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Pro Tools HD 7.1cs6 Update for HD Systems on Mac OS X 10.4

For Pro Tools|HD and Pro Tools|HD Accel Systems with Pro Tools HD 7.0 or 7.1 for Mac OS X 10.4 (“Tiger”) Only

Including Systems with Avid Mojo, and Media Station|PT 1.8.2Avid Mojo

Avid Mojo Users Please see the information later in this document regarding the use of Avid Mojo with Power Mac G5 PCIe (PCI Express) models.

⚠ *This update will not work without Pro Tools HD 7.0 or 7.1 for Pro Tools|HD or Pro Tools|HD Accel systems on Mac OS X 10.4 (“Tiger”) already installed.*

What's Fixed in Pro Tools HD 7.1cs6?

Pro Tools HD 7.1cs6 for Mac OS X contains the following:

Fixed: Under Certain Conditions, Recorded Files Could End Up Earlier on the Timeline than Where They Were Recorded (Item #74487)

When recording multiple tracks, files could be recorded out of sync with each other unless the Delay Compensation state had first been toggled on/off, or off/on.

Fixed: Renaming a Surround File Results in File Channel Suffixes Being Ordered Incorrectly (Item #72531)

When a file was renamed from the region list (using the menu command or double-clicking), the file suffixes would incorrectly change in both the timeline and the region list, but the file order would remain correct. Instead of renaming the audio files in the standard film format (L, C, R, Ls, Rs, LFE) the files were renamed as C, L, Rs, Ls, LFE, R.

If you then dragged a renamed file to the timeline, the suffixes would appear to be in order, but the files would be in the incorrect order.

This did not occur when renaming regions from the Timeline (or Playlist) by double-clicking with the Grabber tool.

Fixed: Could Not Always Copy Time Code Values from Region Start/End/Length Fields (Item #72677)

Copying from these fields was not possible if there was a time selection on a playlist or the timeline. This could also potentially affect some third party post applications that required the use of these fields.

Fixed: When using Expansion|HD, Instantiating a Plug-In During Playback Could Result in an DAE -6031 Error (Item #74761)

Fixes Included from Pro Tools HD 7.1cs5:

Fixed: Moving the Tempo Slider to Change Tempo Does Not Update the Play/Edit Selection (Item #70901)

Fixes a problem where if an on-screen play selection is created, and tempo is adjusted during playback, the selection area would stay the same length in samples (instead of musical time) and would not update to match the tempo.

Fixed: Some Third-Party Applications Could No Longer Copy Audio into the Pro Tools Region List (Item #73194)

This affected some third party applications, and customers who used Apple Events to import audio into Pro Tools. The fix removed the capability of auditioning audio files by dropping them on the Pro Tools application icon.

Fixed: When using the Expansion|HD Chassis, Launching Pro Tools Could Result in an -1150 Error (Item #73160)

Fixed: Bouncing to a QuickTime Movie Would Sometimes Leave Out the Video (Item #65203)

Fixed: Crash Occurs When a Plug-In Exceeds the CPU Limit for Extended Periods of Time (Item #72085)

This occurred when 2 or more processors were RTAS-enabled.

Fixed: File Corruption Problems with MXF Audio Media (Item #72525)

After an initially successful AAF/MXF import, reopening the session or previewing MXF audio files from DigiBase could result in file corruption.

This issue only occurs with certain versions of Pro Tools when opening an AAF with MXF audio media that originated from certain Avid editor applications, as follows:

Affected Pro Tools versions:

- Pro Tools TDM or LE v6.9.x
- Pro Tools HD, LE or M-Powered v7.0 thru 7.0cs4
- Pro Tools HD v7.1 thru 7.1cs4

Affected Avid editor applications:

- Avid NewsCutter v6.2.x (XP)
- Media Station|PT v1.8.2
- Media Composer Adrenaline v2.2.x (XP)
- Media Composer Adrenaline v1.8.x (OS X)
- Symphony Nitris v1.0.x (XP)
- Xpress Pro v5.2.x (XP)
- Xpress Pro v4.8.x (OS X)

Corruption arose only after Pro Tools first successfully imported and played back the AAF with MXF audio media. After closing the session and attempting to access the MXF media a second time (either by reopening the session, reimporting the AAF, or previewing the audio files in DigiBase), the audio within the MXF media files would become corrupted (and replaced by either silence or distortion).

Note that once permanently corrupted by Pro Tools, the media files were still visible in their corrupt form within Avid editor applications. However, use of these files (as well as rescanning of projects containing these files) would lead to erratic behavior including crashes of various Avid applications.

Fixes Included from Pro Tools HD 7.1cs4:

Fixed: When Recording on a Track with a Long Track Name, Recording Would Stop After 5 Minutes (Item #71869)

This would happen with a file name longer than 26 characters, as this could result in a file with more than 31 characters.

Fixed: Pro Tools Can Freeze When Attempting To Make a Crossfade (Item #72143)


This would happen when attempting to bring up the Fades dialog if there was no underlying data to make the crossfade. Fade commands that do not bring up the Fades dialog would not cause the problem.


Fixed: RTAS Instrument Plug-Ins on Instrument Tracks Incorrectly Report Delay Compensation Values (Item #71701)

This could result in the recorded audio being shifted early incorrectly. Note that the same plug-ins on Auxiliary Inputs or audio tracks reported the proper amount of 0 samples and therefore did not exhibit this problem.

Fixed: Support For Logic Pro 7.2 (Item #68784)

DAE 7.x would cause a freeze on startup when HTDM plug-ins were in the plug-ins directory.

 *Logic Pro 7.2 DAE is supported with the Digidesign Expansion|HD 6 slot expansion chassis. However, the ESB and EXS24 features are not supported with the Expansion|HD chassis.*

 *Please Note: Logic Pro 7.2 is available from the Apple Web site (www.apple.com/logicpro). Although Logic Pro 7.2 is a universal version that runs natively on both Intel- and PowerPC-based Mac systems, Digidesign hardware and Pro Tools software are not yet compatible with Intel-based Mac systems. Pro Tools|HD hardware currently requires a PowerPC-based Mac system or a Windows XP system. Customers using Pro Tools HD 6.9.x and earlier software must use Logic Pro 7.1 or earlier.*

Fixed: Pro Tools HD 7.1cs3 Could Not Load the Surround Panner Firmware (Item #72493)

Even though Pro Tools would continue to function properly after an aborted firmware upgrade, the user would be reminded to update the firmware each time they declared D-Control in the Peripherals dialog.

Fixes Included from Pro Tools HD 7.1cs3:

Fixed: Destructive Record Could Intermittently Leave Out the Left Side of a Stereo Track (Item #71408)

This could happen when performing a bounded destructive record.

Fixed: When Using The Expansion|HD, Audio Tracks Could Get Out of Sync Alignment with Each Other (Item #71296)

This could occur in large sessions with a large number of RTAS plug-ins

Fixed: When Recording with the Expansion|HD, Audio Tracks Could Drop Out or Loop (Item #71697)

Dropouts or repeated audio could occur when recording or bouncing in a high track count session

Fixed: Automation Breakpoints Were Not Being Created in Some “Write” Mode Circumstances (Item #71130, 71131)

In “Write” mode, breakpoints were not being created on “start” and “stop,” and also, when performing a “write to end” if no previous breakpoints existed on the playlist.

Fixed: On ICONs with Newer XMONs, Dim Could Become Stuck (Item #68289)

A dim that is applied to the cues when using talkback would sometimes not go away when talkback was disengaged

All D-Control and D-Command users with XMON firmware version 10 need to run the XMON firmware updater included with this release. The updater is run from the D-Control or D-Command Main Unit Utility mode (see instructions below)

Fixes Included from Pro Tools HD 7.1cs2:

Fixed: Banking Control|24 Could Result In A Crash (Item #71297)

With a send assigned, banking the control surface could result in an “unexpected quit.”

Fixed: Problems With Fade Dialog Preview (Items #70503, 70505)

Previewing a crossfade or auditioning an existing crossfade in the Fades dialog results in clicks or no audio.

Fixed: Inaccuracies With Groove Quantize (Item # 70393)

When using Groove Quantize as an edit operation or as Input Quantize, notes were being randomly moved.

Fixed: Occasional Freeze When Changing Playback Engine Settings (Item # 66846)

This could occur when playback settings were changed, including the choice when opening a session to use the saved playback engine.

Fixed: Expansion|HD Problem When Using Preroll During Record (Item # 71223)

When recording using pre-roll, incorrect audio might be played back during the pre-roll period (only with Expansion|HD).

Fixed: A Hardware Problem Could Result In A Low-Memory Error Being Reported When Launching Pro Tools Or Media Station (Item # 71110)

If an actual hardware problem existed (such as bad DSP), launching Pro Tools or Media Station could result in the reporting of a low memory condition, rather than reporting the failure to initialize the DSP hardware.

Who Should Use Pro Tools HD 7.1cs6?

This update is recommended for all Pro Tools HD 7.0 and 7.1 for Mac OS X 10.4 users and contains fixes in the following areas:

- Recording audio
- Renaming surround files
- Copying/pasting time code numbers
- Expansion|HD
- MXF audio files
- Tempo changes
- Importing files via 3rd party applications
- Bouncing to QuickTime movies
- Long file names
- Creating fades
- RTAS Instruments
- Updating Surround Panner firmware
- Logic Audio with DAE
- Destructive Record
- ICON
- Control|24
- Previewing in the Fade dialog
- Groove Quantize
- Changing playback engine configuration
- Hardware error reporting

⚠ Important: *Pro Tools HD 7.1cs6 is provided as an interim “customer support (CS)” release to address the issues described. While our testing has not shown these changes to introduce other problems, this version has not been fully qualified by Digidesign.*

Updating Pro Tools

To update to Pro Tools HD 7.1cs6:

- 1 Verify Pro Tools HD 7.0 or 7.1 is installed on your Pro Tools|HD or Pro Tools|HD Accel system.
- 2 Quit the Pro Tools application if it is open.
- 3 Locate the Pro Tools HD 7.1cs6 installer and launch it.
- 4 Follow the onscreen instructions to install Pro Tools HD 7.1cs6.
- 5 When installation is complete, restart your computer.

If you are a current Pro Tools HD 7.0 user, this update will install a complete Pro Tools HD 7.1 update, plus the following files.

If you are a current Pro Tools HD 7.1 user, this update installs the following files only (where necessary):

- Pro Tools (bundle) (v7.1cs6)
- DAE.framework (v7.1cs6)
- DSI.framework (including Expansion|HD_Firmware.bin) (v7.1cs6)
- DigiDal.kext (v7.1cs5)
- DigiStreamManager.framework (v7.1cs4)
- D-Control.bundle (v7.1cs4)
- D-Command.bundle (v7.1cs4)
- Control24.bundle (v7.1cs2)
- VeDioIF.framework (v7.1cs1)
- VideoEngineDIO.bundle (v7.1cs1)

Additional Notes About This Update

Updating ICON and XMON Firmware

To update ICON and XMON firmware:

- 1 Disconnect or otherwise disable any monitor speakers or headphones attached to XMON.
- 2 Launch Pro Tools.
- 3 Choose Setups > Peripherals and click the Ethernet Controllers tab.
- 4 Select Enable. If Enable is already selected, deselect it and select it again to cause Pro Tools to re-scan for Ethernet controllers.
- 5 After the scan is finished, select the ICON controller units from the pop-up menus, in the order you want them arranged from left to right.
- 6 When prompted to update the ICON controller (D-Control or D-Command) firmware, click “Update.”
- 7 After the ICON firmware update is complete, press the “Utility” switch on the Main Unit.
- 8 In the Soft Keys section, press the “System” switch, then press the “XMON Downld” switch.
- 9 Do one of the following:
 - If the “Current Firmware” reads version 10, click the Start button to initiate the XMON firmware download.
 - If the “Current Firmware” reads version 11, then the XMON firmware is already up to date and no update is necessary.
 - If the “Current Firmware” reads version 6, then the XMON firmware is up to date for that revision of XMON and no update is necessary.
- 10 Do not disconnect or turn off the XMON unit until the firmware update is complete.
- 11 After the firmware update is complete, press the Utility switch again to exit.

XMON Update Failure Recovery

If the XMON firmware update fails in any way, or the XMON unit becomes unresponsive and fails to function, do the following:

- 1** Turn off power to the XMON.
- 2** While holding down the Mute switch on the front panel of the XMON, turn on power to the XMON. The XMON unit should now be waiting for an update.
- 3** Follow the steps above to update the XMON firmware, checking to make sure the “Current Firmware” reads version 11.

Attention Avid Mojo Users

If your Avid Mojo is not recognized by an Apple G5 PCIe (PCI Express) computer, you must update the video peripheral's firmware on another computer. The firmware cannot be updated on the PCIe computer. (This will be true for all Avid Mojo interfaces manufactured before January 2006.)

To update the firmware:

- 1** Connect the Mojo to a non-PCIe Mac or any Windows XP computer
- 2** Install Pro Tools 7.1 or later software, or MediaStation|PT 1.8.2 or later software
- 3** Launch Pro Tools or Media Station|PT. This will update the firmware in the video peripheral
- 4** Shut off the video peripheral, then connect to the PCIe computer

Note that using an updated video peripheral with an earlier version of Pro Tools or Media Station software will downgrade the firmware, and the process above will need to be repeated.