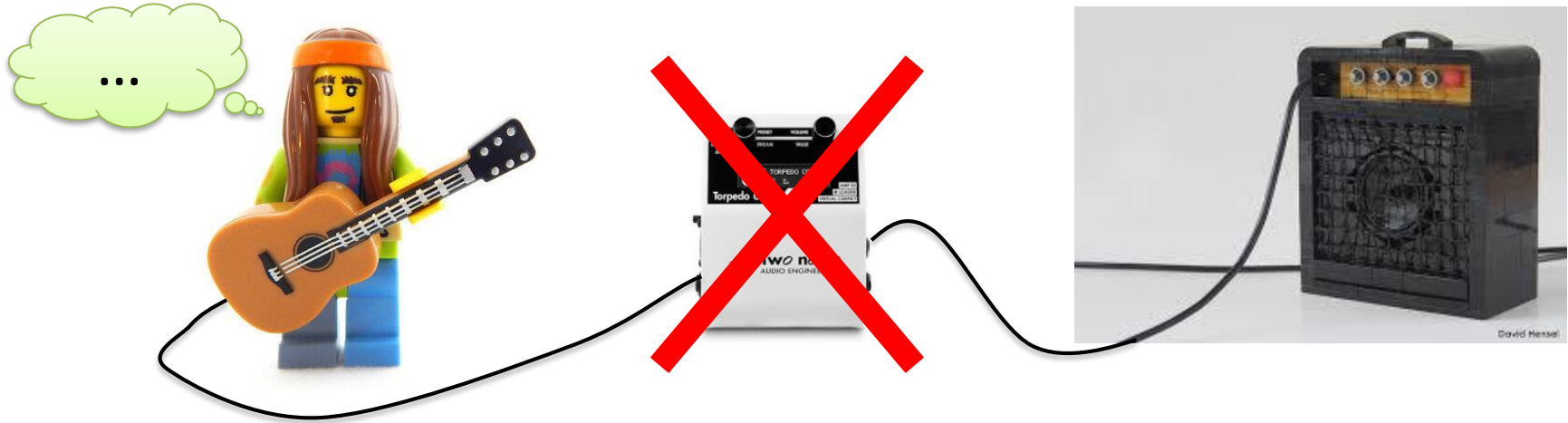
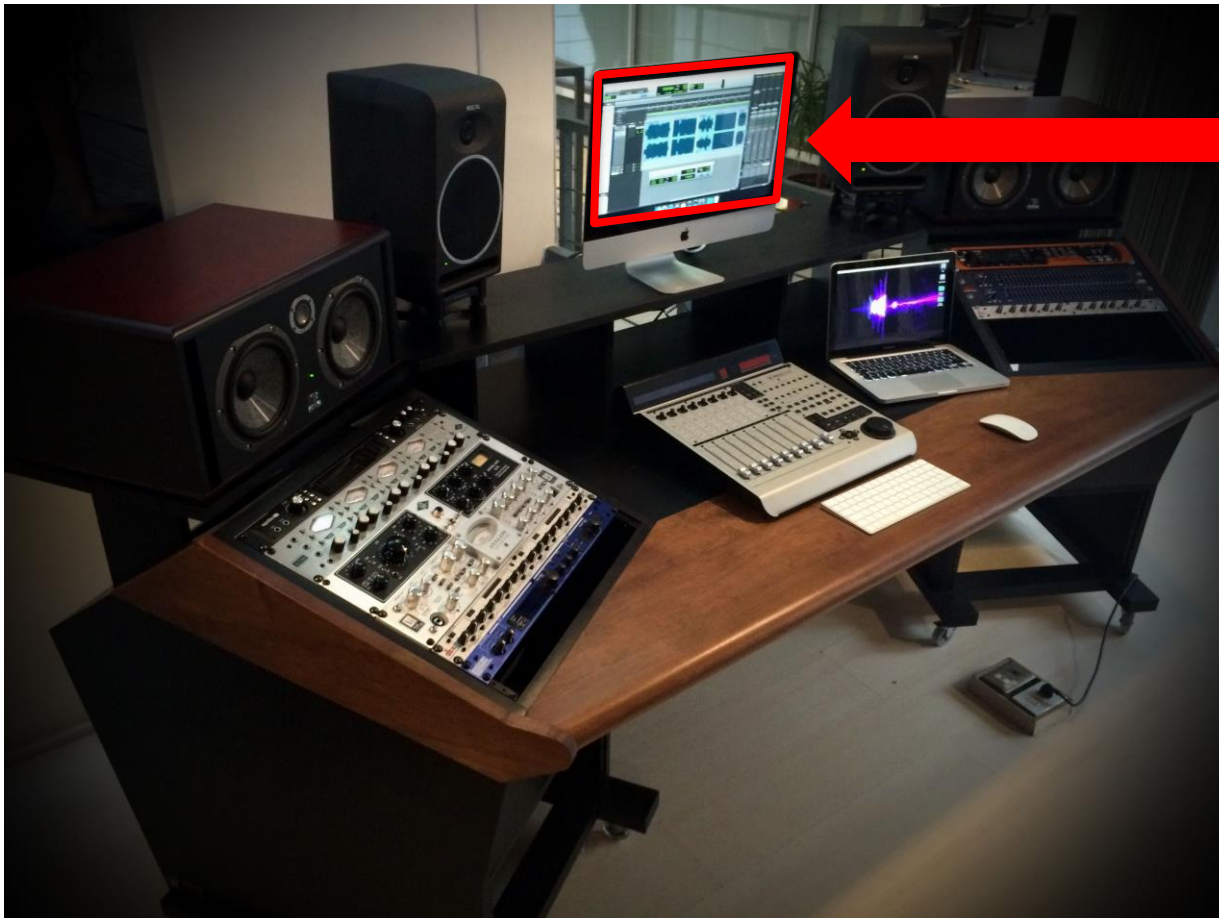


The following presentation is going to explain how to use your PC or MAC as the real time playback host for your IR, in case you don't own an IR loader pedal.



The basic idea is to use effects developed for digital audio recording software and your computer in place of that pedal.

Digital audio recording software is often referred to as a DAW, or digital audio workstation.



The DAW is the software  
Used for audio recordings

The effects you can load into a DAW are usually referred to as "plug-ins".

VST/AU Plugins can be:

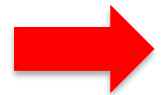
- Effects (like Reverb, Pitch shifter, Enhancers)
- Signal conditioning (EQ, compression)
- Virtual Instruments (Piano, Drums, Bass...)
- Virtual Amplifier (Tube amp modeling)
- Virtual Cabinet (ex: IR loader!!!)



In this tutorial a "plug-in host" will be used in place of a DAW to run and load your IR plug-in.

A plugin Host is like a virtual « pedalboard », on which you can put plugins as you would put pedals

Guitar signal  
incoming



Guitar signal  
outcoming

In this tutorial a "plug-in host" will be used in place of a DAW to run and load your IR plug-in.

A plugin Host is like a virtual « pedalboard », on which you can put plugins as you would put pedals

Guitar signal  
incoming



Guitar signal  
outcoming

The fundamental concepts to be explained include, installing, configuring and using an audio interface, a plug-in host program, and a IR convolver (sometimes called IR reverb, IR loader, IR cab loader etc.) plug-in

# How to use your computer as a IR host?

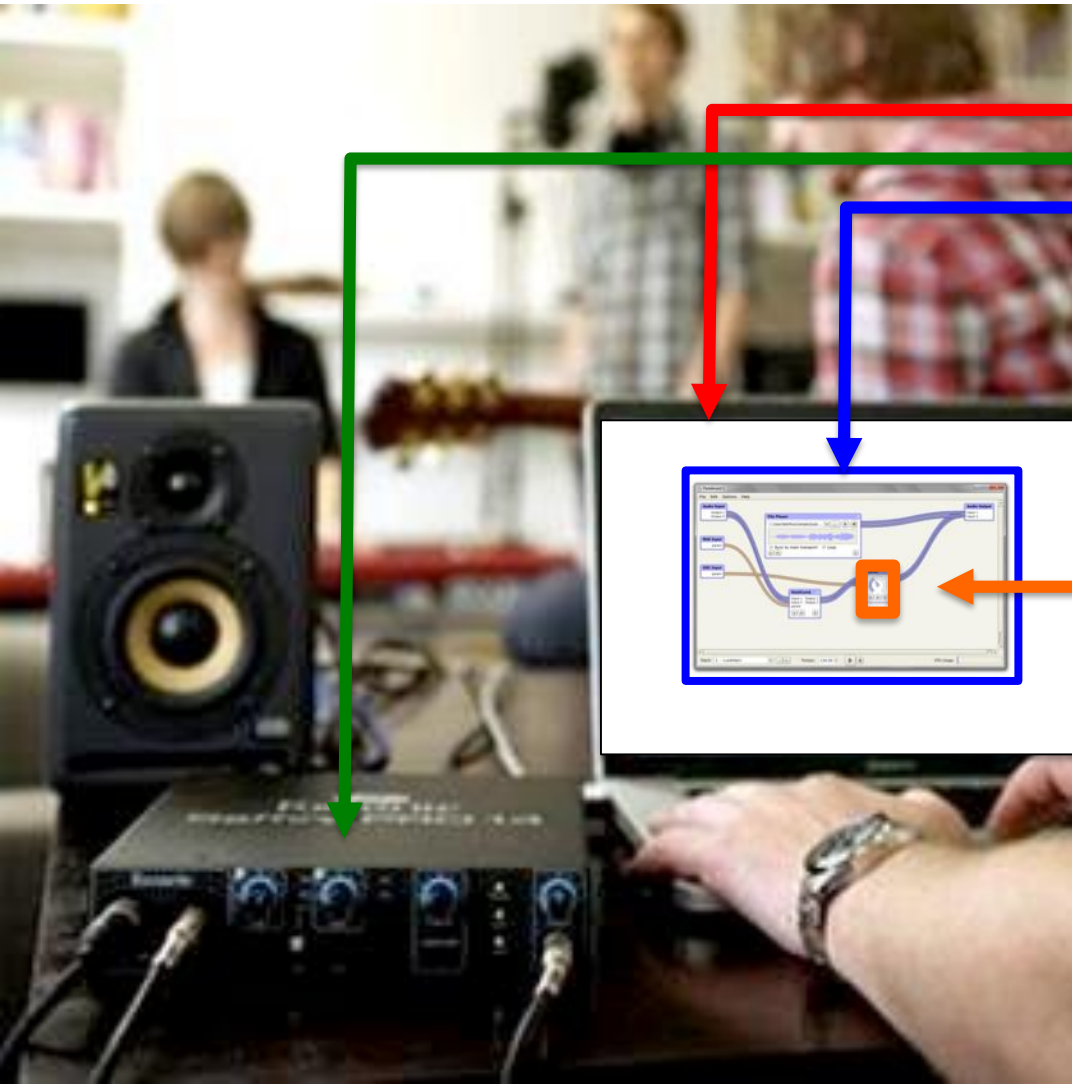
*If you don't have Apple Logic...*

You need:

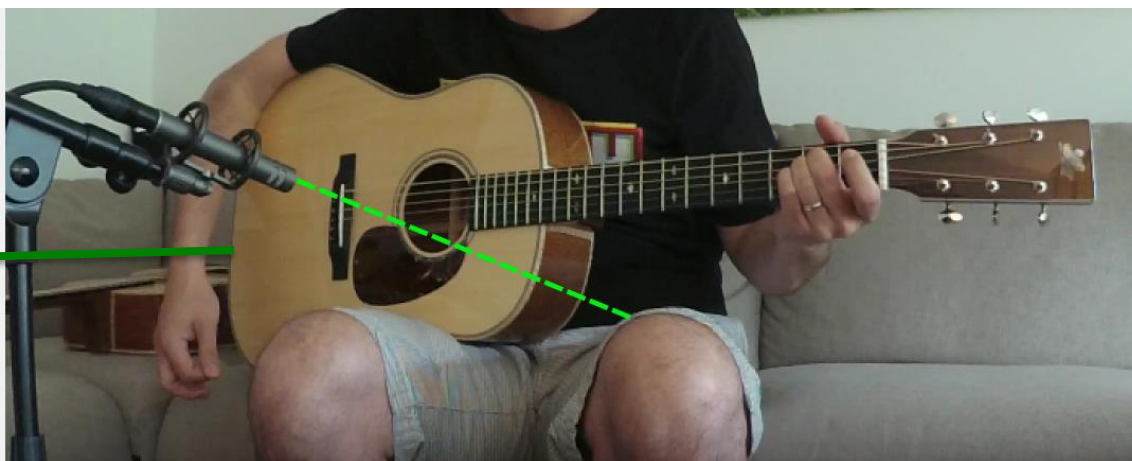
- 1) a computer (Mac/Win)
- 2) An audio interface
- 3) A VST/AU Plugin host
- 4) A IR VST/AU Plugin

*NB: The plugin host can host multiple plugins (Overdrive, Eqs, Modulations, delay... and of course IR). It can be controlled by midi.*

EXAMPLE of a guy using plugins LIVE:  
<https://www.youtube.com/watch?v=ejcNwZ4fdjw>



STEP 1: Get ready!  
Plug the guitar as shown.  
Raise the gain. It should go orange when strum hard



K&K

GREEN is GOOD

Direct Monitor should be turned full clockwise to « Playback » [or OFF on the focusrite 2i2]



Must be in INST position

## STEP 2: AER use





STEP 2(b):Headphones use



You need:  
1) a computer (Mac/Win)

## WARNING

When installing the software: set all gains & Volume to ZERO!!

SEE THE END OF THE DOCUMENT FOR MORE INFORMATION!

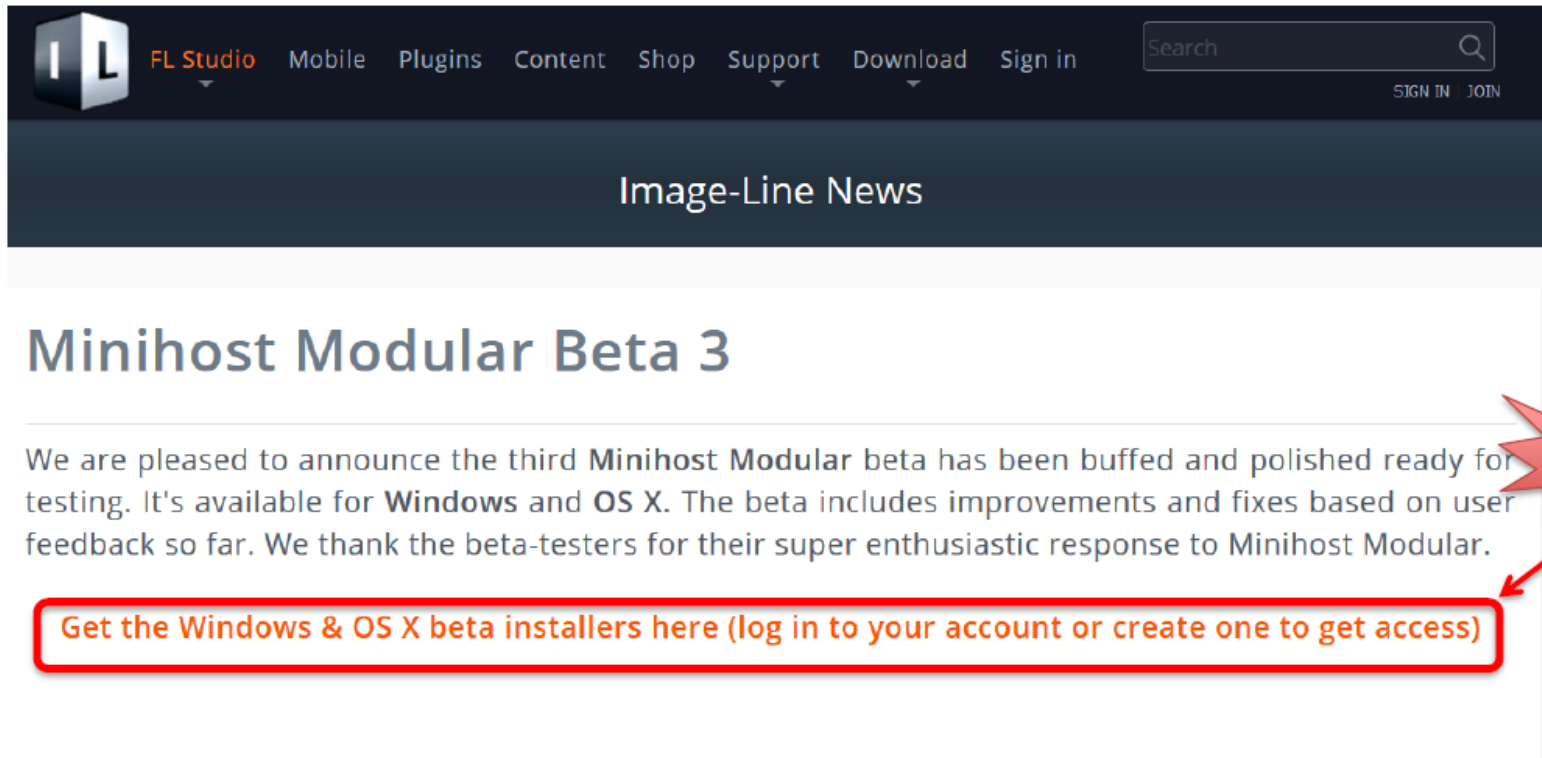


Apple OSX

How to use your IR with a computer  
A) INSTALL a PLUGIN HOST

Go to this website and download a plugin host

<https://www.image-line.com/documents/news.php?tag=minihost+modular>



The screenshot shows the top navigation bar of the Image-Line website with links for FL Studio, Mobile, Plugins, Content, Shop, Support, Download, and Sign in. A search bar is also present. Below the navigation bar, the page title "Image-Line News" is displayed. The main content area features a large heading "Minihost Modular Beta 3" followed by a paragraph of text. A red starburst graphic with the word "click" and an arrow points to a red-bordered button at the bottom of the text block.

FL Studio Mobile Plugins Content Shop Support Download Sign in Search SIGN IN JOIN

## Image-Line News

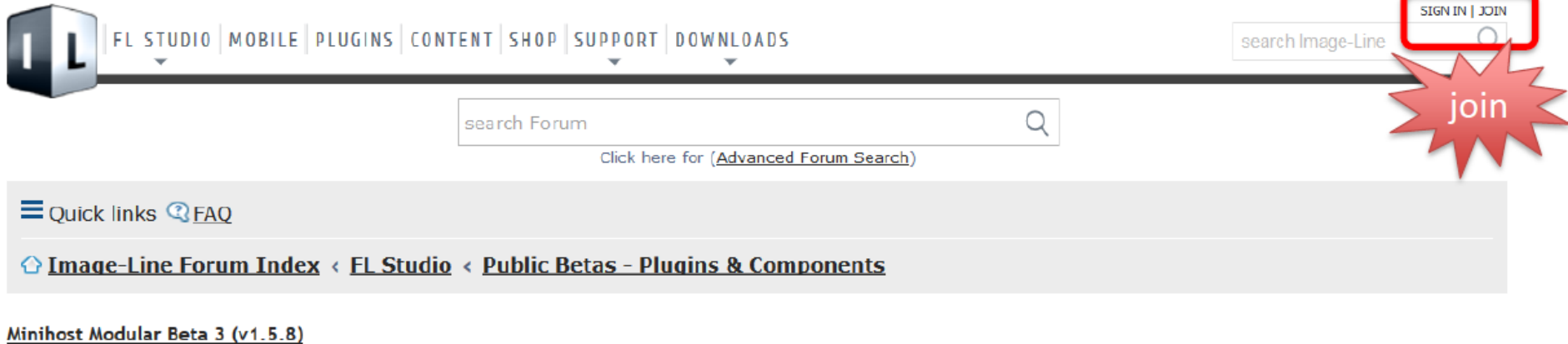
### Minihost Modular Beta 3

We are pleased to announce the third **Minihost Modular** beta has been buffed and polished ready for testing. It's available for **Windows** and **OS X**. The beta includes improvements and fixes based on user feedback so far. We thank the beta-testers for their super enthusiastic response to Minihost Modular.

[Get the Windows & OS X beta installers here \(log in to your account or create one to get access\)](#)

## B) INSTALL a IR PLUGIN

Create an account [join]



The screenshot shows the top navigation bar of the Image-Line forum. On the left is the Image-Line logo. The main navigation menu includes links for FL STUDIO, MOBILE, PLUGINS, CONTENT, SHOP, SUPPORT, and DOWNLOADS. On the right side of the header, there is a search box for 'Image-Line' and a 'SIGN IN | JOIN' button, which is highlighted with a red box. Below the main navigation is a 'search Forum' box with a magnifying glass icon and a link to '(Advanced Forum Search)'. A red starburst graphic with the word 'join' is overlaid on the right side of the page. Below the navigation bar, there is a 'Quick links' section with a link to 'FAQ'. The breadcrumb trail reads: 'Image-Line Forum Index < EL Studio < Public Betas - Plugins & Components'. At the bottom left, the version information 'Minihost Modular Beta 3 (v1.5.8)' is displayed.

FL STUDIO | MOBILE | PLUGINS | CONTENT | SHOP | SUPPORT | DOWNLOADS

search Image-Line

SIGN IN | JOIN

search Forum

Click here for [\(Advanced Forum Search\)](#)

Quick links [FAQ](#)

[Image-Line Forum Index](#) < [EL Studio](#) < [Public Betas - Plugins & Components](#)

Minihost Modular Beta 3 (v1.5.8)

## B) INSTALL a IR PLUGIN

Come back to the previous page, now the zip files name are in [blue](#): ready to download.

**Scott**  
Site Admin

Thu Mar 06, 2014  
9:50 pm



45 x

### Minihost Modular Beta 3 (v1.5.8)

This is the **beta** for **Minihost Modular** 32 and 64 Bit for **Windows** and **OS X**. The installer includes the 32 and 64 Bit VST/AU plugins and 32/64 Bit Standalone versions.

#### Get the WINDOWS installer here

📄 [minihost\\_1.5.8.zip](#)  
(34.68 MiB) Downloaded 37270 times

#### Get the OS X installer here

📄 [minihost\\_1.5.7.dmg](#)  
(48.81 MiB) Downloaded 14225 times

To open in 32 Bit mode: From the App Launcher use ctrl+left click then 'Get info' and set to 'Open in 32 bit mode'.

**Last updated 24-April-2014**

Then Go to this website and download IR host  
<http://audio.lernvall.com/>

If you are freaking out downloading from the net:  
just tell me & I will send you the softwares via  
Google Drive

The image shows a browser window with the address bar at [audio.lernvall.com](http://audio.lernvall.com). The page title is "Lernvall Audio" and the main heading is "LAConvolver Audio Unit Plug-in". Below the heading, it says "LAConvolver is an Audio Units plug-in for convolving the further development." There is a "PayPal Donate" button and a "Download here." link. A red arrow points from the "Download here." link to a larger screenshot of the download page.

The larger screenshot shows the download page for LAConvolver. The address bar is [download.cnet.com/LAConvolver/3000-2170\\_4-142315.html](http://download.cnet.com/LAConvolver/3000-2170_4-142315.html). The page has a "Download" button and a search bar. A warning box is visible: "PRODUITS PRÉSENTANT DES RISQUES DE PERTE EN disposant de connaissances spécifiques. L'effet de levier an l'investisseur. Commerzbank recommande a l'investisseur d l'émetteur, le risque de marché. Commerzbank attire l'attent variations de valeur considérables, pouvant aboutir dans ce la BAFIN ayant notifié un certificat d'approbation a l'Autorité définitives sont disponibles sur le site www.bourse.commerz". Below the warning, there is a breadcrumb trail: "Home > Mac Software > MP3 & Audio Software > Audio Production". The main heading is "LAConvolver fo". There is a "Download Now" button with a "Secure Download" label. A red arrow points from the "Download Now" button to the "Download here." link in the main screenshot.

1) to install the IR plugin, click on the finder:

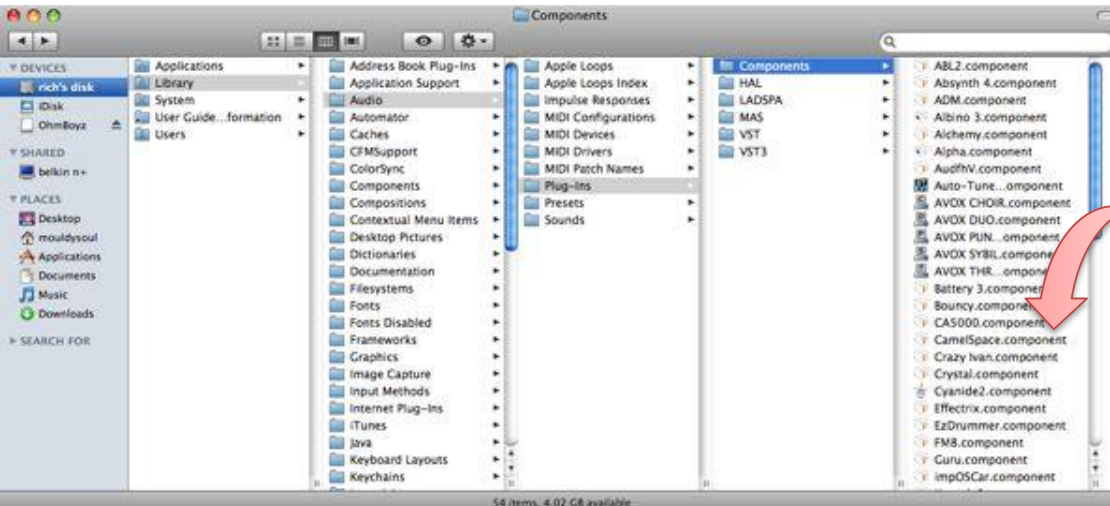
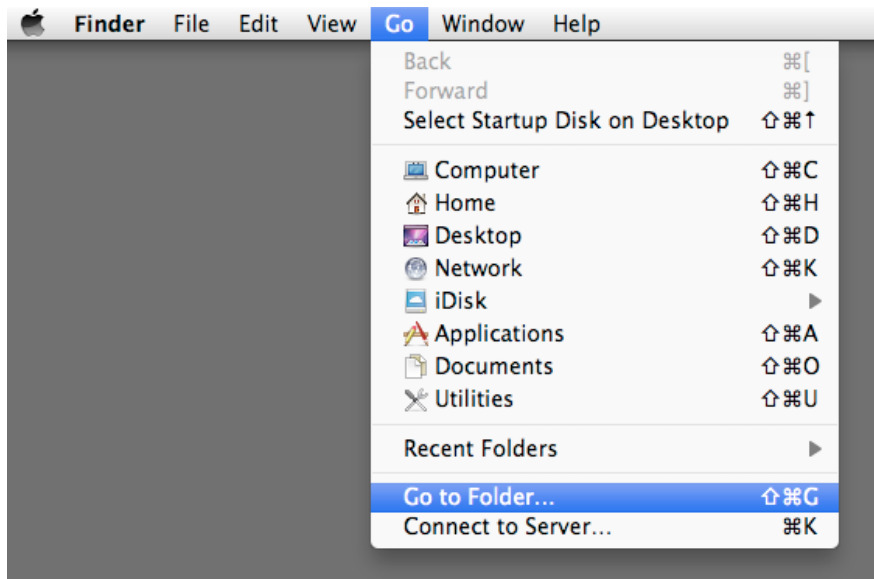


2) Click on go > Go to folder...

/Library/Audio/Plug-Ins/Components

3) Copy and paste the *LAConvolver.component* file there

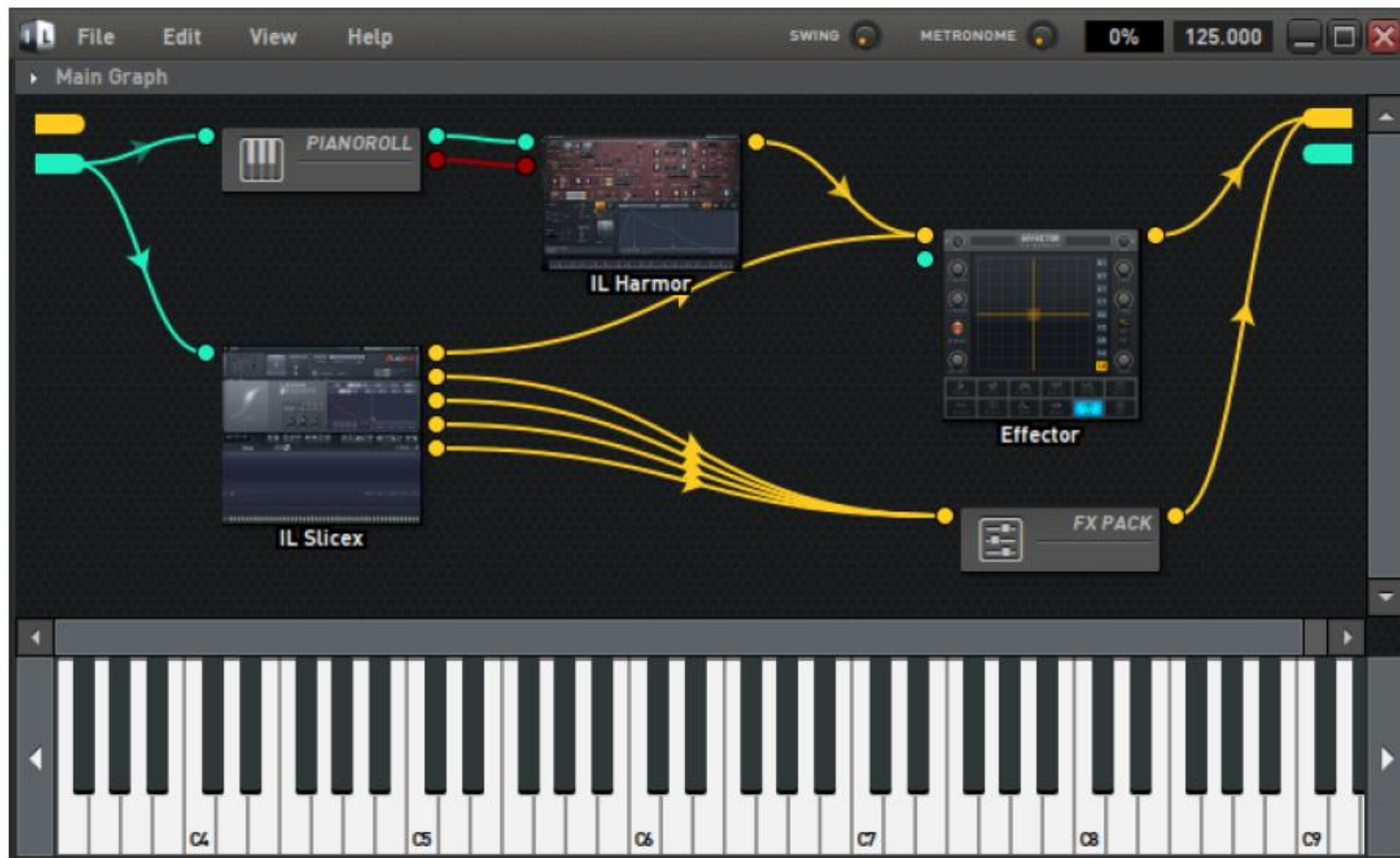
4) You may have to type your code



*LAConvolver.component*

Once downloaded: install

Launch it

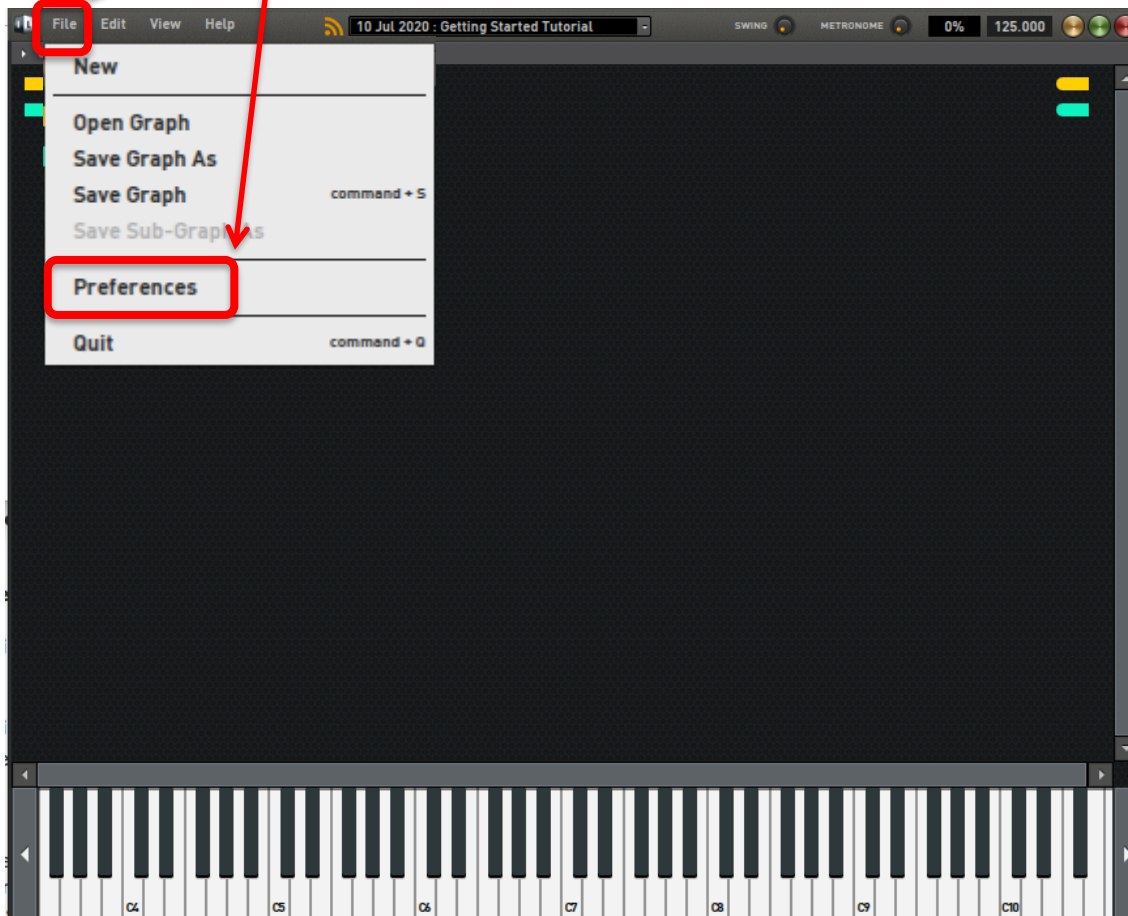




## C) LAUNCH IL minihost in your Applications



1) In order to set the audio interface to Scarlett 2i4,

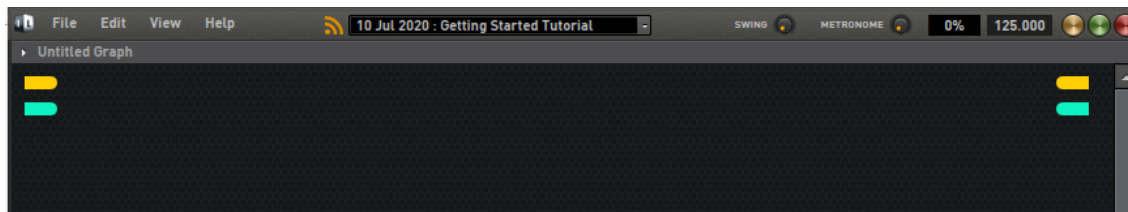


Clic: File > Preferences

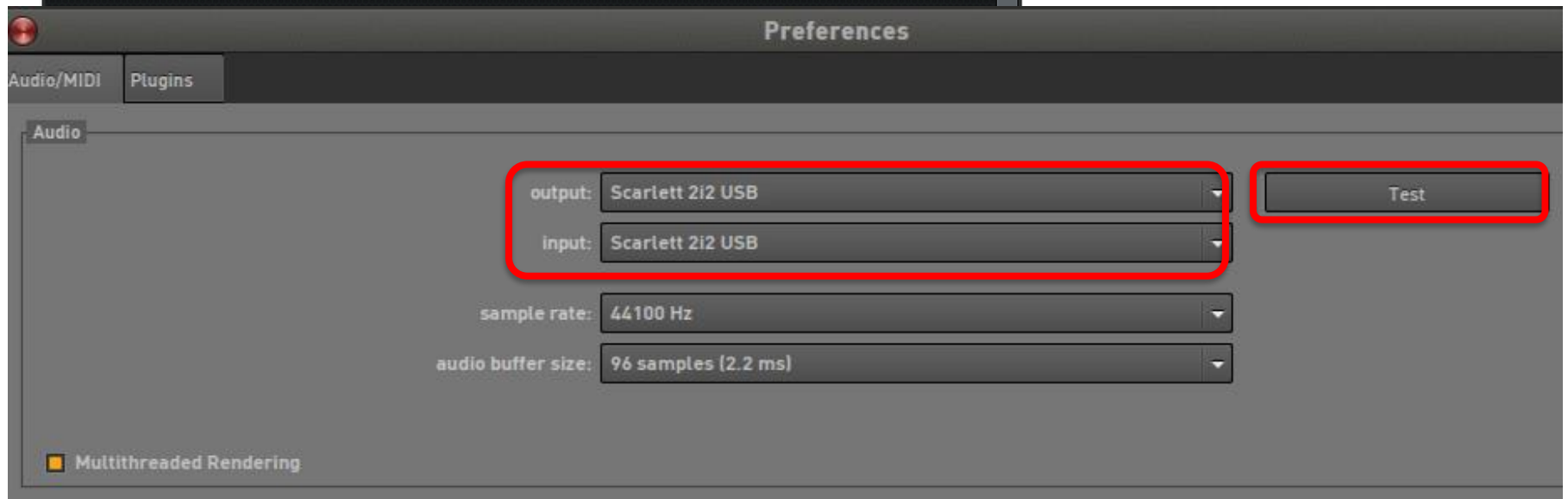
## C) LAUNCH IL minihost in your Applications



1) Set the audio interface to Scarlett 2i4



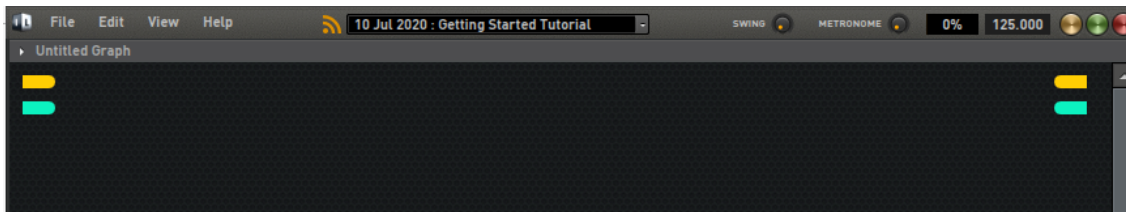
2) Test (be careful, loud bip!!!)



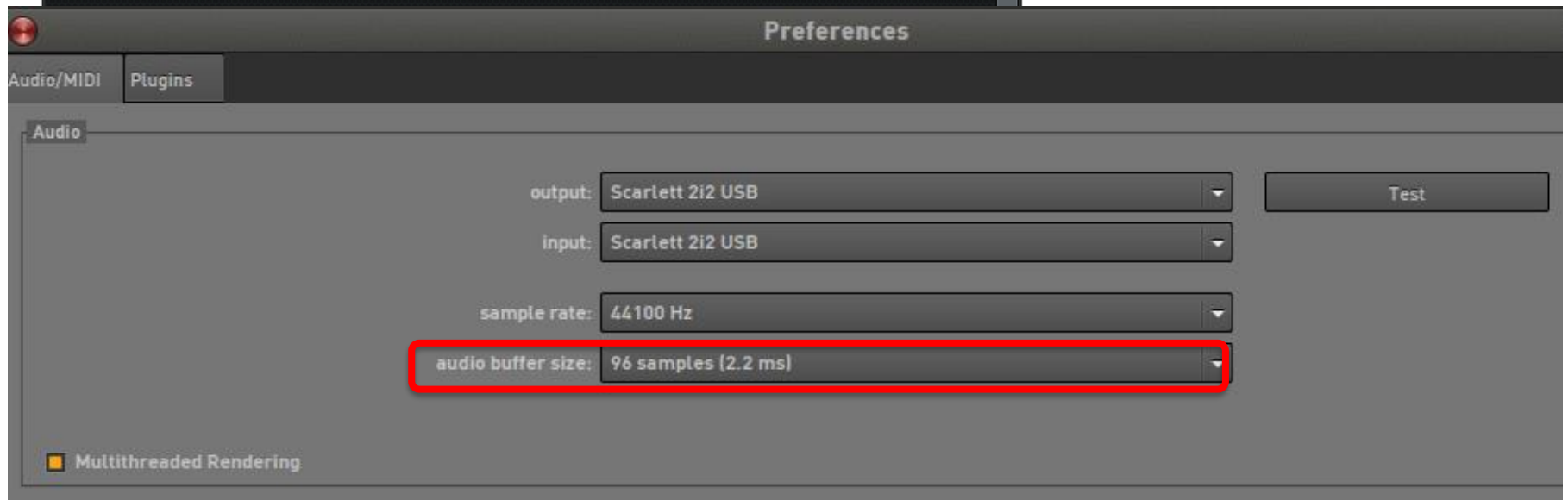
C) LAUNCH IL minihost in your Applications



3) Reduce the audio buffer size to around 2.2ms

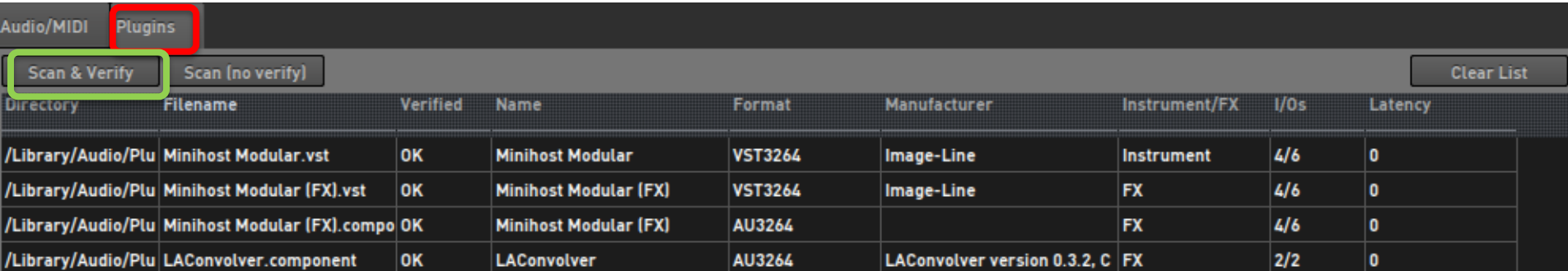


4) If you get « glitches » increase this value (and latency)



## D) Scan for installed plugins

1) Clic « Plugins »



Directory	Filename	Verified	Name	Format	Manufacturer	Instrument/FX	I/Os	Latency
/Library/Audio/Plu	Minihost Modular.vst	OK	Minihost Modular	VST3264	Image-Line	Instrument	4/6	0
/Library/Audio/Plu	Minihost Modular (FX).vst	OK	Minihost Modular (FX)	VST3264	Image-Line	FX	4/6	0
/Library/Audio/Plu	Minihost Modular (FX).compo	OK	Minihost Modular (FX)	AU3264		FX	4/6	0
/Library/Audio/Plu	LAConvolver.component	OK	LAConvolver	AU3264	LAConvolver version 0.3.2, C	FX	2/2	0

2) Clic « Scan & Verify », see LA convolver appear

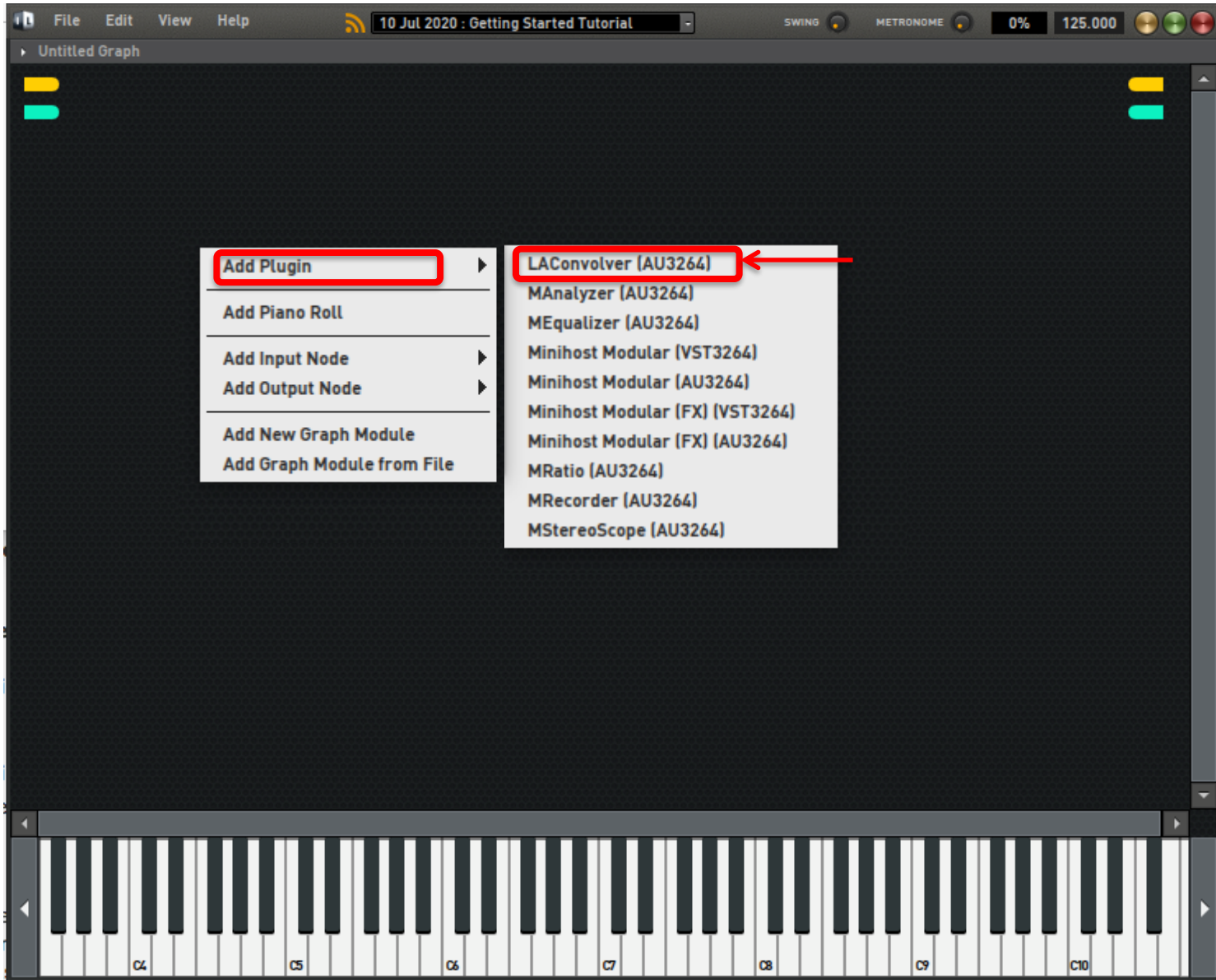
## E) Setup your pedalboard



1) Right clic on the background

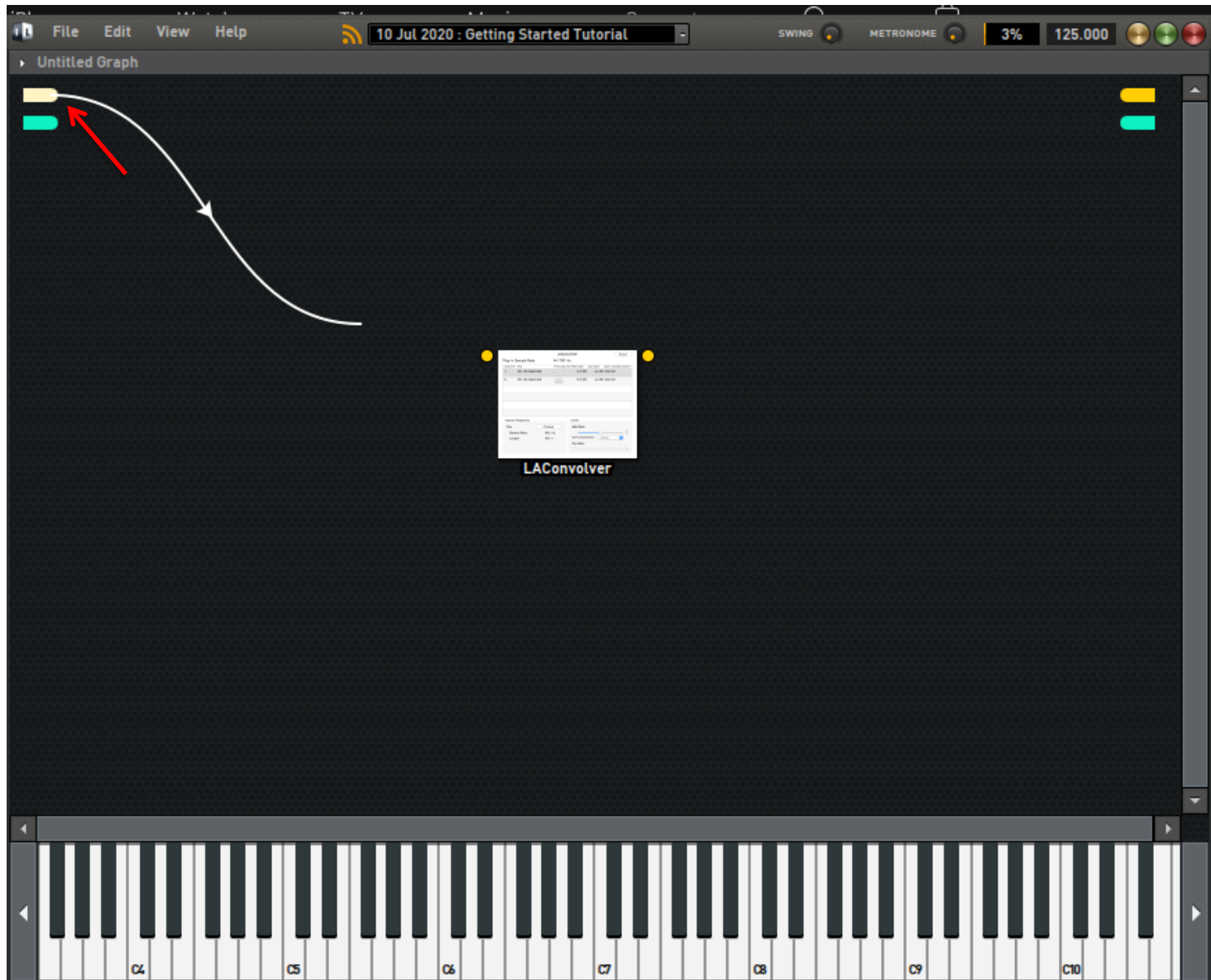
E) Setup your pedalboard

2) Choose LAConvolver (MAC)  
or NadIR Convolver (MAC/WIN)

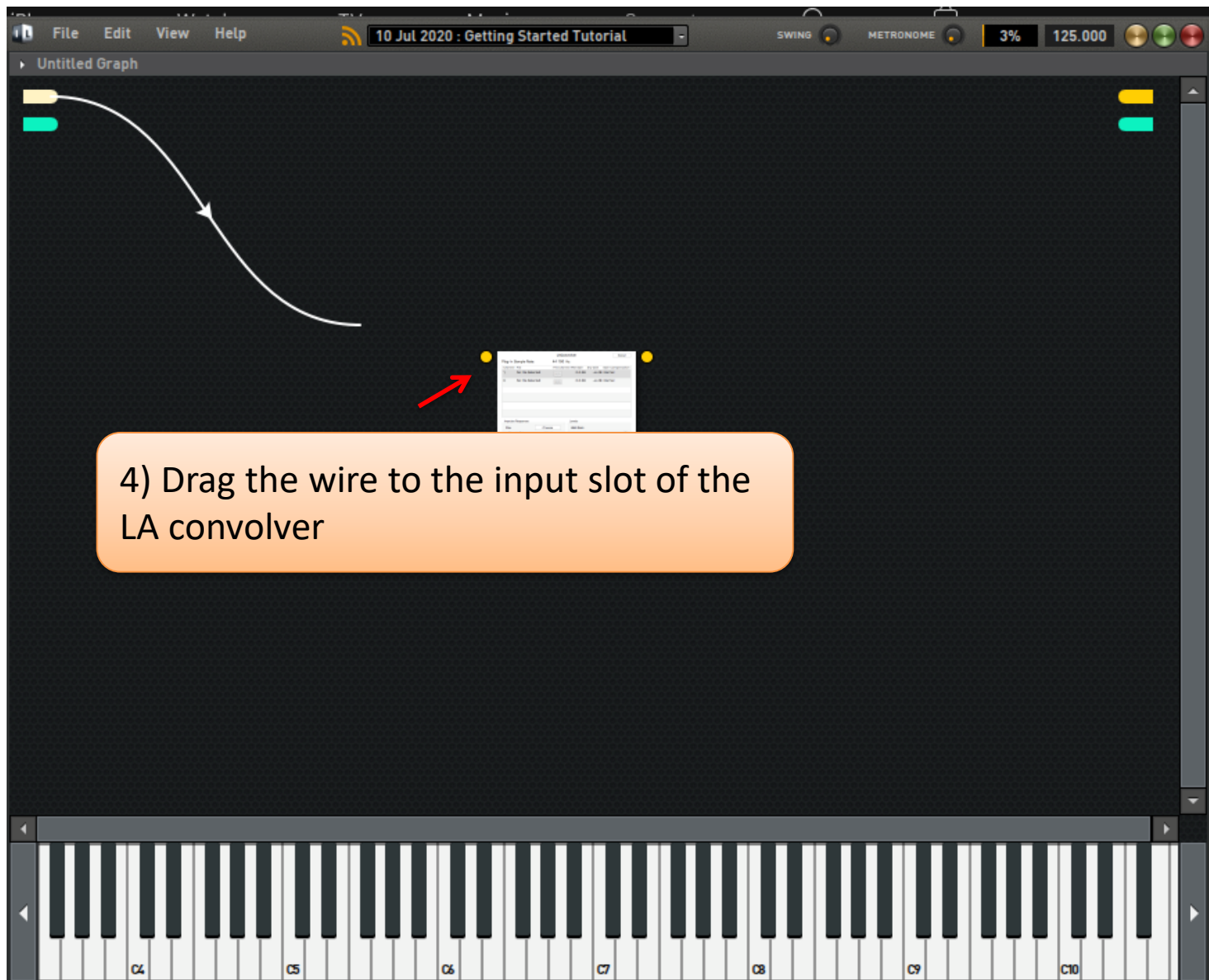


E) Setup your pedalboard

3) Click, hold and Drag from this little slot to draw a wire.



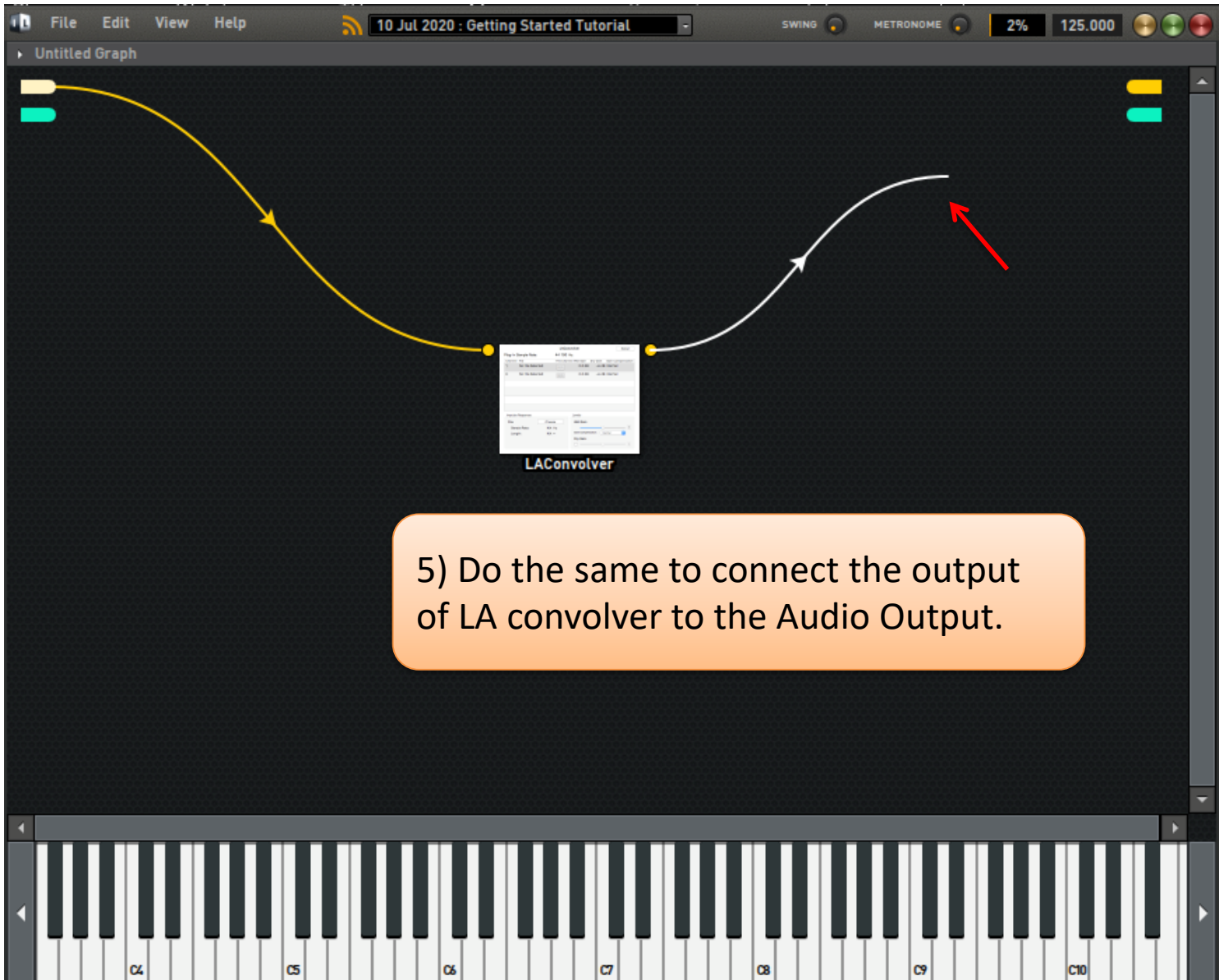
## E) Setup your pedalboard



4) Drag the wire to the input slot of the LA convolver



## E) Setup your pedalboard



5) Do the same to connect the output of LA convolver to the Audio Output.

## F) Setup your IR host

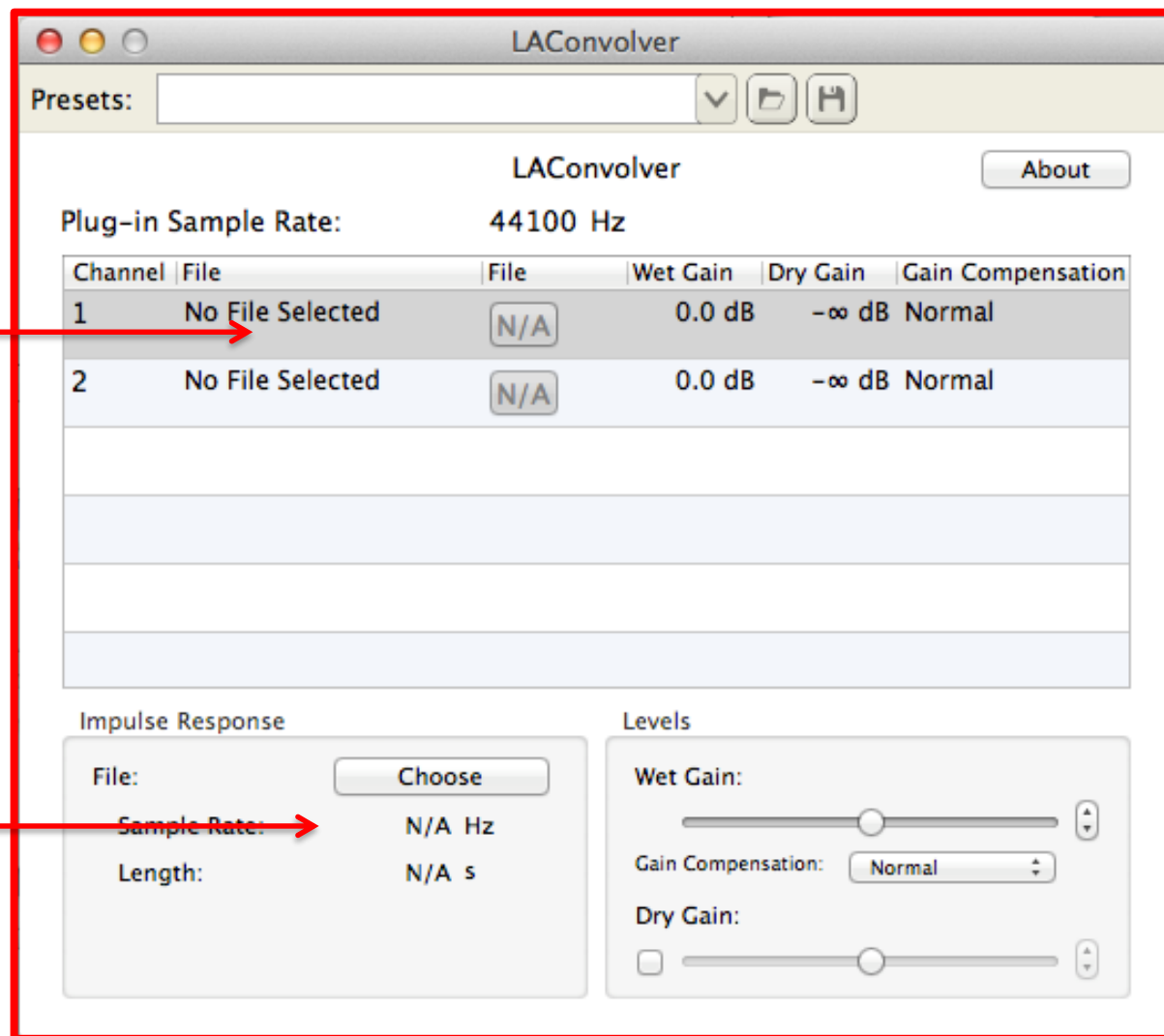


1) Double Click to setup your IR host

## F) Setup your IR host

2) Clic on channel 1

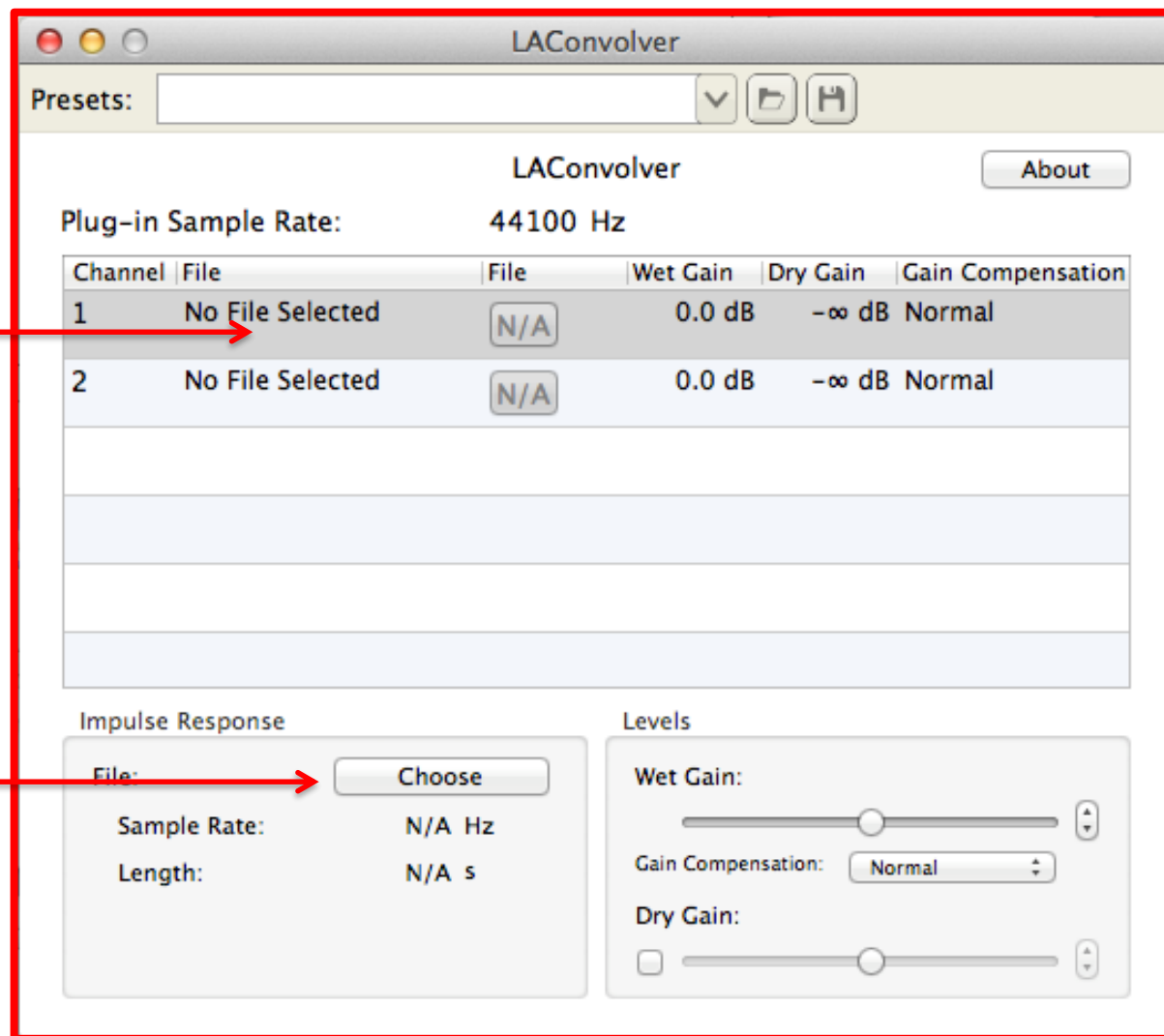
3) Clic on « Choose »



## F) Setup your IR host

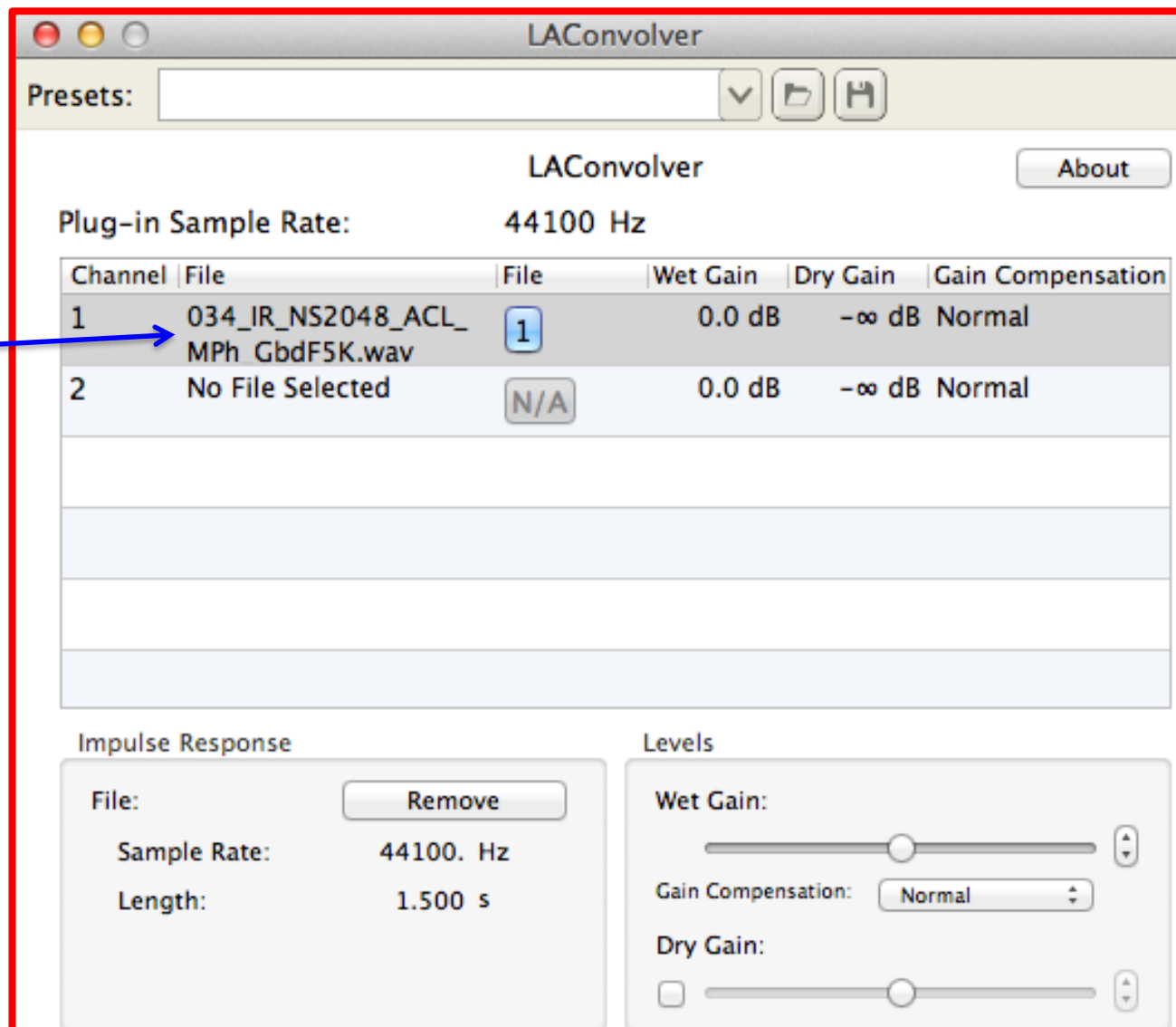
2) Clic on channel 1

3) Clic on « Choose »  
And choose your « IR file »



## F) Setup your IR host

My IR file is loaded!



The screenshot shows the LAConvolver software interface. At the top, there is a "Presets:" dropdown menu and a "Preset" button. Below that, the "LAConvolver" title bar is visible, along with an "About" button. The "Plug-in Sample Rate:" is set to "44100 Hz".

Channel	File	File	Wet Gain	Dry Gain	Gain Compensation
1	034_IR_NS2048_ACL_MPh_GbdF5K.wav	1	0.0 dB	-∞ dB	Normal
2	No File Selected	N/A	0.0 dB	-∞ dB	Normal

Below the table, there are two sections: "Impulse Response" and "Levels".

**Impulse Response:**

- File: [Remove]
- Sample Rate: 44100. Hz
- Length: 1.500 s

**Levels:**

- Wet Gain: [Slider]
- Gain Compensation: Normal
- Dry Gain: [Slider]

WARNING: Gain/Volume- You don't want to kill your ears!!



When installing the software: set all gains & Volume to ZERO!!

When everything is OK computer wise.

- 1) Raise your gain so it is green when playing
- 2) Raise your Headphone volume

**WARNING: Gain/Volume- You don't want to a HUGE Howling Feedback!!**



When installing the software: set all gains & Volume to ZERO!!



When everything is OK computer wise.

- 1) Raise your focusrite gain so it is green when playing
- 2) Raise the focusrite Monitor volume to a « conservative » position. The focusrite output is hotter than a guitar.
- 3) AER: Set the button to LINE (red arrow). Raise the gain to a « conservative position » 9 o clock.
- 4) Raise your AER Master volume carefully