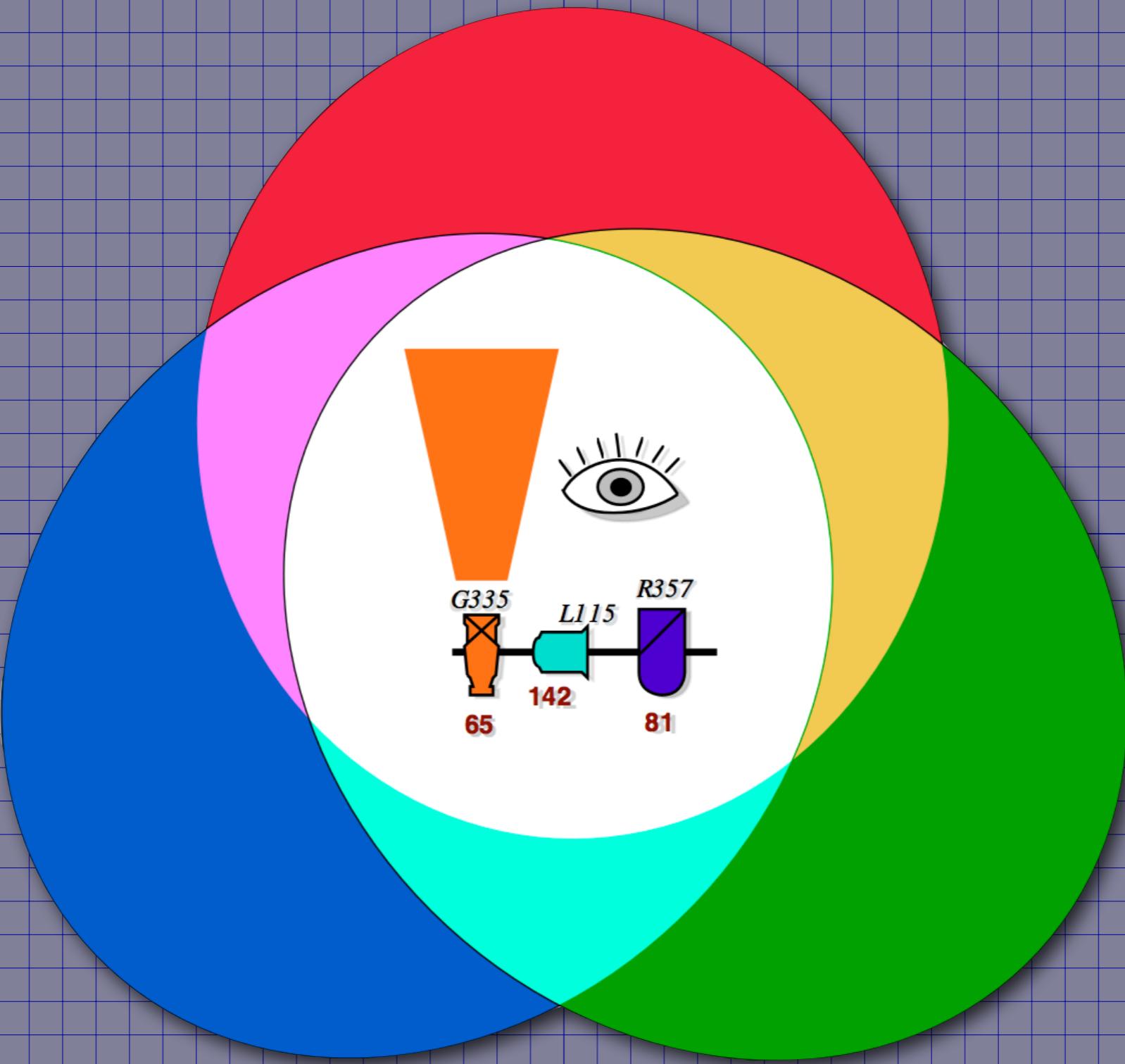


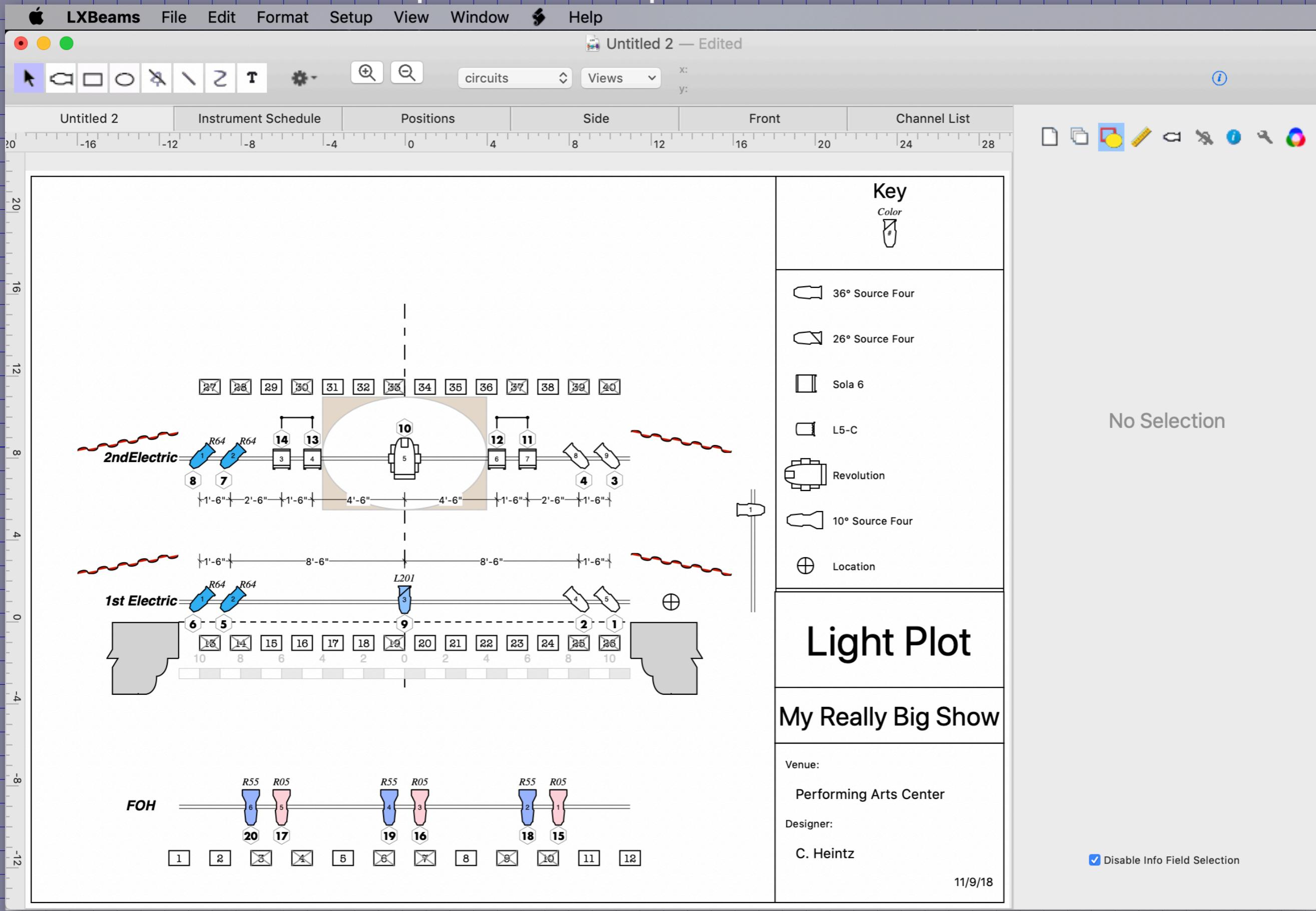
Working With EOS



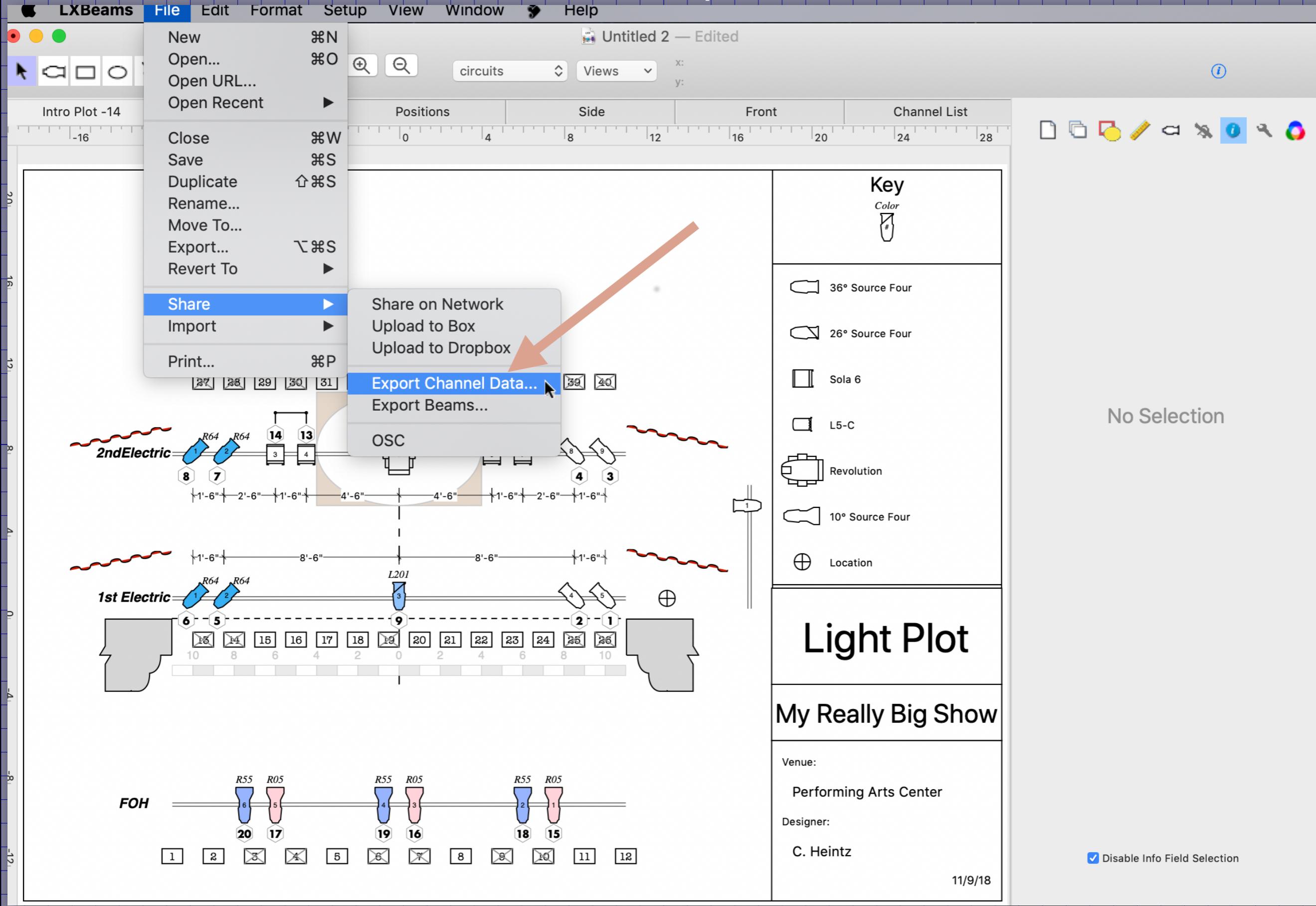
IATSE 728 Workshop 2020

©2020

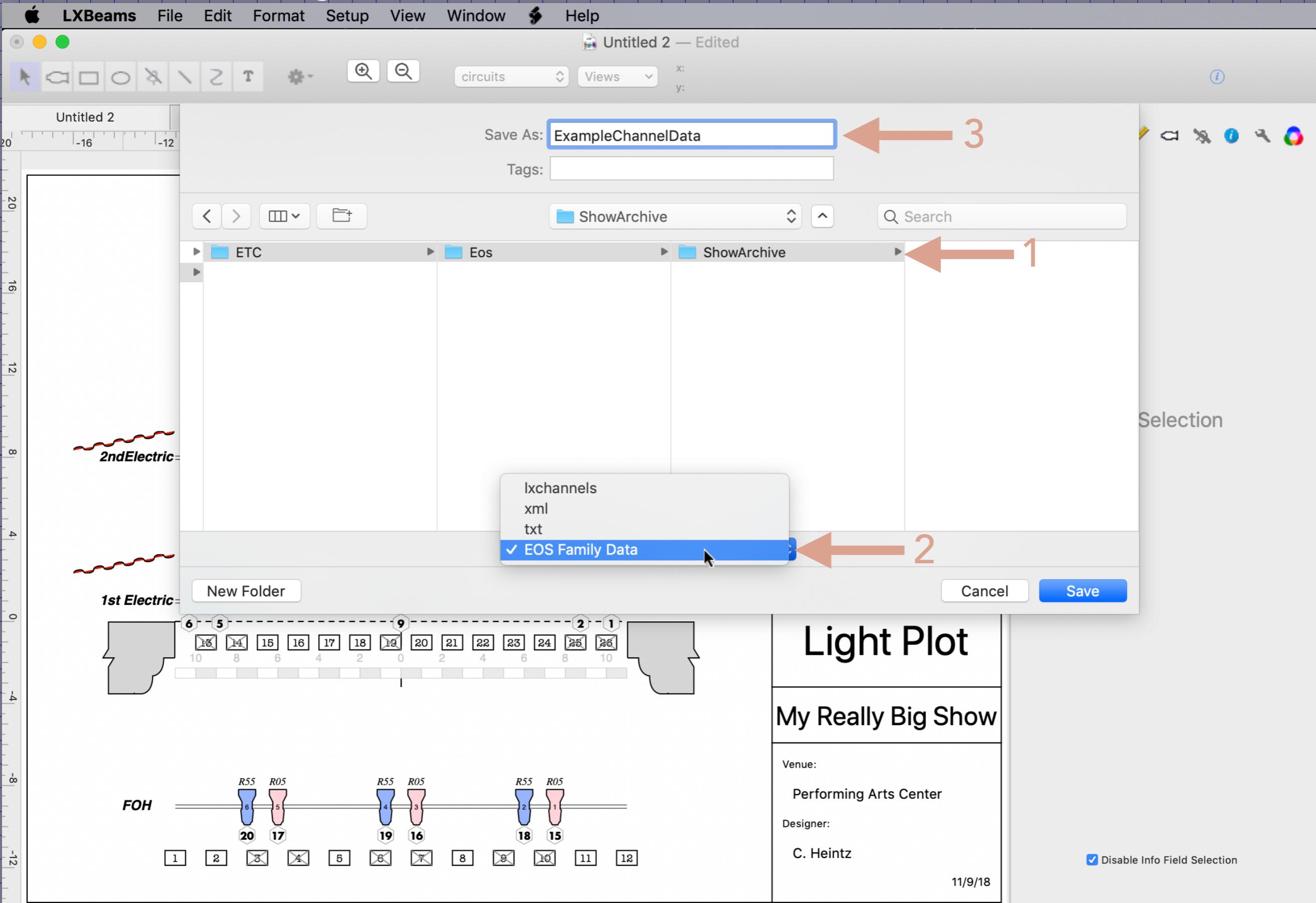
Open the first plot we created.



Choose File → Share → Export Channel Data...



Navigate to Documents/ETC/Eos>ShowArchive.



Choose EOS Family Data from the popup at the bottom of the export sheet.

The screenshot shows a web browser window for Safari on a Mac OS X system. The URL in the address bar is www.etccconnect.com/Search-Documentation.aspx. The page title is "Search Documentation". The header includes the ETC logo, navigation links for PRODUCTS, SUPPORT & TRAINING, ABOUT ETC, MYETC, and CAREERS, and language/region settings for North America | English and Find A Dealer.

The main content area is titled "Search Documentation". It features a search form with fields for "Keyword" (containing "Eos ETNomad"), "Type" (Document Type), "Product Line" (All Product Lines), and "Product" (All Products). A "Search" button is present. Below the form, the text "Sort By: Date | A - Z" is displayed. Two orange arrows point from the "Keyword" field to the search results. The first arrow points to the top result, "Eos ETNomad MAC Software v2.8.2", which is described as Software | N/A, 03-2019 | English. The second arrow points to the second result, "Eos ETNomad MAC Software v2.8.1", also described as Software | N/A, 02-2019 | English.

Home > Support

Search Documentation

Keyword  Eos ETNomad

Type Document Type

Product Line All Product Lines

Product All Products

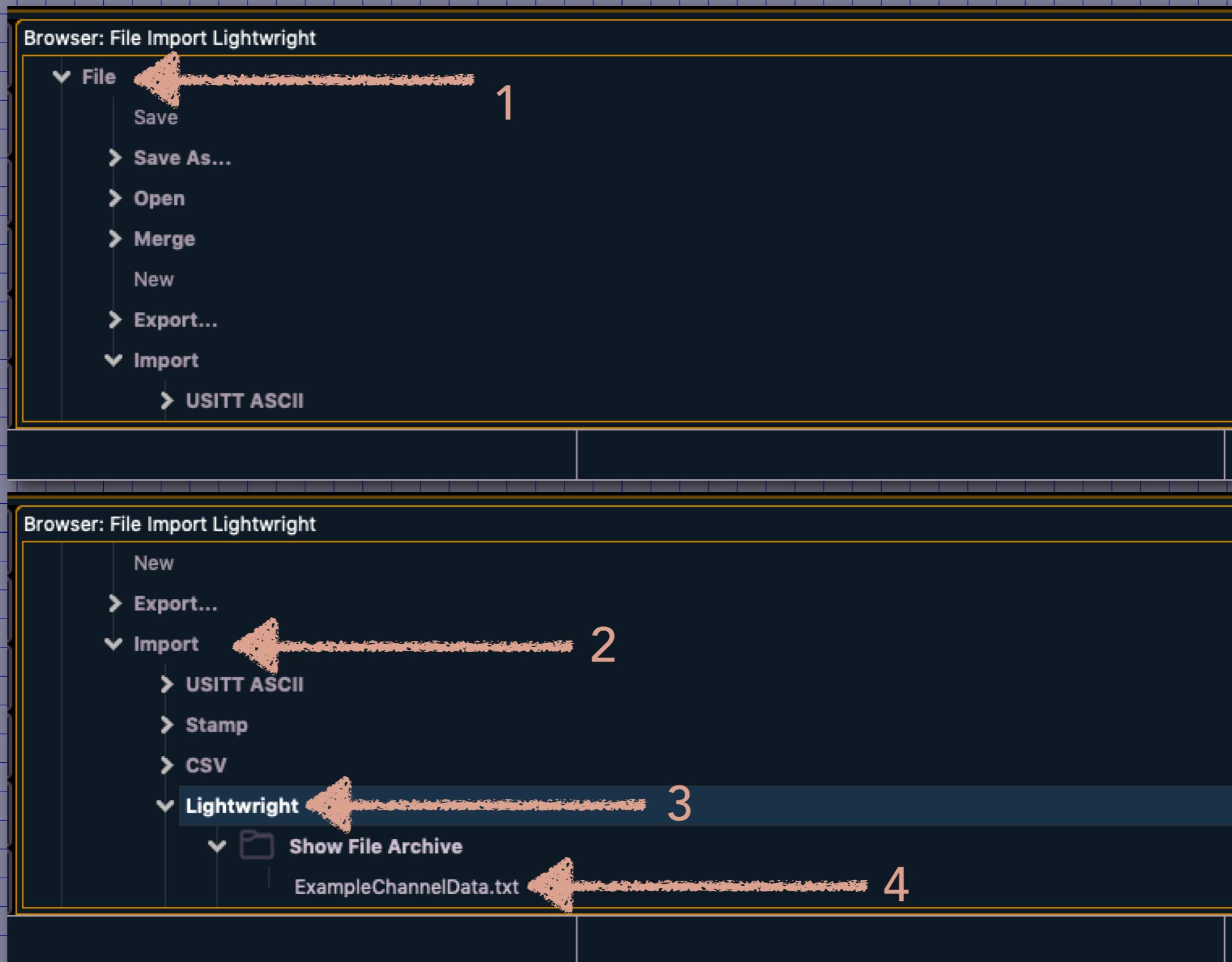
Search

Sort By: Date | A - Z

 **Eos ETNomad MAC Software v2.8.2**
Software | N/A, 03-2019 | English

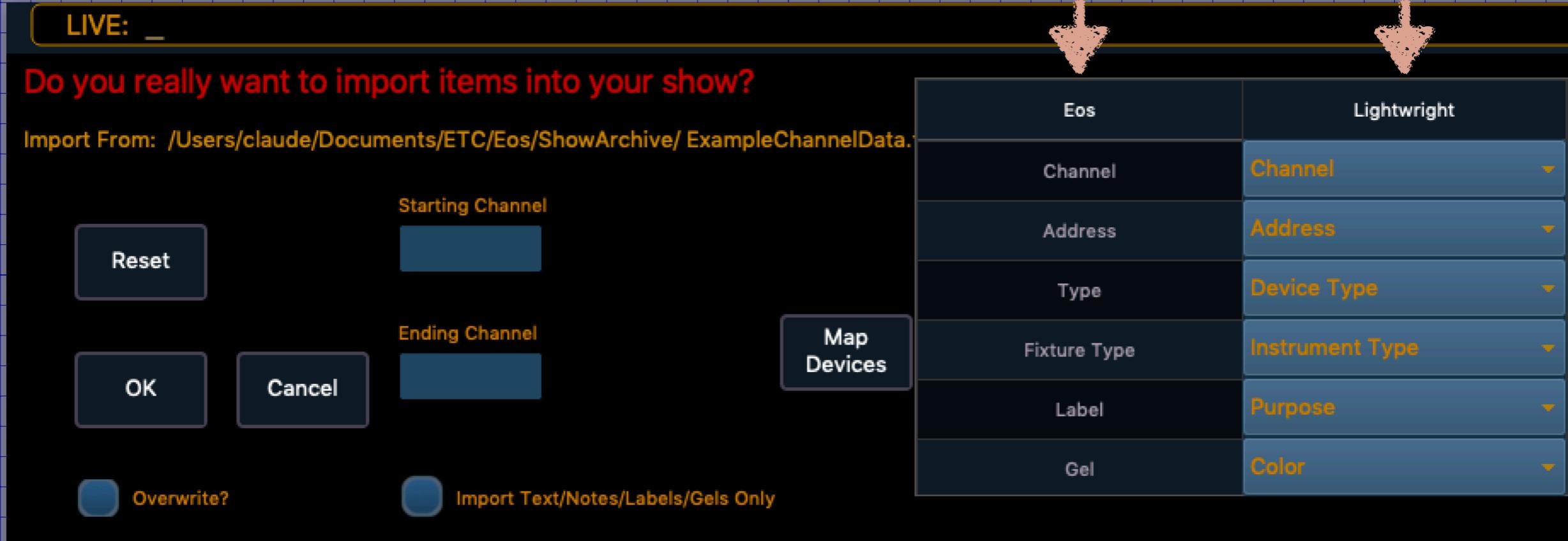
Eos ETNomad MAC Software v2.8.1
Software | N/A, 02-2019 | English

In EOS Family open File in the Browser.



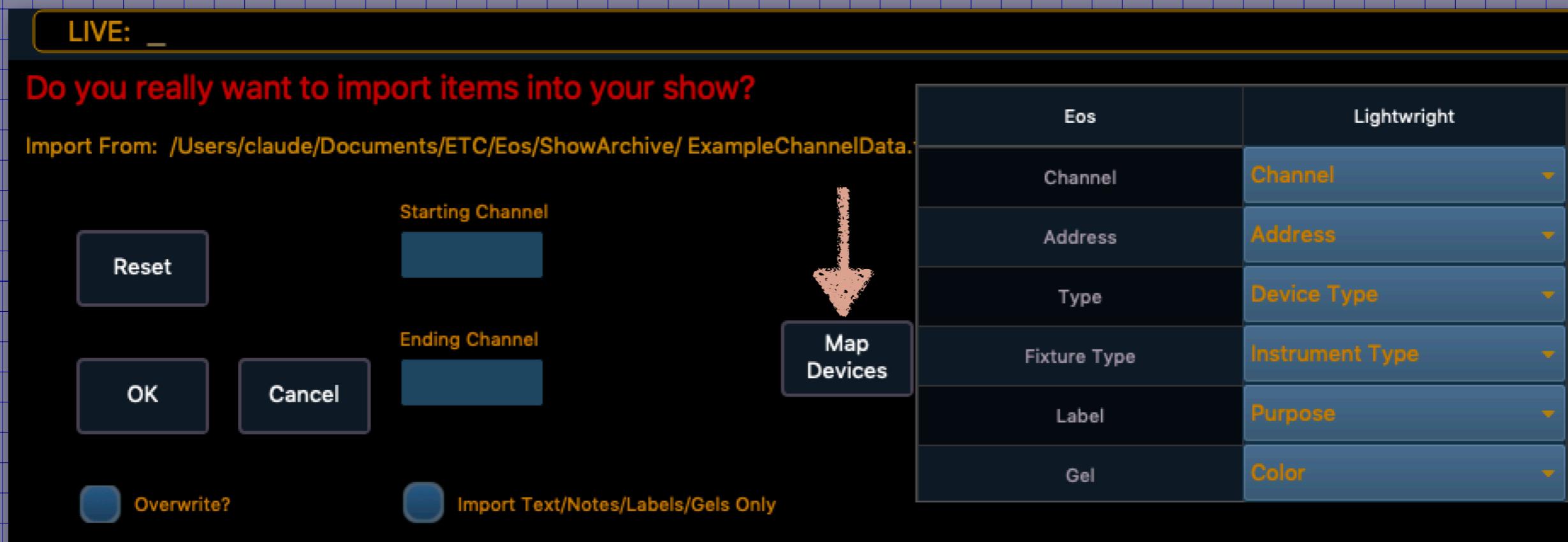
Then, File > Import > Lightwright
And double-click ExampleChannelData.txt

You will want to match the Eos fields
with the tab delimited txt file's fields.



If they are not already like this, use the popups to match the fields as shown.

Click the Map Devices button



This process matches the types in the exported txt
To fixtures in the Eos software



Click “26° Source Four” in the first column.
Navigate to and expand Generic in the second column.
Navigate to and expand Dimmer under Generic.
Click Generic>Dimmer>Dimmer.
Click Link Devices.

You repeat this process for each type in the left column
As you link devices, they are removed from the list
and appear in the Mapping column.

Lightwright	Eos	Mapping	Link Devices	Unlink Devices
36° Source Four ETC 410 ETC 426 ETC 436 Litepanels Sola 6 Revolution Sola 6 SourceFour Revolution	▶ Gecko Technology ▼ Generic Back Light Backstage Blue Beam Light Chandelier CMY Scroller Dimmer Cyc Flood ▼ Dimmer Dimmer Dimmer 16B ▶ Dual Scroller Dimmer Effect Projector	Other 10° Source Four -> Dimmer 26° Source Four -> Dimmer		

Click “36° Source Four” in the first column.
Navigate to and expand Generic in the second column.
Navigate to and expand Dimmer under Generic.
Click Generic>Dimmer>Dimmer.
Click Link Devices.

Keep going for all the types that use a dimmer.



Lightwright	Eos	Mapping	Link Devices	Unlink Devices
Litepanels Sola 6	▶ Gekko Technology	Other		
Revolution	▼ Generic	10° Source Four -> Dimmer		
Sola 6	Back Light	26° Source Four -> Dimmer		
SourceFour Revolution	Backstage Blue	36° Source Four -> Dimmer		
	Beam Light	ETC 410 -> Dimmer		
	Chandelier	ETC 426 -> Dimmer		
	CMY Scroller Dimmer	ETC 436 -> Dimmer		
	Cyc Flood			
	▼ Dimmer			
	Dimmer			
	Dimmer 16B			
	▶ Dual Scroller Dimmer			
	Effect Projector			

Keep selecting and linking the types in the Lightwright column until all the fixture names using a dimmer are linked in the Mapping column.

Next link the two types listed for Sola 6.

The screenshot shows a software interface for managing lighting devices. The interface is divided into three main columns: 'Lightwright' (left), 'Eos' (middle), and 'Mapping' (right). A search bar and various control icons are at the top right.

Lightwright Column:

- Selected device: Litepanels Sola 6
- Other listed devices: Revolution, Sola 6, SourceFour Revolution

Eos Column:

- Selected device: Litecraft AP
- Expanded category: Litepanels
 - 1X1 Bicolor
 - 1X1 Bifocus
 - 1X1 Mono
- Other listed devices: Gemini, Hilio, Inca 12, Inca 4, Inca 6, Sola 12, Sola 4, Sola 6

Mapping Column:

- Category: Other
 - 10° Source Four -> Dimmer
 - 26° Source Four -> Dimmer
 - 36° Source Four -> Dimmer
 - ETC 410 -> Dimmer
 - ETC 426 -> Dimmer
 - ETC 436 -> Dimmer

Control Buttons:

- Link Devices (green arrow)
- Unlink Devices (grey arrow)

Click "Litepanels Sola 6" in the first column.

Navigate to and expand Litepanels in the second column.

Click Litepanels>Sola 6.

Click Link Devices.

Also pair Sola 6 with Litepanels > Sola 6.

The screenshot shows a software interface for managing lighting fixtures. At the top, there's a search bar and some navigation icons. Below is a table with three columns: 'Lightwright', 'Eos', and 'Mapping'. A large orange arrow points from the 'Lightwright' column towards the 'Eos' column. Another orange arrow points from the 'Eos' column towards the 'Mapping' column. The 'Lightwright' column lists 'Revolution' and 'SourceFour Revolution'. The 'Eos' column lists various fixtures under 'Litecraft AP' and 'Litepanels', including '1X1 Bicolor', '1X1 Bifocus', '1X1 Mono', 'Gemini', 'Hilio', 'Inca 12', 'Inca 4', 'Inca 6', 'Sola 12', 'Sola 4', and 'Sola 6'. The 'Mapping' column contains a list of mappings: 'Other', '10° Source Four -> Dimmer', '26° Source Four -> Dimmer', '36° Source Four -> Dimmer', 'ETC 410 -> Dimmer', 'ETC 426 -> Dimmer', 'ETC 436 -> Dimmer', 'Litepanels Sola 6 -> Sola 6', and 'Sola 6 -> Sola 6'. The last two items in the 'Mapping' column are highlighted with a yellow background.

Lightwright	Eos	Mapping	Link Devices	Unlink Devices
Revolution SourceFour Revolution	▶ Litecraft AP ▼ Litepanels 1X1 Bicolor 1X1 Bifocus 1X1 Mono ▶ Gemini Hilio Inca 12 Inca 4 Inca 6 Sola 12 Sola 4 Sola 6	Other 10° Source Four -> Dimmer 26° Source Four -> Dimmer 36° Source Four -> Dimmer ETC 410 -> Dimmer ETC 426 -> Dimmer ETC 436 -> Dimmer Litepanels Sola 6 -> Sola 6 Sola 6 -> Sola 6		

After you have linked the two Sola 6 types, they are moved to the Mapping Column.

Finally, pair "Revolution" and "SourceFour Revolution".



Lightwright	Eos	Mapping	Link Devices	Unlink Devices
Revolution SourceFour Revolution	▶ Elite ▶ elumen8 ▶ Enttec ▶ ETC Arch ▶ ETC Dimming ▼ ETC Fixtures ▶ ColorSource Cyc ▶ ColorSource Linear 1 ▶ ColorSource Linear 2 ▶ ColorSource Linear 4 ▶ ColorSource Linear DB 1 ▶ ColorSource Linear DB 2 ▶ ColorSource Linear DB 4	Other 10° Source Four -> Dimmer 26° Source Four -> Dimmer 36° Source Four -> Dimmer ETC 410 -> Dimmer ETC 426 -> Dimmer ETC 436 -> Dimmer Litepanels Sola 6 -> Sola 6 Sola 6 -> Sola 6		

Locate "ETC Fixtures" in the middle list and click the row to expand.



Lightwright	Eos	Mapping	Link Devices	Unlink Devices
Revolution SourceFour Revolution	Revolution RWM/SM Wybron Revolution RWM/SWM Wybron Revolution SWM/BM Wybron Revolution SWM/IM Wybron Revolution SWM/RWM Wybron Revolution SWM/SM Wybron Revolution SWM/SWM Wybron Revolution Wybron ▶ S4 LED DLght ▶ S4 LED Lustr+ ▶ S4 LED S2 DLght ▶ S4 LED S2 Lustr ▶ S4 LED S2 Tungs	Other 10° Source Four -> Dimmer 26° Source Four -> Dimmer 36° Source Four -> Dimmer ETC 410 -> Dimmer ETC 426 -> Dimmer ETC 436 -> Dimmer Litepanels Sola 6 -> Sola 6 Sola 6 -> Sola 6		

Scroll down; locate Revolution Wybron; expand that; select Revolution Wybron.
Select Revolution in the left column. Click Link Devices.

When all the types are mapped, Click Done.

Click OK.

LIVE: _

Do you really want to import items into your show?

Import From: /Users/claudie/Documents/ETC/Eos>ShowArchive/ ExampleChannelData.

Starting Channel: []

Ending Channel: []

OK Cancel

Overwrite [] Import Text/Notes/Labels/Gels Only []

1

2

Lightwright	Eos	Mapping	Link Devices	Unlink Devices
	Revolution RWM/SM Wybron			
	Revolution RWM/SWM Wybron			
	Revolution SWM/BM Wybron			
	Revolution SWM/IM Wybron			
	Revolution SWM/RWM Wybron			
	Revolution SWM/SM Wybron			
	Revolution SWM/SWM Wybron			
	Revolution Wybron	Other		
	▶ S4 LED DLght	10° Source Four -> Dimmer		
	▶ S4 LED Lustr+	26° Source Four -> Dimmer		
	▶ S4 LED S2 DLght	36° Source Four -> Dimmer		
	▶ S4 LED S2 Lustr	ETC 410 -> Dimmer		
	▶ S4 LED S2 Tungs	ETC 426 -> Dimmer		
		ETC 436 -> Dimmer		
		Litpanels Sola 6 -> Sola 6		
		Revolution -> Revolution Wybron		
		Sola 6 -> Sola 6		
		SourceFour Revolution -> Revolution Wybron		

The Patch screen shows the imported channel/address/types.

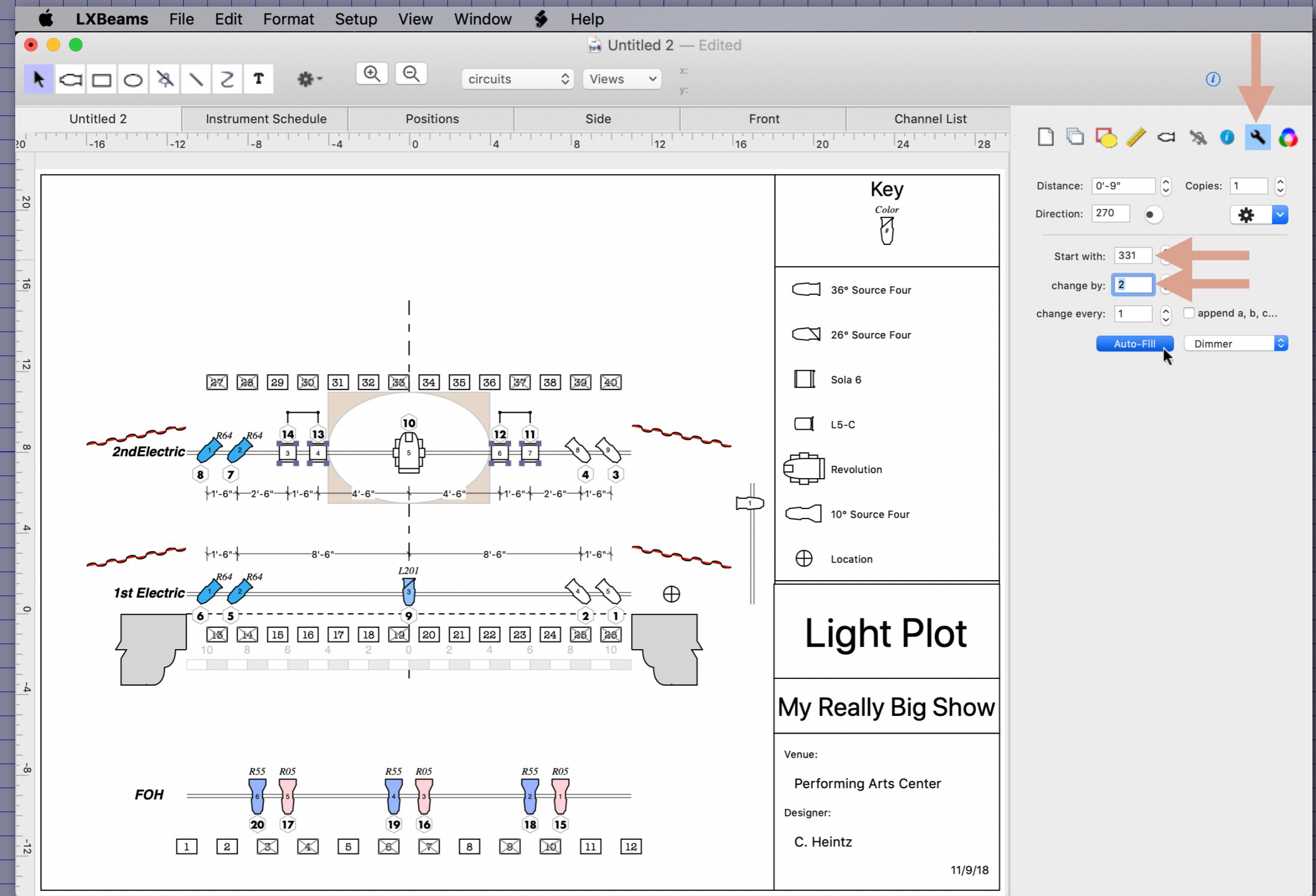


The screenshot shows the Eos Family software interface with the title "Eos Family" at the top. Below the title, there are tabs for "BLIND", "1", "2", and "3". On the right side, it says "(untitled)". The main area is titled "Interface" and contains a table with the following columns: Chan, Address, Type, Label, sA..., ED..., DMX, AV..., ART..., and Output. The table has 15 rows, each representing a channel. Rows 1 through 10 have addresses starting from 1/26. Row 10 is labeled "Revolutio..." and spans from address 1/300 to 330. Rows 11 through 15 have addresses starting from 1/10. The "Type" column shows mostly "Dimmer" entries, with "Revolutio..." being a notable exception. The "Output" column shows values from 0 to 15. A large orange arrow points to the first row of the table.

Chan	Address	Type	Label	sA...	ED...	DMX	AV...	ART...	Output
1	1/26	Dimmer				*			0
2	1/25	Dimmer				*			0
3	1/40	Dimmer				*			0
4	1/39	Dimmer				*			0
5	1/14	Dimmer				*			0
6	1/13	Dimmer				*			0
7	1/28	Dimmer				*			0
8	1/27	Dimmer				*			0
9	1/19	Dimmer				*			0
10	1/300-330	Revolutio...				*			0
11		Sola 6							
12	1/360-361	Sola 6				*			0
13	1/390-391	Sola 6				*			0
14	1/420-421	Sola 6				*			0
15	1/10	Dimmer				*			0

Note that the revolution takes 31 DMX addresses and that has bumped channel 11 (competing for address 330).

The addressing can easily be fixed with auto-fill.



In the Tools tab, set "Starts with" to 331 and "change by" to 2.

Hold down the shift key and select the 4 Sola fixtures in order.

LXBeams File Edit Format Setup View Window Help

Untitled 2 — Edited

circuits Views x: y:

Instrument Schedule Positions Side Front Channel List

Untitled 2 -16 -8 0 4 8 12 16 20 24 28

20
16
12
8
4
0
-4
-8
-12

Key Color #

36° Source Four

26° Source Four

Sola 6

L5-C

Revolution

10° Source Four

Location

Distance: 0'-9" Copies: 1

Direction: 270

Start with: 331

change by: 2

change every: 1 append a, b, c...

Auto-Fill

Dimmer

Light Plot

My Really Big Show

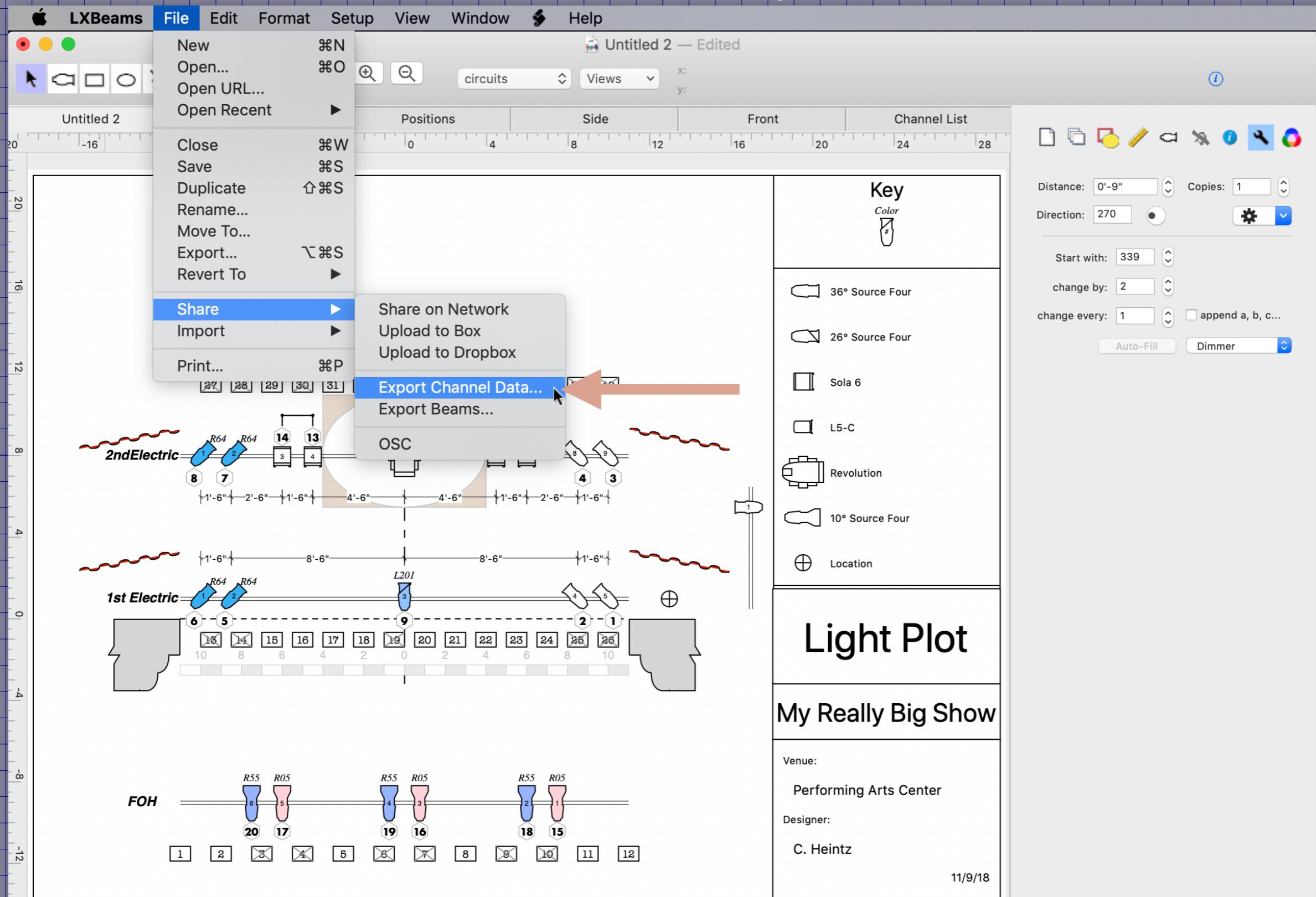
Venue:
Performing Arts Center

Designer:
C. Heintz

11/9/18

Click Auto-Fill

Make sure that the symbols are **not** selected
when you choose File→Share→Export Channel Data...

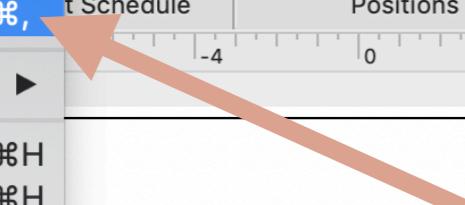


If there are selected symbols, only the channels for those symbols are exported.

Choose LXBeams → Preferences.

LXBeams File Edit Format Setup View Window Help

About LXBeams Licensed to... Install Extras

Preferences... 

Services

Hide LXBeams ⌘H Hide Others ⌘H Show All

Quit LXBeams ⌘Q

Untitled 2 — Edited

circuits Views x: y:

Schedule Positions Side Front Channel List

20 0 4 8 12 16 20 24 28

20 16 12 8 4 0 -4 -8 -12

Key Color #

36° Source Four

26° Source Four

Sola 6

L5-C

Revolution

10° Source Four

Location

Distance: 0'-9" Copies: 1

Direction: 270

Start with: 339

change by: 2

change every: 1 append a, b, c...

Auto-Fill Dimmer

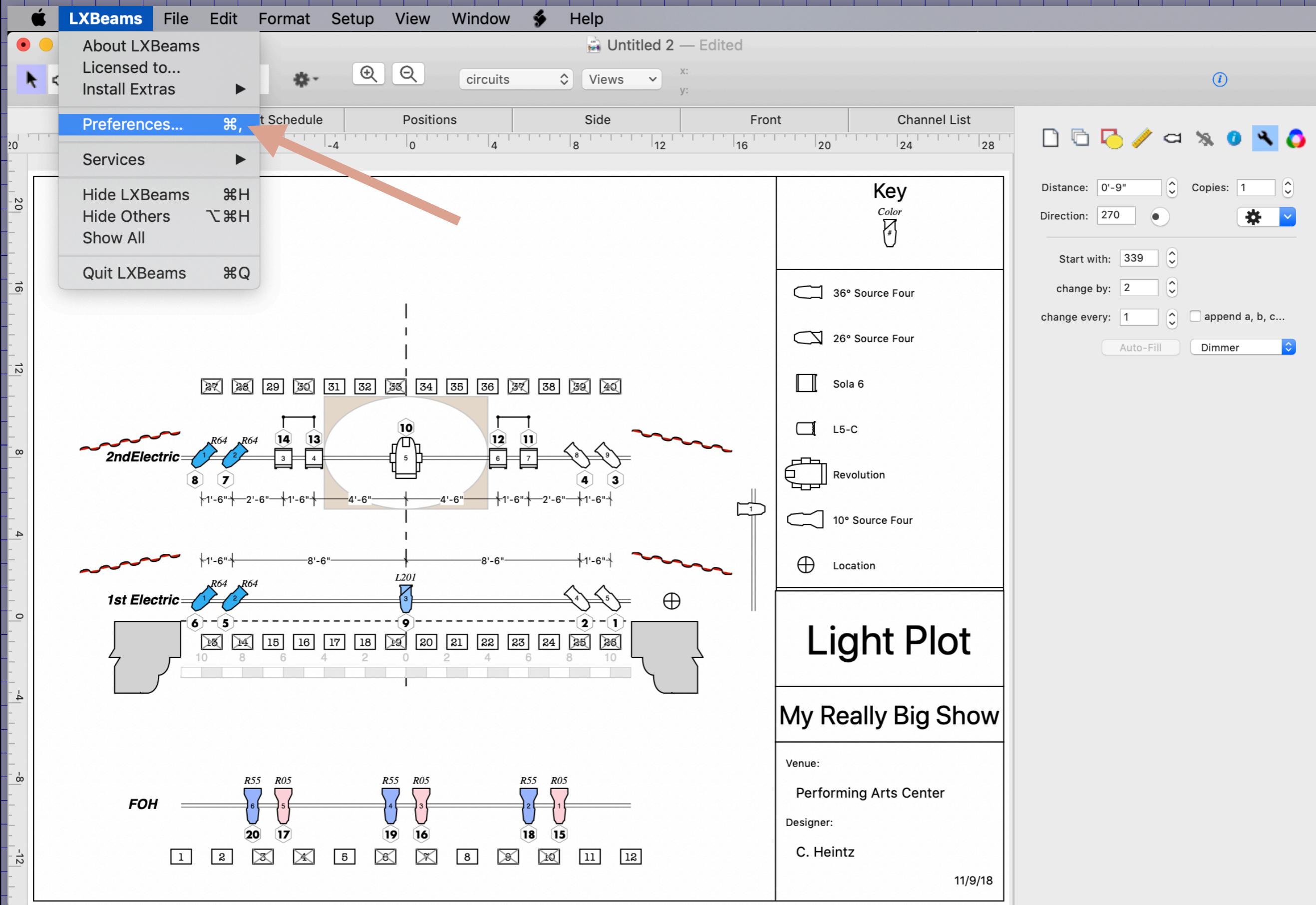
Light Plot

My Really Big Show

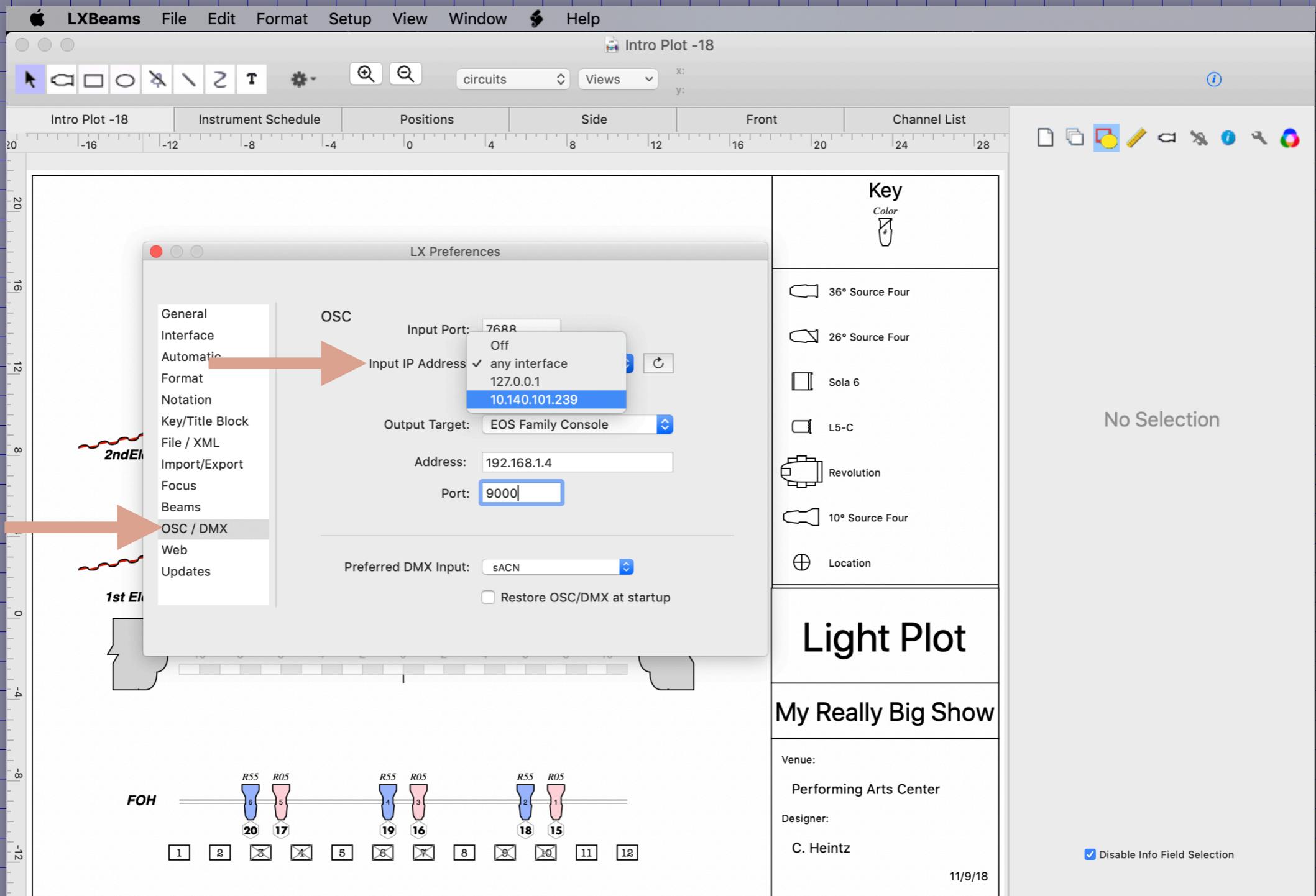
Venue:
Performing Arts Center

Designer:
C. Heintz

11/9/18

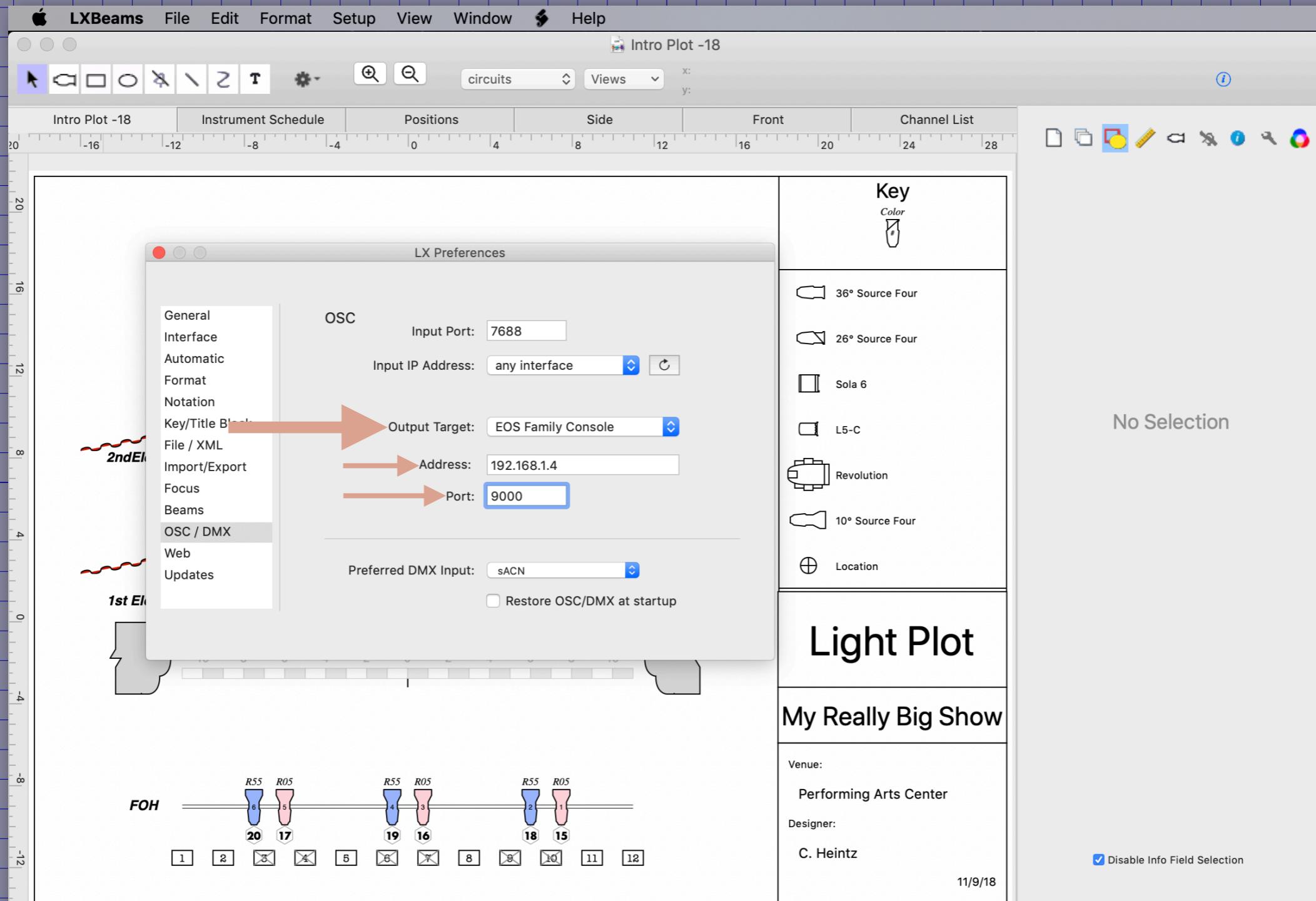


Choose the OSC / DMX Pane. Popup the Input IP address.



Note the last address. (here 10.140.101.239)
Leave the setting as “any interface”

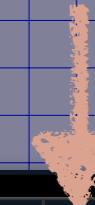
Set the output target to EOS Family Console.



No Selection

Select File > Import > Lightwright >
Show Archive > Example ChannelData.txt

The mapping remains saved in the show file.



Do you really want to import items into your show?

Import From: /Users/claudie/Documents/ETC/Eos>ShowArchive/ ExampleChannelData.txt

Starting Channel: []

Ending Channel: []

Done

Overwrite? Import Text/Notes/Labels/Gels Only

Lightwright	Eos	Mapping	Link Devices	Unlink Devices
	► Ignition ► iLED ► Illumivision ► Illuminarc ► ImageCue ► Innovation LED ► Insight Lighting ► interlite ► Involight ► Irradiant ► iSolutions ► JB Lighting ► JB Systems	Other 10° Source Four -> Dimmer 26° Source Four -> Dimmer 36° Source Four -> Dimmer ETC 410 -> Dimmer ETC 426 -> Dimmer ETC 436 -> Dimmer Litpanels Sola 6 -> Sola 6 Revolution -> Revolution Wybron Sola 6 -> Sola 6 SourceFour Revolution -> Revolution Wybron		



Because this is an update, you want to overwrite with the new channel data.

Check the overwrite box and click OK.

The patch screen shows the updated assignments.

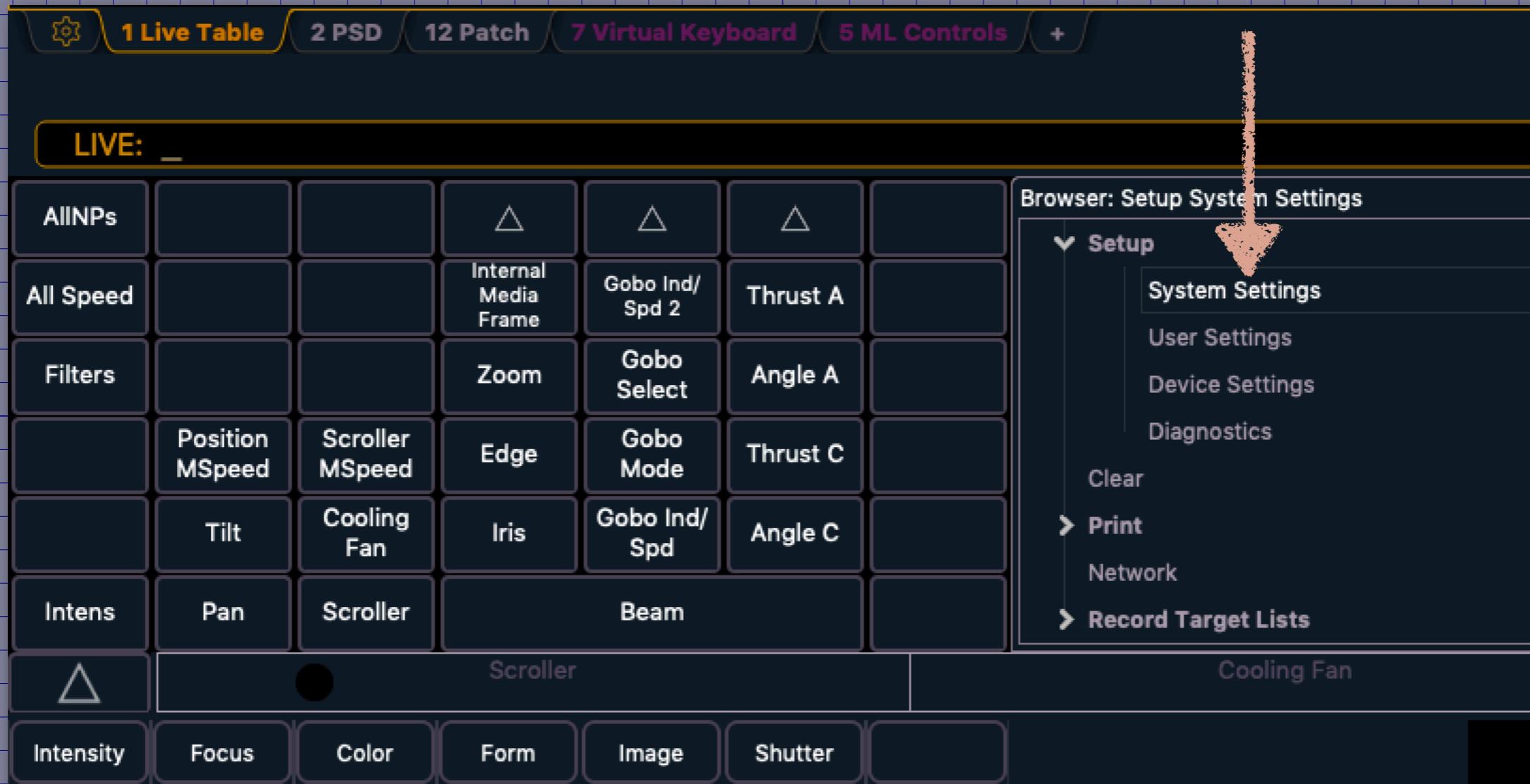
 Eos Family

BLIND     (untitled)

Interface									
Chan	Address	Type	Label	sA...	ED...	DMX	AV...	ART...	Output
1	1/26	Dimmer				*			0
2	1/25	Dimmer				*			0
3	1/40	Dimmer				*			0
4	1/39	Dimmer				*			0
5	1/14	Dimmer				*			0
6	1/13	Dimmer				*			0
7	1/28	Dimmer				*			0
8	1/27	Dimmer				*			0
9	1/19	Dimmer				*			0
10	1/300-330	Revolutio...				*			0
11	1/331-332	Sola 6				*			0
12	1/333-334	Sola 6				*			0
13	1/335-336	Sola 6				*			0
14	1/337-338	Sola 6				*			0
15	1/10	Dimmer				*			0

1 Live Table  2 PSD 12 Patch 7 Virtual Keyboard 5 ML Controls +

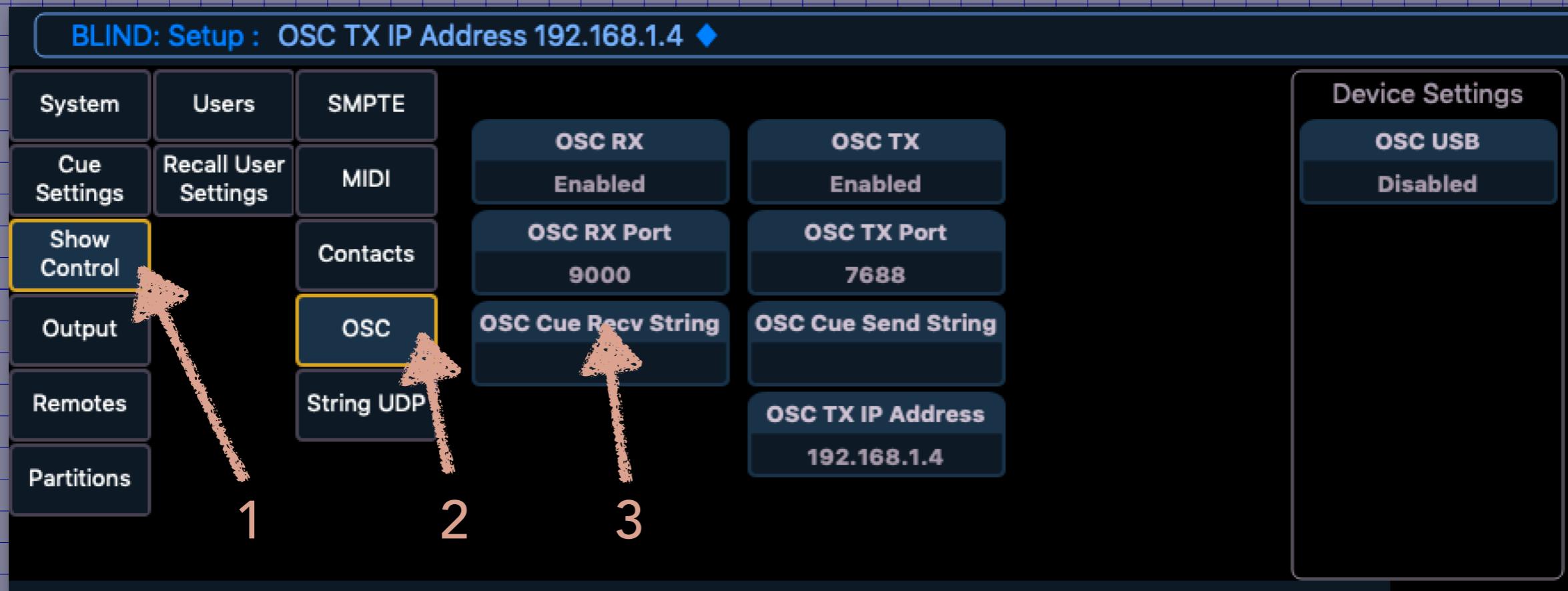
In the browser, select Setup and expand.



Then, double-click System Settings

Select Show Control.

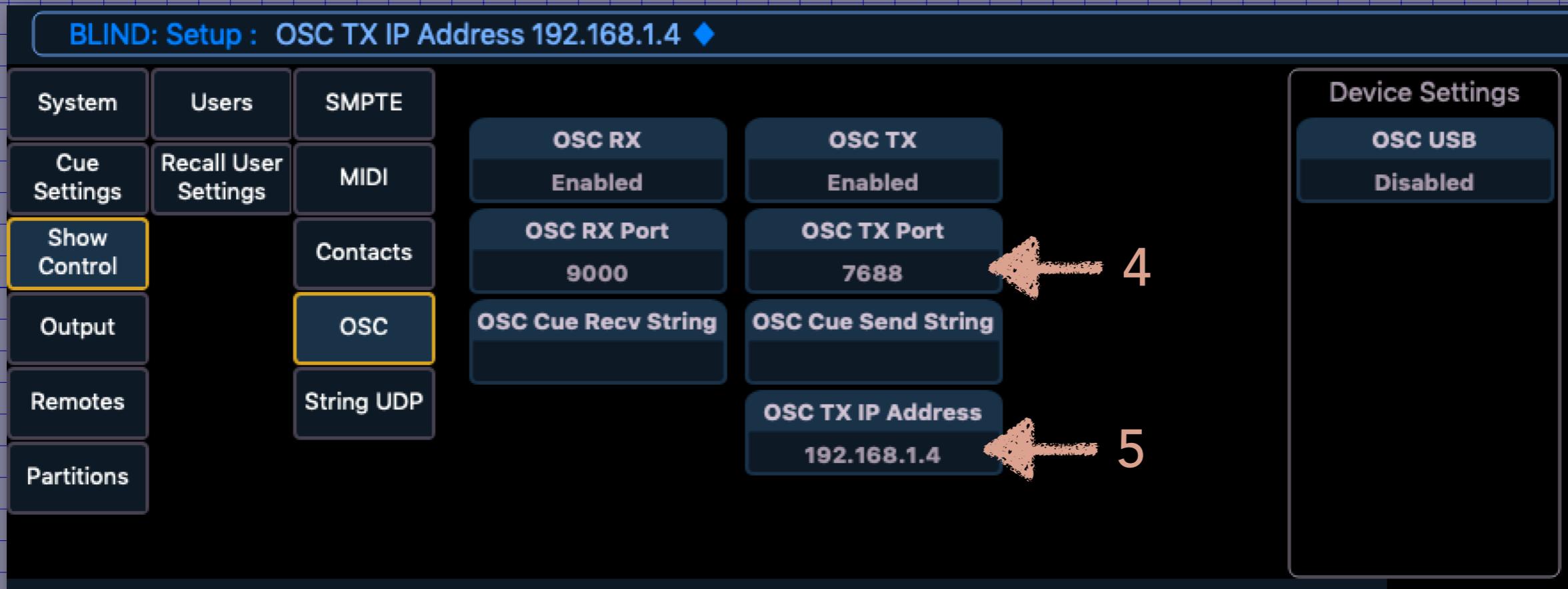
Select OSC.



Enter 9000 for the OSC RX Port.

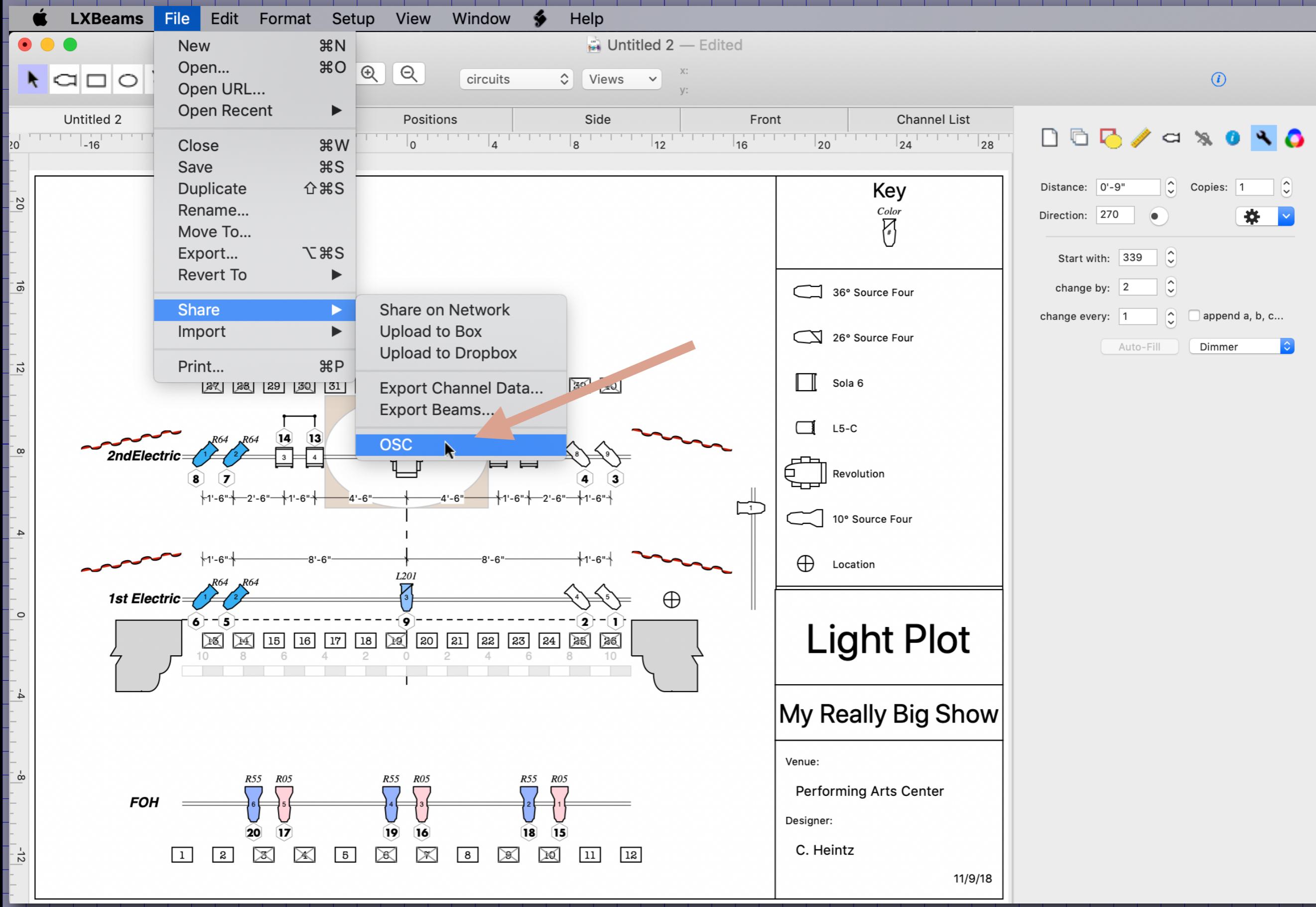
Enter 7688 for the OSC TX Port.

Enter the IP address of your computer as the OSC TX IP address.

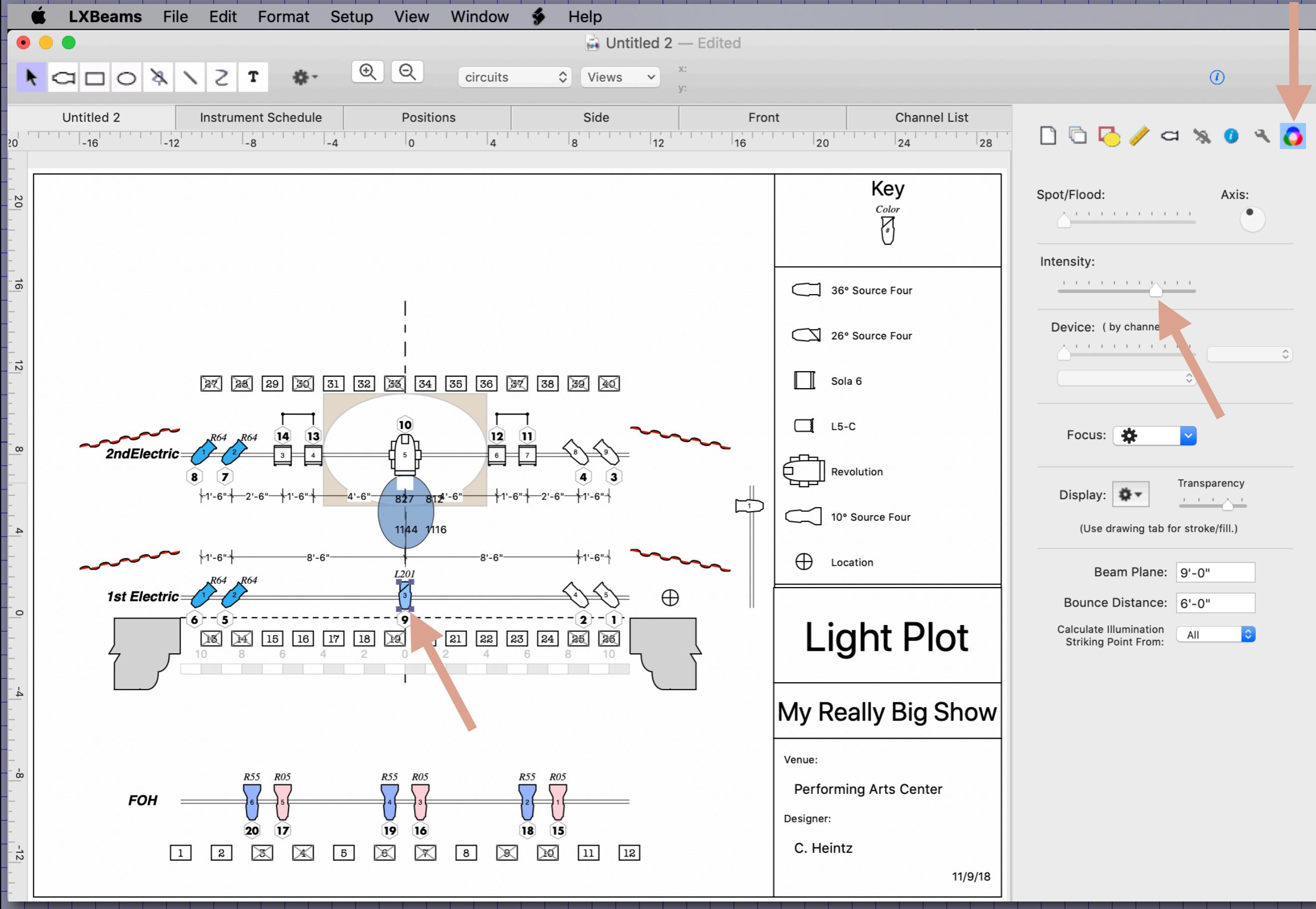


You may need to quit and restart ETCnomad
For the changes to take effect.

Close the preferences window and choose File→Share→OSC.



Click on the channel 9 light. Adjust its intensity in the beams panel.



The Live Table shows the level has been set for channel 9.

Eos Family

(untitled)*

Tracking | Manual Channels

1	2	3	4	5	6	7	8	9 72
---	---	---	---	---	---	---	---	---------

Revolution Wybron **Focus** **Color**

Ch	Intens	Pan	Tilt	Position MSpeed	Scroller	Cooling Fan	Scroller MSpeed
10		0	0	0	F1- open	100	0

Sola 6 **Beam**

Ch	Intens	Zoom
11		15
12		15
13		15
14		15

Cue **Int Up** **Int Down** **Focus** **Color** **Beam** **Dur** **M B A P**

1 Live Table **2 PSD** **12 Patch** **7 Virtual Keyboard** **5 ML Controls** **+**

Switch to the patch tab and set the address of Channel 11 to 431.

The screenshot shows the Eos Family software interface with the title bar "Eos Family". Below the title bar, there are four small icons labeled 1, 2, 3, and 4, and the word "BLIND". To the right of the icons is the file name "(untitled)*".

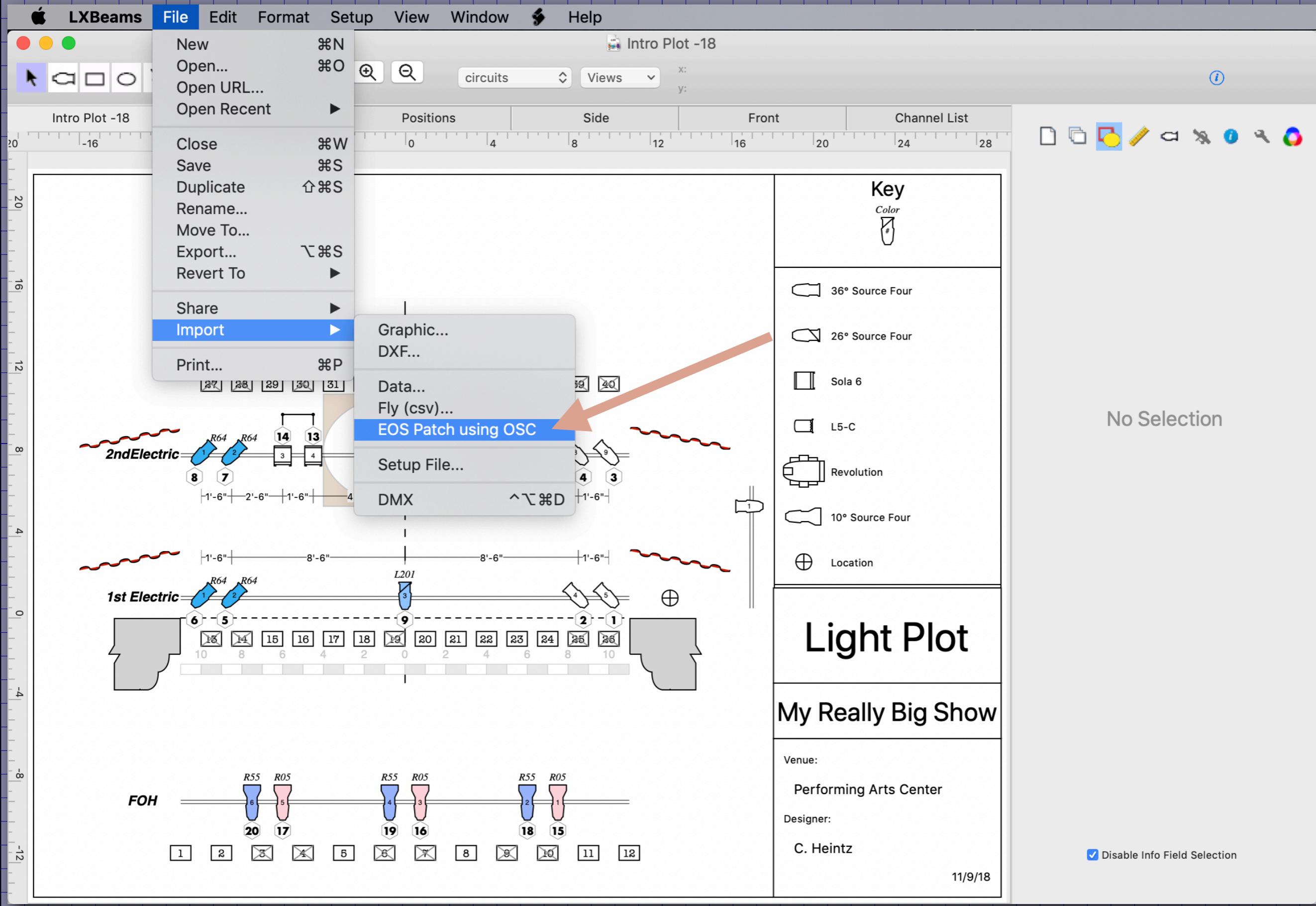
The main area is titled "Interface" and contains a table with the following columns: Chan, Address, Type, Label, sA..., ED..., DMX, AV..., ART..., and Output. The table has 15 rows, numbered 1 to 15. Row 11 is highlighted with a yellow border.

Chan	Address	Type	Label	sA...	ED...	DMX	AV...	ART...	Output
1	1/26	Dimmer		*		*			0
2	1/25	Dimmer		*		*			0
3	1/40	Dimmer		*		*			0
4	1/39	Dimmer		*		*			0
5	1/14	Dimmer		*		*			0
6	1/13	Dimmer		*		*			0
7	1/28	Dimmer		*		*			0
8	1/27	Dimmer		*		*			0
9	1/19	Dimmer		*		*			0
10	1/300-330	Revolutio...		*		*			0
11	431-432	Sola 6		*		*			0
12	1/360-361	Sola 6		*		*			0
13	1/390-391	Sola 6		*		*			0
14	1/420-421	Sola 6		*		*			0
15	1/10	Dimmer		*		*			0

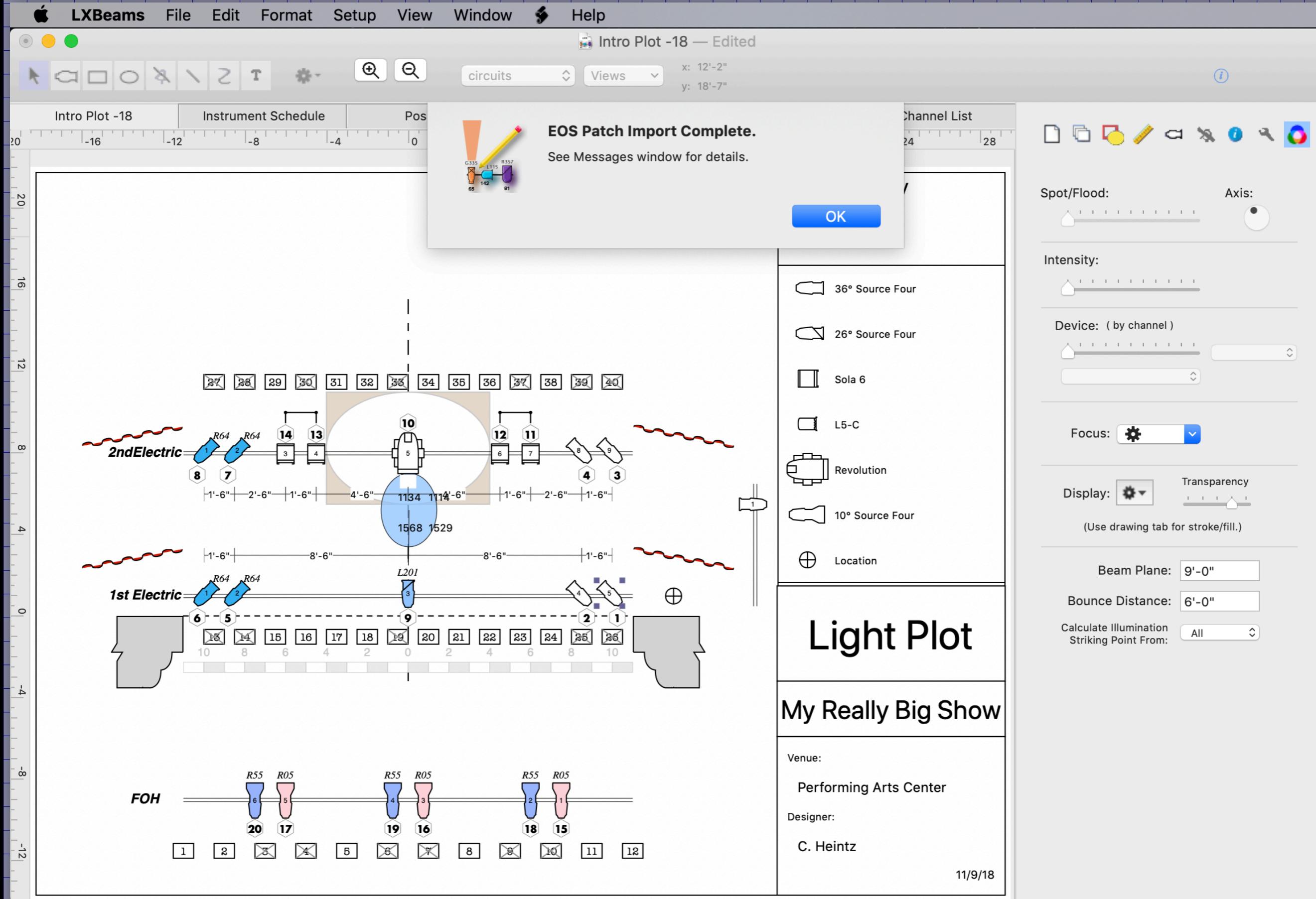
At the bottom of the interface, there are several tabs: "1 Live Table Patched", "2 PSD", "12 Patch" (which is highlighted in yellow), "1.2 Live Table", and a plus sign icon. Below these tabs, a status bar displays the text "Patch Channel: Chan 11 Address 431 ♦".

[c] ,[1] ,[1], [a], [4], [3] ,[1], [enter]

Choose File→Import→EOS Patch using OSC.



You should see a confirmation sheet if successful.



Select the channel 11 light and check the Info tab.

LXBeams File Edit Format Setup View Window Help

Intro Plot -18 — Edited

circuits Views x:
y:

Intro Plot -18 | Instrument Schedule | Positions | Side | Front | Channel List

20 16 12 8 4 0 -4 -8 -12

2nd Electric

1st Electric

FOH

Key

Color #

36° Source Four

26° Source Four

Sola 6

L5-C

Revolution

10° Source Four

Location

Light Plot

My Really Big Show

Venue:
Performing Arts Center

Designer:
C. Heintz

Property Value

Position

Light

Position 2ndElectric

7

Color

Channel 11

Dimmer 431

Template

Use

Group

More

Frost

Circuit 37

Mark

Note

Focus

Focus X 0'-0"

Focus Y 0'-0"

Focus Height 0'-0"

Spot/Flood 15

Cd@Spot/F... 23100

Device

Parameters

3D

Rendering

X offset 0'-0"

Y offset 0'-0"

Z offset -0'-7.5"

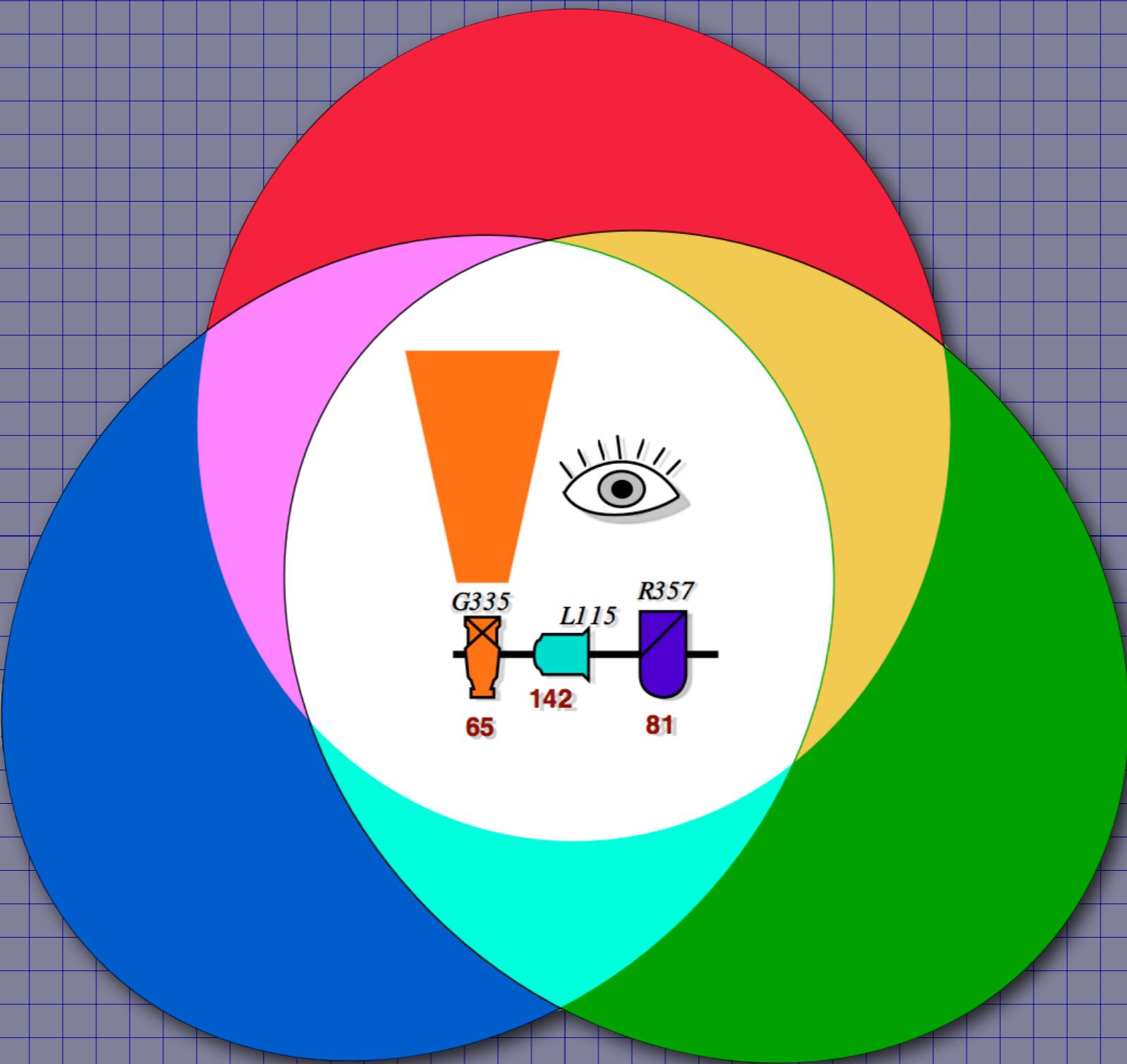
11/9/18

A red arrow points from the highlighted fixture in the plot area to the 'Info' tab in the right panel, indicating where to check the channel 11 light settings.

In this section we've looked at
sharing channel data with
EOS family software.

- Exporting a tab delimited text file
- Importing the .txt file and mapping devices.
- Controlling EOS via OSC.
- Importing patch information from EOS.

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