



What's New in Pro Tools[®] and Pro Tools | Ultimate

version 2018.7

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What's New in Pro Tools 2018.7

New Features and Enhancements

Pro Tools® and Pro Tools | Ultimate software version 2018.7 provides the following new features and enhancements.

Playlist Workflow Enhancements

Playlist Navigation Enhancements

Pro Tools provides new playlist navigation keyboard shortcuts for both full-sized keyboards and laptops.

Enable/Disable Target Playlist Undoable

Enabling or Disabling the Target Playlist is an undoable action that appears in the Undo History.

Menu Updates

Menu Selection Improvements

Selecting Multiple Items in a Menu

Pro Tools lets you select multiple items in menus using the Command key (Mac) or the Control key (Windows).

Checkbox Pop-up Menus

Pro Tools provides checkbox menus that let you select (and deselect) multiple items without the menu closing.

Search Popover for Insert, Send Path, and Track Input and Output Path Selectors

This lets you quickly search and select the desired plug-in or audio signal path.

Editing Improvements

Relative Grid Editing Enhancements for Notes and Selections

With Relative Grid mode enabled, any offset between the nearest Grid line and the Edit selection start is retained when cutting or copying, and then pasting clips and MIDI notes.

Edit Selection Improvements

The Edit menu now includes certain commands that were previously only available using keyboard shortcuts. Commands related to the Edit selection are organized in the **Selection** submenu.

Duplicate and Extend Selection Command

Pro Tools lets you duplicate the Edit selection (including all track data in the selection), keep the selection start, and extend the selection to the end of the duplicate. This facilitates working with audio loops and repeating MIDI content.

Miscellaneous Improvements

Change Edit Window Scrolling Mode During Playback and Recording

Pro Tools lets you change the Edit Window Scrolling mode during playback and recording without interrupting the transport.

Retrospective Record for MIDI Improvements

Pro Tools provides improved Retrospective Record for MIDI when punch recording and with MIDI Thru buffering.

Avid Audio EQ Plug-in Support for EQ Curve

EQ Curve view in the Mix window is now supported by more Avid Audio EQ plug-ins.

Low Latency Monitoring Improvements

With Low Latency Monitoring enabled, Pro Tools lets you use hardware monitoring with any outputs on your audio interface without having to re-configure your session. Pro Tools also lets you maintain sends with Low Latency Monitoring.

System Usage CPU Peak Indicator

Pro Tools provides a 3-second peak indicator for visual indication of peak CPU usage in the System Usage window.

MediaCentral | Production Management

Avid Interplay has been renamed MediaCentral | Production Management.

EUCON Master Fader Control for Monitoring

Pro Tools lets you use a Master Fader to act as a Monitor Path control for EUCON control surfaces.

9-Pin Track Arming for Up to 112 Tracks

(Pro Tools | Ultimate Only)

Pro Tools supports arming, Input monitoring, Mute, and Solo for up to 112 tracks over a 9-pin MachineControl connection.

System Requirements and Compatibility Information

Avid can only assure compatibility and provide support for hardware and software it has tested and approved.

For complete system requirements and a list of qualified computers, operating systems, hard drives, and third-party devices, visit:
www.avid.com/compatibility


Conventions Used in This Guide


Pro Tools documentation uses the following conventions to indicate menu choices, keyboard commands, and mouse commands:

Convention	Action
File > Save	Choose Save from the File menu
Control+N	Hold down the Control key and press the N key
Control-click	Hold down the Control key and click the mouse button
Right-click	Click with the right mouse button


The names of Commands, Options, and Settings that appear on-screen are in a different font.

The following symbols are used to highlight important information:

 *User Tips are helpful hints for getting the most from your Pro Tools system.*

 *Important Notices include information that could affect your Pro Tools project data or the performance of your Pro Tools system.*

 *Shortcuts show you useful keyboard or mouse shortcuts.*

 *Cross References point to related sections in this guide and other Avid documentation.*

How to Use this PDF Guide

This PDF provides the following useful features:

- The Bookmarks on the left serve as a continuously visible table of contents. Click on a subject heading to jump to that page.
- Click a + symbol to expand that heading to show subheadings. Click the – symbol to collapse a subheading.
- The Table of Contents provides active links to their pages. Select the hand cursor, allow it to hover over the heading until it turns into a finger. Then click to locate to that subject and page.
- All cross references in **blue** are active links. Click to follow the reference.
- Select Find from the Edit menu to search for a subject.
- When viewing this PDF on an iPad, it is recommended that you open the file using iBooks to take advantage of active links within the document. When viewing the PDF in Safari, touch the screen, then touch Open in “iBooks”.

Resources

The Avid website (www.avid.com) is your best online source for information to help you get the most out of Pro Tools.

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Activate your product to access downloads in your Avid account (or quickly create an account if you do not have one). Register your purchase online, download software, updates, documentation, and other resources.

www.avid.com/account

Support and Downloads

Contact Avid Customer Success (technical support), download software updates and the latest online manuals, browse the Compatibility documents for system requirements, search the online Knowledge Base or join the worldwide Avid user community on the User Conference.

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Study on your own using courses available online, find out how you can learn in a classroom setting at an Avid-certified training center, or view video tutorials and webinars.

www.avid.com/education

Video Tutorials

The *Get Started Fast with Pro Tools* series of online videos provide tutorials to help if you are new to Pro Tools. They also provide videos for the experienced user that introduce new features found in the latest versions of Pro Tools.

www.avidblogs.com/get-started-fast-with-pro-tools/

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Playlist Workflow Improvements

Playlist Navigation Improvements

When the Edit selection (or Edit insertion point) is on the Main playlist, you can navigate playlists on full-sized keyboards or laptop keyboards using the following key commands:

To navigate to the first playlist:

- Press Shift+Home (full-sized keyboard).
- Press fn+Shift+Left arrow (laptop).

To navigate to the last playlist:

- Press Shift+End (full-sized keyboard).
- Press fn+Shift+Right arrow (laptop).

To move ahead five playlists:

- Press Shift+Page Down (full-sized keyboard).
- Press fn+Shift+Down arrow (laptop).

To move back five playlists:

- Press Shift+Page Up (full-sized keyboard).
- Press fn+Shift+Up arrow (laptop).

Set Target Playlist in All Tracks, Selected Tracks, or Tracks of the Same Type

Key modifiers can be used to target the same playlist in all tracks of the same type or in all selected tracks of the same type (audio, MIDI, Instrument, or Video).

To target the same playlist in all audio tracks:

- In Playlists view, Shift-click the Target button for the playlist you want to target.

To target the same playlist in all tracks of the same type (audio, MIDI, Instrument, or Video):

- Shift-click the playlist you want to target in the Playlist selector menu.

To target the same playlist in all selected audio tracks:

- In Playlists view, Option-Shift-click (Mac) or Alt-Shift-click (Windows) the Target button for the playlist you want to target.

To target the same playlist in all selected tracks of the same type (audio, MIDI, Instrument, or Video):

- Option-Shift-click (Mac) or Alt-Shift-click (Windows) the playlist you want to target in the Playlist selector menu.

Enable/Disable Target Playlist Undoable

Enabling or Disabling the Target Playlist is an undoable action that appears in the Undo History.

Menu Updates

Menu Selection Improvements

To simplify and speed up many session configuration tasks, Pro Tools lets you select multiple items in certain selector menus without closing the menu. Similarly, a few other selector menus now provide popover checklist menus.

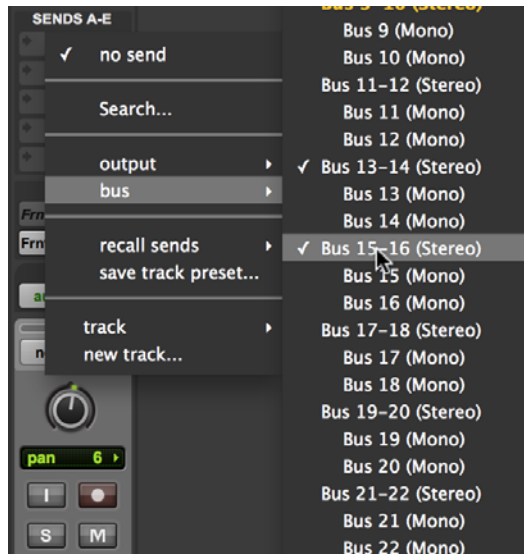
Selecting Multiple Items in a Menu

Pro Tools lets you select multiple items in the following menus using a key modifier:

- Track Send selectors
- Track Output selectors
- Show in the Clips List menu (to filter what is shown in the Clips List)
- IO Setup > Bus > Mapping to Outputs (added in Pro Tools 2018.1)

To select (or deselect) multiple items in a menu without closing the menu:

- 1 Control-click (Mac) or Start-click (Windows) to select (or deselect) multiple items in the menu.



Selecting multiple Send output assignments

- 2 To close the menu and assign the selected items, do one of the following:

- Press Return (Mac) or Enter (Windows).
- Click anywhere outside the menu.
- Press Escape.



Send with "+" indicating multiple output assignments

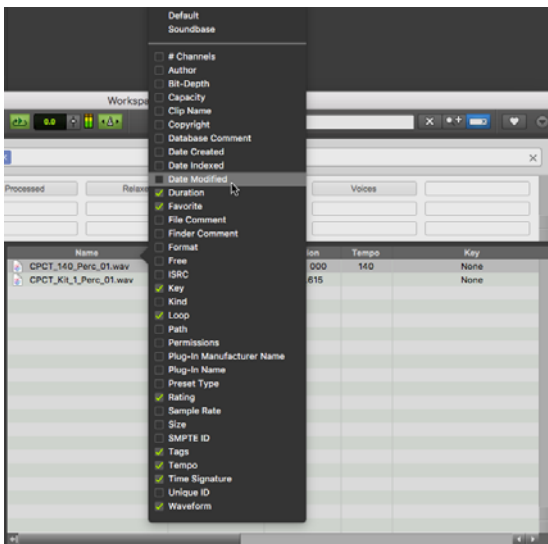
Checkbox Popover Menus

Pro Tools uses popover menus, letting you select (and deselect) multiple items without closing the menu, for the following:

- Rulers View selector
- Edit Window View selector
- Mix Window View selector
- Edit Window Toolbar menu and Right-click menu
- Transport Window menu and Right-click menu
- Workspace (for show/hide of columns)—replaces Command-click (Mac) and Control-click (Windows) functionality



Rulers selector popover menu



Workspace, show/hide columns

Additionally, you can use the following key modifiers with popover checklist menus:

To check (or uncheck) all popover menu items:

- Option-click (Mac) or Alt-click (Windows) any menu item.

To check (or uncheck) a range of popover menu items:

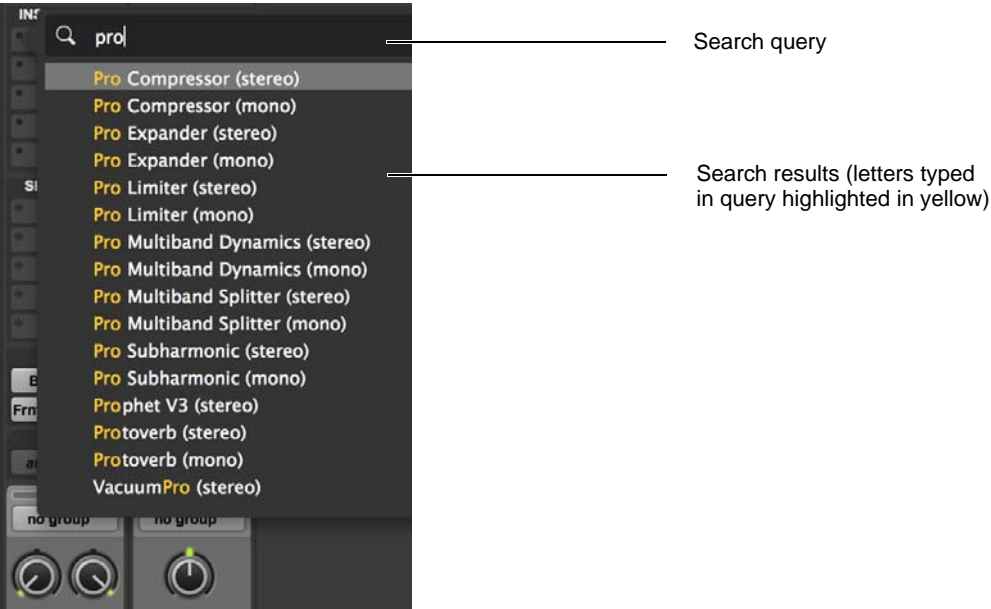
- 1 Shift-click the menu item you want at the start of the selection range.
- 2 Shift-click another menu item you want at the end of the selection range.

Search Popover for Insert, Side-Chain, Send Path, and Track Input and Output Path Selectors

Rather than always having to click and select a desired plug-in, side-chain (key-input), send path, or input or output path, Pro Tools lets you click the selector and type a few characters to quickly locate the plug-in or audio signal path you want (without having to navigate with the mouse through long lists of plug-ins or audio signal paths). The first match for whatever you typed is selected automatically. This can be especially helpful when working on systems that have a lot of plug-ins installed or have large mixers with many audio signal paths. Track Presets can also be found using Search for inserts and sends.

Search Popover

Selecting Search presents a Search popover menu. This menu is divided into two sections: Search on top and Search results below. A maximum of 20 Search results can be shown for any given query.



Search popover menu for a plug-in insert

Tags for Assigned Paths

Pro Tools lets you assign multiple paths for Sends and Track Outputs. When assignments are added from the search results, they appear as tags in the search query. Only a single insert or input can be assigned, but multiple send and output assignments can be made. You can remove any one of these by clicking the X to the right of the path name or by selecting one and pressing Delete (Mac) or Backspace (Windows). If all tags are removed, all assignments are removed.

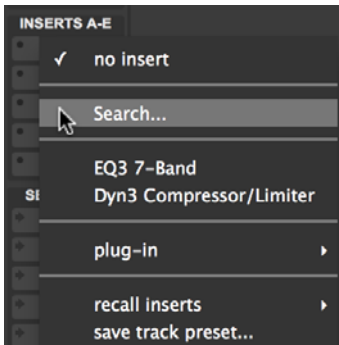


Send output assignments in the Send Search query

Plug-in Insert Search

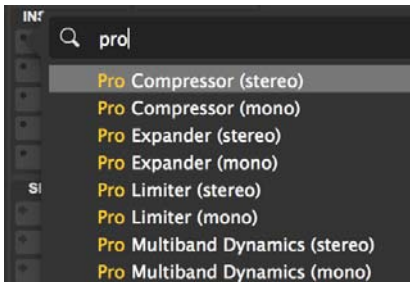
To find a plug-in in an Insert selector by typing:

- 1 Click the insert selector on a track where you want to insert a plug-in and do one of the following:
 - Click Search.
 - Press Tab.



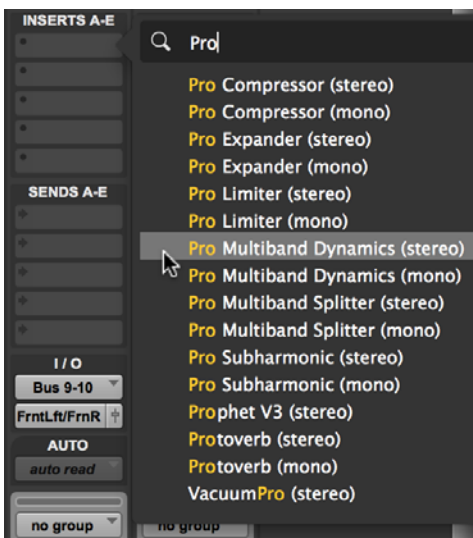
Searching Insert selector

- 2 Type a few letters included in the name of the plug-in that you want. Only plug-ins whose names include those letters (highlighted yellow) now appear in the list (maximum of 20).



Search Insert selector, typing "Pro" in the Search popover menu to find a plug-in

- 3 Select the desired plug-in with the mouse, or use the Up and Down arrow keys to select the plug-in name.



Navigating search results using the Up and Down Arrow keys

- 4 Press Return (Mac) or Enter (Windows) to insert the selected plug-in.

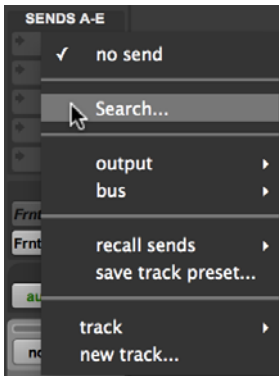


You can also search Track Presets by name from the Insert selector. Depending on the preset, this lets you insert multiple pre-configured inserts on the track.

Send, Track Input, and Track Output Path Search

To search for a path in a Send, Input, or Output selector:

- 1 Click the path selector for the send, input, or output you want to assign and do one of the following:
 - Click Search.
 - Press Tab.



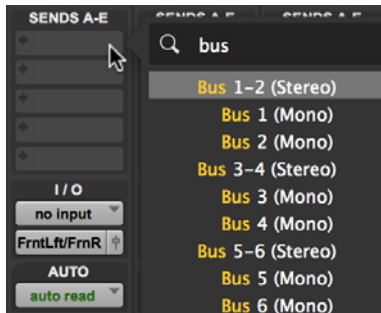
Searching a path selector (send, input, or output)

- 2 Type a few letters of the name of the path that you want. Only paths whose names include those letters (highlighted yellow) now appear in the list (maximum of 20).




Searching a path selector, typing to find a path

- 3 Select the desired path with the mouse, or use the Up and Down arrow keys to select the path name.



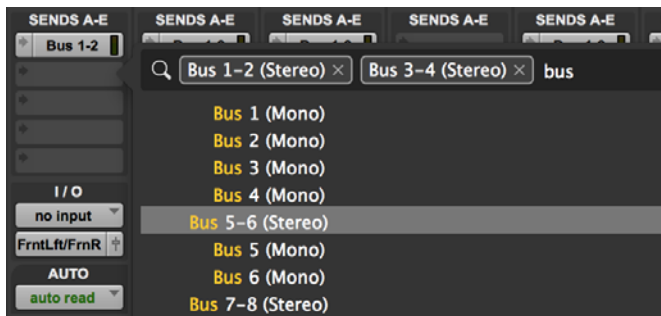
Searching a path selector, single path found by typing the first letters of its name

- 4 Do one of the following:
 - Press Return (Mac) or Enter (Windows) again to close the selector menu.
 - Click anywhere outside the menu.


 *You can also search Track Presets by name from the Sends selector.
(Track Presets are not available from the Track Input or Output selectors.)*


To search for and assign multiple paths (Sends and Track Outputs only):

- 1 Type to search for each additional path assignment, do one of the following:
 - Tab to confirm current tag that you are typing.
 - Press Shift+Return.
 - Click the entry.
- 2 Press Return to close the selector menu and assign the outputs.



Searching and assigning multiple outputs

 *Option-click (Mac) or Alt-click (Windows) to assign sends or outputs to the same path for all tracks of the same type.*

 *Option-Shift-click (Mac) or Alt-Shift-click (Windows) to assign sends or outputs to the same path for all selected tracks.*

Editing Improvements

Relative Grid Editing Enhancements for MIDI Notes and Clip Selections

With Relative Grid mode enabled, Pro Tools maintains any Relative Grid offset from the nearest grid line for audio clip selections and MIDI notes when pasting cut or copied audio or MIDI data. Relative Grid mode must be enabled when pasting.

Pasting Audio with Relative Grid Offset

Pro Tools maintains any Relative Grid offset when pasting cut or copied audio.

To paste cut or copied audio while maintaining Relative Grid offset:

- 1 Enable Relative Grid mode.
- 2 Select and Cut or Copy audio that has a Relative Grid offset.
- 3 Place the Edit insertion at the grid location where you want to paste the audio.
- 4 Choose Edit > Paste.

The audio is pasted at the grid location, but with the same Relative Grid offset as the cut or copied audio.

Pasting MIDI with Relative Grid Offset

Pro Tools maintains any Relative Grid offset when pasting cut or copied MIDI data.

To paste cut or copied MIDI notes while maintaining Relative Grid offset:

- 1 Enable Relative Grid mode.
- 2 In Notes view, select and Cut or Copy MIDI that has a Relative Grid offset.
- 3 Place the Edit insertion at the grid location where you want to paste the cut or copied MIDI notes.
- 4 Choose Edit > Paste.

The MIDI notes are pasted at the grid location, but with the same Relative Grid offset as the cut or copied MIDI notes.

Merge MIDI with Relative Grid Offset

Pro Tools maintains any Relative Grid offset when merging cut or copied MIDI data.

To merge cut or copied MIDI notes while maintaining Relative Grid offset:


- 1 Enable Relative Grid mode.
- 2 In Notes view, select and Cut or Copy MIDI that has a Relative Grid offset.
- 3 Place the Edit insertion at the grid location where you want to merge the cut or copied MIDI notes.
- 4 Choose Edit > Paste Special > Merge.

The MIDI notes are merged with any existing MIDI at the grid location, but with the same Relative Grid offset as the cut or copied MIDI notes.


Edit Selection Improvements

The Edit menu now includes certain commands that were previously only available using keyboard shortcuts. Commands related to the Edit selection are organized in the **Selection** submenu as follows:


Move Edit Left Moves the entire current Edit selection to the left by the duration of the selection.

 Press **Command+Option+Control+L** (Mac) or **Control+Alt+Start+L** (Windows); in **Commands Keyboard focus**, press **L**.


Move Edit Right Moves the entire current Edit selection to the right by the duration of the selection.

 Press **Command+Option+Control+'** (single quote) (Mac) or **Control+Alt+Start+'** (single quote) (Windows); in **Commands Keyboard focus**, press **'** (single quote).

Halve Selection Maintains the current Edit selection start time but reduced its duration by half.


 Press **Command+Option+Control+Shift+L** (Mac) or **Control+Alt+Start+Shift+L** (Windows).

Double Selection Maintains the current Edit selection start time and doubles its duration.


 Press **Command+Option+Control+Shift+'** (Mac) or **Control+Alt+Start+Shift+'** (Windows).

Duplicate and Extend Selection See [Duplicate and Extend Selection Command](#).

Move Edit Up Moves the Edit selection up one track. If more than one track is included in the current Edit selection, those tracks are removed from the selection and the selection is only on the one track.

 Press **Control+P** (Mac) or **Start+P** (Windows); in **Commands Keyboard focus**, press **P**.

Move Edit Down Moves the Edit selection down one track. If more than one track is included in the current Edit selection, those tracks are removed from the selection and the selection is only on the one track.

 Press **Control+;** (semicolon) (Mac) or **Start+;** (semicolon) (Windows); in **Commands Keyboard focus**, press **;** (semicolon).


Extend Edit Up Extends the Edit selection up one track.

 Press **Control+Shift+P** (Mac) or **Start+Shift+P** (Windows).


Extend Edit Down Extends the Edit selection down one track.

 Press **Control+Shift+;** (semicolon) (Mac) or **Start+Shift+;** (semicolon) (Windows).

Remove Edit from Top Removes the top track from the Edit selection.

 Press **Option+Control+P** (Mac) or **Alt+Start+P**.

Remove Edit from Bottom Removes the bottom track from the Edit selection.

 Press **Option+Control+;** (Mac) or **Alt+Start+;** (semicolon).

 Refer to the *Shortcuts Guide.pdf* (**Help > Pro Tools Shortcuts**) for a complete list of Pro Tools keyboard shortcuts.

Duplicate and Extend Selection Command

Pro Tools lets you duplicate the Edit selection (including all track data in the selection), keep the selection start, and extend the selection to the end of the duplicate. This facilitates working with audio loops and repeating MIDI content.

To duplicate the Edit selection, maintain the current selection start, and extend the selection to end of the duplicate, do one of the following:

- Choose Edit > Selection > Duplicate And Extend Selection.
- Press Command+Option+Control+Shift+D (Mac) or Control+Alt+Start+Shift+D (Windows).

Miscellaneous Improvements

Change Edit Window Scrolling Mode During Playback and Recording

Pro Tools lets you change the Edit Window Scrolling mode during playback and recording. With the transport running, select the desired Edit Window Scrolling mode from Options > Edit Window Scrolling > No Scrolling, After Playback, Page, or Continuous (HDX only). The Edit Window Scrolling mode updates without interrupting the Transport.

Retrospective Record for MIDI Improvements

Punch Recording and Retrospective Record for MIDI

Retrospective Record for MIDI captures your performance regardless of the recording mode. When applying Retrospective Record for MIDI, MIDI performances are placed at the exact Timeline location of the performance on the appropriate MIDI or Instrument track even when punch recording. (In lower versions of Pro Tools, there were issues with Retrospective Record and punch recording.)

MIDI Thru Improvements

During playback, if the Default Thru Instrument is set to Follows First Selected MIDI Track (Setup > Preferences > MIDI), matching MIDI data is buffered for the first selected MIDI track. Likewise, matching MIDI data is buffered for each record-enabled MIDI (or Instrument) track. So, when applying Retrospective MIDI Record, MIDI data is recalled from each track buffer on a track-by-track basis.

Avid Audio EQ Plug-ins Supporting EQ Curve View

In addition to EQ III and Channel Strip, the following Avid Audio EQ plug-ins now support EQ Curve view in the Mix window:

- Focusrite D2
- Pultec EQP-1A
- Pultec EQH-2
- Pultec MEQ-5
- VC5

Low Latency Monitoring Enhancements

Pro Tools HD Native, Core Audio, and ASIO systems provide the following enhancements with Low Latency Monitoring:

- Software monitoring is automatically disabled for all TrackInput Monitoring-enabled tracks.
- Software monitoring is automatically disabled for all Record-enabled tracks.

This lets you use hardware monitoring with any output channels on your audio interface without having to re-configure your session.



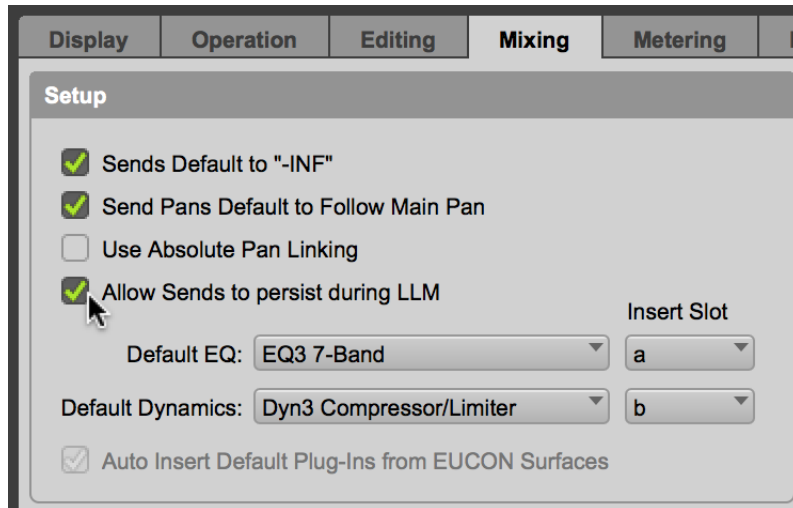
Previously when Low Latency Monitoring was enabled, software monitoring was disabled only for tracks assigned to physical outputs 1 or 2 on your audio interface.

Allow Sends to Persist During LLM Preference

All plug-ins and sends are bypassed by default when Low Latency Monitoring (LLM) is enabled (Options > Low Latency Monitoring). Pro Tools now lets you enable the Allow Sends to persist during LLM option to maintain sends audio signal output with Low Latency Monitoring.

To maintain (or bypass) sends with Low Latency Monitoring enabled:

- 1 Choose Preferences > Mixing and click the Setup tab.
- 2 Select (or deselect) the Allow Sends to persist during LLM option.

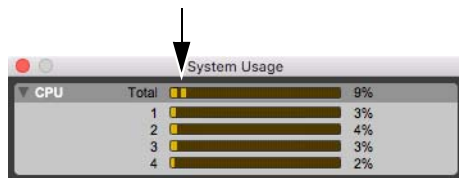


Enabling the Allow Sends to persist during LLM option in the Mixing preferences

- 3 Click OK.

System Usage CPU Peak Indicator

Pro Tools provides a 3-second peak indicator for visual indication of peak CPU usage in the System Usage window (Elastic Audio processing, Clip Gain processing, and Native plug-in and mixer processing).




System Usage window, CPU peak meter indicator

Avid Interplay Renamed MediaCentral | Production Management

Pro Tools | Ultimate continues to support Avid Interplay, which has been renamed MediaCentral | Production Management. This affects the names of the following commands in Pro Tools:

- File > Export > Selected tracks to sequence in Avid Interplay is now File > Export > Selected tracks to sequence in Production Management.
- File > Import > Sequence from Avid Interplay is now File > Import > from Production Management.

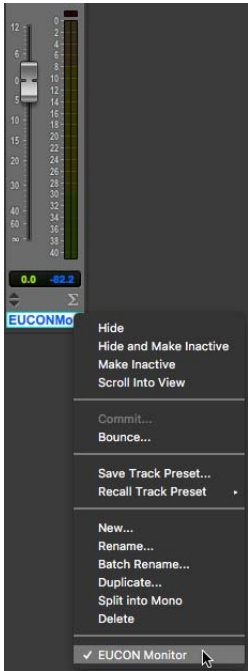
 For more information, refer to the Pro Tools MediaCentral Production Management Guide.pdf.

Enable EUCON Monitor Path Option

Pro Tools lets you use a Master Fader to act as a Monitor Path control for EUCON control surfaces.

To enable a Master Fader for EUCON Monitoring:

- 1 Ensure that Enable EUCON is selected in Setup > Peripherals > Ethernet Controllers.
- 2 Create a Master Fader track.
- 3 Right-click the Name of the Master Fader and select EUCON Monitor.



Enabling EUCON Monitor control of a Master Fader track

Your EUCON control surface controls the Master Fader track for monitoring.


For example, on the Dock with a Master Fader assigned to EUCON Monitor:

- Rotating the **Monitor/Control Room** knob raises and lowers the Master Fader level.
- Pressing the knob sets Master Fader level to $-\infty$ (effectively Muting or “Cutting” the monitor level). Press again to return to the previous level.

Track Arming for Up to 112 Tracks Over a 9-pin MachineControl Deck Emulation Connection

(Pro Tools | Ultimate Only)

Pro Tools supports arming, Input monitoring, Mute, and Solo for up to 112 tracks over a 9-pin MachineControl Deck Emulation connection.

 *Serial Deck mode continues to support up to no more than 48 tracks.*



Technical Support (USA)
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at www.avid.com/support

Product Information
For company and product information,
visit us on the web at www.avid.com