

## Lexicon PCM96/PCM96 Surround Version 3.2.0.1 OS-X Software Update

Lexicon is dedicated to continuing to improve the PCM96 and PCM96 Surround. If you want to know when new software updates are available for the PCM96/PCM96 Surround, visit our website and sign up for software update notification.

[http://www.lexiconpro.com/static\\_callout.php?id=21](http://www.lexiconpro.com/static_callout.php?id=21)

The Lexicon PCM96 team has continued to enhance the Hardware Plug-In function to increase the software stability and performance. Software version 3.2.0.1 represents a major overhaul of the streaming and control functionality to make it less processor intensive.

Some of the highlights of this release include:

ProTools 8 Support  
Full Support of OS X 10.5.7

Software version 3.2.0.1 has been successfully tested internally and externally at several different locations. This version fixes a number of issues, including:

- Support of ProTools 8: Resolved numerous PT8 issues.
- Fixed problems in OS X 10.5.7 on PPC Mac's.  
**NOTE:** this required building a separate installer for PPC for OS X 10.4.X Macs! The main installer is for 10.5.7 PPC Macs and ALL Intel Macs.
- Decoupled PCM96 plug-in's: when you are using multiple PCM96 plugs on separate tracks you will no longer have problems due to no audio on sections of those tracks (previously you would get a processor overload from the DAW). This also allows you to use bypass and mute/solo of tracks.
- Initial testing has been done in Digital Performer 8.
- Initial testing has been done in Logic 9.
- The PCM96Configurator display has been changed to handle multiple PCM96 and PCM96 Surround processors.
- Fix to front panel meters so they work properly when using the PCM96's in control only mode.
- The display values for the Tail Width parameter have been changed. As before, the width is expressed in degrees, with special text for particularly interesting values. These values would include "Stereo", "Mono", "Logic7" and so on. Those special values were shown in the wrong location, but have now been

corrected. There is absolutely NO CHANGE in the sound of any factory or user presets, although the Tail Width parameter display may appear different in some presets.

- The “Overload protection level” selector has been added to the “Communications” menu to allow users to get rid of DAW processor overloads. Depending on the speed of your computer, this will give you the opportunity to reduce latency in streaming mode by a full burst size.
- Fixes to infrequent DAW hangs which occur when switching between mono and stereo plugs.

#### Errata of known issues:

- In ProTools (RTAS Wrapper), changing a parameter or loading a preset will not tell the DAW that the session needs to be saved. Moving the plug-in window will trigger ProTools that the session needs to be saved.
- When switching between sessions of different clock rates without closing the DAW, the latency may be initially reported wrong (this only matters to people using latency compensation). This can be corrected by either bypassing then reactivating each of the PCM96 plugs or by closing the DAW then reopening the session. Switching between sessions of the same clock rate is not a problem.
- Digital Performer 8 has not been fully tested with the PCM96 or PCM96 Surround. At this time, Lexicon testing and initial users have successfully used the PCM96/PCM96 Surround with DP8. Some isolated user issues have been reported.
- Logic 9 has not been fully tested with the PCM96 or PCM96 Surround. At this time, Lexicon testing and initial users have successfully used the PCM96/PCM96 Surround with Logic 9. Some isolated user issues have been reported.
- Initial testing on OS X 10.6.0 (Snow Leopard) has revealed some issues with the PCM96 and PCM96 Surround. Lexicon is working to resolve these issues.

Software version 3.2.0.1 is the latest version for both the PCM96 and the PCM96 Surround. There are separate installers and firmware for the PCM96 and the PCM96 Surround. If you are using both a PCM96 and a PCM96 Surround on the same DAW follow the installation instructions for the PCM96 Surround and then go to step 4 of the PCM96 instructions to update the firmware.

### **PCM96 Software Update Instructions:**

**NOTE:** A separate installer has been developed for all PPC OS X 10.4.X Macs!! The main installer is for 10.5.7 PPC Macs and ALL Intel Macs.

1. Open the “LexiconPro PCM96 3.2.0.1 Installer.dmg” and follow the instructions provided.
2. Run LexiconProClean.app
3. Choose the installer based on your computer:
  - a. If you are using OS X 10.5.7 PowerPC Mac or ANY Intel Mac:  
Run the “LexiconPro PCM96 3.2.0.1 Installer.pkg”
  - b. If you are using OS X 10.4.X on a PowerPC Mac:  
Run the “LexiconPro PCM96 3.2.0.1 PPC OSX 10.4.X ONLY Installer.pkg”
4. If you require RTAS support, open the “PCM96\_RTAS\_Installer.pkg” package **after** installing the “LexiconPro PCM96 3.2.0.1 Installer.pkg” or “LexiconPro PCM96 3.2.0.1 PPC OSX 10.4.X ONLY Installer.pkg” (which will have automatically rebooted your Mac).

**5. Update your PCM96 firmware to version 2.2.1.** This is done by opening the PCM96ControlPanel (located in the System Preferences Pane) and hitting the "Update" button when your PCM96 appears.

**NOTE:** Updating over FireWire will take approximately 20 minutes to download the update to the box then an additional 10 minutes for the box to process the data. Using Ethernet the download time is approximately 2-3 minutes followed by the 10 minutes of box processing time.

### **PCM96 Surround Software Update Instructions:**

**NOTE:** A separate installer has been developed for all PPC OS X 10.4.X Macs!! The main installer is for 10.5.7 PPC Macs and ALL Intel Macs.

1. Open the “LexiconPro PCM96 3.2.0.1 Installer.dmg” and follow the instructions provided.
2. Run LexiconProClean.app
3. Choose the installer based on your computer:
  - a. If you are using OS X 10.5.7 PowerPC Mac or ANY Intel Mac:  
Run the “LexiconPro PCM96Surround 3.2.0.1 Installer.pkg”
  - b. If you are using OS X 10.4.X on a PowerPC Mac:  
Run the “LexiconPro PCM96Surround 3.2.0.1 PPC OSX 10.4.X ONLY Installer.pkg”

4. If you require RTAS support, open the PCM96\_RTAS\_Installer.pkg package *after* installing the “LexiconPro PCM96Surround 3.2.0.1 Installer.pkg” or “LexiconPro PCM96Surround 3.2.0.1 PPC OSX 10.4.X ONLY Installer.pkg” (which will have automatically rebooted your Mac).

**5. Update your PCM96 Surround firmware to version 1.2.1.** This is done by opening the PCM96ControlPanel (located in the System Preferences Pane) and hitting the "Update" button when your PCM96 Surround appears.

**NOTE:** Updating over FireWire will take approximately 25 minutes to download the update to the box then an additional 15 minutes for the box to process the data. Using Ethernet the download time is approximately 3-5 minutes followed by the 15 minutes of box processing time.

### **System Requirements:**

Macintosh ONLY

OS X versions:

10.4.11

10.5.7

Hardware Platforms:

Power PC, Dual 1.6 GHz or better

All Intel (as of August 2008)

DAW info and requirements

- Due to hardware processing being done outside of the DAW, delay compensation is a must for proper time alignment
- VST and Audio Unit format DAW

Pro-Tools 7.3, 7.4 & 8.0 (HD and LE) on OS X 10.4.11 or 10.5.7

- LE does not have latency compensation
- Pro-Tools requires you to run the RTAS adapter found on the PCM install disk

Logic 8

Logic 9

Nuendo 4

Cubase 4

Digital Performer 8

Other platforms may exhibit problems other than those listed in the Known Issues section of this file.