SECTION BOOKLET

2 Software Setup and Usage

6 guides · compiled Oct 14, 2026 · https://help.impactwiringsolutions.com/section/software-setup-and-usage
Each guide keeps its own page numbers and version stamp. The newest versions are always online.

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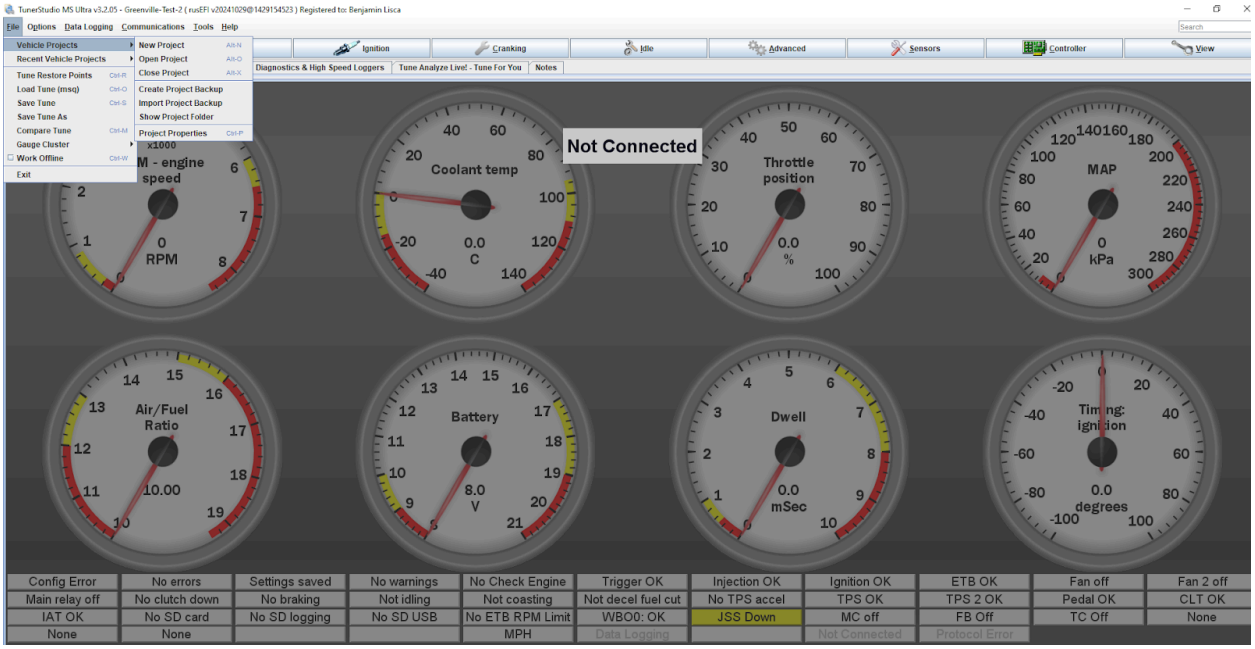
File Menu Options in TS



1. New Project:

- Use this option to create a new project, which will guide you through setting up a fresh configuration for a new ECU.

2. Open Project:

- Allows you to open an existing project saved on your computer, letting you switch to different project setups as needed.

3. Close Project:

- Closes the currently open project, returning you to the main screen or allowing you to select another project.

4. Load Tune (.msq):

This option allows you to load a saved tuning configuration (.msq file) from your computer directly to the ECU. It's useful for applying previously saved settings or switching between different tunes.

5. Save Tune:

- This option saves the current tuning configuration by overwriting the saved tune on your computer. Use this to update the existing .msq file with any changes that have been made.

6. Save Tune As:

- This allows you to create a new .msq file for storing the current tune, enabling you to save different configurations separately. It's helpful for keeping a library of various tunes.

Note: Tune Restore Points and Compare Tune are features available only in the paid versions of TS and are outside the scope of this manual.

7. Recent Vehicle Projects:

- Lists recently used projects, so you can quickly reopen any recent configurations without searching through files. This is handy for accessing frequently used setups.

8. Gauge Cluster:

- This option lets you customize the gauge layout on the dashboard. You can adjust the arrangement and type of gauges to display the information that matters most to you.

9. Work Offline:

- Allows you to switch to offline mode, which is useful if you want to access and modify settings without needing an active connection to the ECU.

10. Exit:

- Closes TS completely.

Options Menu in TS



1. Language:

- Allows you to change the display language for TS. Simply select your preferred language from the list.

2. Look and Feel:

- This option lets you customize the appearance of the TS interface, including button styles and layout.
- It also includes a Dark Mode option, which may be preferable for low-light environments or user preference.

3. Navigation:

- The Navigation setting enables you to modify the arrangement of buttons. You can consolidate them into a single row or convert them to a basic dropdown menu layout, allowing for a cleaner interface if desired.

4. View, Advanced, Preferences, and Performance:

- These contain various settings, most of which are less relevant to basic users, and can typically be left at their default values.

5. Preferred Units:

- Here, you can adjust units for certain parameters. For example, you can change the Y-axis Manifold Absolute Pressure units from kPa to PSI if that’s your preferred measurement.

Data Logging Menu in TS



1. Start Logging:

- Begins recording data from the ECU. Data logging allows you to capture real-time performance metrics, which can later be analyzed for tuning or troubleshooting purposes.

2. Stop:

- Stops the active data logging session. Use this when you've captured enough data or wish to end the recording.

3. Logging Profiles:

- Allows you to select or create specific logging profiles. Profiles can be customized to capture particular parameters or configurations based on your tuning needs.

4. Triggered Logging:

- Enables data logging to begin automatically when specific conditions are met (e.g., a particular RPM or throttle position). This feature is useful for capturing data only when certain events occur.

5. Data Logging Preferences:

- Opens the preferences for data logging, where you can adjust settings related to how data is recorded and stored. These options can help you manage file sizes, data formats, and other logging details.

6. Import / Conversion:

- Provides options for importing or converting data logs, allowing you to work with logs from other sources or formats, if necessary.

7. View with MegaLogViewer:

- Opens the current data log in MegaLogViewer, a separate application designed for analyzing TS data logs. This tool allows for more detailed review and analysis of logged data (available if you have MegaLogViewer installed).

8. Show DataLog Folder:

- Opens the folder where TS stores all recorded data logs by default. This is useful for quickly accessing or organizing log files.

Communications Menu in TS



1. Settings:

- Opens the communication settings for TS. This option allows you to adjust parameters related to the connection between your computer and the ECU, such as baud rate or COM port if needed.

2. Data Rate:

- Adjusts the data rate for the connection, which can influence how quickly data is transmitted and received from the ECU. Higher data rates provide faster updates but may impact stability depending on connection quality.

3. GPS Configuration:

- Allows you to configure GPS settings if your setup includes GPS data. This can be useful for logging location-based data in addition to engine parameters, often used in performance or tracking applications.

4. Mini Terminal:

- Opens a terminal interface within TS, allowing for direct communication with the ECU via commands. This can be helpful for advanced users needing to troubleshoot or send specific instructions to the ECU.

5. Comm Debug Log:

- Enables the communication debug log, which records details of the ECU-to-TS communication. This is valuable for troubleshooting communication issues or understanding data transmission behaviors.

Tools Menu in TS



1. Protocol Stats:

- Displays statistics related to the communication protocol between TS and the ECU. This information can be helpful for diagnosing communication issues or verifying data transfer quality.

2. Update / Install Firmware:

- This option allows firmware updates or new installations for compatible ECUs.

Note: This function does not work with Impact ECU, so you should avoid using it with Impact ECU setups.

3. Add Custom Channel Wizard:

- Enables the addition of custom data channels. This feature is useful if you want to monitor additional parameters that aren't included by default in TS, allowing for a more customized tuning experience.

4. Custom Channel Editor:

- Opens the editor for custom channels, where you can modify or manage any custom data channels you've set up. This is beneficial for advanced users looking to tailor their data tracking.

5. Action Management:

- Provides options for configuring actions in TS, allowing you to set up automated responses or alerts based on specific conditions. This feature enhances the monitoring experience with customizable actions.

6. Calculators:

- Offers various tools and calculators that assist with tuning calculations, such as air-fuel ratios, fuel injector sizes, or engine displacement. These calculators are helpful for making precise adjustments during tuning.

7. TunerStudio Plug-ins:

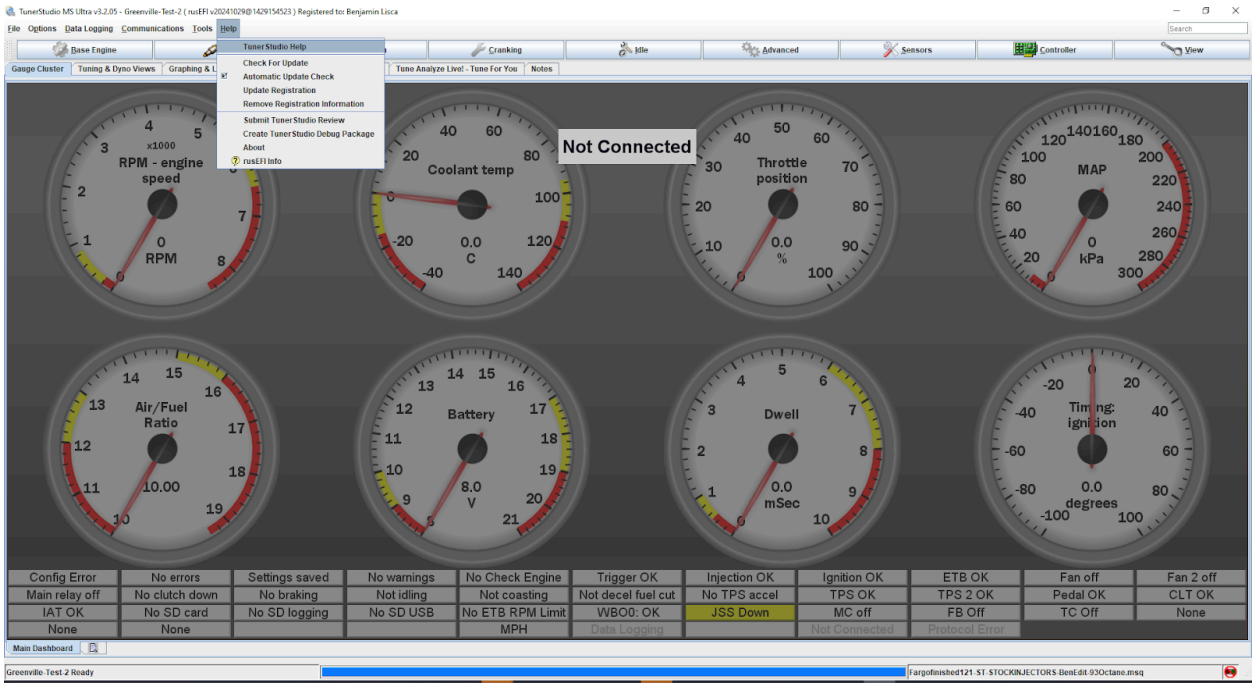
- Allows you to manage and install plugins for TS. Plugins extend the functionality of TS, adding new features or tools that can further enhance your tuning capabilities.

8. Calibrate TPS:

- Opens the Throttle Position Sensor (TPS) calibration tool, which is essential for ensuring that the ECU correctly interprets throttle position.

Note: This function is only compatible with cable throttles. For electronic throttles, a specific calibration procedure is required, which will be covered when we discuss the Advanced button.

Help Menu in TS



1. TunerStudio Help:

- Opens the main help documentation for TS. This is a valuable resource for users needing guidance on features, troubleshooting, or learning more about the software.

2. Check For Update:

- Allows you to manually check for software updates to ensure that TS is up-to-date with the latest features and improvements.

3. Automatic Update Check:

- Toggles the automatic update feature on or off. When enabled, TS will periodically check for updates and notify you when a new version is available.

4. Update Registration:

- Provides options to update or modify your software registration. Use this if you need to adjust registration details or upgrade your software license.

5. Remove Registration Information:

- Clears the stored registration details for TS. This is useful if you need to deregister the software or transfer the license to another user or device.

6. Create TunerStudio Debug Package:

- Generates a debug package that includes diagnostic information. This package can be sent to support for assistance in troubleshooting software or ECU-related issues.

7. About:

- Displays information about the current version of TS, including licensing details, credits, and other relevant information about the software.