



Holley V3 Software Updates and Information

OVERVIEW:

The main feature set of Holley EFI V3 software is the ability to run factory Ford Modular, factory Gen III Chrysler HEMI (non-VVT), and Ford Coyote Engines (locked VVT) engines. Additional crank trigger wheel support and data logging has been updated. Refer to the new feature overview section below for more information.

Users not requiring any of the updates will not see any real benefits to updating from the V2 version.

INSTALLATION NOTES:

When V3 software is installed, the program executable file will be installed into a new "V3" program files directory and will not overwrite previous versions. The existing files in the "My Documents/HEFI" area (Global Folders, Firmware, Individual Configuration Library, Data Log Configs, Data Logs, and Data Monitor Configs) will not be touched, however a new "HEFI V3" directory will be created. This will separate these files from earlier software versions, if they have been installed. There will also be a new "Holley EFI V3" shortcut installed on the desktop as well. This all allows for multiple software versions and calibrations to be used and separated on the computer.

Also of note is a new file that is created inside the Global Folder. It is a text file called "INFO.TXT". This will contain version information for the Global Folder and all of the ICF's.

SOFTWARE/FIRMWARE NOMENCLATURE:

V3 (and future versions) will use the following nomenclature for both firmware and software. This is how the software and firmware versions *will appear when checked with the PC or Touch Screen software*.

X.Y Build # (for example 3.0 Build 3)

X = The "major version". With the example "3" meaning "Version 3". This indicates the primary software/firmware version.

Y = The "minor version". With the example "0" meaning the "minor" version/revision level of "Version 3" software/firmware. This is an indication of a minor software or firmware change.

NOTE: The "major" and "minor" firmware AND software versions *must match*. If they do not, the user will be given a software/firmware conflict warning when the laptop tries to communicate with the ECU.

Build # = The "Build Number" indicates a small firmware or software update that doesn't affect firmware/software compatibility. The build number of the firmware and software does not have to match, for proper compatibility.

Note that the actual raw firmware file name will appear differently, for the example above it would be HEFI_03000030.eep.

CALIBRATIONS:

Calibrations (Global Folders) created with V3 software are not backwards compatible with older Holley EFI software versions (V2 and earlier). V3 software cannot retrieve a global folder (sync) with an ECU with non-V3 compatible firmware. Make sure you have your calibration saved to a laptop before you update your firmware to V3. To retrieve a calibration from an ECU that has earlier firmware, make sure you do so with the proper software (i.e., using V2 software for an ECU with V2 firmware, etc).

V3 software can open (offline) and up-convert V2 and earlier Global Folders that are stored on the laptop. Once these are opened, and saved, these calibrations can only be used with V3 software. You will get notifications of this conversion, when V2 and earlier Global Folders are opened.

It is recommended that you double-check all of the individual configuration settings to ensure that your configuration is correct before sending it to your EFI.

NEW FEATURE OVERVIEW:

Holley "V3" software has the same features as the "V2" version except for the following main areas:

- Added canned ignition selections for the following engines:
 - o Gen III Chrysler HEMI 36-2+2 Crank, Waste Spark Coils
 - o Gen III Chrysler HEMI 36-2+2 Crank, Coil-on-Plug
 - o Gen III Chrysler HEMI 60-2, Non-VVT
 - o Ford Modular 2V/4V, 4.6/5.4L, Waste Spark Coils
 - o Ford Modular 2V/4V, 4.6/5.4L, Coil-on-Plug

- Added Custom Crank Sensor Types
 - o Chrysler NGC 36-2+2
 - o 24-1 Tooth Pattern
 - o 12-1 Tooth Pattern

- Added Custom Cam Sensor Types
 - o Chrysler V8 NGC
 - o Ford Coyote (reads passenger side intake cam, VVT must be locked)

- Added Custom Ignition Output Setups
 - o EST 5V Output (Active Low)
 - o EST 5V Output (Active High)
 - o EST 12V Output (Active Low)
 - o DIS Wastefire Coil Output (Active Low)
 - o DIS COP Output (Active Low)

- Data logger Updates
 - o Updated Notes Section
 - o Scatterplot Graph Capability
 - o Channel Statistics
 - o Updated Navigation

NOTE: V3 ECU firmware is not compatible with the V2 version 5.7" Touch Screen LCD or Avenger/Terminator Handheld tuners. Go to Holley.com to download 5.7" Touch Screen files for V3 Firmware. At this time V3 firmware will not be compatible with the Avenger/Terminator handheld tuners, do not attempt to use them.