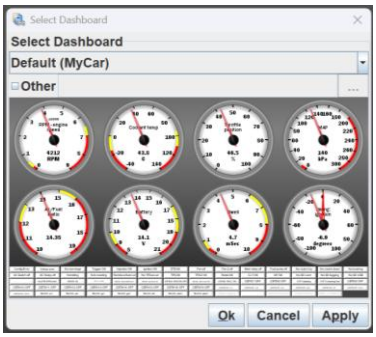
Importing Tuner Studio Dashboards

There are premade dashboards available for download

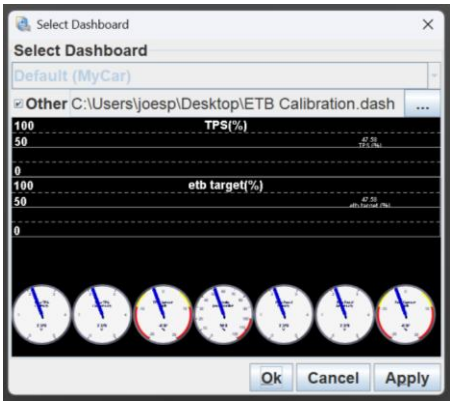
Click add a gauge cluster



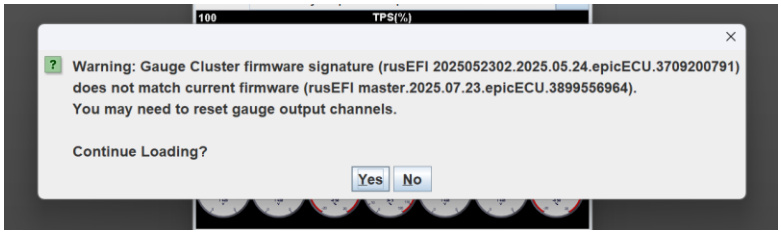
Check “other” and click the 3 dots



Browse to the saved file and hit “open”. Then click “ok”



A signature mismatch usually will appear, press yes.



The dashboard will then show up in a new tab.

Diagnostics & High Speed Loggers

The trigger logger can be found here. See the “getting a trigger signal” section of getting your project running for details on how to use this tool

Tune Analyze Live! – Tune For You

The autotune feature can be found here. See the “tuning the engine” section of getting your project running for details on how to use this tool