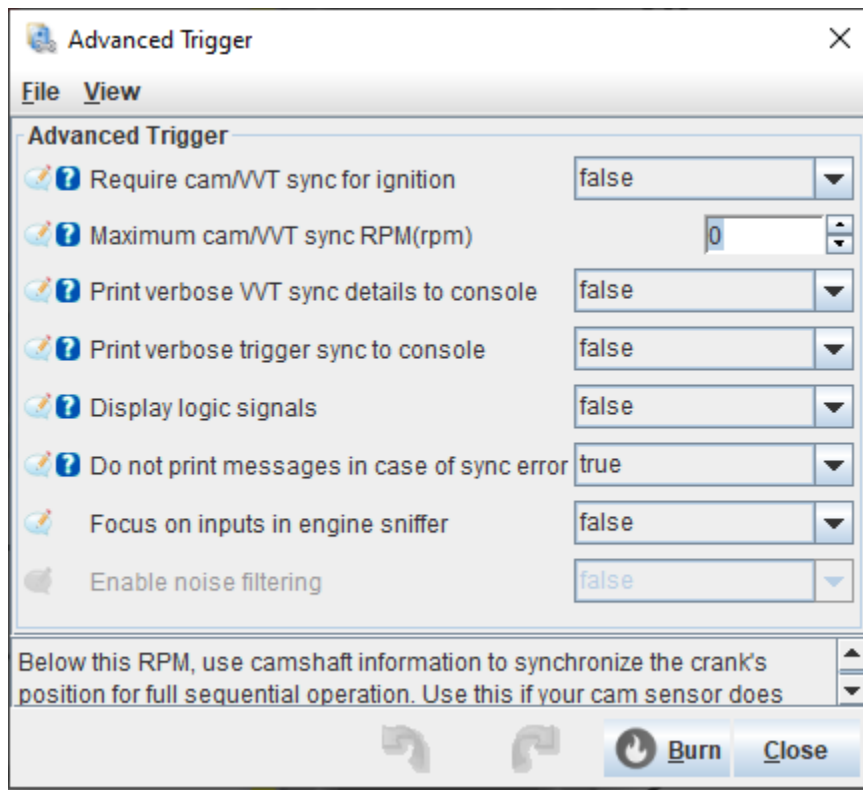


Advanced Trigger Options



Like the trigger settings, this section will come with pre-loaded settings that will typically never have to be changed by the end user.

1. Require cam/VVT sync for ignition:

- Default: False.
- If set to True, the engine will require camshaft or variable valve timing (VVT) synchronization before ignition events are allowed. This is typically only used in engines with dual VVT setups.

2. Maximum cam/VVT sync RPM (rpm):

- Default: 0 (disabled).
- This option sets a maximum RPM limit for synchronization attempts. This is generally left as 0 unless a specific use case for a limit exists.

3. Print verbose VVT sync details to console:

- Default: False.

- This option enables detailed logging of VVT synchronization events in the Console, an advanced development application for diagnostics. Not typically needed for general users.

4. Print verbose trigger sync to console:

- Default: False.
- Similar to the above, this logs detailed trigger synchronization data in the Console. Again, this is intended for developers and advanced debugging.

5. Display logic signals:

- Default: False.
- If enabled, it shows internal logic signals in the Console, helpful for in-depth diagnostics and development.

6. Do not print messages in case of sync error:

- Default: True.
- If enabled, sync error messages will not appear in the Console, which can help reduce noise during development.

7. Focus on inputs in engine sniffer:

- Default: False.
- The Engine Sniffer, available in the Console, visualizes inputs and outputs for advanced tuning and diagnostics. Enabling this option focuses on inputs during sniffer sessions.

8. Enable noise filtering:

- Default: False.
- This option enables additional noise filtering on signal inputs to handle interference or signal degradation. Use this if signals are noisy and causing sync issues.

Notes

- Any mention of "console" or "print" in these options refer to features from a development tool separate from TunerStudio. These options are generally only used by developers for diagnostics, debugging, and advanced configurations.
- **For regular Impact ECU users, most of these settings are not needed and can be left at their defaults unless directed otherwise for troubleshooting purposes.**