EFILive, Aug 12 2010 Pre-release

IMPORTANT:

Some customers have reported that the EFILive V7.5 software will sometimes fail to detect the FlashScan V2 interface cable after it has been upgraded to V2.5 firmware or later. Usually retrying the operation will allow the software to detect FlashScan and continue. However, you can prevent the error and speed up the cable detection process by changing the cable type in the EFILive V7.5 Scan Tool software.

Change the setting: Edit->Properties->Connections->Preferred interface cable type:
               To: **EFILive FlashScan V2.5 (HAPI)**

Updating your FlashScan/AutoCal Firmware

After installing the V8 software, open the EFILive Control Panel (aka EFILive Hapi) by starting EFILive Explorer (Start->All Programs->EFILive->V8->EFILive Explorer).

Once EFILive Explorer is running, the EFILive Control Panel icon will appear in the Windows system tray (at the end of the Windows task bar).

Click on that icon and select the *F6: Firmware* option. Click on the *[Refresh]* button and follow the onscreen instructions to update the firmware.

If you have a FlashScan and an AutoCal connected simultaneously, you may select between them using the list at the top of the window.

EFILive V7.5.6 Software

Version 7.5.6.129

Date: Aug 12, 2010

1. Added Allison 6spd 2009+ pass-through reading and editing support. Programming support will be added in a subsequent release.

2. Fixed calibration B2515 TCS Throttle Limiter by Gear, IAT Multiplier for E37 OS's: 12628960, 12630187 and 12635399.

3. Added T43 speedometer calibrations: H0122 Axle Ratio and H0135 Tire Size Correction.

4. Added support for Atlas OS 12601904

5. Fixed "EFILive has detected changes in the data that were not made by EFILive" error when saving AL6 files.

6. Fixed *.ctd files not saving correctly in V7.5 for LBZ and LMM DSP tunes.

7. Fixed read/flash issues with 4 Cylinder 2002-2005 controllers.

8. Updated E38 OS 12633056 to include calibration B8036

9. Added E37 OS 12639473

10. Added E67 OS 12630458

11. Added E67 OS 12639469

12. License backup file (<serial_number>.lbu) is now saved automatically during every flash instead of only when a new controller is licensed. The license backup file is used by EFILive to re-create your VIN licenses if/when your FlashScan V2 device fails and requires replacing. If you cannot provide a license backup file and your FlashScan V2 is too damaged to retrieve your existing VIN licenses, then your VIN licenses cannot be restored into a replacement device.

13. Fixed "Floating Point Exception" error when 3D surface chart was initialized with entries from the registry that caused it to be displayed with zero rotation (i.e. exactly "square-on").

14. Saving LMM *.ctd files now works correctly.

15. Added Support for T42 Operating Systems: 24235742 and 24235875.

16. Added support for DMA PIDs for new E38 operating systems.

17. Added support for E38 Operating System: 12639835.

18. Fixed problem that prevented *.ctd files from being automatically opened by the Tune Tool software.

19. Fixed "Floating Point Exception" error when 3D surface chart was rotated using the mouse to be displayed with zero rotation (i.e. exactly "square-on").

20. Added correct axis labels to 3D surface chart instead of "X", "Y" and "Z"

21. Added support for new E37 OS: 12639670.

22. Added support for new E38 OS: 12639270.

23. Added E37 support.

24. Added new File menu option: File->Save tuning file for remote flashing, to allow a *.ctd file to be saved with the currently connected FlashScan device's license number embedded in the file. Once a file has a FlashScan license number embedded in it, that file can be flashed by any AutoCal device that was previously linked to the FlashScan device. Files that have not been saved with the linked FlashScan license number embedded in them cannot be flashed by any AutoCal device.

    Saving a *.ctd file using the standard File->Save options (even one that already has a FlashScan license embedded in it) will cause the file to be saved without any embedded FlashScan licensing information, thereby making it impossible to flash that file using any AutoCal device. That prevents tuners' remote customers editing and re-flashing files sent to them by their tuner.

    Note: As part of the V8 software, *.ctd files will also be able to be independently flagged as read-only or non-viewable, rendering the files non-modifiable or non-viewable respectively.

25. Added a new field to the Calibration window (under the PCM flash size field) that shows the FlashScan/AutoCal license number (if any) to which the file has been linked.

26. *.ctd files are now saved with comments and modification history the same as V7.5 *.tun files.

27. Fixed bug with RTACs display which was causing the linked ROW PID value to not be displayed when using RTACs on single column tables.

28. All Yes/No dialog boxes now select the "No" option if the dialog box is closed without the user making a selection. Previously if the user clicked on the red [X] in the top right corner of the dialog box, the software would incorrectly assume the [Yes] button had been selected.

29. Added calibration updates for E38 OS 12636008.

30. Added E67 BEN factor PIDs.

EFILive V8.1.2 Software

Version 8.1.2.109

Date: Aug 12, 2010

1. Fixed EFILive_Explorer hanging on start-up when no FlashScan/AutoCal device is connected.

2. Fixed Allison 2009+ 6 speed (A50) BBR script file to correctly reset the A50 controller on completion.

3. Fixed Allison 2009+ 6 speed (A50) BBR script file to correctly save the *.ctd file.

4. Changed controller name P11A to P08

5. Changed controller name P11B to P11

6. Moved the AutoCal/FlashScan selection buttons in the BBSettings and Device Settings windows to the Main Scan and Tune window.

7. Add BBF for Allison 5 speed and Allison 6 speed.

8. Add BBR/BBF for 4 Cylinder 1997-2002 and 2002-2005.

9. Fixed intermittent issue that caused E38 BBR/BBF to fail.

10. Added support for Black Box Flashing (BBF) for controllers: P10 (In Line 6), L31 (Vortec 98-00), LBZ (Duramax) and LMM (Duramax).

11. Fixed hot-key fault when renaming files in FlashScan or AutoCal using EFILive Explorer.

12. Fixed problem with saving/restoring the DTC settings in Options.txt using the EFILive Scan and Tune -> Black Box Settings options.

13. Fixed timeout error that occurs when programming FlashScan settings while an SD Card is inserted.

14. Fixed EFILive_HAPI faults introduced in a previous beta build.

15. Fixed *USB I/O Error $0004* after FlashScan or AutoCal has been disconnected and reconnected.

16. Fixed $0183 error when attempting to program AutoCal with BBX settings.

17. Added a new "Device Settings" option to configure AutoCal devices with the simple menu or the advanced menu. EFILive highly recommends setting up your AutoCal devices with the simple menu prior to shipping them to your remote customers. The

simple menu is much easier to manage when supporting your remote customers.

AutoCal/FlashScan Firmware

Version 2.06.38

Date: Aug 07, 2010

1. Updated BBX Scripts to provide support for future pass-through VIN Licensing operations.

2. Fixed manual DTC lookup on FlashScan not working.

3. FlashScan sometimes becoming non-responsive after pass-through logging and/or flashing.

4. *.ctd file names are now sorted and searched using case-insensitive comparisons.

5. Fixed SD Card initialization to correctly recognize some SD Cards.

6. Added option to turn off the check for "Free Space" prior to BBL or BBR operations. The check for free space can take about 30-45 seconds on large SD Cards. When the free space check is switched off, and internal memory is in use (i.e. no SD Card is being used), the free space check is still performed. The free space check for internal memory is pretty fast, only a couple of seconds.

7. Added option to turn on/off SD Card CRC checking. When switched on, the CRC calculations will slow down reading/writing to the SD Card by about 1-2% but it will guarantee the integrity of the data transferred between FlashScan and the SD Card. If you've suffered data loss or data corruption when using an SD Card with FlashScan, turn this option on. If any read/write fails the CRC it is retried a number of times before giving up and returning an error.

8. Added support for High Capacity SD Cards up to 32GB.

   The "SD" indicator in the bottom left of FlashScan's LCD screen previously displayed the following:

   - ***IM***: Internal memory is selected
   - ***XX***: SD Card is not present but is selected
   - ***SD***: SD Card is present and selected

   That has now been changed to:

   - ***MEM***: Internal memory is selected
   - ***XXX***: SD Card is not present but is selected
   - ***SD1***: SD Card version 1 standard capacity - up to 2GB (or unknown)
   - ***SD2***: SD Card version 2 standard capacity - up to 2GB
   - ***SDH***: SD Card version 2 HIGH capacity - up to 32GB

9. Removed V7.5 pass-through reading and flashing for AutoCal devices. The removal was necessary in order to successfully and securely support the FlashScan-AutoCal link scheme because the V7.5 software is not aware of the FlashScan/AutoCal linking arrangements. EFILive intends to restore pass-through reading and flashing as part of the V8 software release.

10. Added an AutoCal-only option that allows AutoCal to be configured with a simple menu system. The simple menu system provides access for the following features only:

    - Display Trouble Codes
    - Record/Log pre-selected PIDs
    - Read pre-selected controller type 1
    - Read pre-selected controller type 2
    - Program pre-loaded tune 1
    - Program pre-loaded tune 2
    - Program pre-loaded tune 3
    - Program pre-loaded tune 4
    - Program pre-loaded tune 5
    - Save a diagnostic trace file (for EFILive support in case of problems)
    - Format the internal data file system
    - Display the device Serial Number
    - Display the device License Number
    - Display the device firmware version
    - Display the device boot block version

Known Issues

1. When AutoCal is counting down (during ignition off) after a read or flash attempt, it is not possible to interrupt the countdown. Pressing the [Next] or [Prev] buttons should interrupt the countdown but that does not work.

Features yet to be added (they are high priority features)

1. BBX support for controllers that are currently supported by V7.5 pass-through reading and flashing but not yet supported by BBR/BBF.

   ● = Supported in this release.

   ○ = Support to be added in a later release.

Controller	Description	BBR	BBF
LS1A	1997/1998 F/Y Body	●	●
LS1B 512K	1999+ LS1 512K	●	●
LS1B 1MB	1999+ LS1 1MB	●	●
E40	E40	●	●
E38	E38	●	●
E67	E67	●	●
E37	E37	●	○
E39	E39	●	○
E78	E78	○	○
T42	4/5 Speed	●	●
T43	6 Speed	●	●
LB7	Duramax	●	●
LLY	Duramax	●	●
LBZ	Duramax	●	●
LMM	Duramax	●	●
LML	Duramax	○	○
AL5	Allison 5 speed	●	●
AL6	Allison 6 speed	●	●
A50	Allison 6 speed 2009+	●	○
P10	Inline 6	●	●
P08	4 Cyl 98-02	●	●
P11	4 Cyl 02-05	●	●
P12	Atlas	○	○
L31	Vortec	●	●
P04	98-04 V6	○	○
P05	05-08 V6	○	○