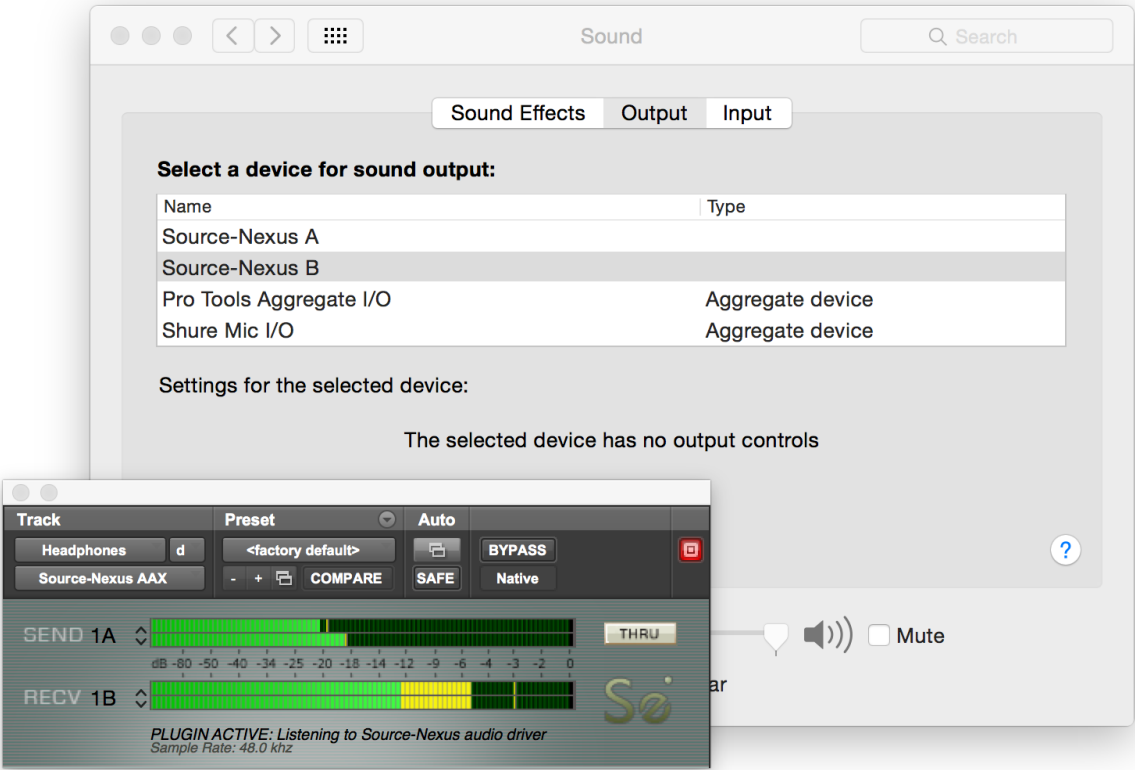


Source-Nexus Pro 1.1 User Guide



1. Introducing Source-Nexus Pro 1.1

Source-Nexus Pro is an audio application router for AAX, VST and Audio Units hosts: Record remote voiceover from Source-Connect directly in Final Cut or Media Composer, playback iTunes to Pro Tools, even patch Pro Tools to and from Nuendo, Logic, Reaper and more. All at the same time!

The possibilities are endless: opens an entire new world for application integration with Pro audio users and their studio environment.

You can now "patch in" any software such as phone applications, metering, encoders, decoders, external processors, other audio workstations, video editors, even a browser web page!

Supports any CoreAudio application that can send or receive audio on channels one or two of your selected audio device, such as iTunes or QuickTime, or Advanced audio applications where you can specify your channel I/O to send/receive on the first two channels.

What's new with 1.1?

Source-Nexus Pro comes with two distinct audio drivers *A* and *B* for signal separation of Input and Output: exponentially more flexible than before.

2. System compatibility

Requires OSX 10.6 or higher.

Compatible with Pro Tools 10 32-bit and 11/12 64-bit AAX.

Compatible with many VST 64-bit DAW (see exception list)

Compatible with many AudioUnits 64-bit DAW (see exception list)

3. Why do I need Source-Nexus?

Source-Nexus allows you to directly integrate any application's audio with your DAW without using external cables. With the AAX/VST and AU plug-ins, Source-Nexus allows all CoreAudio audio applications to record, and be recorded, from your timeline.

Why Pro? Source-Nexus Pro includes two distinct drivers, so you can use Source-Nexus with any application and not get internal loopback. Think about how a mixing board works: you would not want to send the audio of Channel 1 back into itself: so we provide you with two "mixing boards", as many applications will only work with Channel 1 and 2.

4. Getting Started

Source-Nexus Pro now comes with two drivers: A and B. To start with, we recommend choosing a method and being consistent: to avoid loopback issues. In the following examples we are going to use Source-Nexus A for "Sending from the plug-in" and Source-Nexus B for "Receiving in the plug-in".

For basic use, to get audio into your DAW from with the application whose audio you wish to send, you will configure the Audio out to use Source-Nexus A. To receive that application's audio in your DAW simply put the Source-Nexus plug-in on an Auxiliary-type track and select Source-Nexus A channels 1&2 as the Receive.

If your application doesn't allow you to set the device, like iTunes or QuickTime, set your System Preferences to use Source-Nexus A for the output so you can record and monitor in Pro Tools.

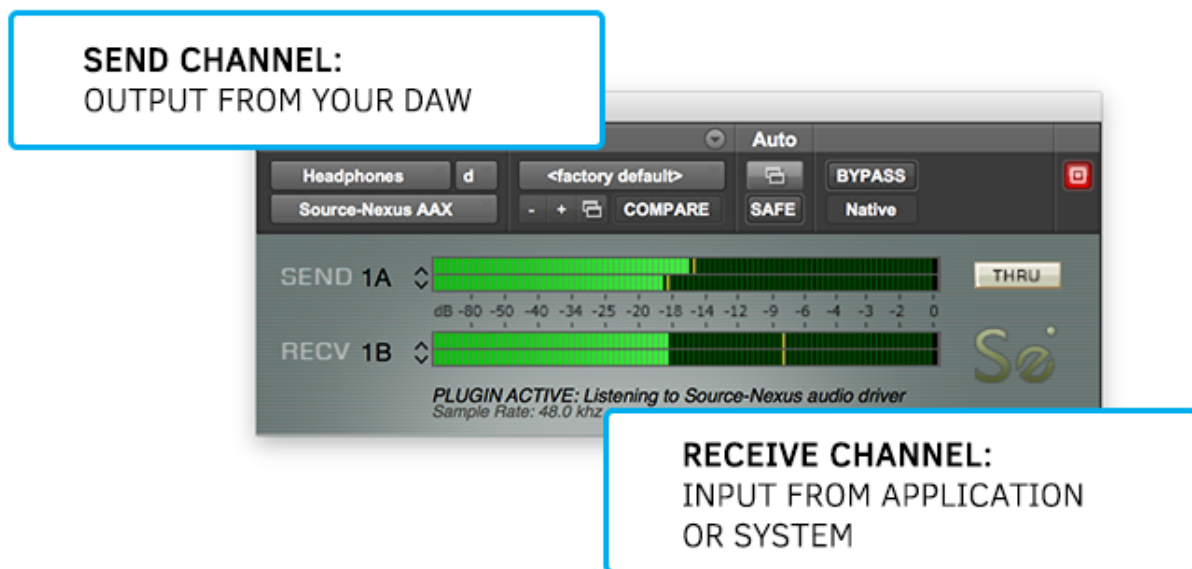
Make sure that you don't route signal into itself: you **must not** set the input & output of your Application to be both Source-Nexus A (*or both B*).

5. Understanding routing

Think of routing like buses on a mixer: you want to avoid sending a signal from *Source-Nexus A* Channel 1 back to itself. Any Source-Nexus channel will be available as an **Input** and an **Output**.

If you send a signal to a Source-Nexus **Output**, you will want to pick that up via Source-Nexus **Input** somewhere, or visa versa.

See the next section on Example Workflows for ideas and concepts.



6. Example workflows

6.1 Source-Connect Now / Google Chrome and Pro Tools

6.2 Source-Connect Pro X and Pro Tools

6.3 Record from any application into Pro Tools using System Audio

6.4 Record from Source-Connect to Final Cut Pro X

6.5 Recording out of Pro Tools

6.6 Using Aggregate Devices and Monitoring

6.1 Source-Connect Now

One of the most common uses for Source-Nexus is with other audio applications such as Google Chrome where you want to get the audio in *AND* out for communications and recording. This example applies to applications such as Skype, FaceTime and any other communications application you want to use and record.

1. In Source-Connect Now choose Source-Nexus A as your Audio Device
2. In Source-Nexus AAX choose Source-Nexus A / Channel 1&2 as your Send device, and Source-Nexus B as your Receive device (also Channel 1&2).
3. In your System Preferences choose Source-Nexus B as your Output device

What happens now, is that you can bus any signal you want to the Source-Nexus track and it will be sent out via Source-Connect Now. And because Google Chrome uses your System Preferences sound output, this will come back into Pro Tools via Driver B / Channel 1&2 and you can record what you are hearing remotely.

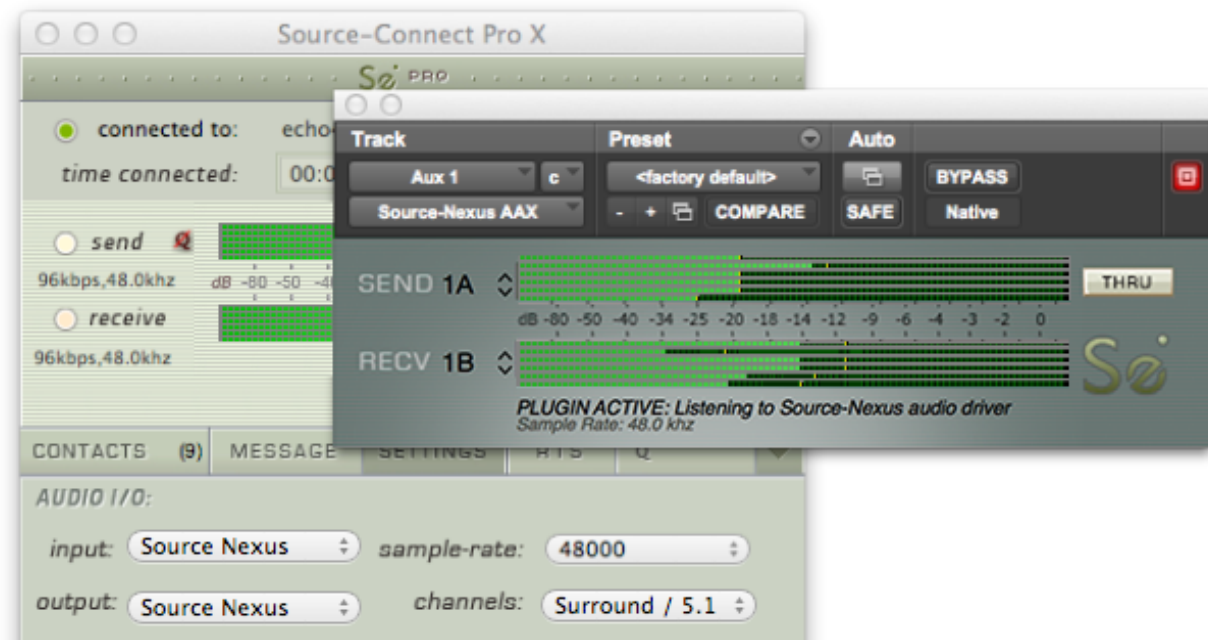
A full description of this process can be found online here:

www.source-elements.com/now/nexus

6.2 Source-Connect Pro X and Pro Tools

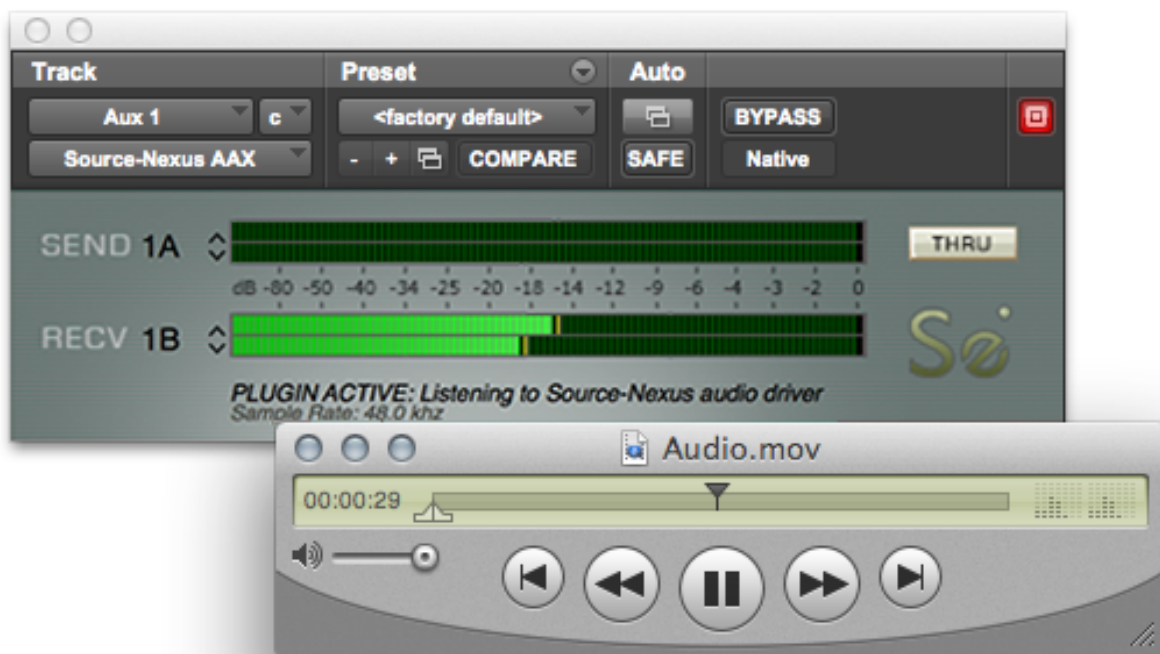
1. In Source-Connect choose Source-Nexus A input 1-6 and Source-Nexus output 7-12
2. In Source-Nexus AAX choose input 7-12 and output 1-6
3. Route your audio using Pro Tools buses.

You are now ready to do a Surround 5.1 session with Source-Connect and Pro Tools.



6.3 Record from any application into Pro Tools using System Audio

1. In your System Preference, set your Output device to Source-Nexus B
2. Open the audio application you wish to play from.
3. Place Source-Nexus AAX on a track.
4. The input will come from Source-Nexus B Channel 1 (mono), 1&2 (stereo), 1-7 (Surround) so make the Input of Source--Nexus as Driver B and Channel 1&2.
5. In the example below we are receiving audio from QuickTime on Driver B / Channel 2.



6.4 Record from Source-Connect to Final Cut Pro X

1. In Final Cut Pro X, set your audio input to “Source-Nexus A: channel 1”
2. Check the Monitor checkbox so you can hear the other person from Source-Connect.
3. In Source-Connect, set your audio output to “Source-Nexus A: channel 1”
4. In Source-Connect, set your audio input to any microphone available.

You can now record in Final Cut Pro directly from Source-Connect.

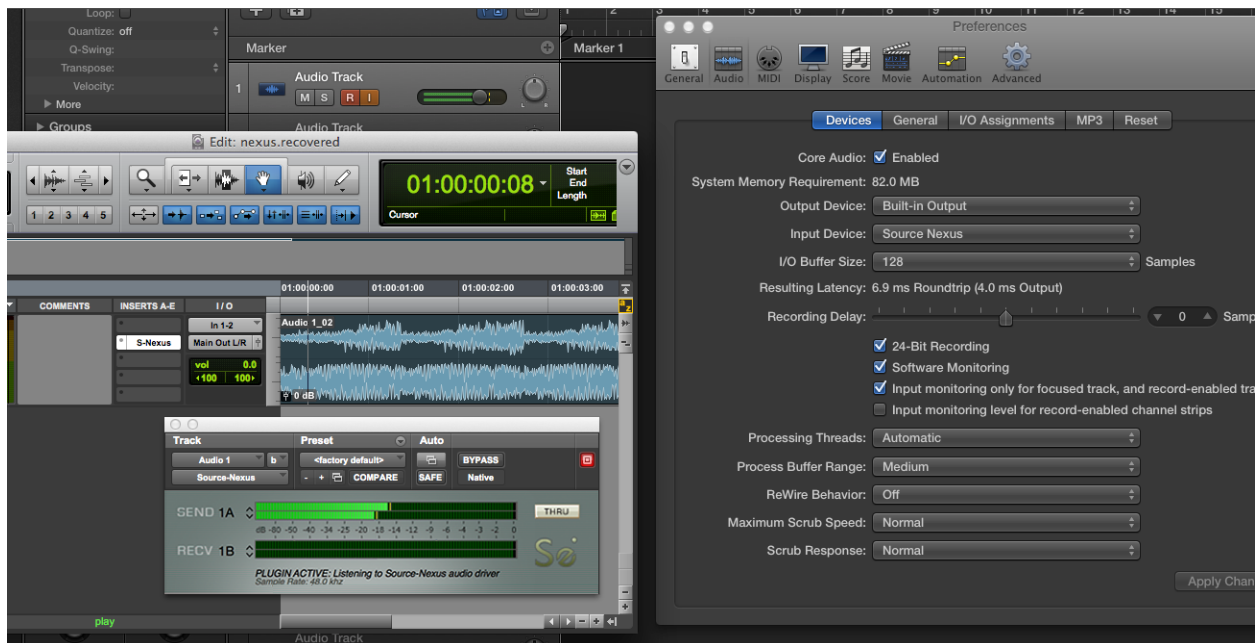


6.5 Recording out of Pro Tools

1. Set your System Preferences>Input to Source-Nexus B
2. In the Source-Nexus AAX plugin, set the Output to Driver B / Channel 1 and 2 (or just 1 for mono)

You can now record into any application directly from your Pro Tools timeline.

The example here shows Logic Pro X with the input set to Source-Nexus A, recording audio from Pro Tools 10.



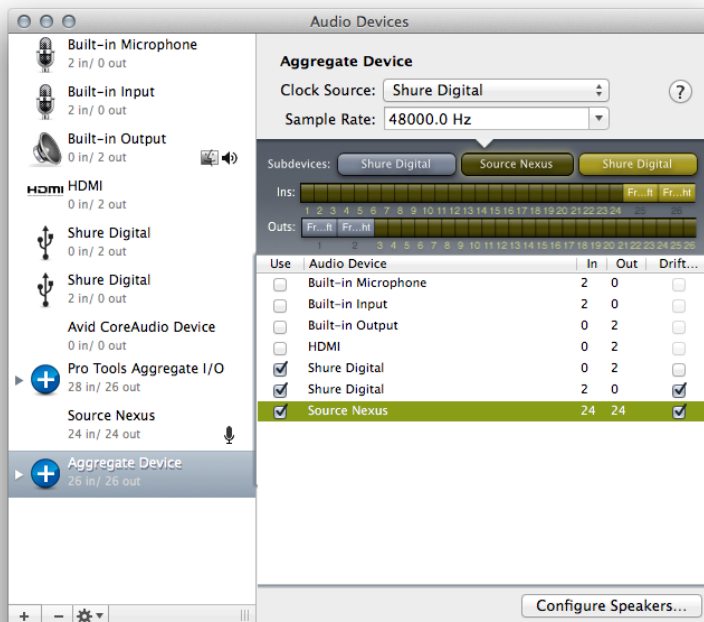
6.6 Using an Aggregate Device

While you should not set your System Preferences>Sound to use both input and output of Source-Nexus (you will get a feedback loop because System Preferences will channel 1 output to channel 1 input), if one application can set it's Audio Device you can use Source-Nexus directly, or make an Aggregate Device.

To make an Aggregate Device:

1. Open Audio Midi Setup under Applications/Utilities
2. Click on the + symbol at the bottom and choose Create Aggregate Device
3. Click on the audio devices you want to use

You can now choose this Aggregate Device as your Audio Driver, and access all of the 24 virtual channels of both Source-Nexus drivers.



6.7 Monitoring

Not all applications have a way to monitor an input. Use this great tool from Rogue Amoeba to monitor to what you are sending to Source-Nexus (note: only listens to channel 1 and 2).

Download Line In for Mac OSX:

<http://www.rogueamoeba.com/freebies>

7. Known issues:

As discussed in section 5, take care not to cause feedback by sending signal to the same channel. Read the above examples carefully.

Pro Tools 10 HD

If you experience a drift issue with Pro Tools 10 HD please try the following:

1. Remove the Avid Core Audio HAL plug-in from /Library/Audio/Plug-ins/HAL/AvidCoreAudio.plugin to see if this plug-in is somehow interfering with Source-Nexus.
2. Toggle the Pro Tools audio engine error suppression preference under Setup > Playback Engine... > Ignore Errors During Playback/Record. Test with this setting both enabled and disabled and see if there is any difference in the synchronization behavior.

8. Contact Support

Contact Source Elements for technical and general support:

Comprehensive documentation is available on our website. If your question is not answered please contact us via telephone, email or we can arrange communication over other methods such as Skype on request.

Online support:

<http://www.source-elements.com/support>

Online forum:

<http://source-elements.com/community>

Telephone:

Chicago: +1 312 706 5555

London: +44 (0)20 7193 8755

Sydney: +61 (02) 8005 5903

Telephone hours: 6am 6pm Central Time US (Chicago time).

After hours:

Please leave a message with your name and phone number and we will return your call as soon as possible. If we can't take your call immediately we call back at least the same day, if not earlier. We can also schedule an appointment for a convenient time for you.

Email:

Technical support: support@source-elements.com

Sales: sales@source-elements.com

General: info@source-elements.com

When emailing Support, please provide us with the information required to resolve the issue: for example, your Source-Connect login, computer type, host version, and as much detail about the problem you are having as possible. This will assist us in responding to you with relevant assistance more rapidly.

Mailing address:

Source Elements LLC 1222

Florence Ave

Evanston, Illinois 60202

United States