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Pro Tools HD 7.1cs9 Update for Windows XP

For Pro Tools|HD and Pro Tools|HD Accel Systems with Pro Tools HD 7.0 or 7.1 for Windows XP Only

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

⚠ *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 Windows XP already installed.*

What's Fixed in Pro Tools HD 7.1cs9?

Pro Tools HD 7.1cs9 for Windows XP contains the following:

Fixed: Scrubbing a Track Containing a Hardware Insert on Insert 5 Will Cause Pro Tools to Unexpectedly Quit (Item #73176)

Fixed: Scrubbing or Shuttling May Cause Expansion|HD To Go Offline, and for Pro Tools to Unexpectedly Quit (Item #75844, #78034)

Messages included Communication errors and DAE -1140/-9161 errors.

Fixed: Appending to a Destructively-Recorded File Contained in a Previously Saved Session Could Cause Pro Tools To Be Non-Responsive (Spinning Wheel) (Item #76555)

For this bug to occur, it was necessary to do a destructive record, save, close, and reopen the session, then destructive record/append to the same file.

Fixed: Potential Problems When Relinking Audio Files (Item #77061, #79230)

If DigiTranslator was not installed, Pro Tools would assign a new unique ID to a copy of an Avid audio file when using "Save A Copy." This was because Pro Tools required DigiTranslator to read Avid unique IDs.

Files without unique IDs imported into Pro Tools could not be later relinked if the file name had later been changed by the user from the Explorer level.

Pro Tools will now function in the following way:

- Automatically add a unique ID (as needed) to audio files when opening a session or importing audio.
- Recognize Avid unique IDs, even when DigiTranslator is not installed.

Fixed: Some Automation Moves Could Be Written Incorrectly when Writing Immediately after a "Play" Command (Item #78032)

This could occur when touching a control immediately after a "play" command, but before the transport started moving.

Fixed: When Using Expansion|HD, Previewing in the Import Audio Dialog Could Cause a Crash (Item #78042)

This problem was exacerbated by the use of RTAS reverbs on Aux tracks.

Fixed: Connecting or Reconnecting A Synchronizer to Pro Tools in Remote Mode Could Cause a Crash (Item #78430)

This problem occurred in Pro Tools 7.1cs7 and 7.1cs8.

Fixes Included from Pro Tools HD 7.1cs8:

Fixed: Some International Characters Were Not Allowed In Pro Tools 7 Sessions (Item #71269, #76222)

German, Norwegian, Swedish, and French/French Canadian characters were affected.


DigiBase search criteria was also affected.


Fixed: When Controlling 9-pin Devices with MachineControl, Selections Could Appear on the Timeline When Fast-Winding In Pro Tools (Item #75405)

This would occur when the preference “Machine Follows Edit Insertion/Scrub” was checked.

Fixed: Pro Tools Always Overwrites Automation in Existing Playlists When Using “Import (Session Data): Overlay New on Existing Playlists.” (Item #63172)

Pro Tools would not allow a session with a 2-hour start time to overlay automation data on a session with a 1 hour start time without clearing all automation before 2 hours on the destination session.

 *Automation cannot be “combined” with an overlay—the destination session’s automation will be replaced from the Session Start time of the source session.*


 *Inserts and sends must be consistent between sessions or they may be overwritten*

Fixed: Volume Automation From a Control Surface May Be Inaccurately Written if the System Is Under Load (Item #75888)

This could occur with high track count sessions when using the surround mixer.

Fixed: When Controlling a Non-Linear Device with MachineControl in “Transport=Pro Tools,” Taking Pro Tools Off Line Would Send a “Stop” Command (Item #77280)

This could stop another 9-pin device in the system unnecessarily.

 *This change in behavior is activated only by the “Non-Linear Transport Error Suppression” preference.*

Fixed: Scrubbing or Shuttling on a Record-Enabled Track While In QuickPunch could Cause a Reboot (Item #76766)

This would occur when a ReWire plug in was being used in the session or when scrubbing on a track with an RTAS plug-in inserted.

Fixes Included from Pro Tools HD 7.1cs7:

Fixed: Using “Import Session Data” and Choosing “Consolidate From Source Media” Would Post an Error (Item #72604)

The error posted was “Could not complete your request because Assertion in Cmn_Interval.cpp, line 210.”

Fixed: When Using ReVibe, -6042 Errors Could Be Encountered When Making Automation Changes (Item #75784)

These errors could occur when performing “snapshot” automation changes across some or all parameters.

Pro Tools HD 7.1cs7 will only update the ReVibe plug-in if a previous installation of ReVibe is detected.

Fixed: Error Messages When Using MachineControl to Lock Non-Linear Devices (Item #76525)

Error messages included “Waiting for Sync” or “Error Cueing Machine” when Pro Tools was controlling a non-linear video deck or a synchronizer.

A new preference has been added in the Machine Control preference page for these configurations: “Non-linear Transport Error Suppression.” Select this option to suppress these error messages.

Fixes Included from Pro Tools HD 7.1cs6:

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: Unable to Spot Audio into Pro Tools from some Third Party Applications (Item #71235)

This affected some third-party applications that are used with Pro Tools.

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

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: 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: 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: 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: 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 7.1cs9?

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:

- Scrubbing audio
- Writing automation
- Expansion|HD
- Destructive Recording
- Better unique ID management
- Using 9-pin Remote Mode
- Writing automation from a control surface.
- Using “Overlay” with “Import Session Data”
- Using International Characters
- Scrubbing
- Recording automation
- “Snapshot” automation changes with ReVibe plug-in
- Using MachineControl with non-linear decks or synchronizers
- Using “Import Session Data” with consolidation
- Recording audio
- Renaming surround files
- Copying/pasting time code numbers
- Expansion|HD
- Spotting audio to Pro Tools from third party applications
- MXF audio files
- Tempo changes
- Creating fades
- RTAS Instruments
- Updating Surround Panner firmware
- ICON
- Control|24
- Previewing in the Fade dialog
- Groove Quantize
- Changing playback engine configuration
- Hardware error reporting

⚠ *Pro Tools HD 7.1cs9 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 7.1cs9:

- 1 Verify Pro Tools HD 7.0 or 7.1 for Windows XP is installed on your Pro Tools|HD or Pro Tools|HD Accel system.
- 2 Quit the Pro Tools application if it is open.
- 3 Do one of the following:
 - If you have Pro Tools 7.0 installed, locate the Pro Tools HD 7.1cs9 Update Installer and launch it.
 - If you have Pro Tools 7.1 installed, locate the Pro Tools HD 7.1cs7 Patch-Only Installer and launch it.
- 4 Follow the on-screen instructions to install Pro Tools HD 7.1cs9.
- 5 When installation is complete, restart your computer.

The Pro Tools HD 7.1cs9 Update Installer for 7.0 users will install a complete Pro Tools HD 7.1 update, plus the following files:

The Pro Tools HD 7.1cs9 Patch-Only Installer for 7.1 users will update only the following files:

- ProTools.exe (v7.1cs9)
- DAE.dll (v7.1cs9)
- DirectIO.dll (7.1cs9)
- FFmt.dll (v7.1cs9)
- Cfd.dll (v7.1cs9)
- DFW.dll (v7.1cs8)
- DSI.dll (v7.1cs8)
- ReVibe.dpm (v7.1cs7)*
- ReVibe.dpm.rsr (v7.1cs7)*
- ExpansionHD.Firmware.bin (v7.1cs6)
- D-Command.dll (v7.1cs4)
- D-Command.dll.rsr (v7.1cs4)
- D-Control.dll (v7.1cs4)
- D-Control.dll.rsr (v7.1cs4)
- Control24.dll (v7.1cs2)

*Will only update ReVibe if a previous installation of ReVibe is detected.

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.