



SHARKWARE

SharkWare User Manual

August 2025

www.leaprofessional.com



SHARKWARE

ADVANCED AMPLIFIER CONTROL SOFTWARE

Developed in part based on integrator and customer feedback, Sharkware allows integrators to work both in offline design and online mode on a systems amplification configuration to ensure a more seamless, accessible, and flexible user experience with all LEA Professional Connect Series amplifiers.

Free to download and available for both Windows and Mac, Sharkware includes features such as amplifier grouping, offline design, granular user access control levels, locked speaker tunings, and a graphical EQ.

Sharkware also incorporates key features from LEA Professional's existing Web UI tool, allowing users to monitor the status of every amplifier connected to the network as well as the status and performance of individual channels. In addition, the software gives users the ability to view and adjust channel settings such as input settings, signal generator, crossover, equalizer, limiter, and load monitoring for all LEA Professional Connect Series amplifiers.



Offline Design Mode

Design your system from 1 to 1000 amplifiers without physically being connected to an amp



Grouping

Group amplifier channels together to control and monitor by group



User Access Control

Role Based restriction to lock users out of certain parameters. Roles can have Read/Write, Read Only, or No Access for each parameter



Locked Speaker Tunings

Lock out your speaker tuning parameters so nobody can see or change your proprietary speaker tuning information



Graphical EQ


Drag and Drop your EQ parameters in our new graphical EQ window



Save & Load Design Files

Save and Load Design files for your entire system

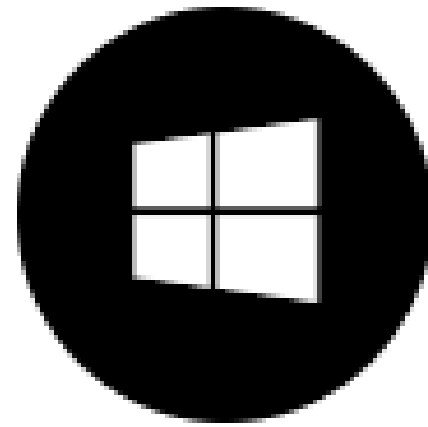


- **Added Visual Panel Control and Monitoring**
 - Upload an image and overlay amplifier controls to create a custom user interface.
 - Supports png, jpg, bmp, webp, svg and gif image formats.
- **Added the ability to restart amplifier discovery.**
 - Click on the  to restart the amplifier discovery process.

Click on the Topic to take you to the page

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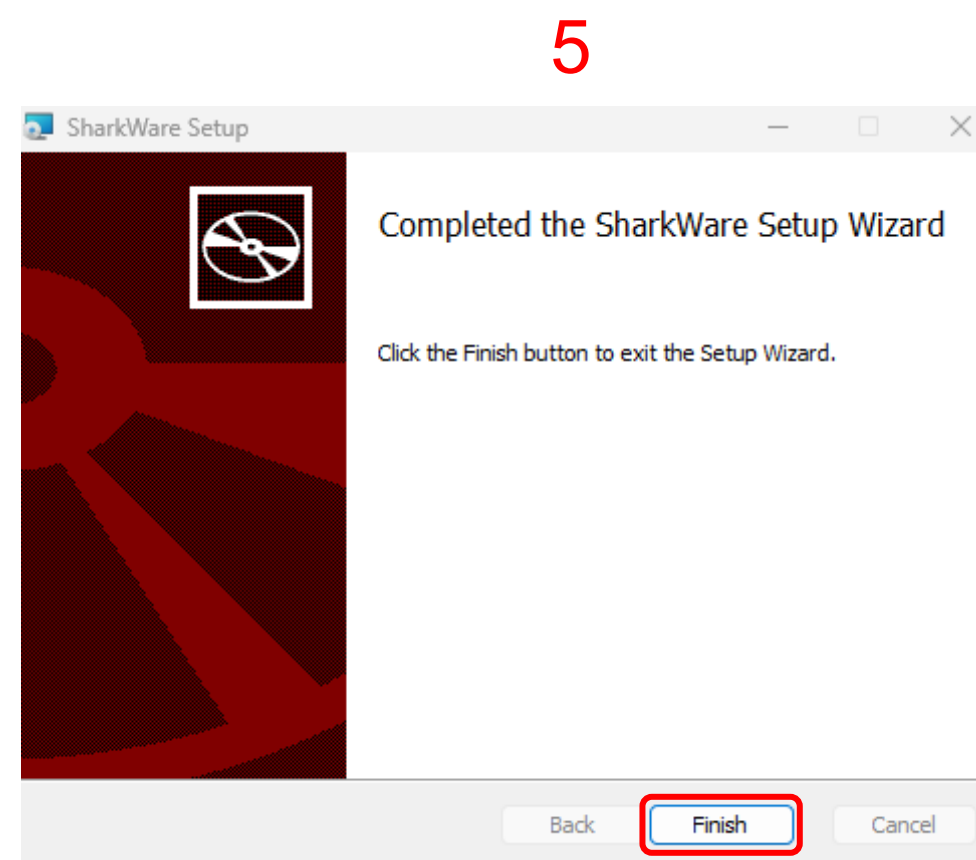
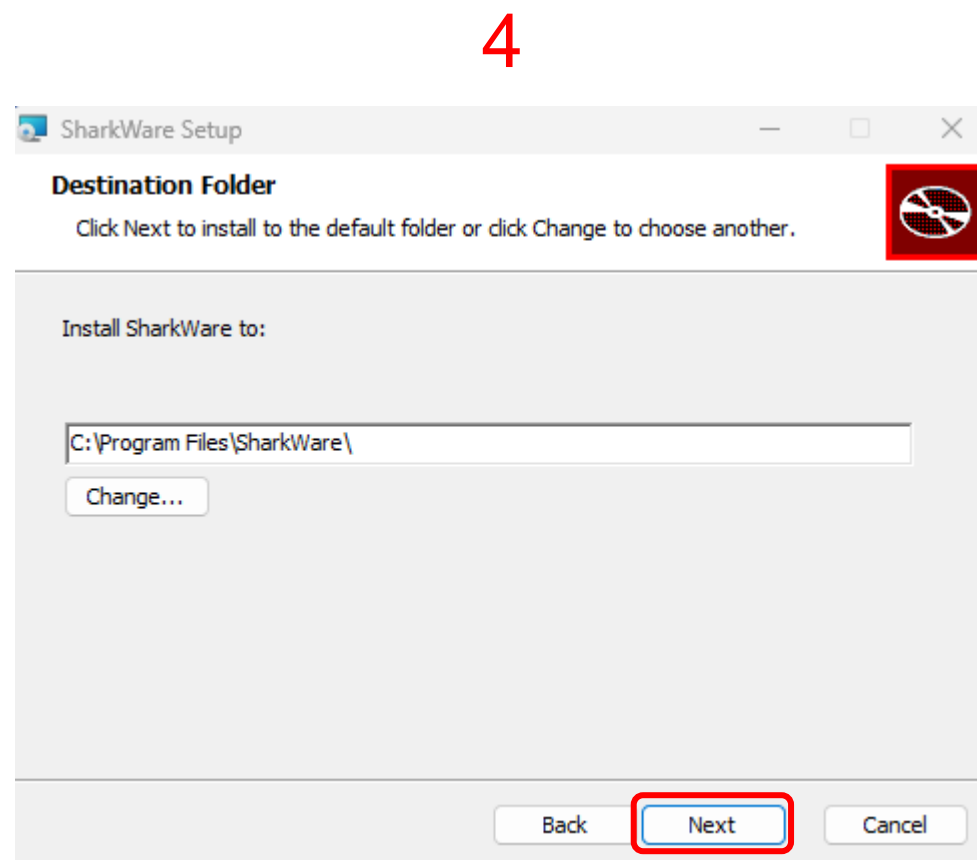
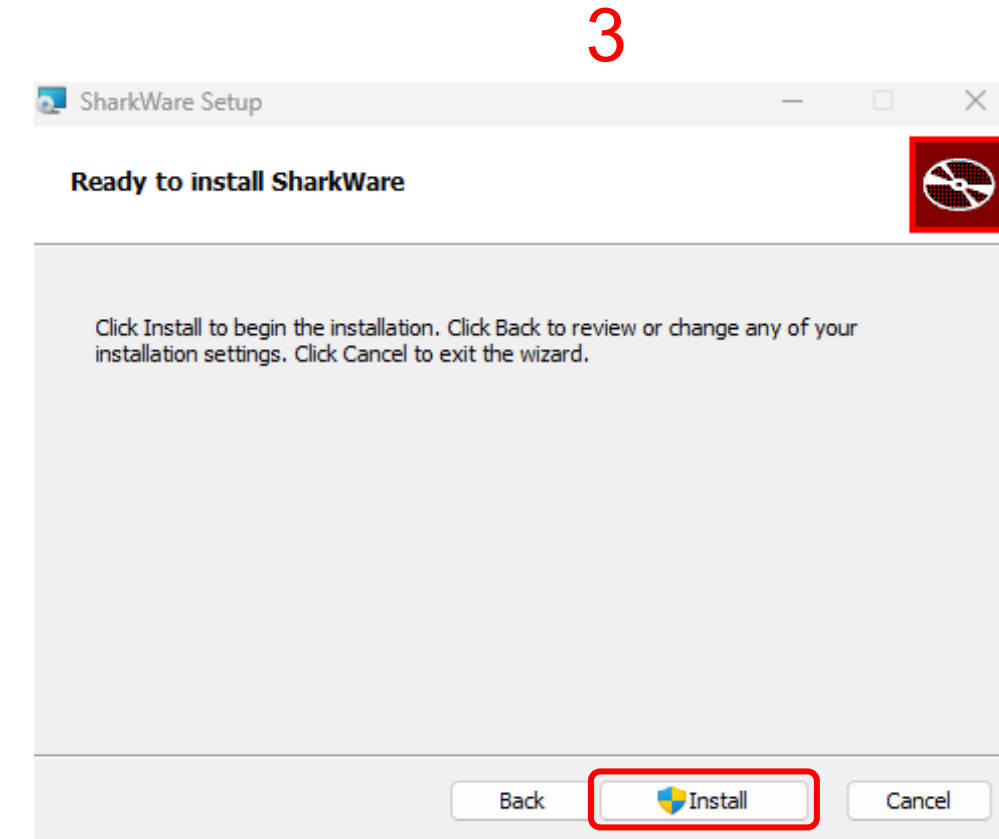
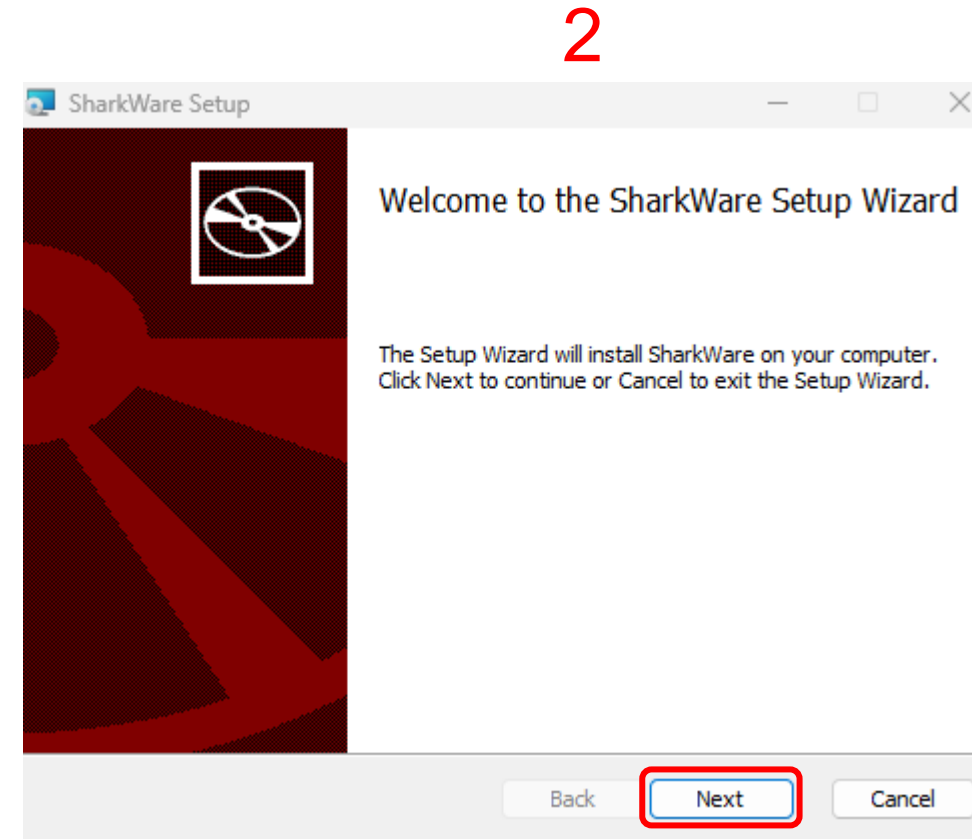
- Windows 10+, quad core CPU, 8GB RAM, 200MB free space



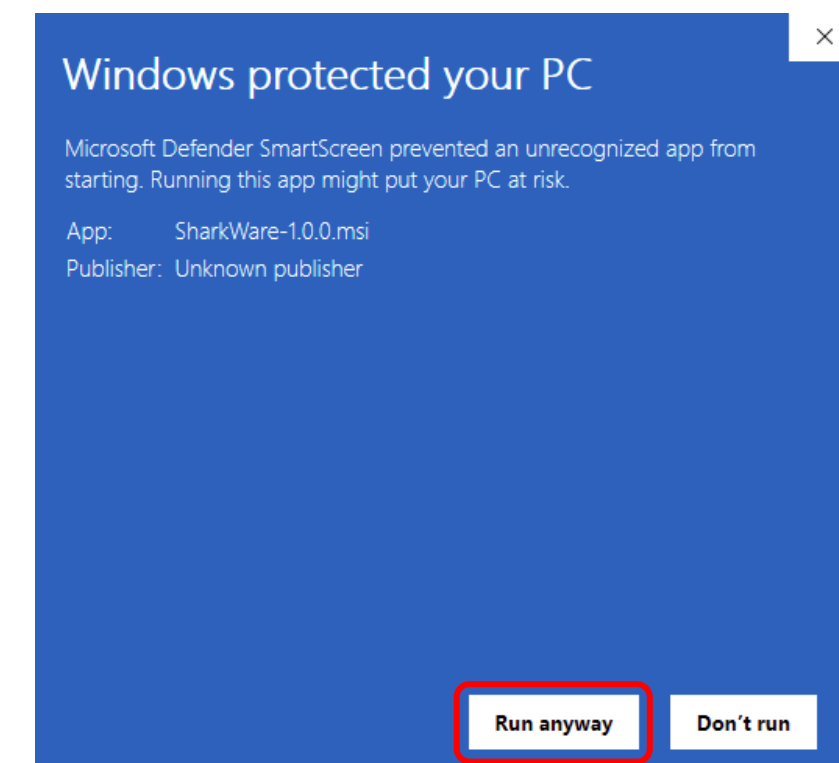
- MacOS 10.14+, quad core CPU, 8GB RAM, 200MB free space

Installation Steps

1. Launch the SharkWare Windows Installer.
2. Click “Next” in the SharkWare Setup Wizard.
3. Click “Install” to begin the installation process.
4. Enter the desired destination of the installation and click “Next”.
5. When the installation is complete click “Finish”.

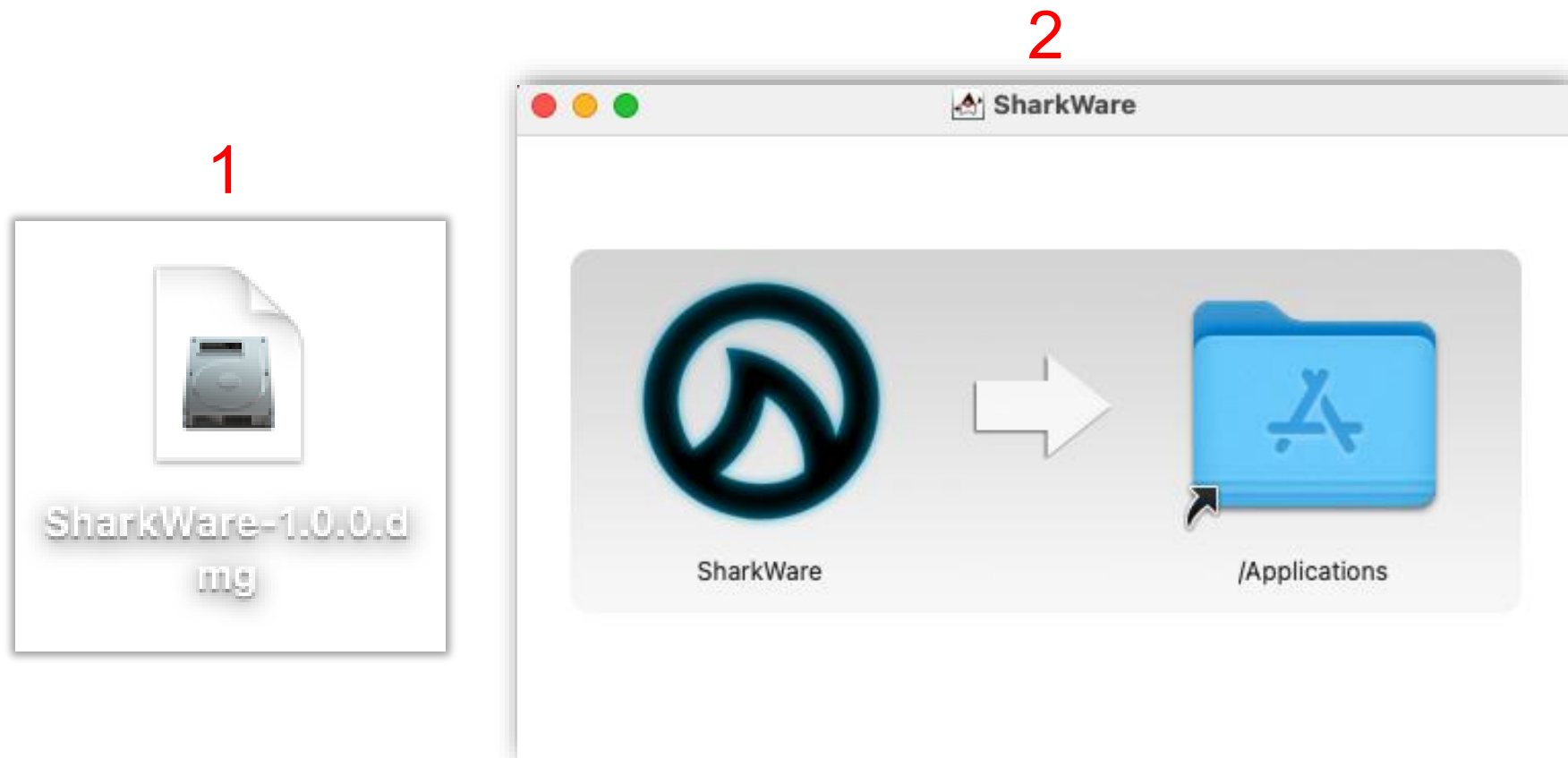


NOTE:
During the installation process you may receive this notification, continue by clicking “Run anyway”.



Installation Steps

1. Click the SharkWare disk image.
2. Drag and drop the SharkWare logo into the Applications folder.

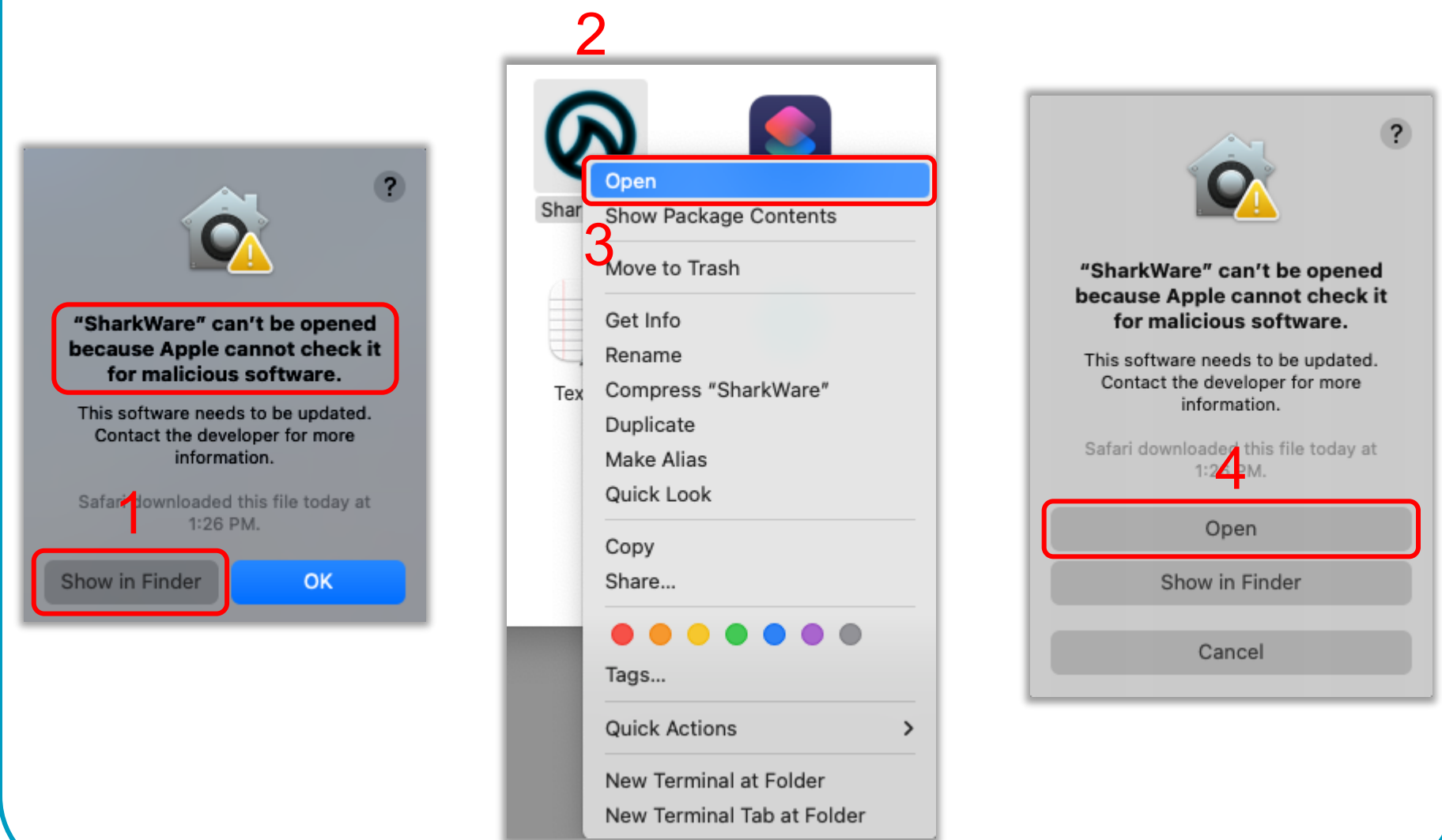


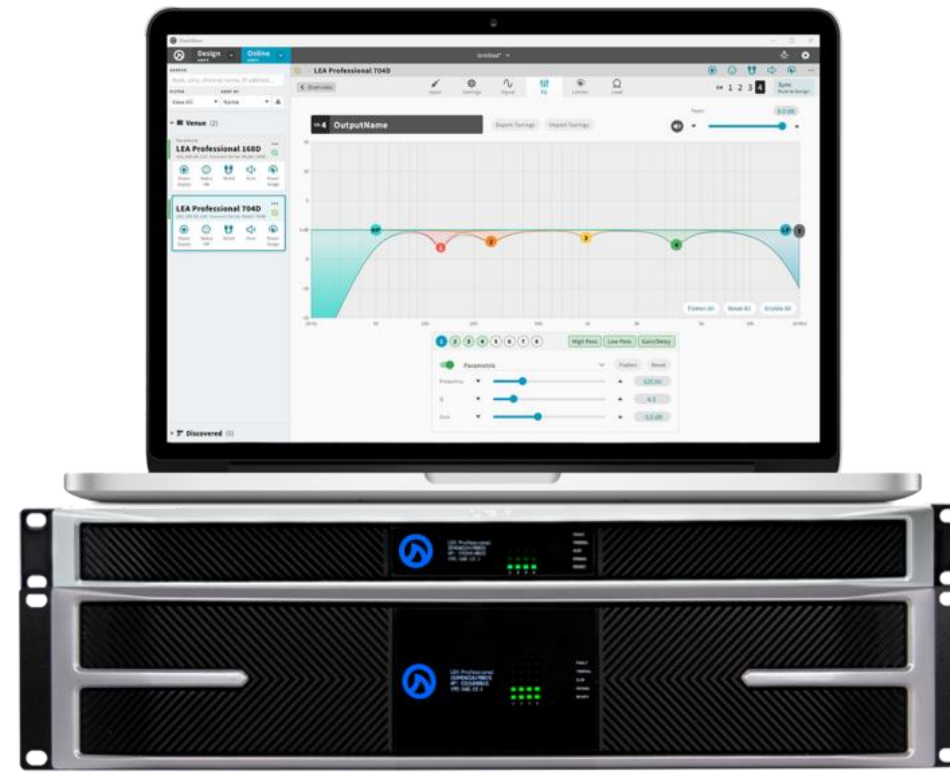
NOTE:

While opening the application for the first time you will receive a notification stating: "SharkWare" can't be opened because Apple cannot check it for malicious software, follow the steps below to resolve this issue.

These steps are only required the first time opening the application.

1. Click "Show in Finder"
2. In Finder right click on "SharkWare"
3. Click "Open" from the drop-down menu
4. Click "Open" from the new dialog box





In order to utilize all the features in Sharkware, the LEA Connect Series amplifier must have firmware version 4.0.0.0 or higher.

To download the latest version of firmware, please follow this link:

<https://leaprofessional.com/downloads/>

If you have a version prior to 4.0.0.0, you may not be able to use all features in Sharkware with your LEA Connect Series Amplifiers.

The screenshot shows the SharkWare interface with the following annotations:

- Offline Design Mode**: Points to the 'Offline Design' button in the top-left corner.
- Online Operation Mode**: Points to the 'Online' button in the top-left corner.
- Filter by Amp Model or Tags**: Points to the search bar in the top toolbar.
- Amps in Design, Offline/Online status**: Points to the 'ONLINE' status indicator in the top toolbar.
- New File, Open File, Save File, Rename File**: Points to the file management icons in the top toolbar.
- Restart Amplifier Discovery**: Points to the refresh icon in the top toolbar.
- Light & Dark Modes**: Points to the theme toggle icon in the top toolbar.
- SharkWare Settings**: Points to the gear icon in the top toolbar.
- Add Offline Amps to Design**: Points to the 'Amps' menu item in the left sidebar.
- Add and Name Other Rack Equipment**: Points to the 'Spacers' menu item in the left sidebar.
- Group Amp Channels Together**: Points to the 'Groups' menu item in the left sidebar.
- Add Labels into the Canvas**: Points to the 'Labels' menu item in the left sidebar.
- Add Amps Connected on Network to Design**: Points to the 'Discovered (25)' menu item in the left sidebar.
- Tag Racks & Amps for Easy Filtering**: Points to the 'Tags' menu item in the left sidebar.
- Create and Edit Visual Panels**: Points to the 'Visual Panels' menu item in the left sidebar.
- Amplifiers Synced, Not Synced, or Unmatched Status**: Points to the 'SYNCED' status indicator in the top toolbar.
- Canvas View Filters**: Points to the eye icon in the top toolbar.
- Save File**: Points to the 'Save' button in the top toolbar.
- Canvas Zoom**: Points to the zoom slider at the bottom right of the canvas.

Offline System Design allows you to design your system file without physically being connected to any LEA Amplifiers. You can design the entire system, save the file, then “push” the entire system design file to the amps once you have connected to them.

Step 1:

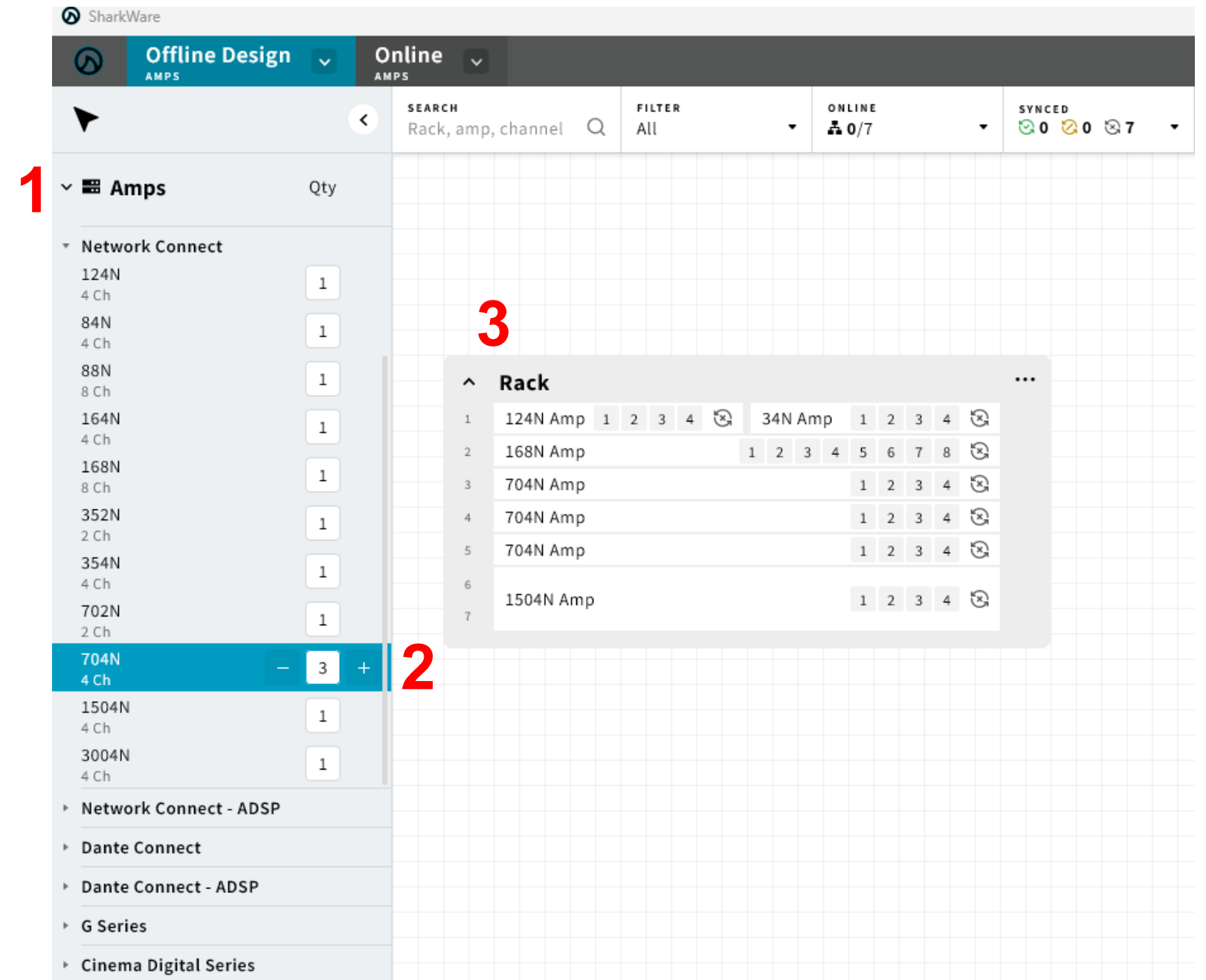
- Click on **Amps**
- Click on the desired product line.

Step 2:

- Select the quantity of the 1st amp you will be adding to the design.

Step 3:

- With the Amp Model and Qty highlighted in Blue, now click where you want to drop these amps into a rack on the canvas



Adding More or Different Model Amps

You can add more or different amp models into the venue.

Step 2a:

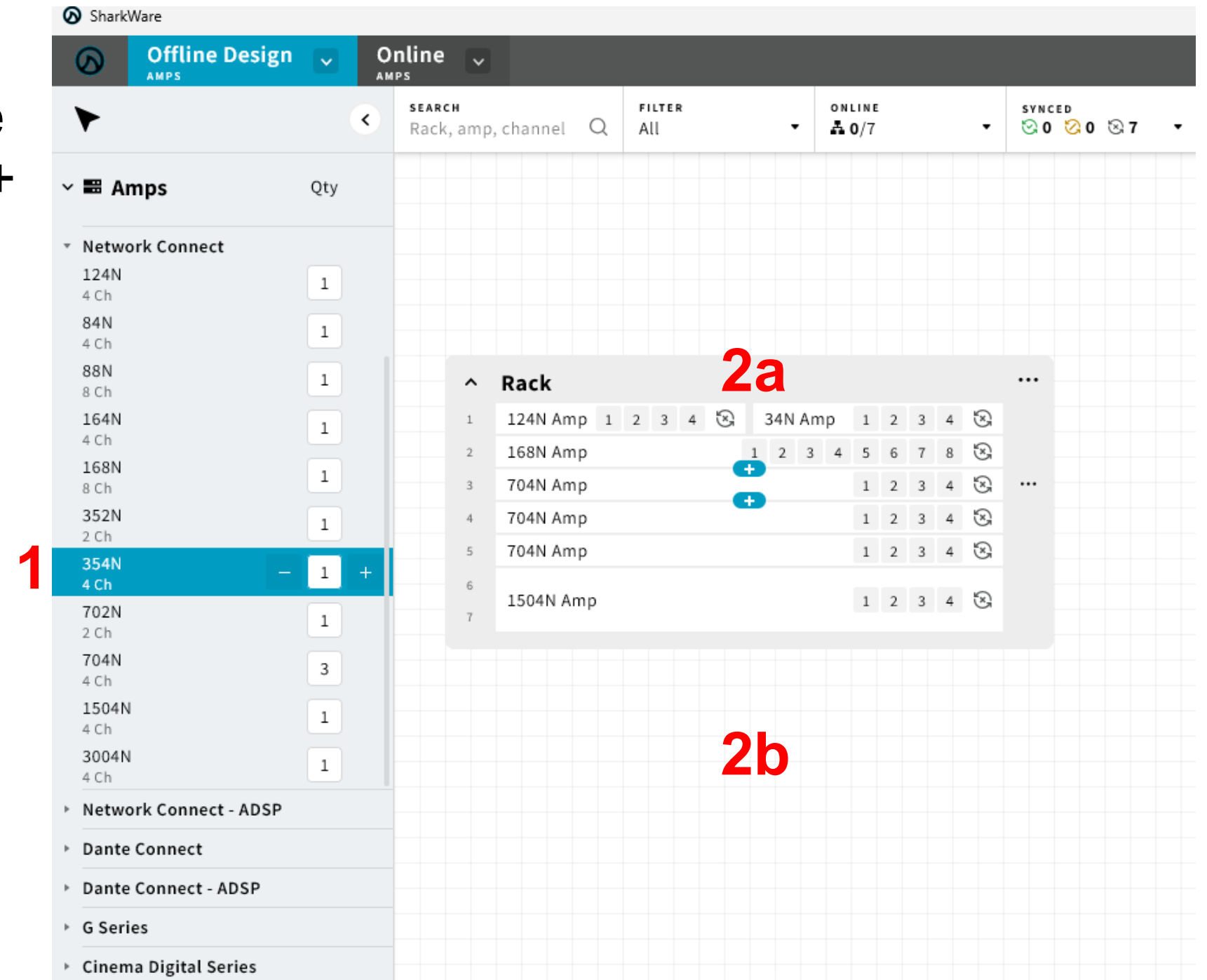
- If you are adding to an existing rack, hover the rack and you will see + above and below the amp in the rack. Click the + to add them above or below

Step 2b:

- If you want to add the new amps in a separate rack, simply click on the design canvas

Step 1:

- Select the quantity of the 2nd amp you will be adding to the design.



The screenshot shows the SharkWare software interface. On the left, a list of amp models is displayed with their respective quantities. The '354N 4 Ch' model is highlighted with a red '1' and a '+' sign next to its quantity field. On the right, a 'Rack' configuration window is shown with a grid of amp slots. A red '2a' is placed above the grid, and a red '2b' is placed below it. The grid shows various amp models in different slots, with '+' signs indicating where new amps can be added.

Amp Model	Qty
124N 4 Ch	1
84N 4 Ch	1
88N 8 Ch	1
164N 4 Ch	1
168N 8 Ch	1
352N 2 Ch	1
354N 4 Ch	1
702N 2 Ch	1
704N 4 Ch	3
1504N 4 Ch	1
3004N 4 Ch	1

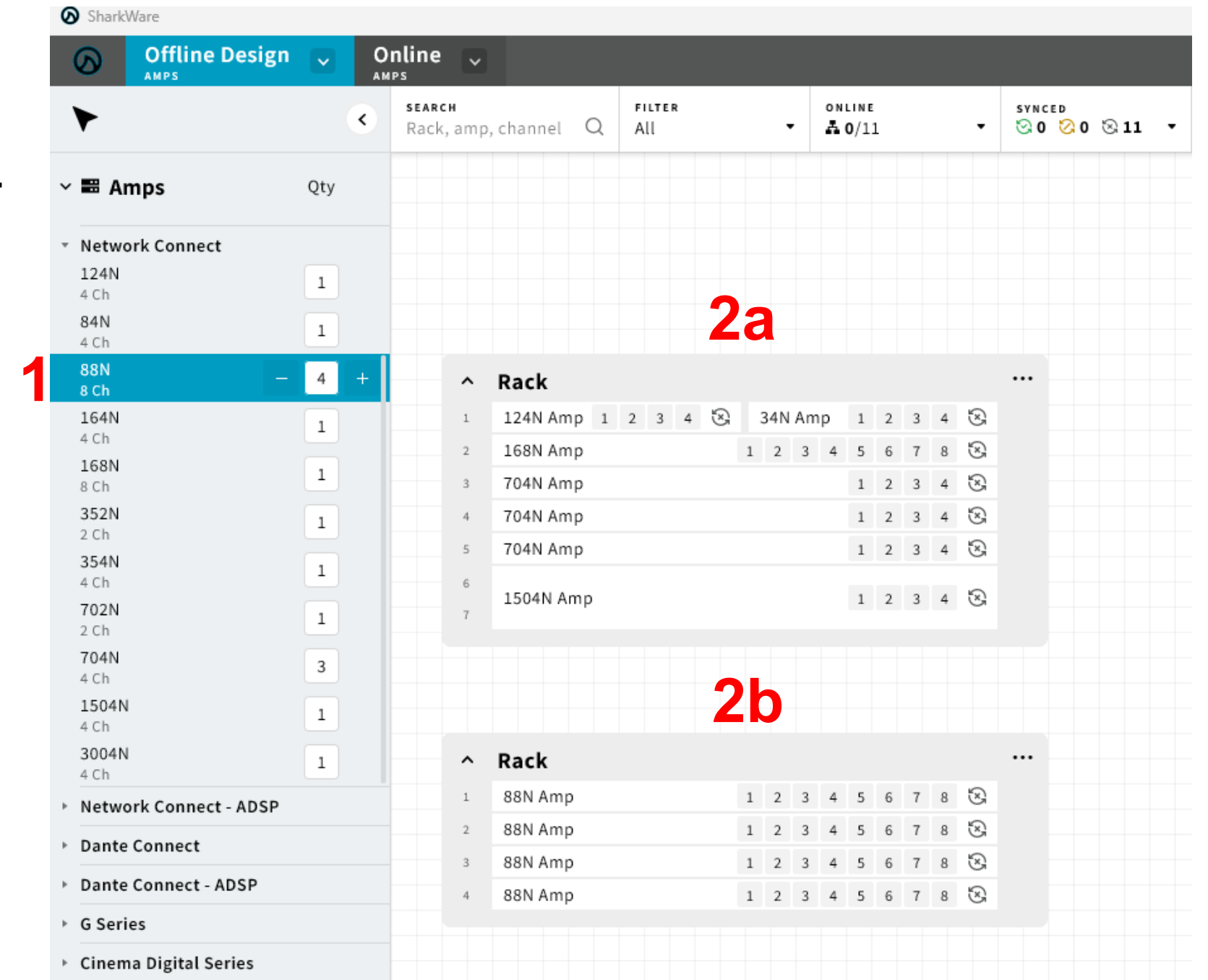
Rack Slot	Amp Model	Slot 1	Slot 2	Slot 3	Slot 4
1	124N Amp	1	2	3	4
2	168N Amp	1	2	3	4
3	704N Amp	+	1	2	3
4	704N Amp	+	1	2	3
5	704N Amp	1	2	3	4
6	1504N Amp	1	2	3	4
7					

Adding More or Different Model Amps

You can add more or different amp models into the venue.

Step 2a:

- If you are adding to an existing rack, hover the rack and you will see + above and below the amp in the rack. Click the + to add them above or below



The screenshot shows the SharkWare software interface. On the left, a list of amp models is displayed with their respective channel counts and quantities. The '88N 8 Ch' model is highlighted, and a red '1' is placed next to its quantity field, which currently shows '4'. On the right, two rack configurations are shown. The top rack, labeled '2a', contains several amp models in slots 1 through 7. The bottom rack, labeled '2b', contains four '88N Amp' models in slots 1 through 4. The interface includes a search bar, filter options, and status indicators for online and synced components.

Step 1:

- Select the quantity of the 2nd amp you will be adding to the design.

Step 2b:

- If you want to add the new amps in a separate rack, simply click on the design canvas

Rename Amp Racks

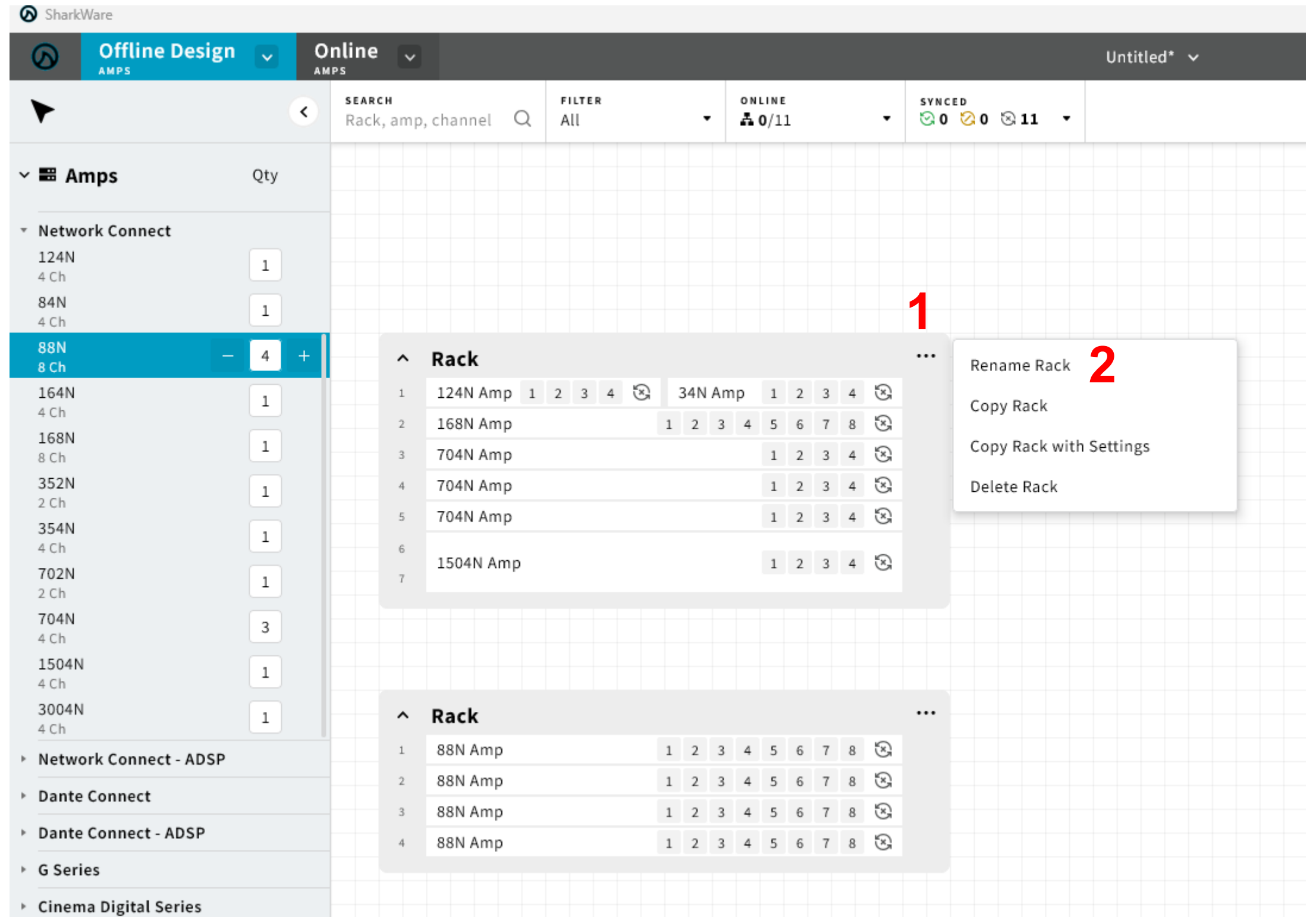
To better organize your system, you can name amp racks

Step 1:

- Click on the three dots next to the amp rack (...)

Step 2:

- Click 'Rename Rack' and type anything you want to rename the rack to and click Save



The screenshot shows the SharkWare software interface in 'Offline Design' mode. The sidebar on the left lists various amp rack configurations under the 'Amps' category. The main workspace displays a grid of rack configurations. A context menu is open over one of the racks, showing options: 'Rename Rack', 'Copy Rack', 'Copy Rack with Settings', and 'Delete Rack'. Red numbers 1 and 2 are overlaid on the image to indicate the steps: 1 points to the three dots menu icon, and 2 points to the 'Rename Rack' option.

Category	Model	Channels	Qty
Network Connect	124N	4 Ch	1
	84N	4 Ch	1
	88N	8 Ch	4
	164N	4 Ch	1
	168N	8 Ch	1
	352N	2 Ch	1
	354N	4 Ch	1
	702N	2 Ch	1
	704N	4 Ch	3
	1504N	4 Ch	1
3004N	4 Ch	1	
Network Connect - ADSP			
Dante Connect			
Dante Connect - ADSP			
G Series			
Cinema Digital Series			

Rack	1	2	3	4	5	6	7	8
1	124N Amp				34N Amp			
2	168N Amp							
3	704N Amp							
4	704N Amp							
5	704N Amp							
6	1504N Amp							
7								

Rack	1	2	3	4	5	6	7	8
1	88N Amp							
2	88N Amp							
3	88N Amp							
4	88N Amp							

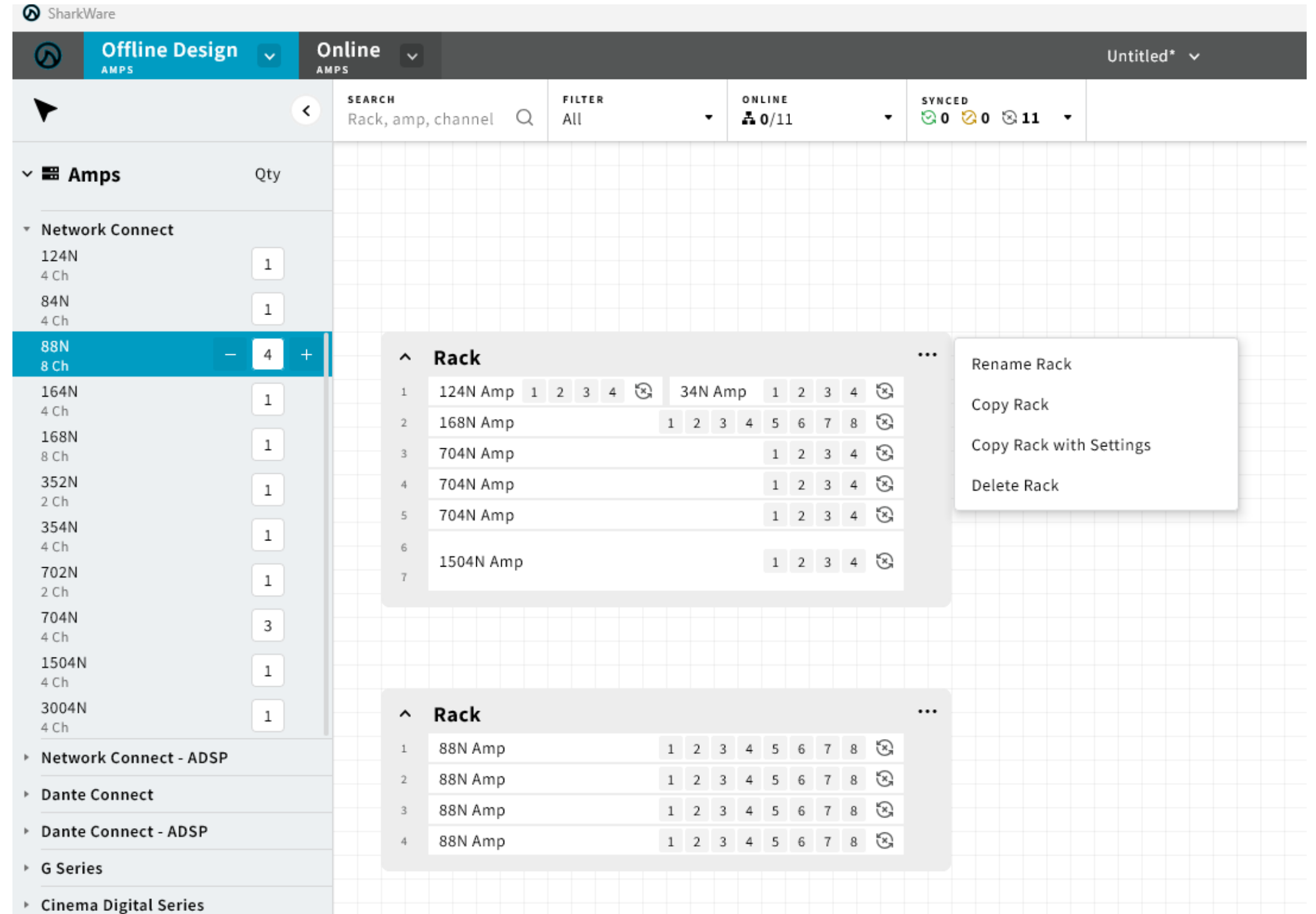
Copy a Rack

There are two ways to copy a rack

- Copy a Rack
 - This will copy the rack models so that you can add an identical rack into the design canvas. **NOTE:** The amplifiers will be copied into the design with Factory Default Settings
- Copy Rack with Settings
 - This will copy the rack models AND all of the current amplifier settings of the rack into the design canvas.

Once you've chosen how you want to copy the rack, simply click in the design canvas where you want the copied rack placed

- Delete Rack is self explanatory



The screenshot shows the SharkWare software interface in 'Offline Design' mode. On the left, a sidebar lists various amplifier models under the 'Amps' category, with the '88N 8 Ch' model selected and its quantity set to 4. The main canvas displays two rack configurations. The top rack contains: 124N Amp (4 channels), 34N Amp (4 channels), 168N Amp (8 channels), 704N Amp (4 channels), 704N Amp (4 channels), and 1504N Amp (4 channels). The bottom rack contains four 88N Amp units (8 channels each). A context menu is open over the top rack, offering options: 'Rename Rack', 'Copy Rack', 'Copy Rack with Settings', and 'Delete Rack'.



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Spacers

Spacers allow you to visually represent the rack with other equipment.

Step 1:

- Click on 'Spacers'

Step 2:

- Name your spacer, select how many rack spaces it is

Step 3:

- Hover over where in the rack you want to place this spacer and click the '+'

The screenshot shows the SharkWare interface with the 'Offline Design' tab selected. The left sidebar has 'Spacers' expanded, and a search bar contains 'Ubiquiti 24 Port Switch'. Below the search bar, there are controls for 'RUs' and 'Qty', both set to 1. A red '1' is placed next to the 'Spacers' menu item. A red '2' is placed next to the search bar. On the right, a rack named 'SharkWare Demo Rack 1' is shown with 9 rows. The first row is highlighted with a red '3' and contains a 'Ubiquiti 24 Port Switch'. Below it, rows 2-5 contain '168D Amp' and rows 6-9 contain '704N Amp'. Each row has 8 columns and a delete icon. A second rack titled 'Rack' is also visible below, containing 4 rows of '168D Amp'.

Tags

Tags allows for quick filtering of Amp Racks and Amps so you can easily see which amps are tagged to a certain area

Step 1:

- Click on 'Tags'

Step 2:

- Click on the '+' Next to Tags

Step 3:

- Name the Tag and select the color you want the Tag to be

Step 4:

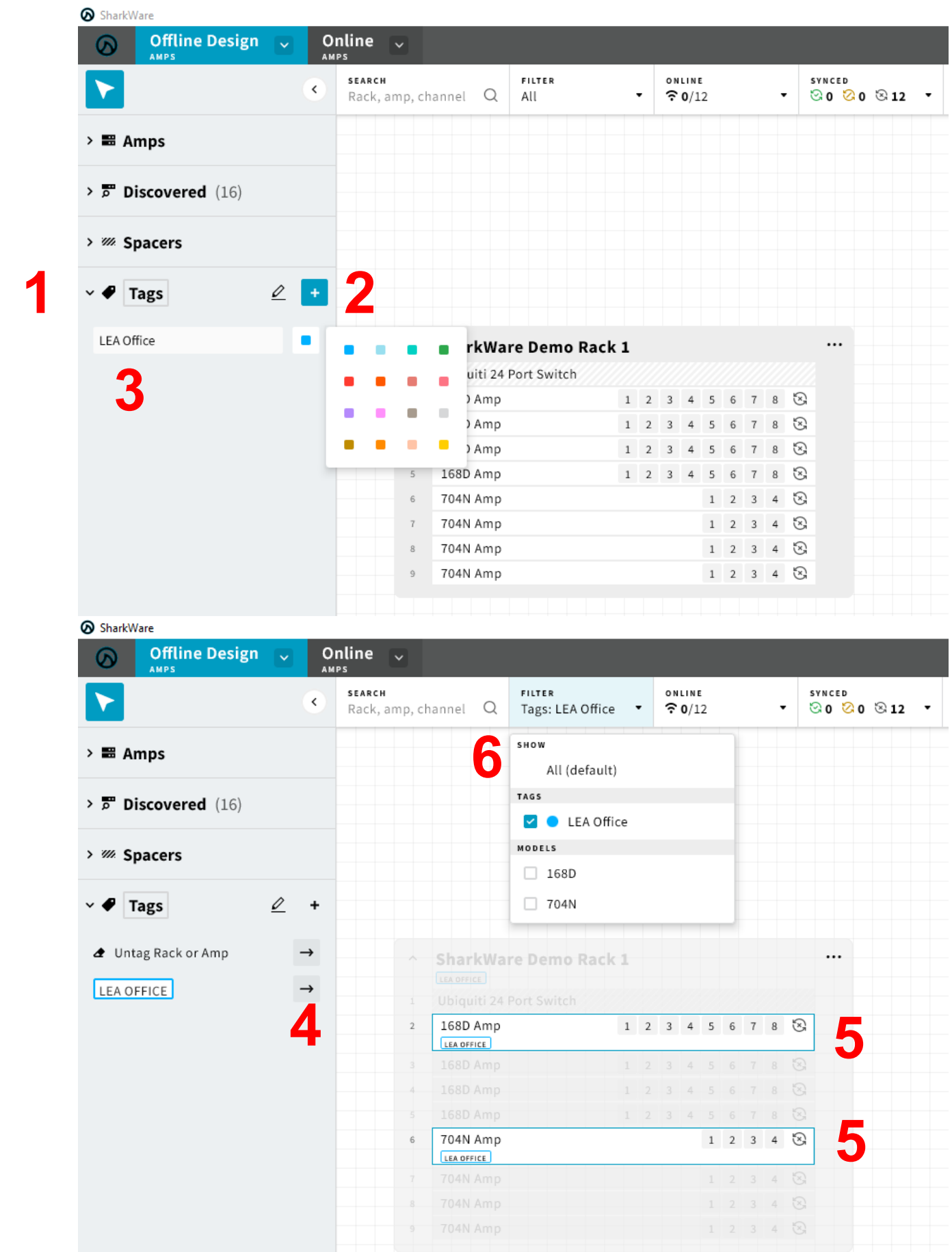
- Click on 

Step 5:

- Now Click on Amp Racks and/or amps you want to Tag

Step 6:

- Now up in Filters, you can Filter by what is Tagged



The screenshots illustrate the following steps:

1. Click on 'Tags' in the left sidebar.
2. Click on the '+' icon next to 'Tags'.
3. Name the tag 'LEA Office' and select a color (blue).
4. Click on the 'LEA OFFICE' tag in the sidebar.
5. Click on the 'Filters' dropdown in the top right, then select 'Tags: LEA Office'.
6. The interface filters to show only the tagged items, such as 'SharkWare Demo Rack 1' and its components (168D Amp, 704N Amp).

Groups

Groups allows you to group any amplifier channels together for control, monitoring, and configuration of that group

Step 1:

- Click on 'Group'

Step 2:

- Click on the '+' Next to Groups

Step 3:

- Name the Group and select the color you want the Group to be

Step 4:

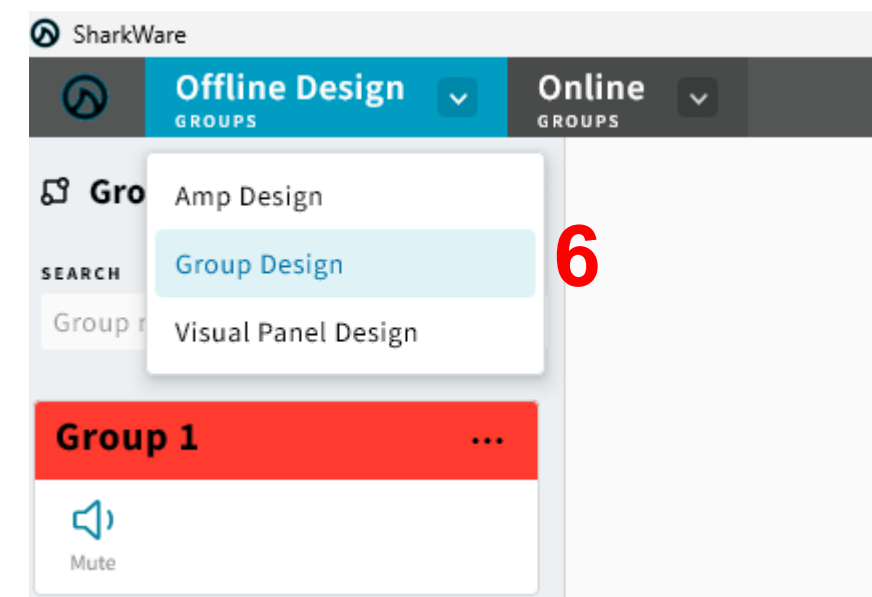
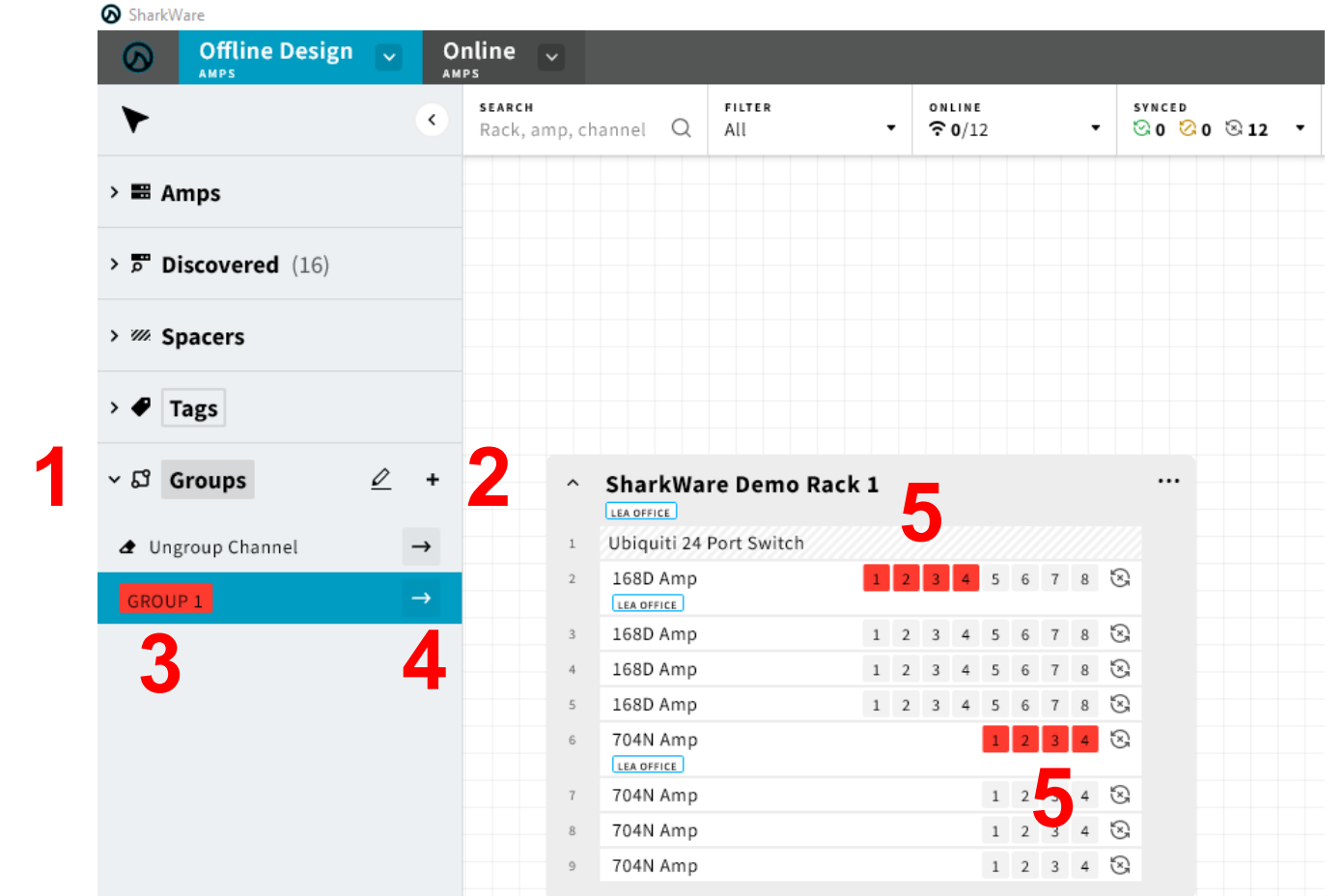
- Click on 

Step 5:

- Now Click on Amp Channels you want to Group

Step 6:

- Now go up to Offline Design and select Group Design. You now have a Group for Control, Monitoring, and Configuration



Assigning Channels to Multiple Groups

You can also assign amp channels to multiple groups

Step 1:

- Click on 'Group'

Step 2:

- Click on the '+' Next to Groups

Step 3:

- Name the second Group and select the color you want the Group to be

Step 4:

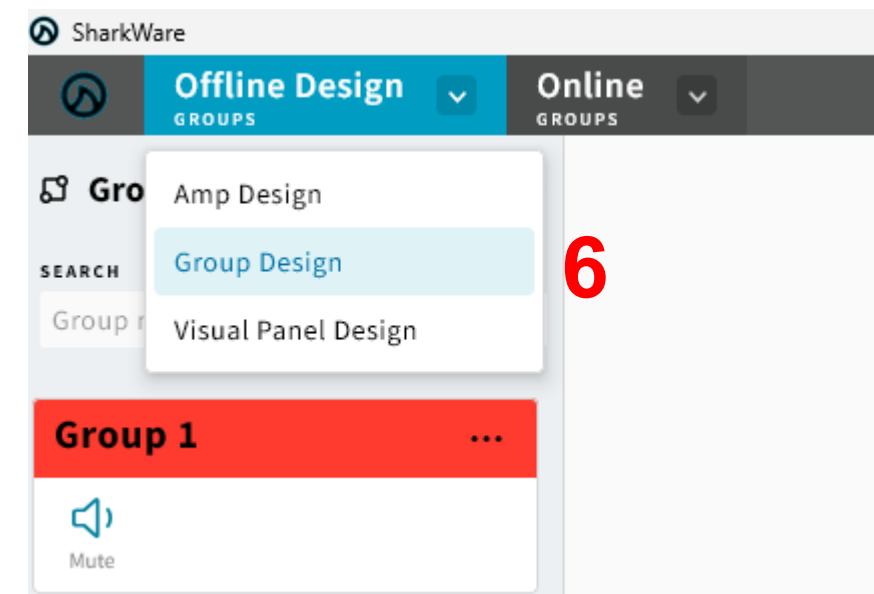
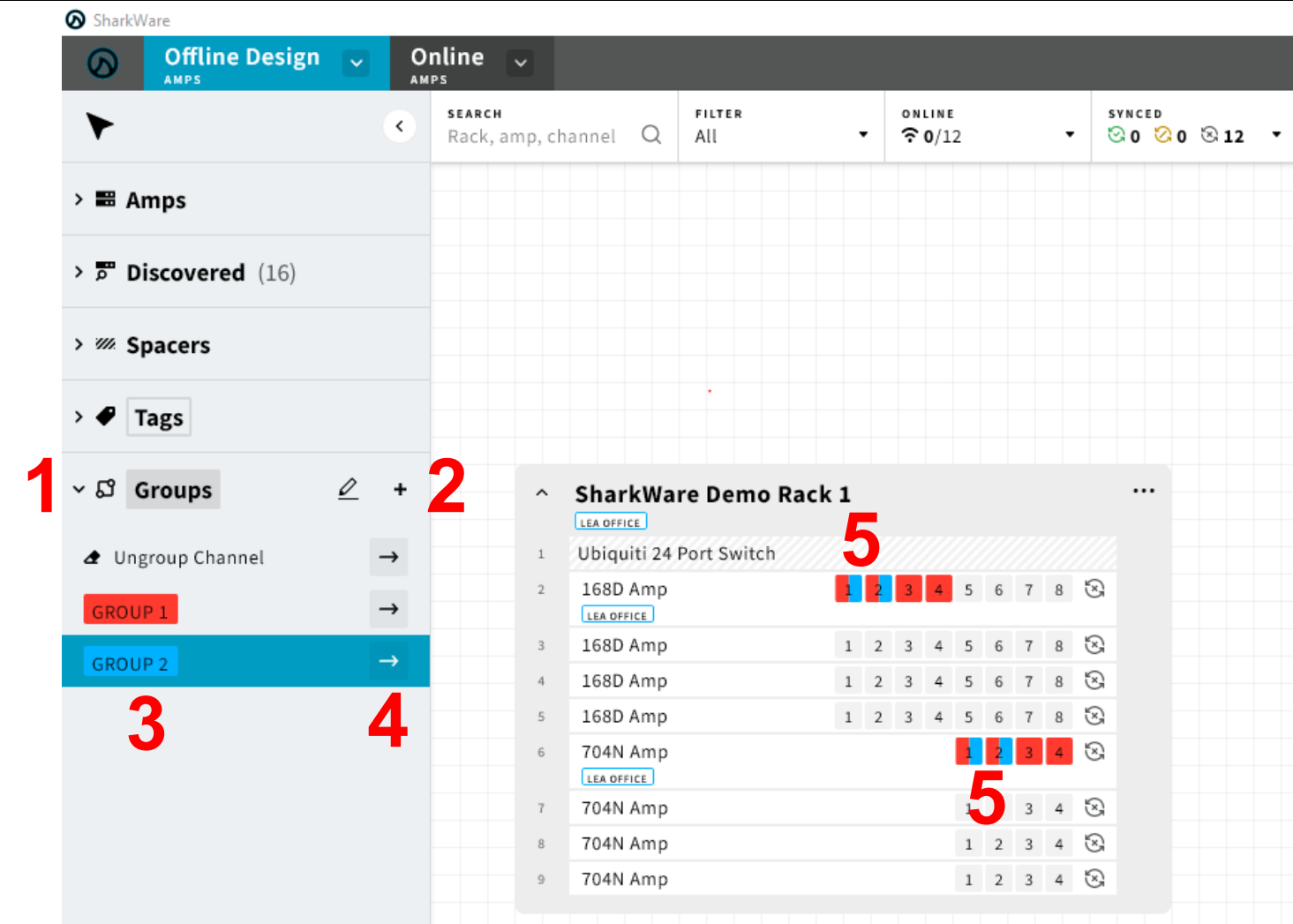
- Click on 

Step 5:

- Now Click on Amp Channels you want to Group

Step 6:

- Now go up to Offline Design and select Group Design. You now have a Group for Control, Monitoring, and Configuration




Labels

Labels allows you to insert text anywhere in the design canvas. Think of these as notes for the design

Step 1:

- Click on ‘Labels’

Step 2:

- Click on the  next to ‘Add Label’


Step 3:

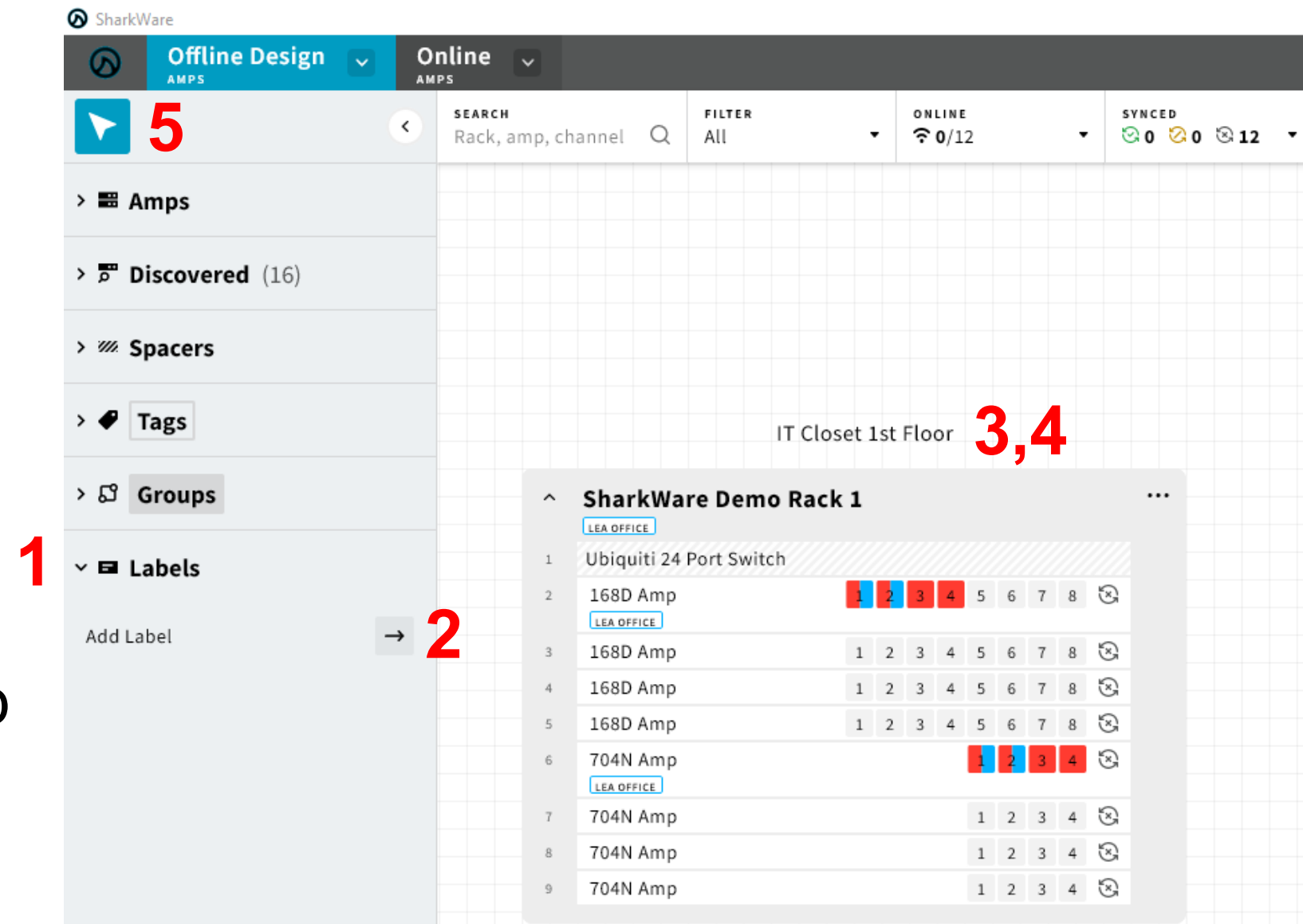
- Click into the design canvas

Step 4:

- Click on the label and type your note

Step 5:

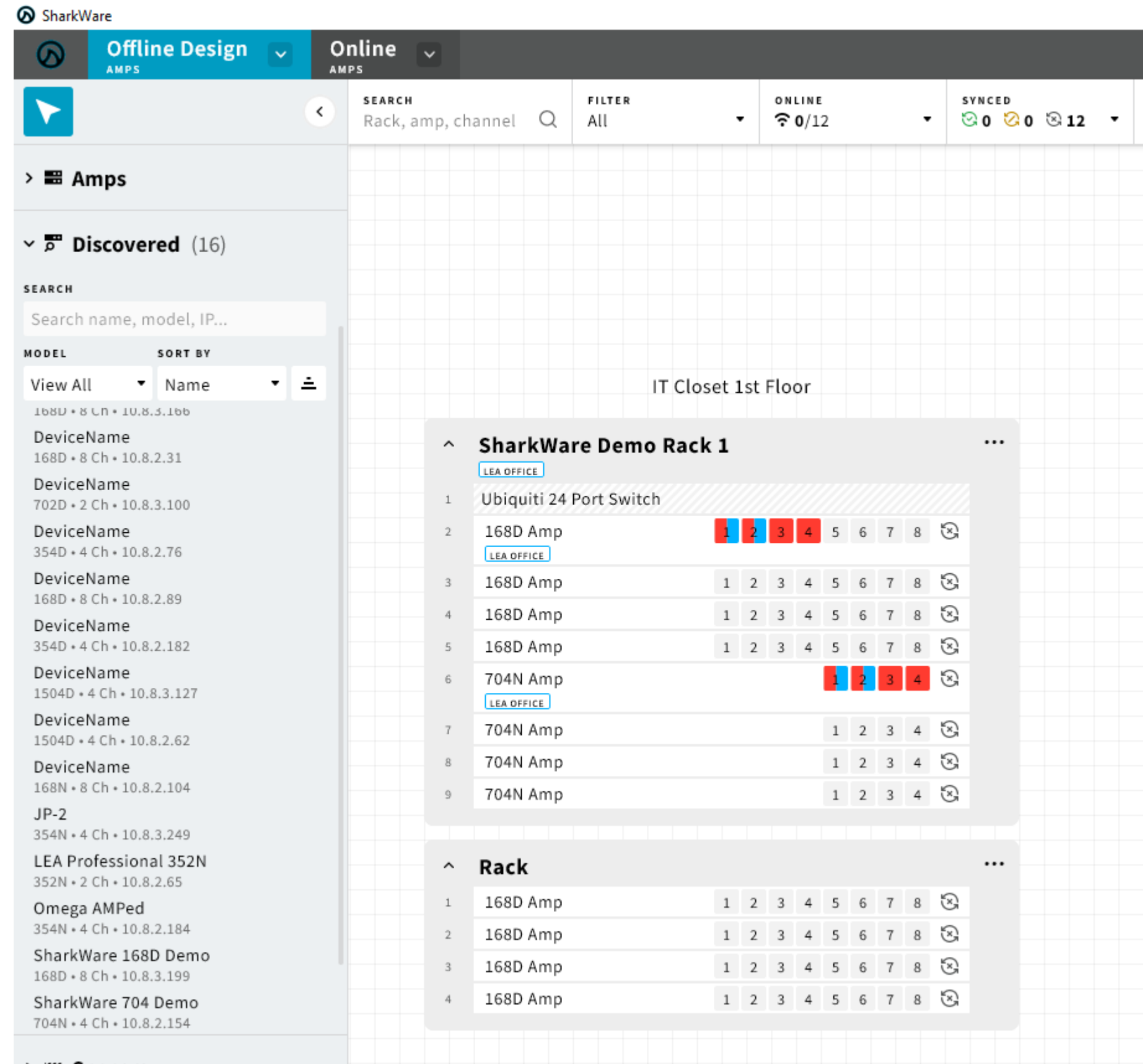
- Now Click the  in the top left and move the Label wherever you want



Discovered

If you have amplifiers on the same network at your computer, these amps will show up in the ‘Discovered’ section. There are 2 ways to add Discovered Amps into your design.

- **Assign Discovered Amps to Existing Offline Design Rack**
- **Add Discovered Amps to New Rack or Add them to Offline Design Rack**



The screenshot shows the SharkWare interface with the 'Offline Design' tab selected. The left sidebar shows a list of discovered amplifiers under the 'Discovered (16)' section. The main area displays a rack configuration for 'IT Closet 1st Floor'.

Discovered Amps List:

DeviceName	Model	IP
168D • 8 Ch • 10.8.2.31	168D • 8 Ch	10.8.2.31
702D • 2 Ch • 10.8.3.100	702D • 2 Ch	10.8.3.100
354D • 4 Ch • 10.8.2.76	354D • 4 Ch	10.8.2.76
168D • 8 Ch • 10.8.2.89	168D • 8 Ch	10.8.2.89
354D • 4 Ch • 10.8.2.182	354D • 4 Ch	10.8.2.182
1504D • 4 Ch • 10.8.3.127	1504D • 4 Ch	10.8.3.127
1504D • 4 Ch • 10.8.2.62	1504D • 4 Ch	10.8.2.62
168N • 8 Ch • 10.8.2.104	168N • 8 Ch	10.8.2.104
JP-2		
354N • 4 Ch • 10.8.3.249	354N • 4 Ch	10.8.3.249
LEA Professional 352N	352N • 2 Ch	10.8.2.65
Omega AMPed	354N • 4 Ch	10.8.2.184
SharkWare 168D Demo	168D • 8 Ch	10.8.3.199
SharkWare 704 Demo	704N • 4 Ch	10.8.2.154

Rack Configuration (IT Closet 1st Floor):

- SharkWare Demo Rack 1:**
 - 1: Ubiquiti 24 Port Switch
 - 2: 168D Amp (Ports 1, 2, 3, 4 highlighted)
 - 3: 168D Amp (Ports 1-8)
 - 4: 168D Amp (Ports 1-8)
 - 5: 168D Amp (Ports 1-8)
 - 6: 704N Amp (Ports 1, 2, 3, 4 highlighted)
 - 7: 704N Amp (Ports 1-4)
 - 8: 704N Amp (Ports 1-4)
 - 9: 704N Amp (Ports 1-4)
- Rack:**
 - 1: 168D Amp (Ports 1-8)
 - 2: 168D Amp (Ports 1-8)
 - 3: 168D Amp (Ports 1-8)
 - 4: 168D Amp (Ports 1-8)

Assign Discovered Amp to Existing Offline Design Rack

Step 1:

- Click on 'Discovered'

Step 2:

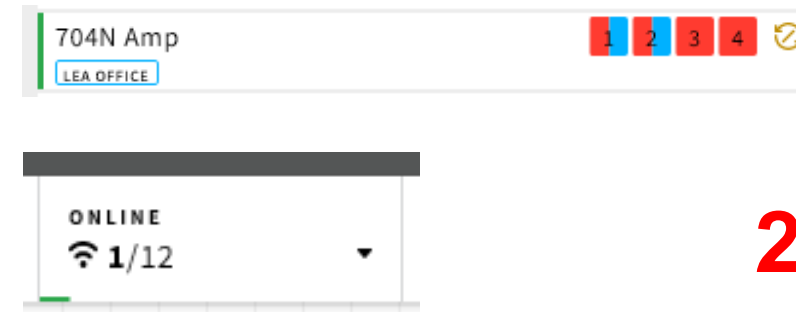
- Click on amp you want to add to Existing Offline Design Rack

Step 3:

- Click on the amp in the Rack where you want this amp to go

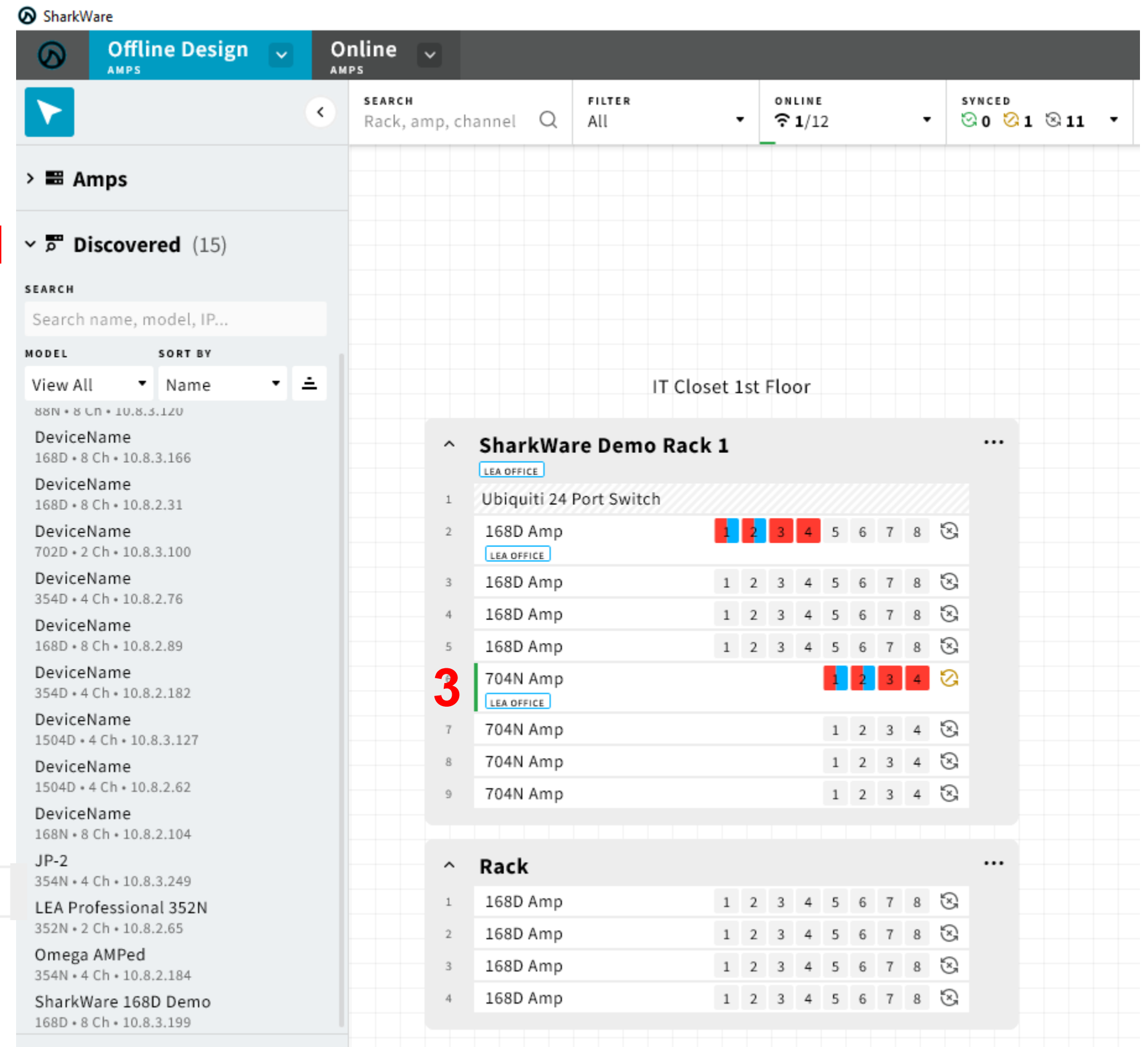
NOTE:

Once complete, you will see the amp has a green stripe next to it indicating it is now associated with that amp in the rack. It also disappears from the 'Discovered' section and now shows up at the top under 'Online'



1

2



The screenshot shows the SharkWare interface with the 'Offline Design' tab selected. The 'Discovered' section contains a list of devices with their model numbers and IP addresses. A red '1' is placed next to the 'Discovered' header. A red '2' is placed next to the '704N Amp' entry in the list. A red '3' is placed next to the '704N Amp' entry in the 'SharkWare Demo Rack 1' view, which is highlighted with a green background. The rack view shows a 'Ubiquiti 24 Port Switch' at slot 1 and several '168D Amp' and '704N Amp' units in subsequent slots. The '704N Amp' at slot 6 has a green stripe on its left side and a refresh icon on its right.

Add Discovered Amps to New Offline Design Rack

Step 1:

- Click on ‘Discovered’

Step 2:

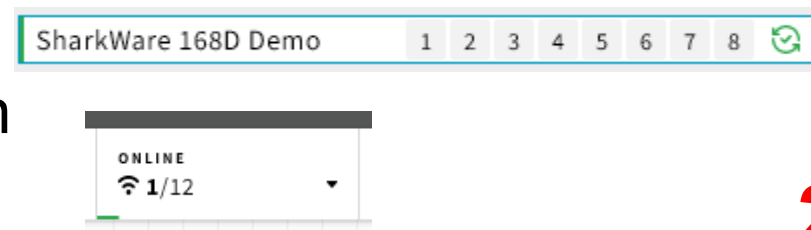
- Click on amp you want to add to Existing Offline Design Rack

Step 3:

- Click on the Design Canvas and it will place this Discovered amplifier into the design in it’s own rack

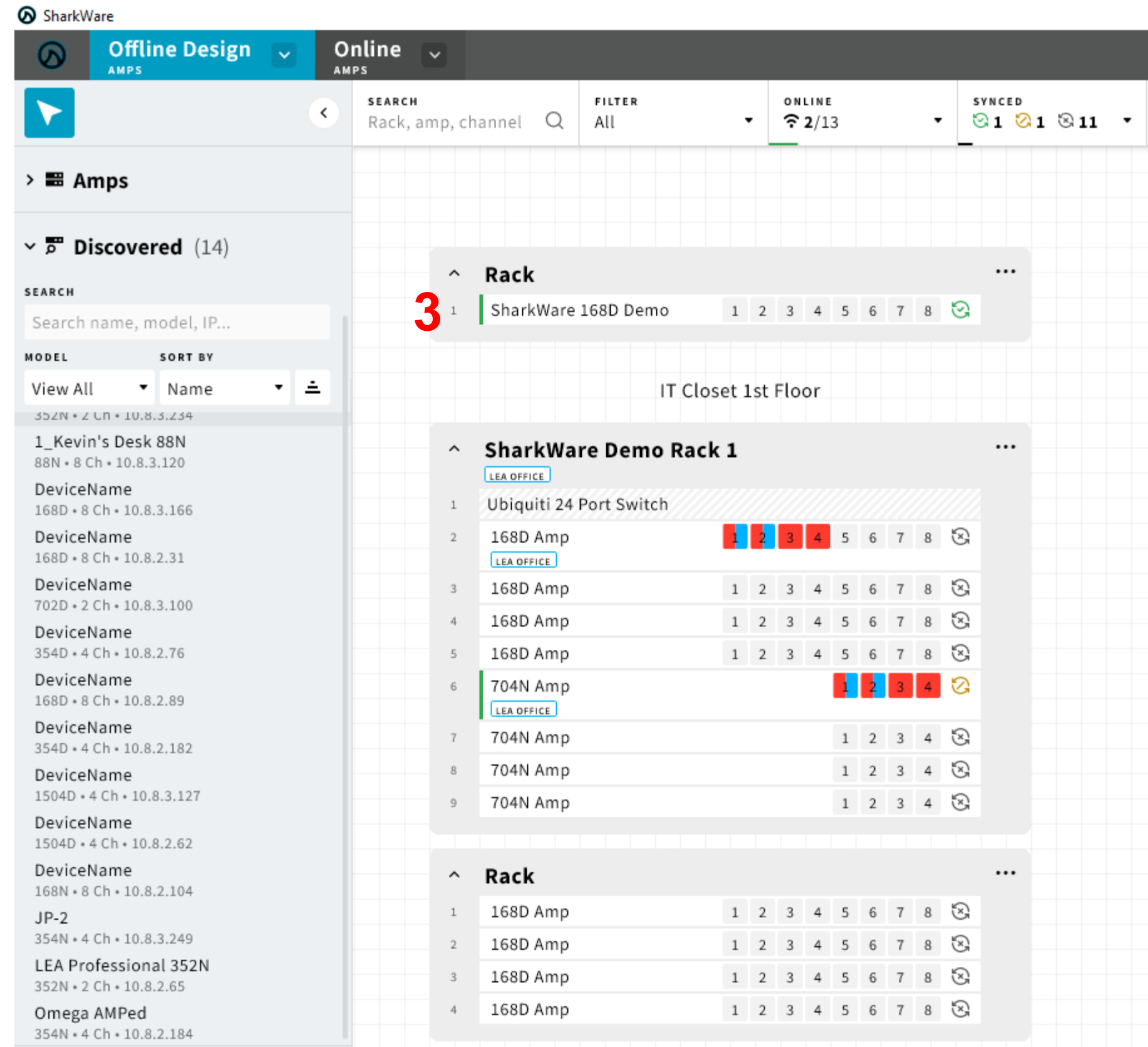
NOTE:

Once complete, you will see the amp has a green stripe next to it indicating it is now associated with that amp in the rack. It also disappears from the ‘Discovered’ section and now shows up at the top under ‘Online’



1

2



The screenshot shows the SharkWare interface with two tabs: 'Offline Design' and 'Online'. The 'Offline Design' tab is active, showing a list of 'Discovered' devices. A red '1' points to the 'Discovered' section. A red '2' points to the 'SharkWare 168D Demo' device in the list. The 'Online' tab shows a rack named 'SharkWare Demo Rack 1' with a red '3' pointing to the '168D Amp' slot, which now has a green stripe next to it, indicating it is associated with the rack. The interface also shows search filters, online status (2/13), and synced status (1/1/11).

Add Discovered Amps to Existing Offline Design Rack

Step 1:

- Click on 'Discovered'

Step 2:

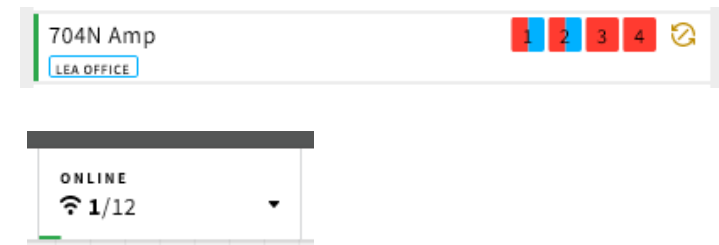
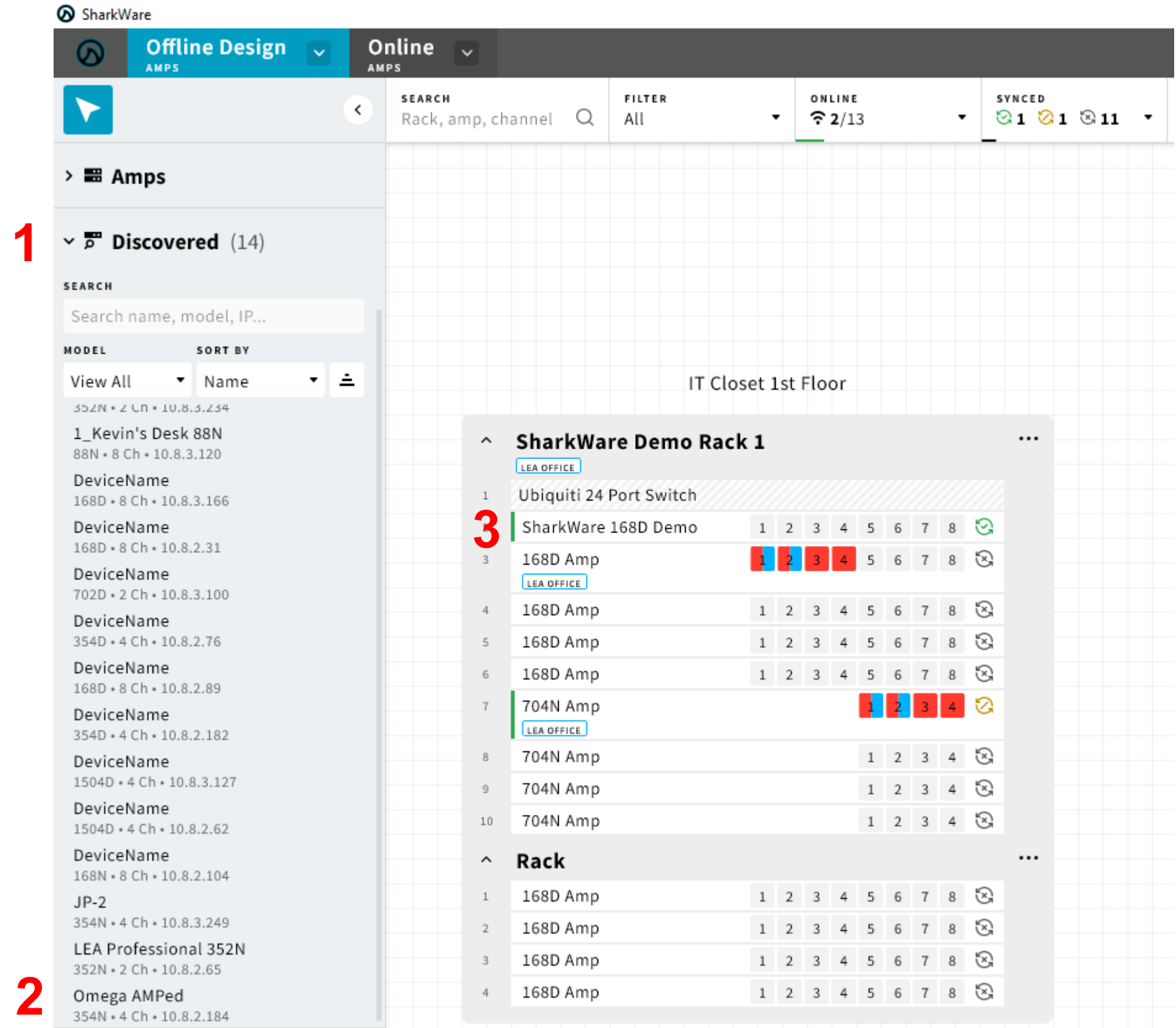
- Click on amp you want to add to Existing Offline Design Rack

Step 3:

- Hover over the amp rack until you see the '+'. Click on the '+' and it will **add** this amp into the existing design.

NOTE:

Once complete, you will see the amp has a green stripe next to it indicating it is now associated with that amp in the rack. It also disappears from the 'Discovered' section and now shows up at the top under 'Online'

SharkWare

Offline Design AMPS Online AMPS

SEARCH Rack, amp, channel FILTER All ONLINE 2/13 SYNCED 1 1 11

> Amps

1

Discovered (14)

SEARCH

Search name, model, IP...

MODEL SORT BY

View All Name

352N • 2 Ch • 10.8.3.234

1_Kevin's Desk 88N
88N • 8 Ch • 10.8.3.120

DeviceName
168D • 8 Ch • 10.8.3.166

DeviceName
168D • 8 Ch • 10.8.2.31

DeviceName
702D • 2 Ch • 10.8.3.100

DeviceName
354D • 4 Ch • 10.8.2.76

DeviceName
168D • 8 Ch • 10.8.2.89

DeviceName
354D • 4 Ch • 10.8.2.182

DeviceName
1504D • 4 Ch • 10.8.3.127

DeviceName
1504D • 4 Ch • 10.8.2.62

DeviceName
168N • 8 Ch • 10.8.2.104

JP-2
354N • 4 Ch • 10.8.3.249

LEA Professional 352N
352N • 2 Ch • 10.8.2.65

Omega AMPed
354N • 4 Ch • 10.8.2.184

IT Closet 1st Floor

SharkWare Demo Rack 1

LEA OFFICE

3

1 Ubiquiti 24 Port Switch

2 SharkWare 168D Demo 1 2 3 4 5 6 7 8

3 168D Amp 1 2 3 4 5 6 7 8

LEA OFFICE

4 168D Amp 1 2 3 4 5 6 7 8

5 168D Amp 1 2 3 4 5 6 7 8

6 168D Amp 1 2 3 4 5 6 7 8

7 704N Amp 1 2 3 4

LEA OFFICE

8 704N Amp 1 2 3 4

9 704N Amp 1 2 3 4

10 704N Amp 1 2 3 4

Rack

1 168D Amp 1 2 3 4 5 6 7 8

2 168D Amp 1 2 3 4 5 6 7 8

3 168D Amp 1 2 3 4 5 6 7 8

4 168D Amp 1 2 3 4 5 6 7 8

Amp Design

Step 1:

- Click on  in the top left

Step 2:

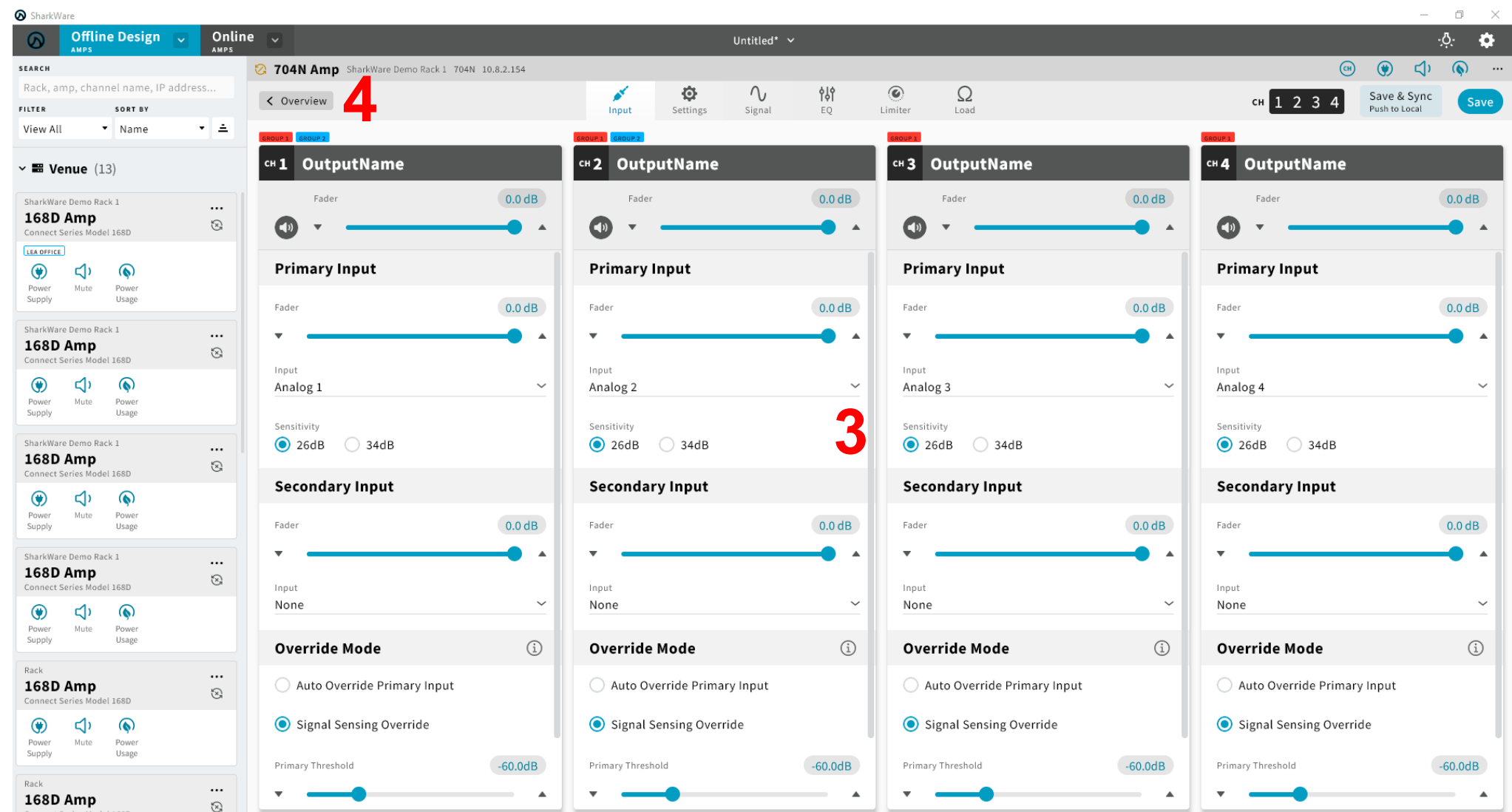
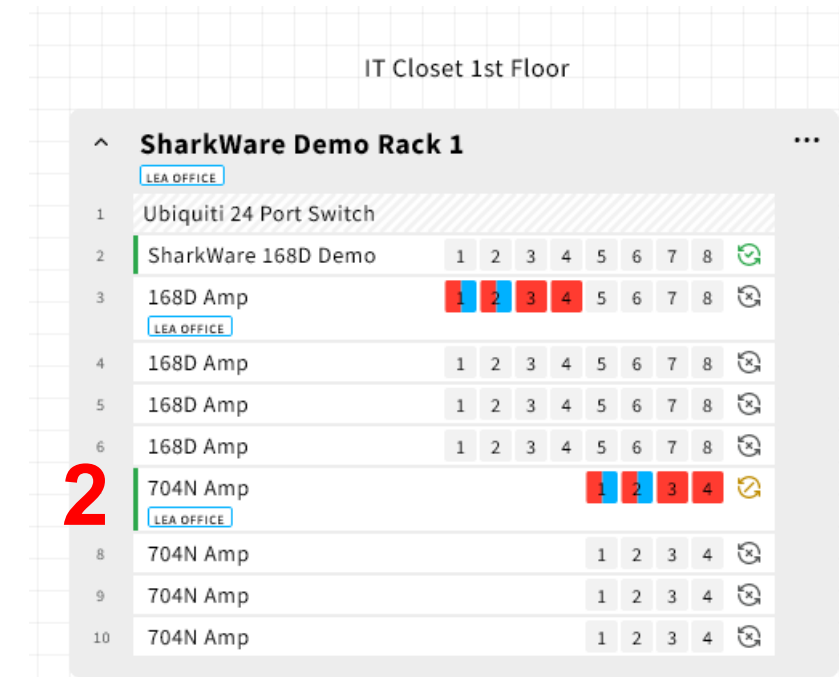
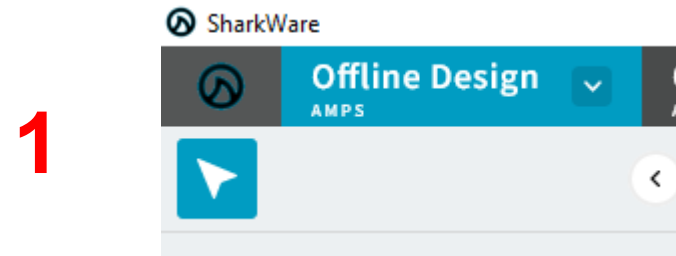
- Double Click on the amp you want to configure in the Design Canvas

Step 3:

- Configure the amp

Step 4:

- Click  in the top left to get back to the design canvas





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Offline System Design – Group Design

Group Design

Step 1:

- Click on the  next to Offline Design and select 'Group Design'

Step 2:

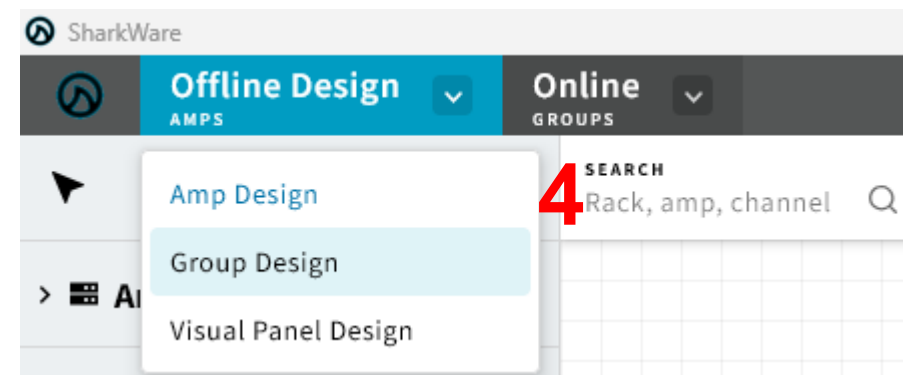
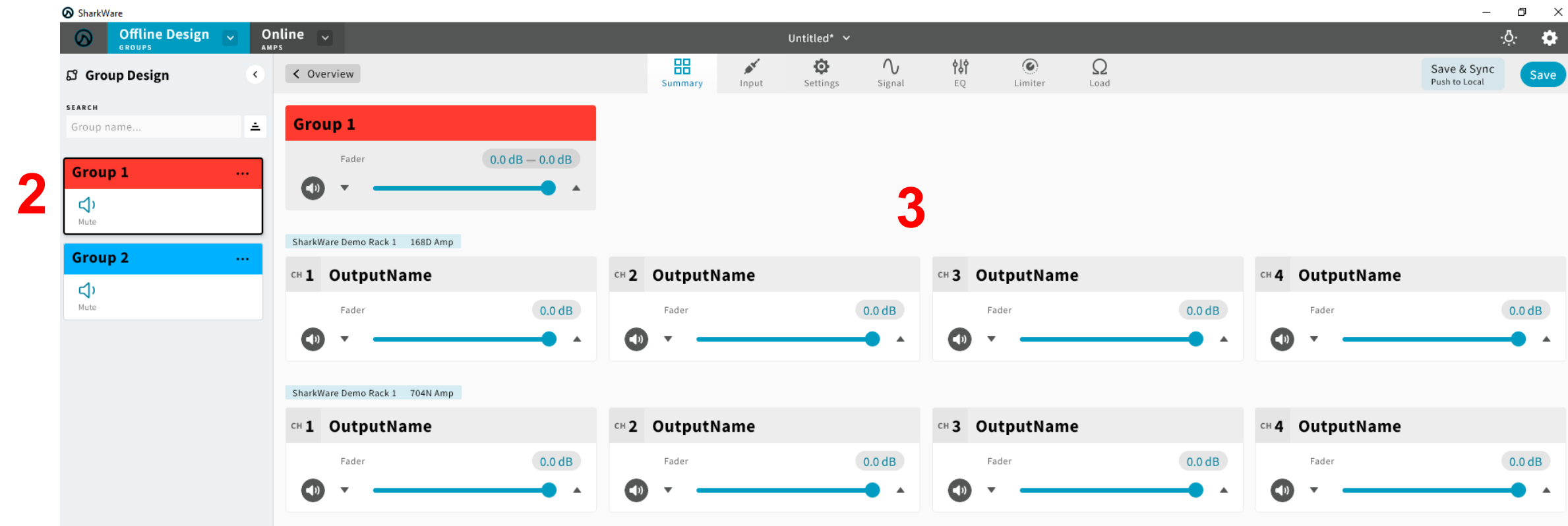
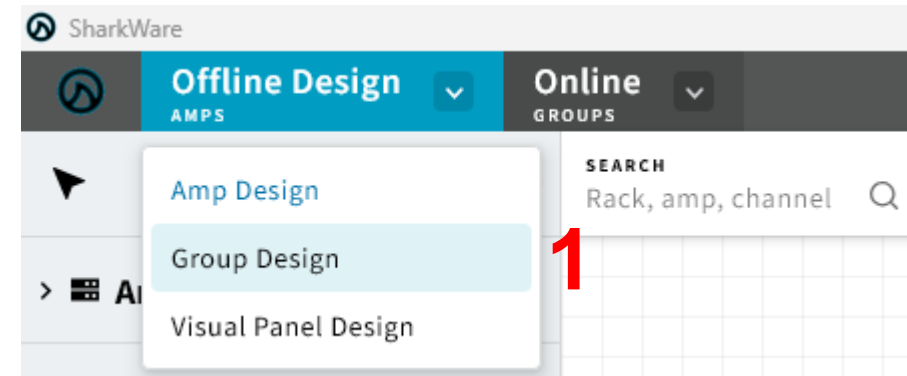
- Select which Group you would like to configure

Step 3:

- Configure the Group

Step 4:

- Click on the  next to Offline Design and select 'Amp Design' to go back to Design Canvas



Visual Panel Design

Step 1:

- Click on the  next to Offline Design and select 'Visual Panel Design'

Step 2:

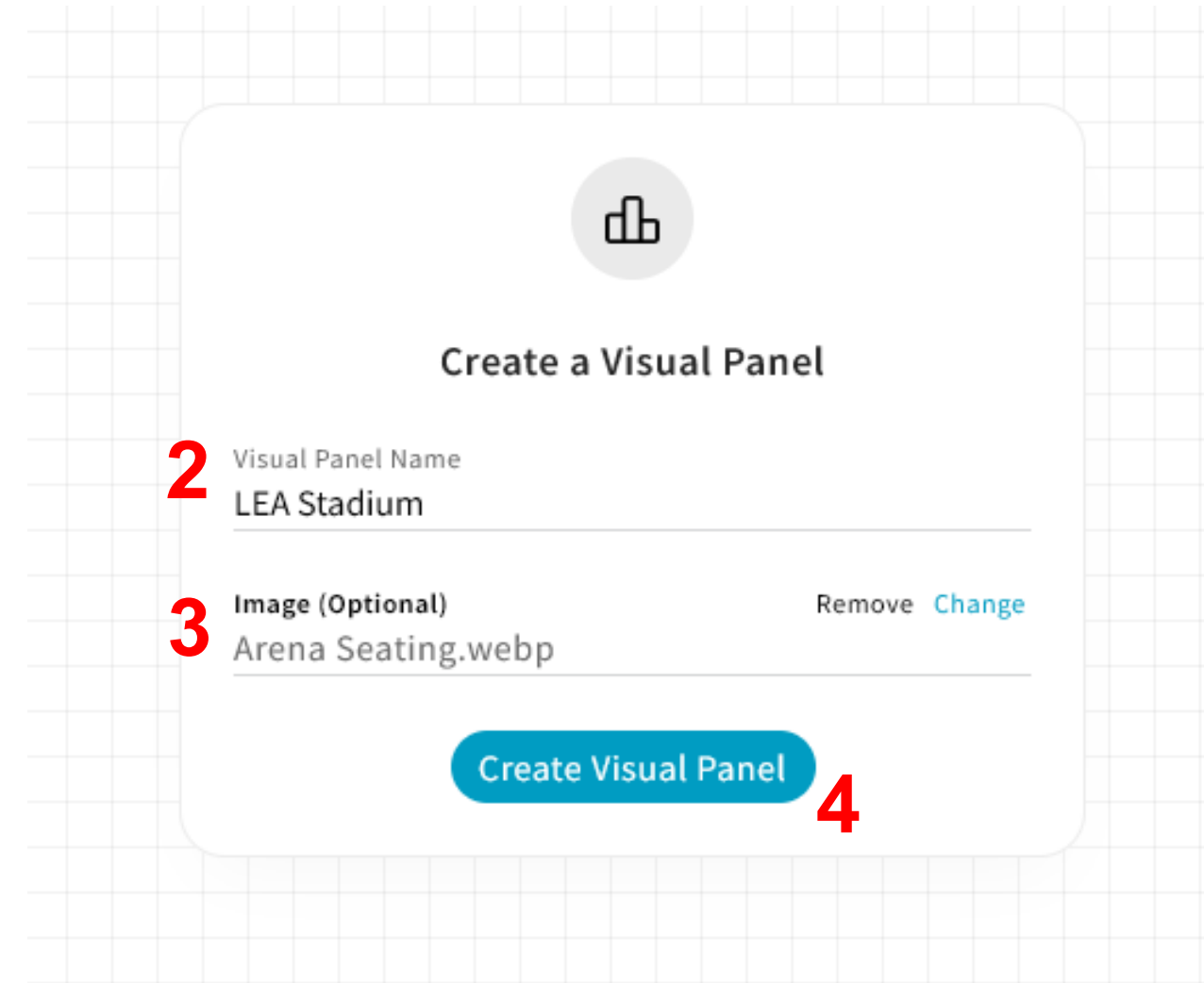
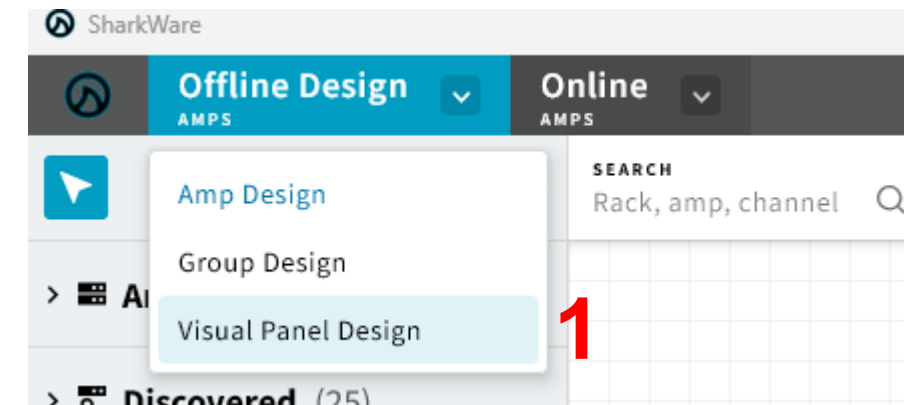
- Name the Visual Panel

Step 3:

- Upload Image (Optional)

Step 4:

- Click "Create Visual Panel"



Visual Panel Design

Step 1:

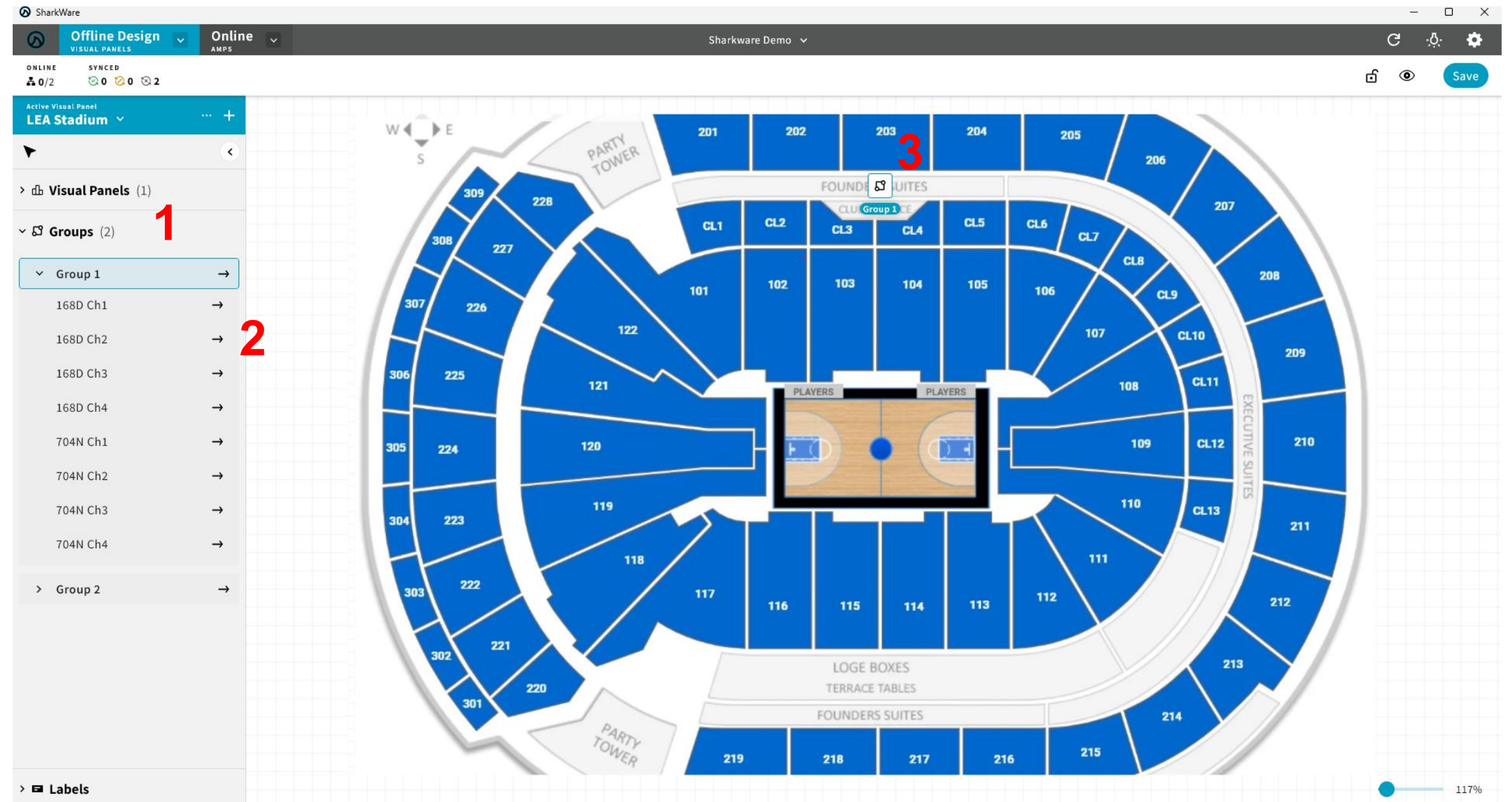
- Click on “Groups”

Step 2:

- Click on the group or individual channel you would like to add to the Visual Panel.

Step 3:

- Click the location on the image where you would like to add the group or channel control.







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Visual Panel Design

Labels (1):

- Click “Add Label” then click the location on the image where you would like to add the label.

Lock (2):

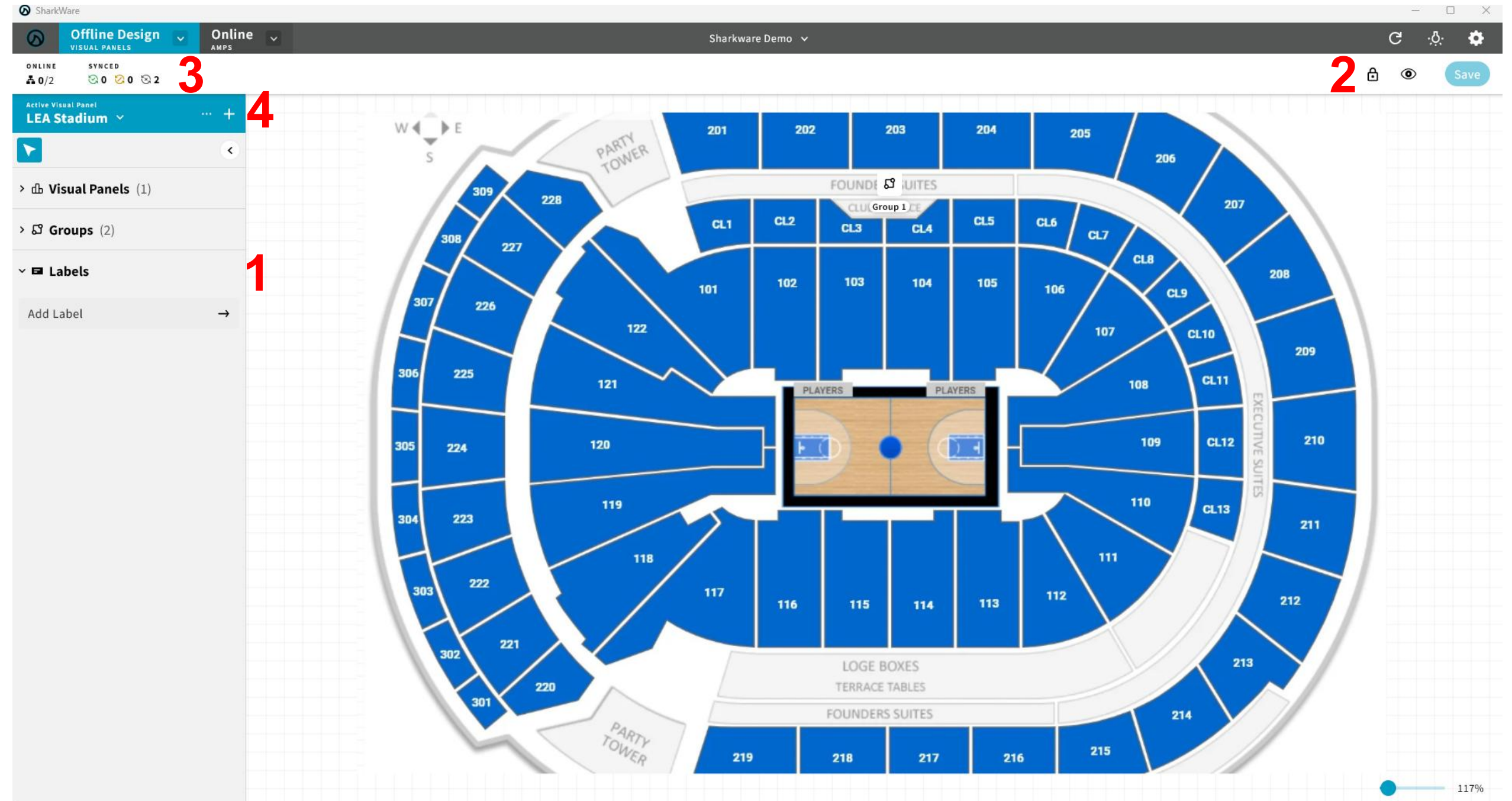
- Click the  icon to lock the elements of the Visual Panel 

Rename/Delete Panel (3):

- Click the  icon to rename or delete the current panel.

Create New Panel (4):

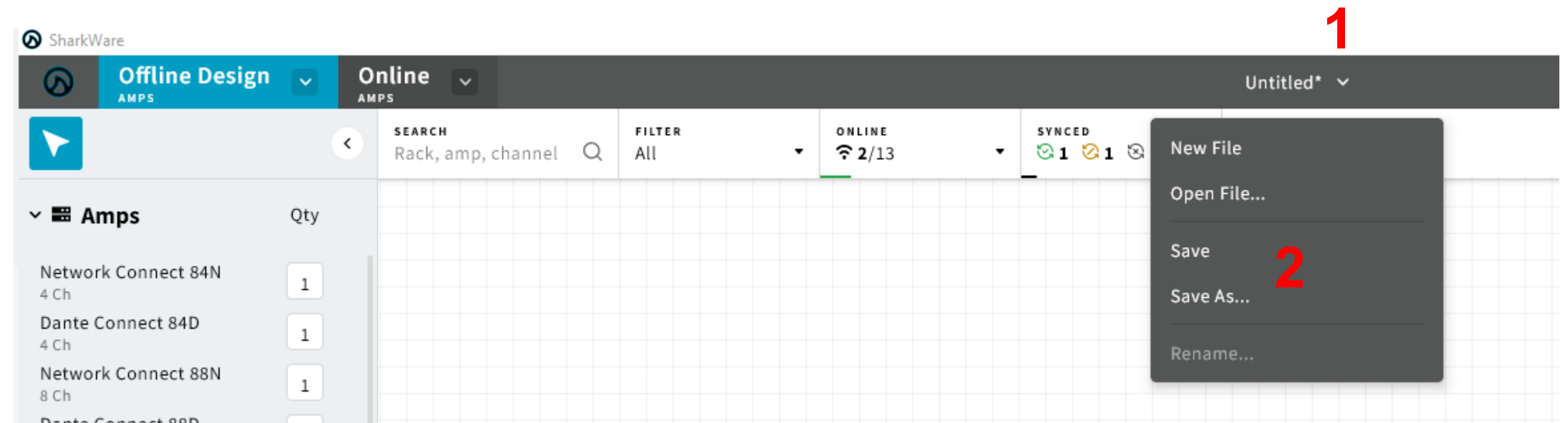
- Click on  icon to create a new (additional) Visual Panel



Saving the Design File

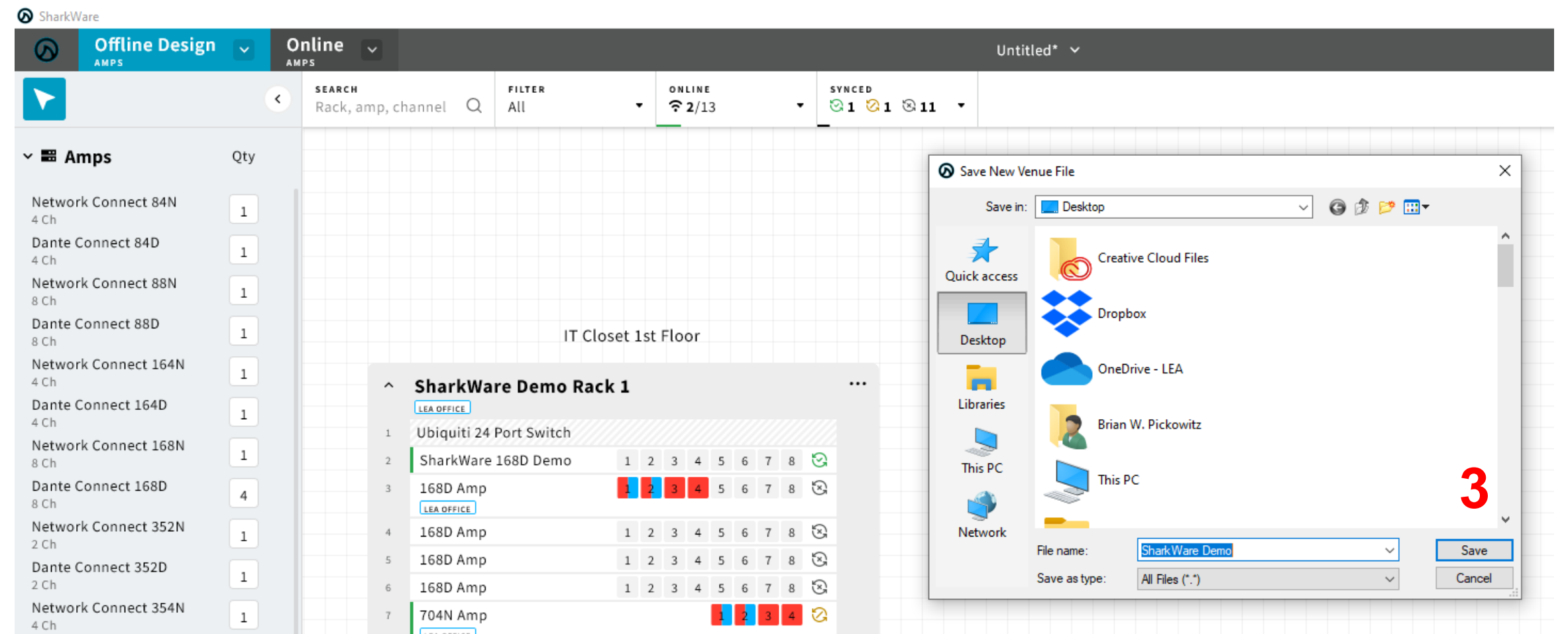
Step 1:

- Click on the  in the top center of SharkWare



Step 2:

- Select 'Save' or 'Save As' based on your preference



Step 3:

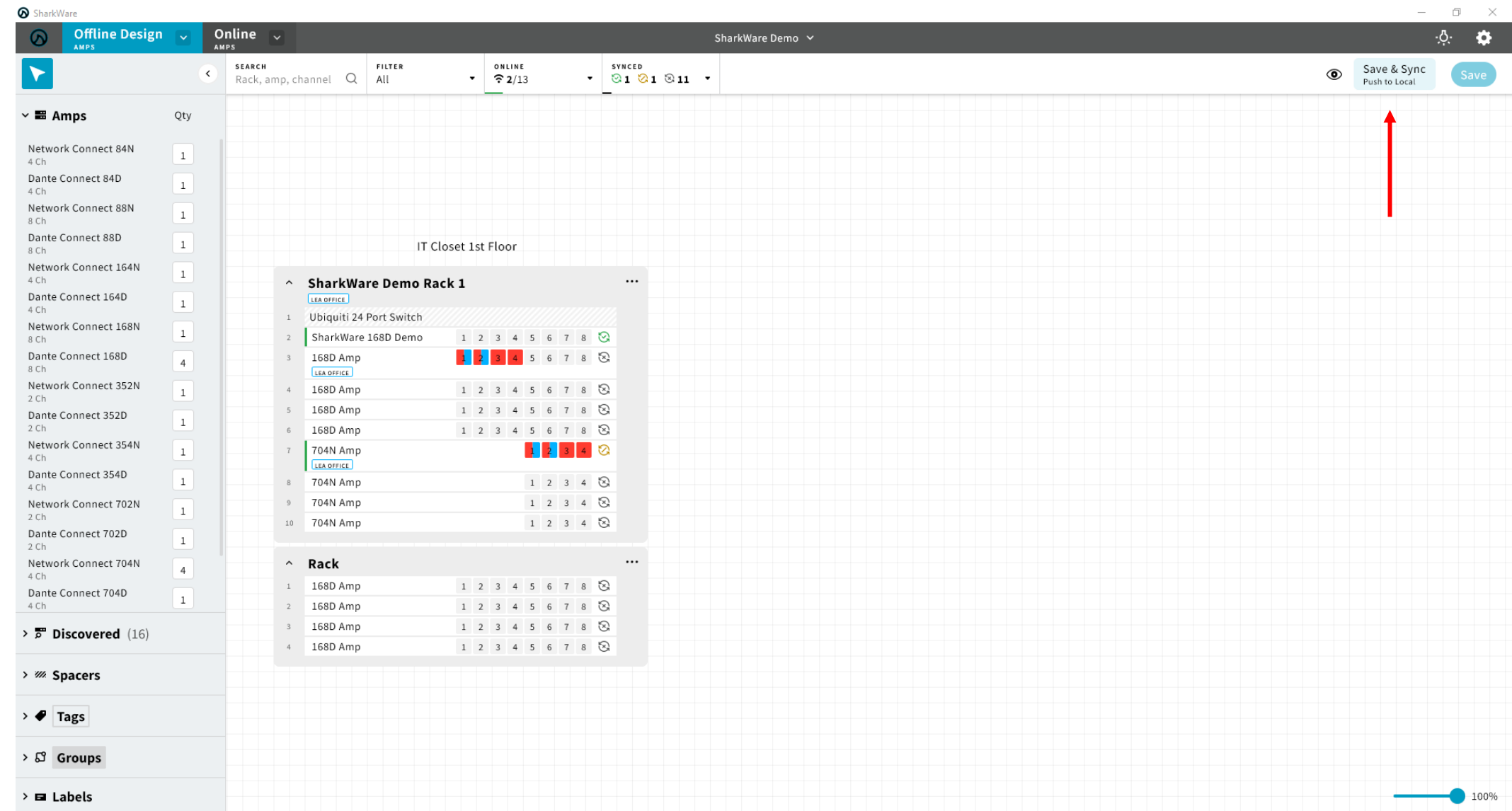
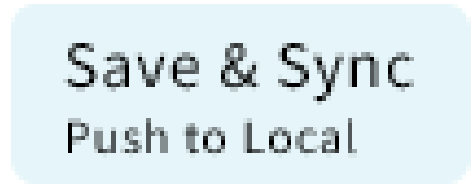
- Name File, Select which folder to save file, then click 'Save'

Save & Sync – Push to Local

When you are in Offline Design Mode, you will notice there is a ‘Save & Sync Push to Local’ box in the right hand corner.

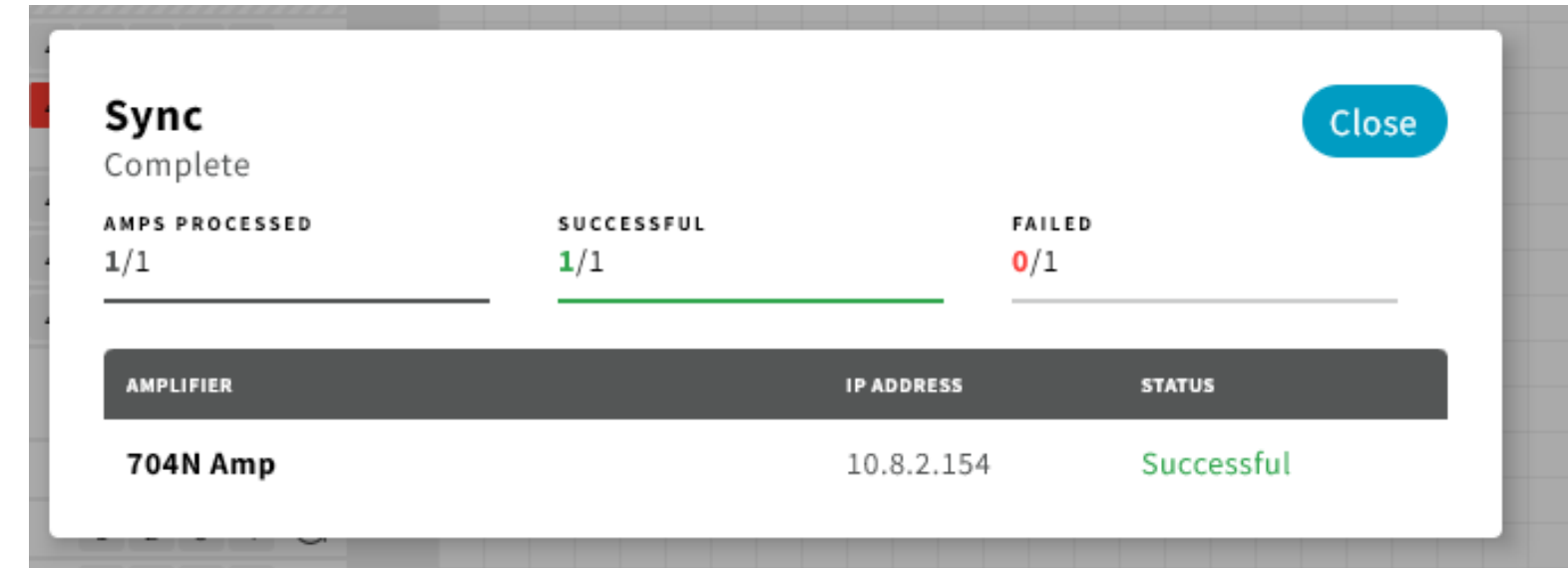
When you click on this button, it will Save the file & it will also push all offline settings to the online amps once you transition from Offline Design to Online Mode.

You will also notice the ‘Save & Sync Push to Local’ button only appears when a change has been made from the current saved file





Save & Sync – Push to Local


Once ‘Save & Sync – Push to Local’ is pressed, the software will save the design file and push the settings to Online mode. Now online and offline mode both have the same settings.

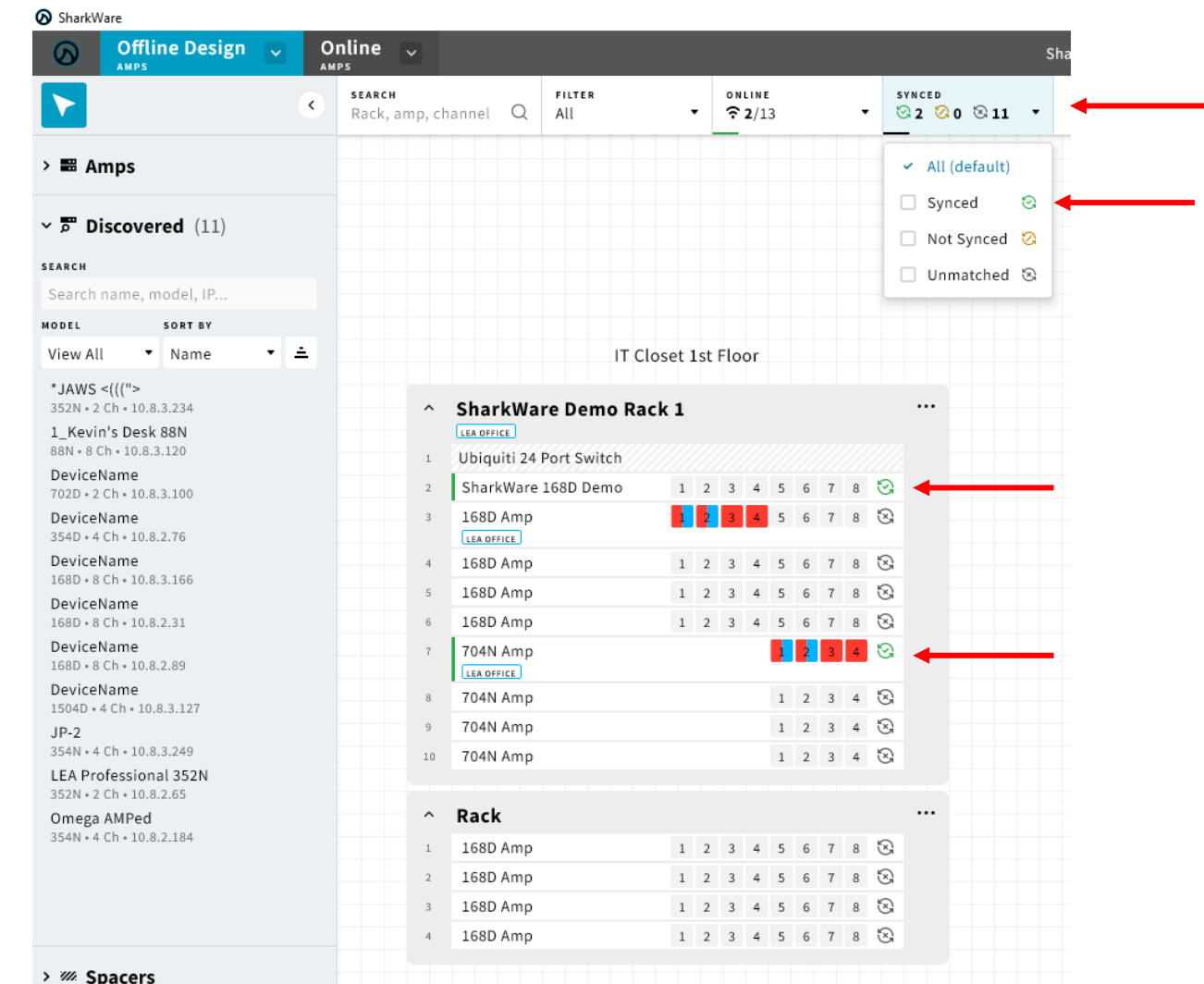


Synced, Not Synced, Unmatched

Synced  Indicates the Offline & Online file are in sync with the settings of the amplifier.

Not Synced  Indicates the Offline or Online File is not the same settings as the amplifier connected to SharkWare

Unmatched  Indicates the amplifier in the Offline or Online File is not matched to an amplifier that is currently on the network

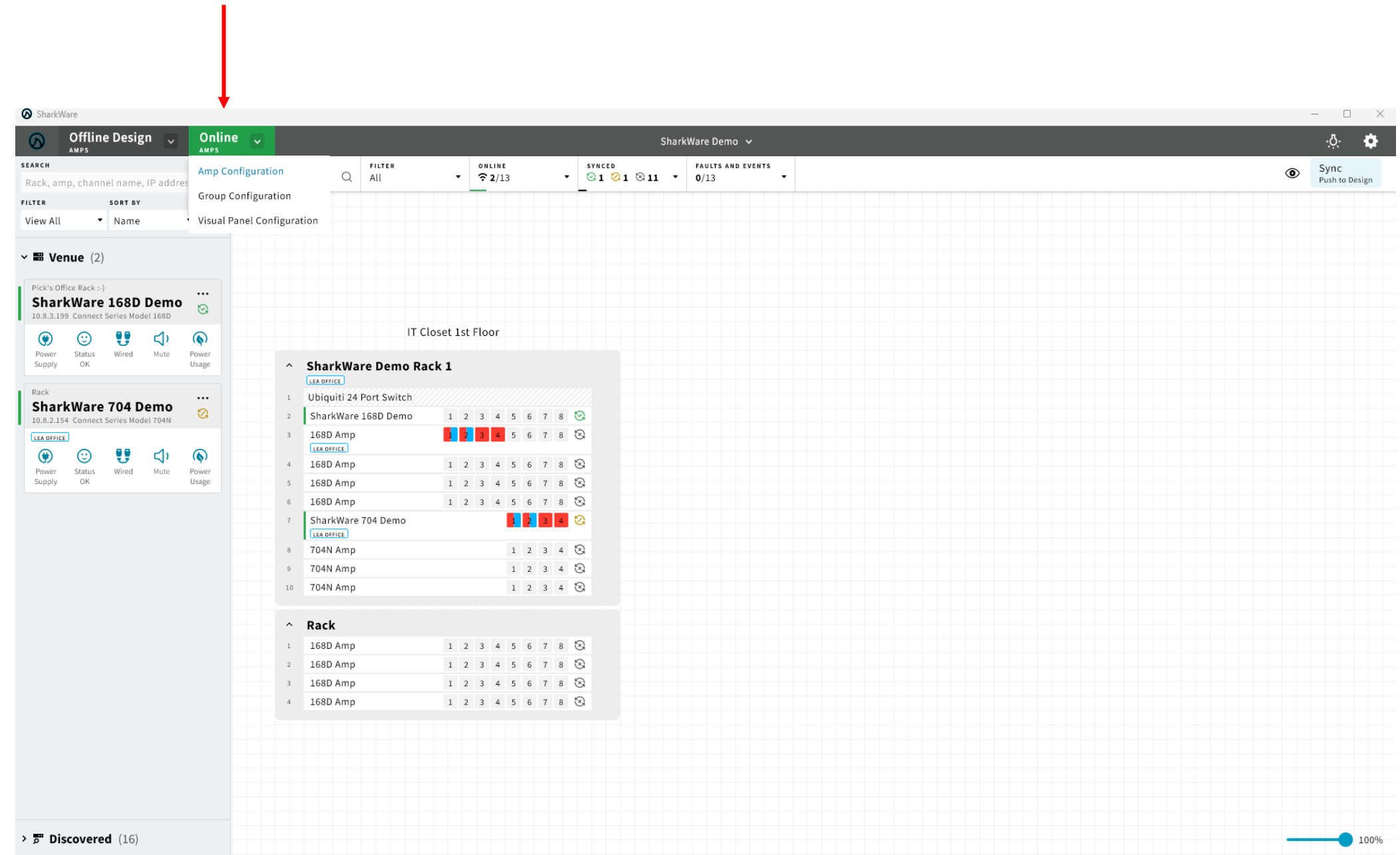


Online Mode

After you've designed your system and have assigned discovered devices to amps in the Design Canvas, you can control, monitor, and configure your file in Online Mode.

Once in Online Mode, any changes or adjustments are done in real time

You can make individual amp adjustments or Group Adjustments in Online Mode



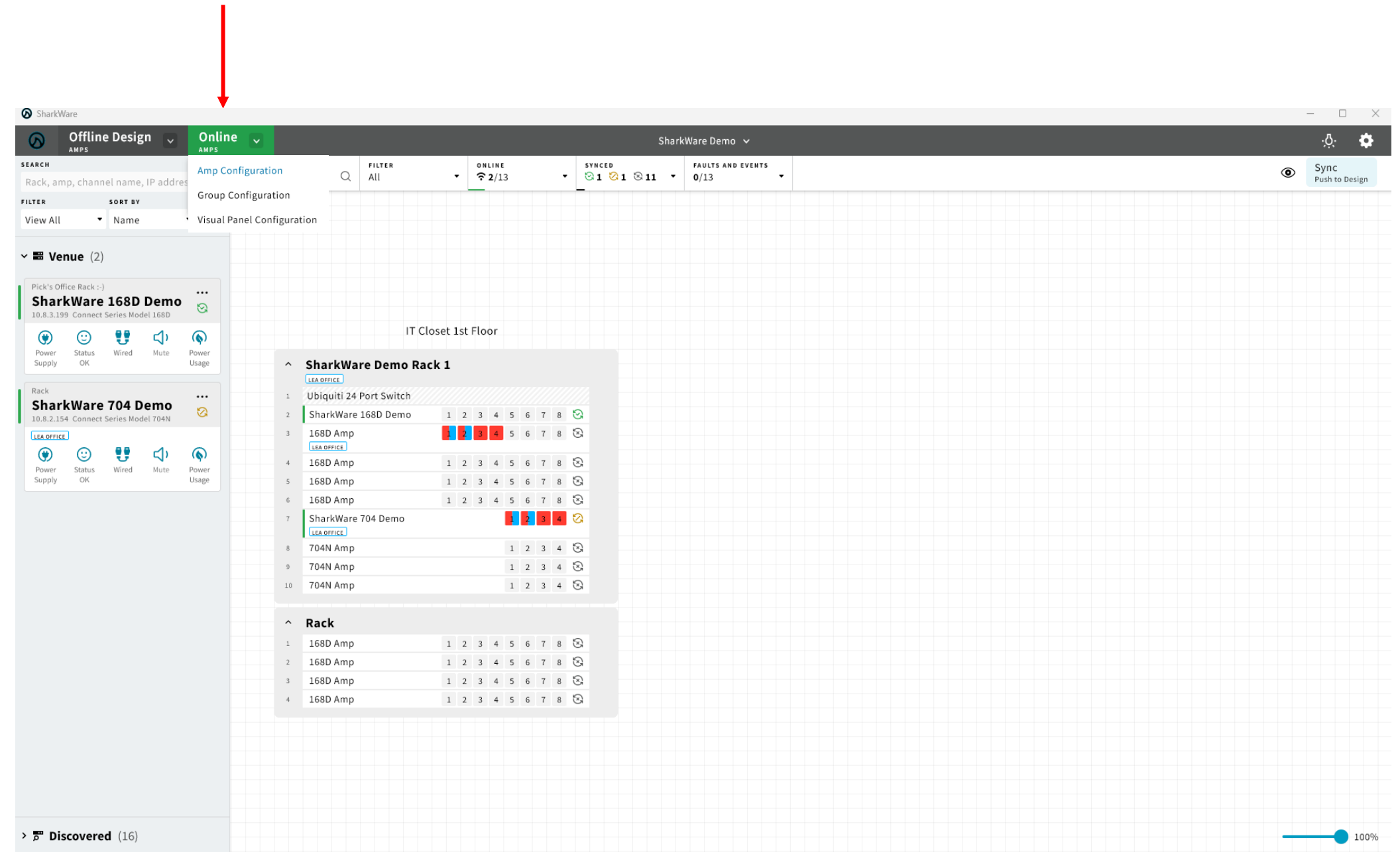


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Online Mode – Amp Control and Monitoring

Under 'Online Amps' select 'Amp Configuration'. To Control and monitor and individual amp either:

- Double click on the online amp in the design canvas
- Click on the amp in the left hand window under 'Venue'



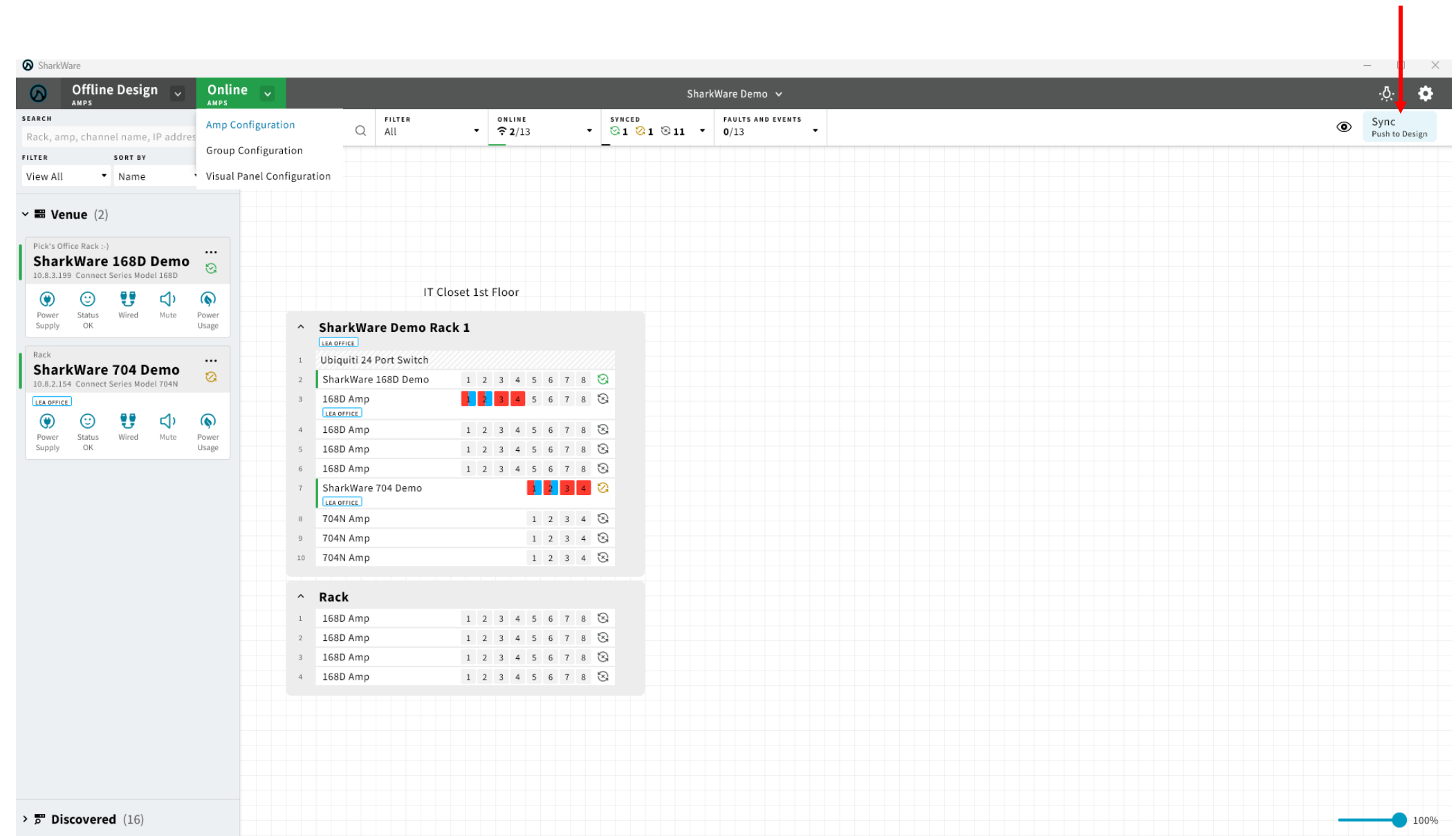
Sync Push to Design

If a change is done to an amplifier or a group in Online Mode, you will notice the ‘Sync Push to Design’ button appears.

This indicates a change has been made in online mode different from the Offline Design.

If you push ‘Sync Push to Design’ the Online changes will be pushed to the Offline Design mode of Sharkware.

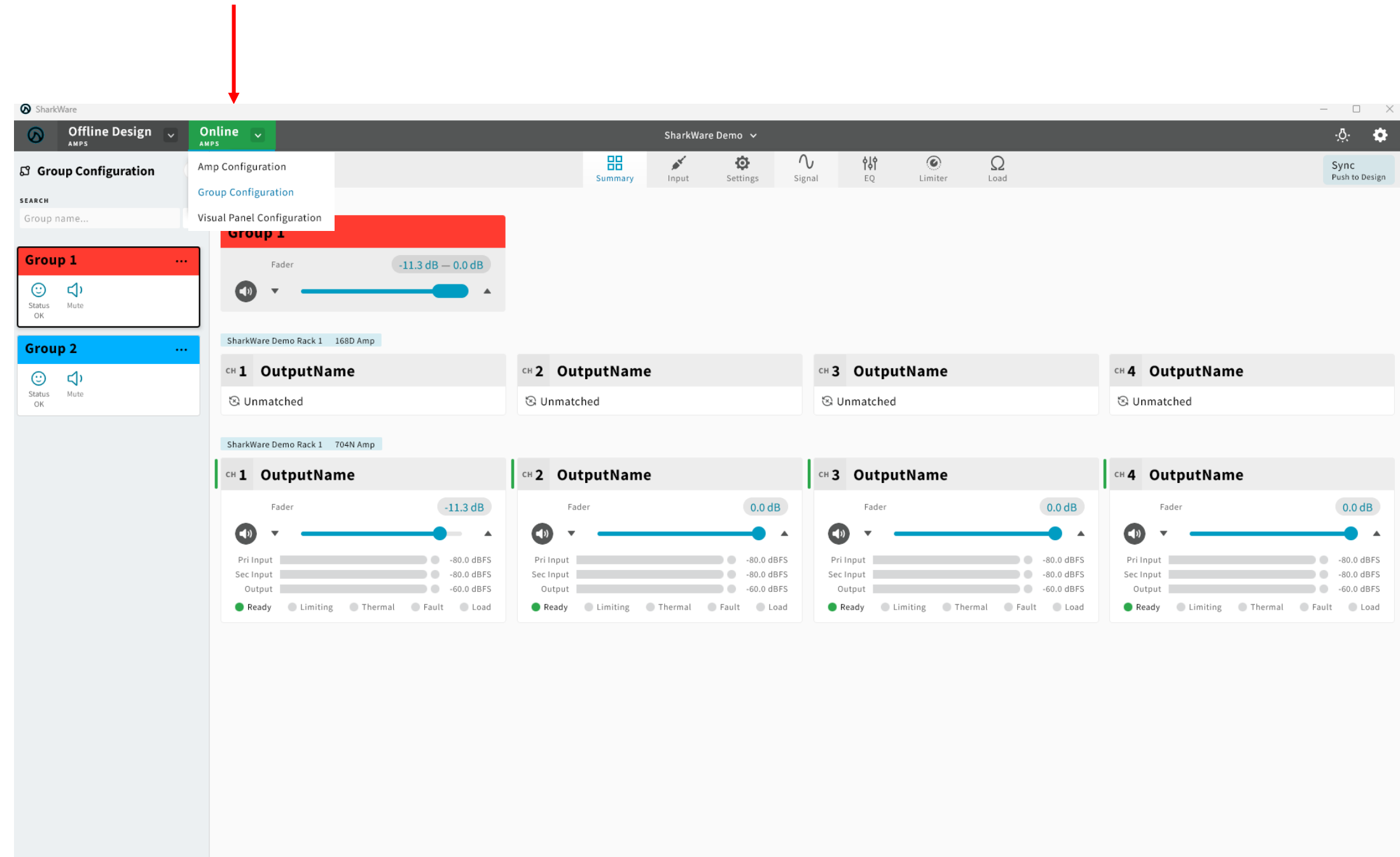
Sync
Push to Design



Online Mode – Group Control and Monitoring

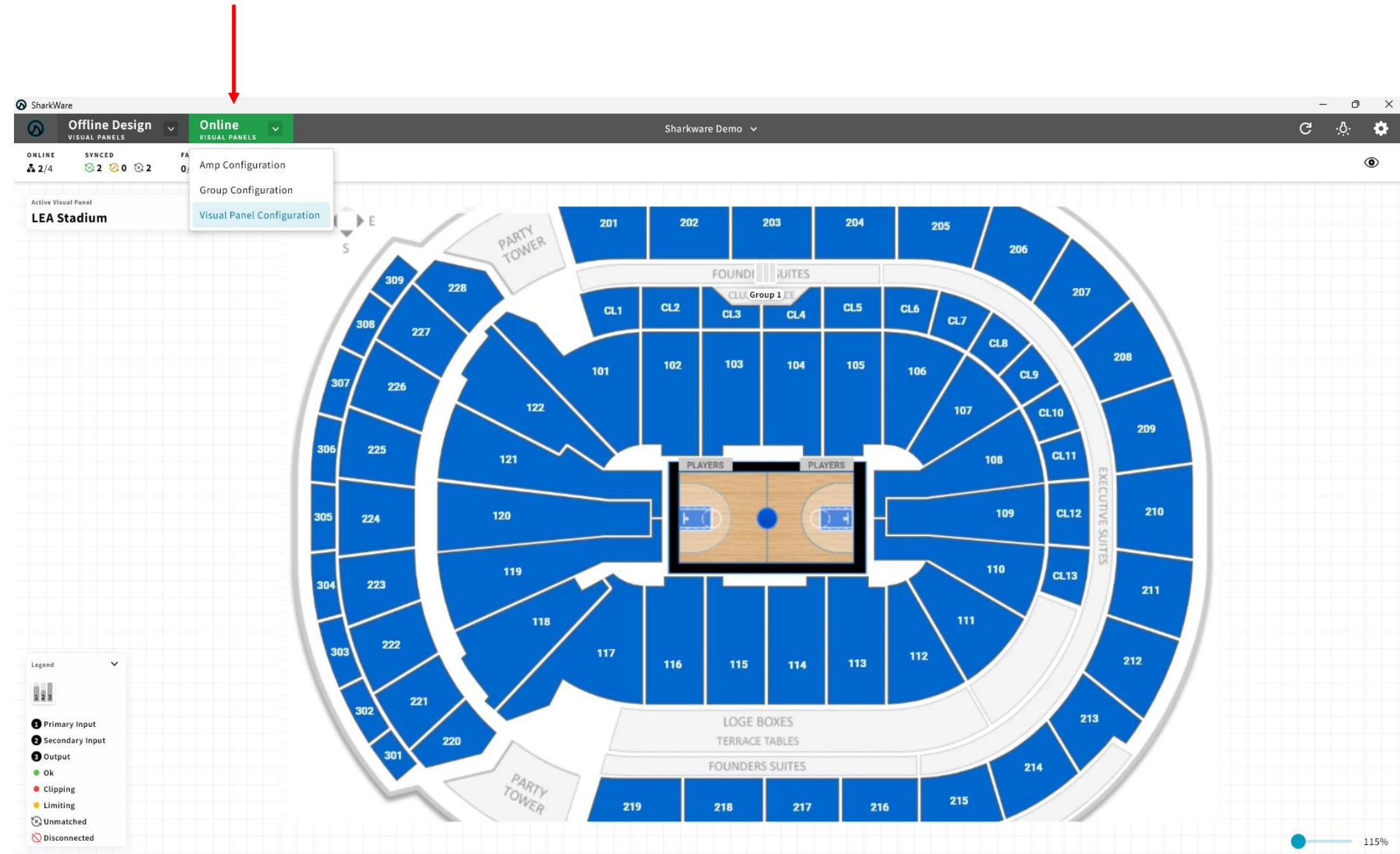
Under ‘Online Amps’ select ‘Group Configuration’. This mode allows you to Control and monitor Groups you have setup in real time with online amplifiers

- This mode allows you to make group adjustments to any of the settings of the amplifiers assigned to that group.




Online Mode – Visual Panel Control and Monitoring

Under ‘Online Amps’ select ‘Visual Panel Configuration’. This mode allows you to Control and monitor Visual Panels you have setup in real time with online amplifiers



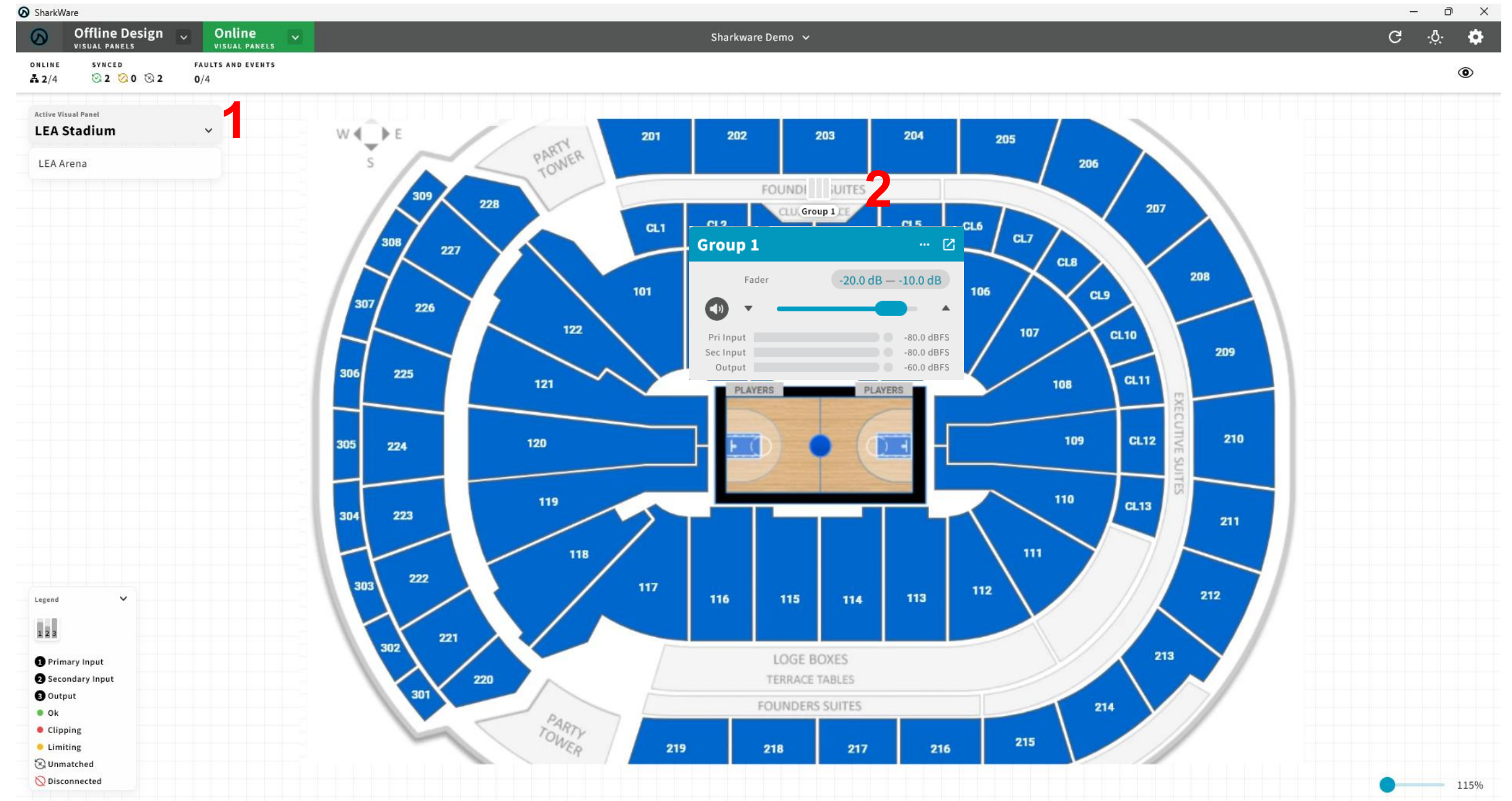
Online Mode – Visual Panel Control and Monitoring

Switch Panels (1)

- Click the  icon next to the Visual Panel name to switch the Active Visual Panel.

Volume Control (2)

- Click on a group or individual channel within the Visual Panel to open its volume control and view signal meters.



Auto-Load Last Opened File

This will automatically load the last saved file everytime Sharkware is opened. This option is has the ability to be turned on or off by the user.

Step 1:

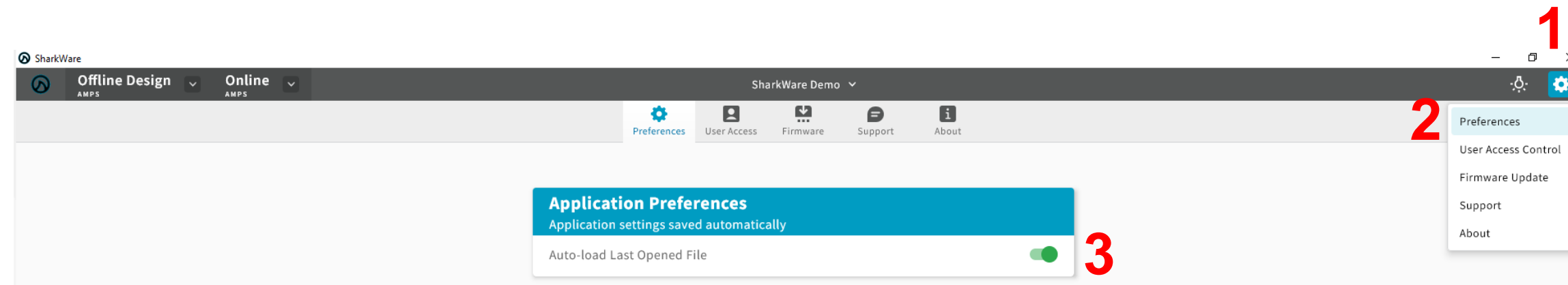
- Click on the  icon in the top right

Step 2:

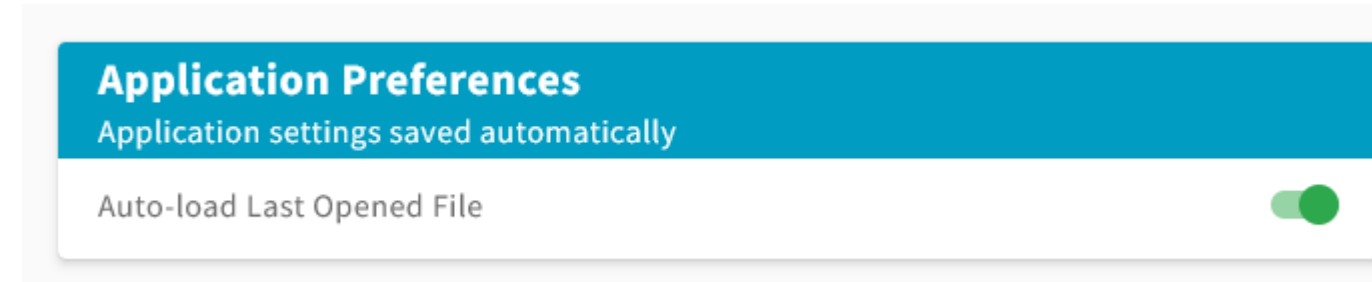
- Select ‘Preferences’

Step 3:

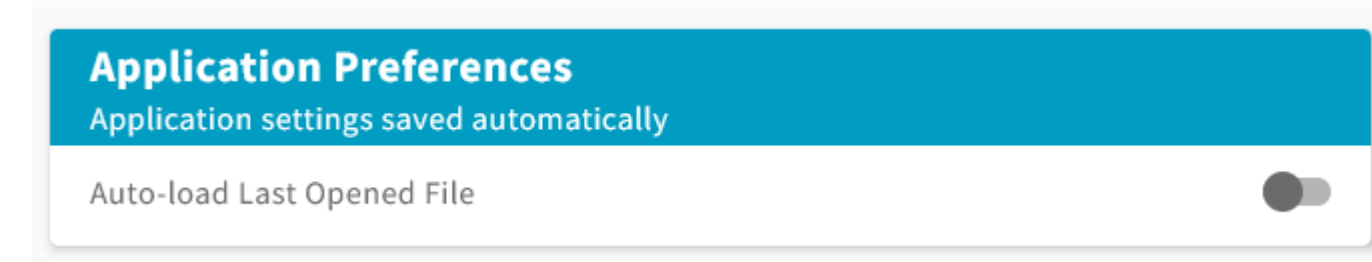
- Enable or Disable Auto-Load Last Opened File



Auto-Load is Enabled



Auto-Load is Disabled



User Access Control

Step 1:

- Click on the  icon in the top right

Step 2:

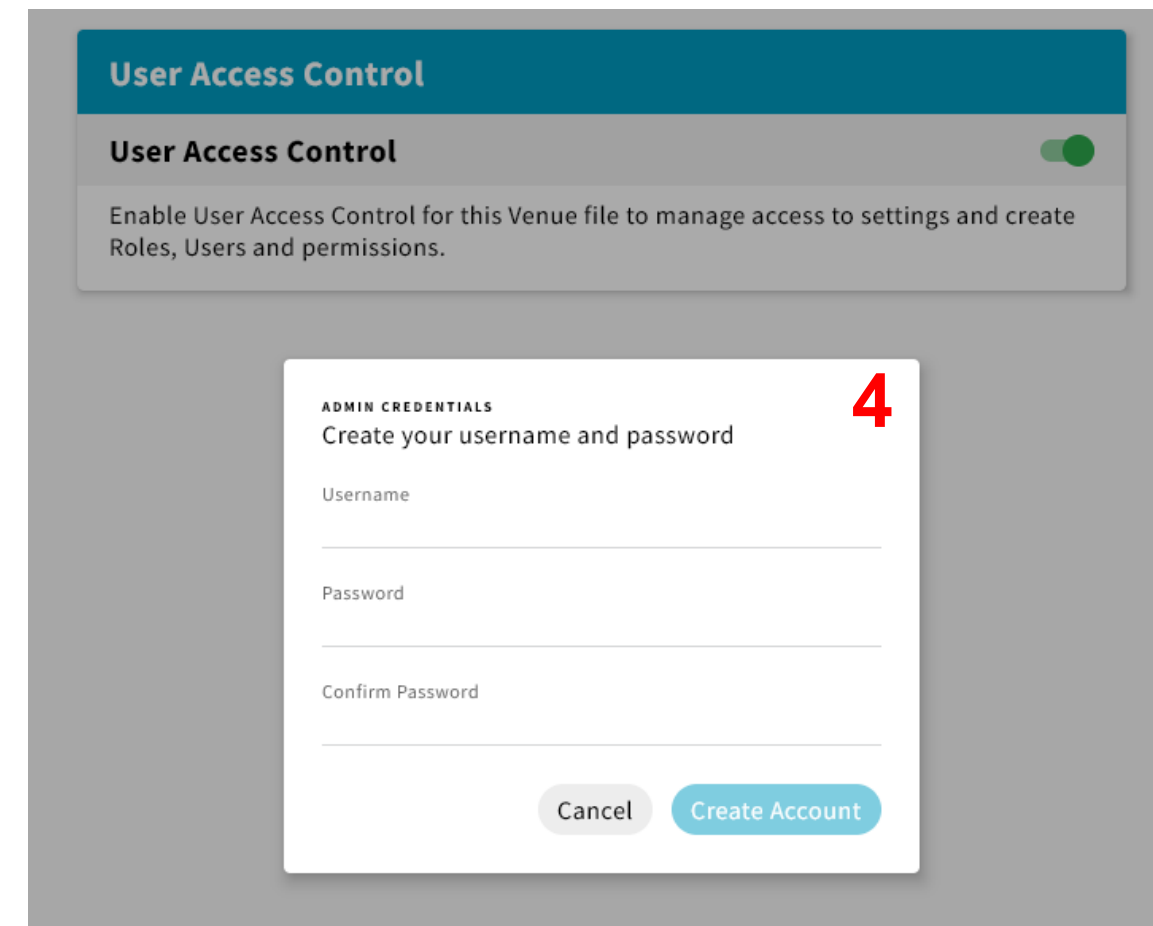
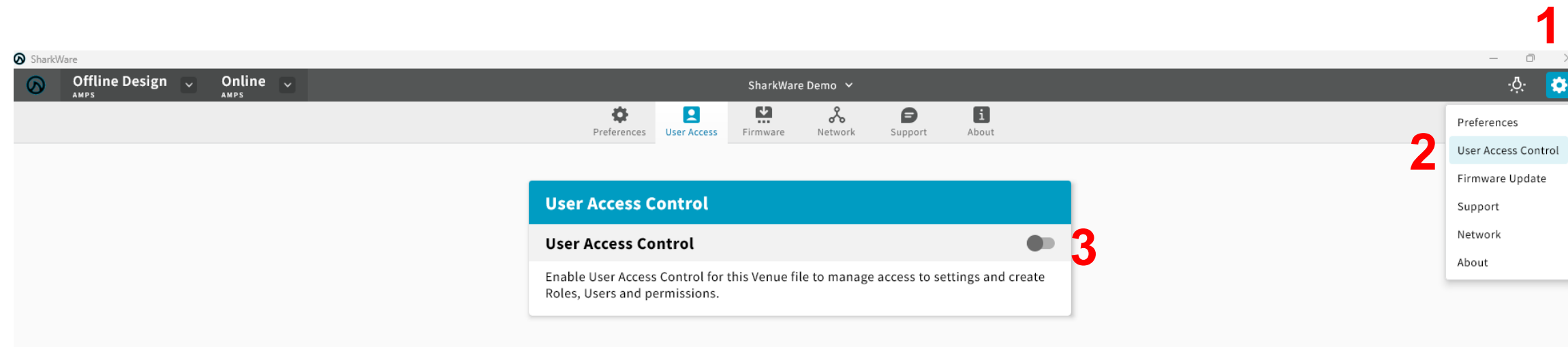
- Select 'User Access Control'

Step 3:

- Enable User Access Control

Step 4:

- Create Admin Credentials



User Access Control - Roles




Step 1:

- Click on the  icon to create a new role

Step 2:

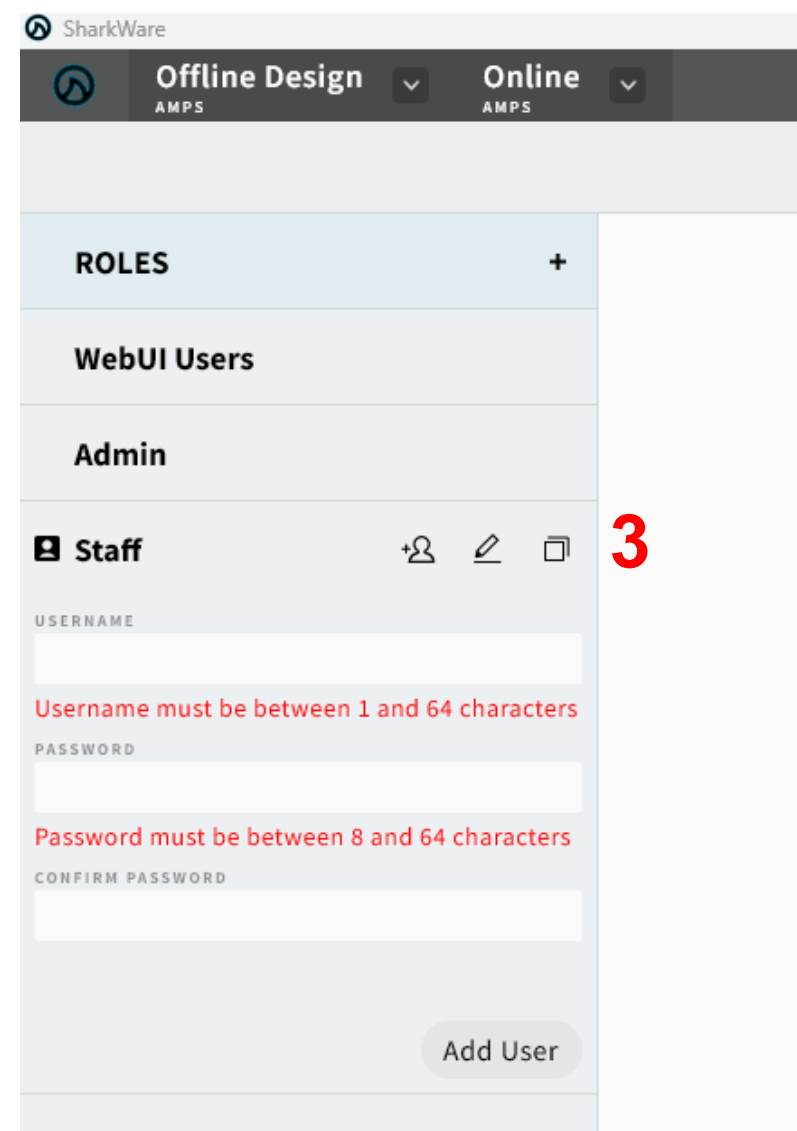
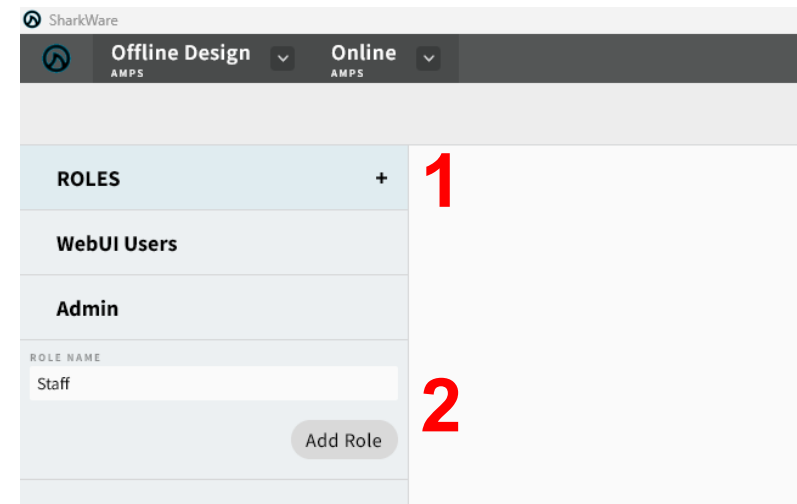
- Enter a role name

Step 3:

- Click on the  icon to create user credentials for this role
 - Multiple users can be created within a single role
- Click on the  icon to rename or delete the role
- Click on the  icon to create a copy of the role

Step 4:

- Configure the read/write privileges for the role



4

SETTINGS	READ/ WRITE	READ ONLY	NO ACCESS	
Channel Output	Select All	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Channel output gain	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Mute	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Channel Settings	Select All	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Channel Name	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
HiZ / LowZ settings	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Smart Power Bridge	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Enable channel standby	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Dante on ramp	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Back Panel Attenuation Pot Lockout	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Input Selector	Select All	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Primary input type	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Primary input gain	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Secondary input type	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Secondary input gain	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Input sensitivity	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Input Delay	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Override Mode	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Input Mixer Fader	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Input EQ	Select All	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

User Access Control - WebUI Users

Step 1:

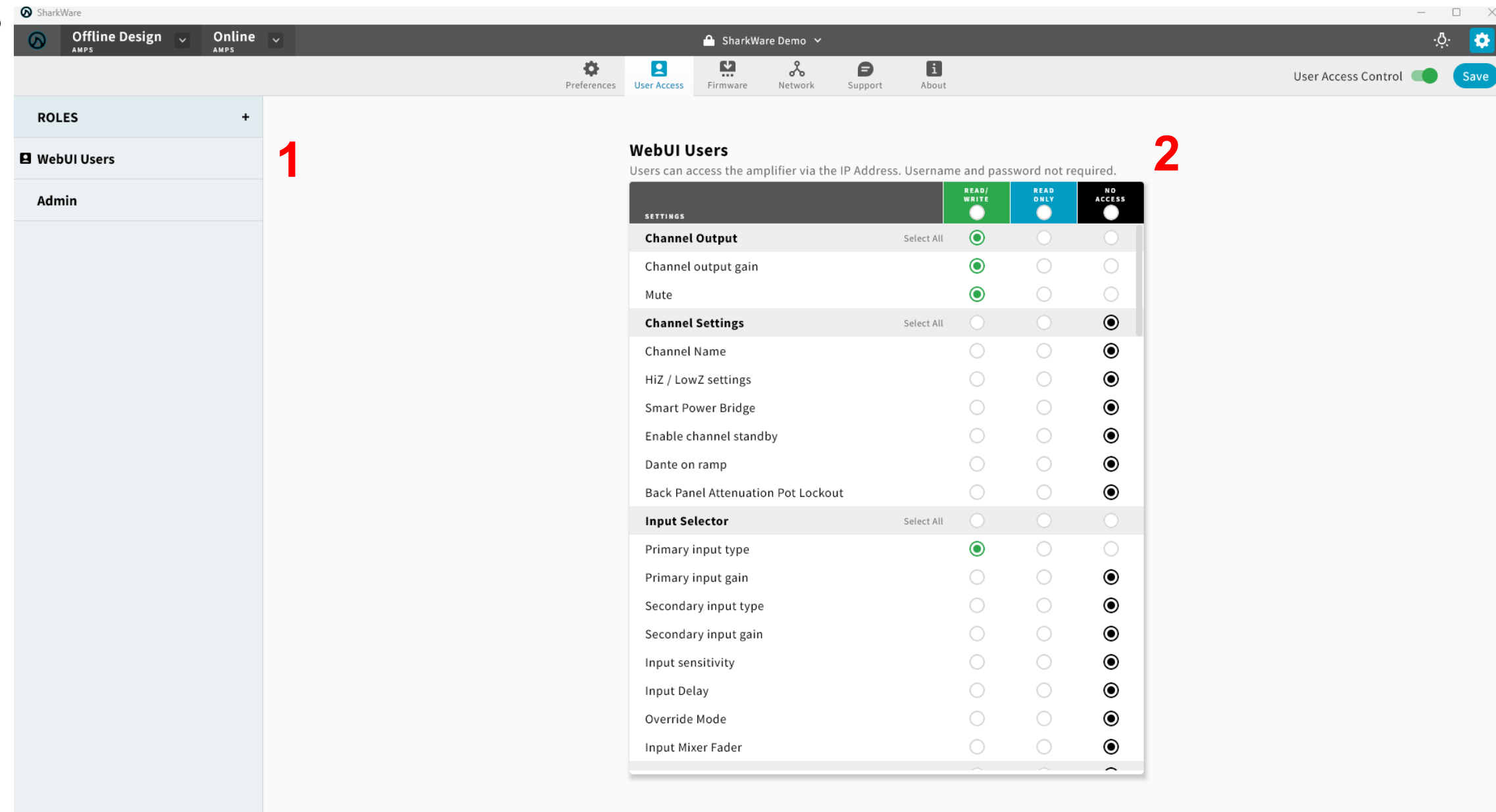
- Select WebUI Users

Step 2:

- Configure the read/write privileges for WebUI Users

Note:


- The read/write privileges will be applied to ALL WebUI users.
- Username and password are not required.



The screenshot shows the SharkWare web interface. On the left sidebar, under 'ROLES', 'WebUI Users' is selected, indicated by a red '1'. The main content area shows the 'WebUI Users' configuration page, which includes a table for setting permissions. A red '2' is placed above the table. The table has columns for 'SETTINGS', 'READ/WRITE', 'READ ONLY', and 'NO ACCESS'. The 'READ/WRITE' column is currently selected for all settings.

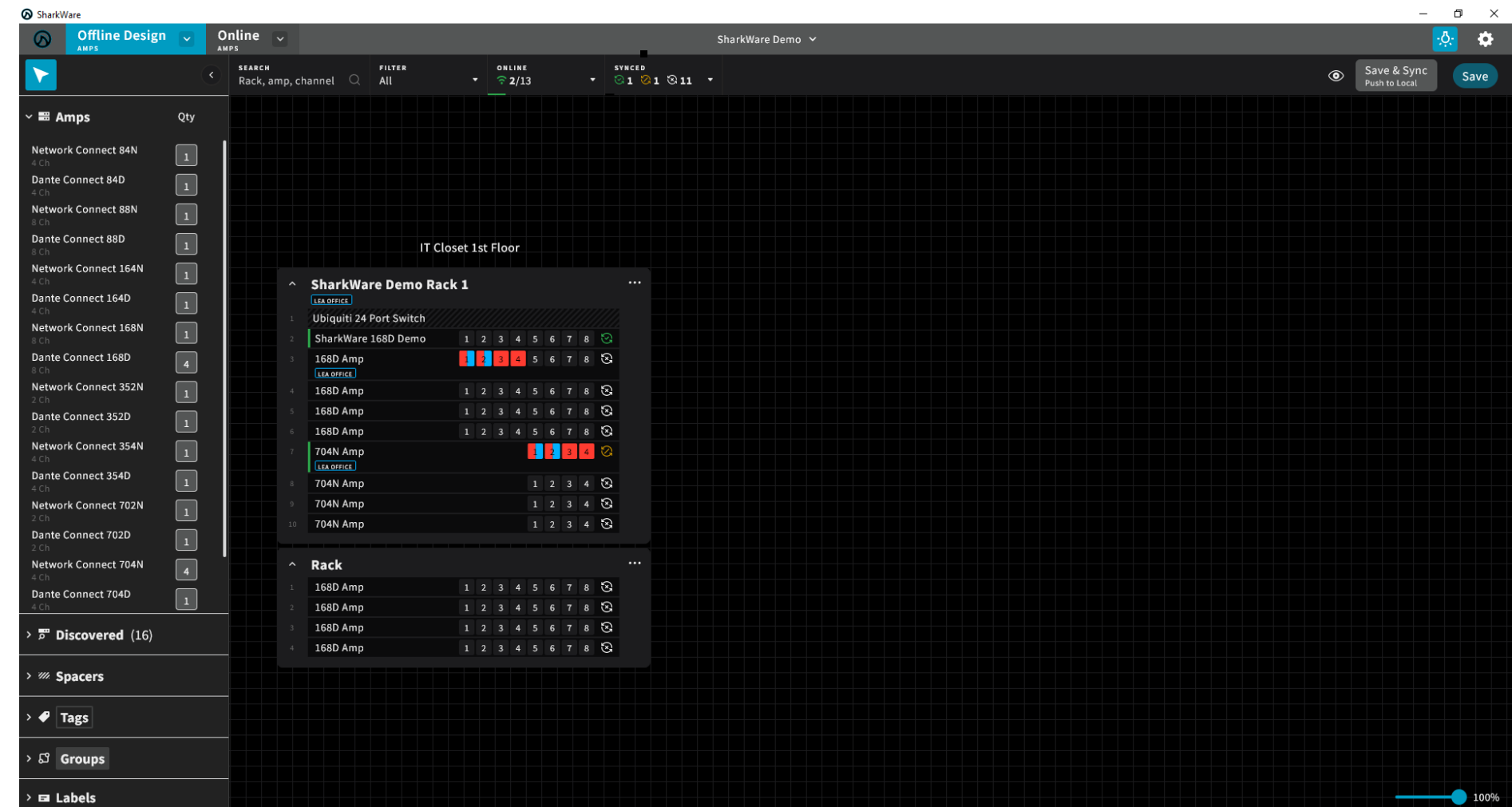
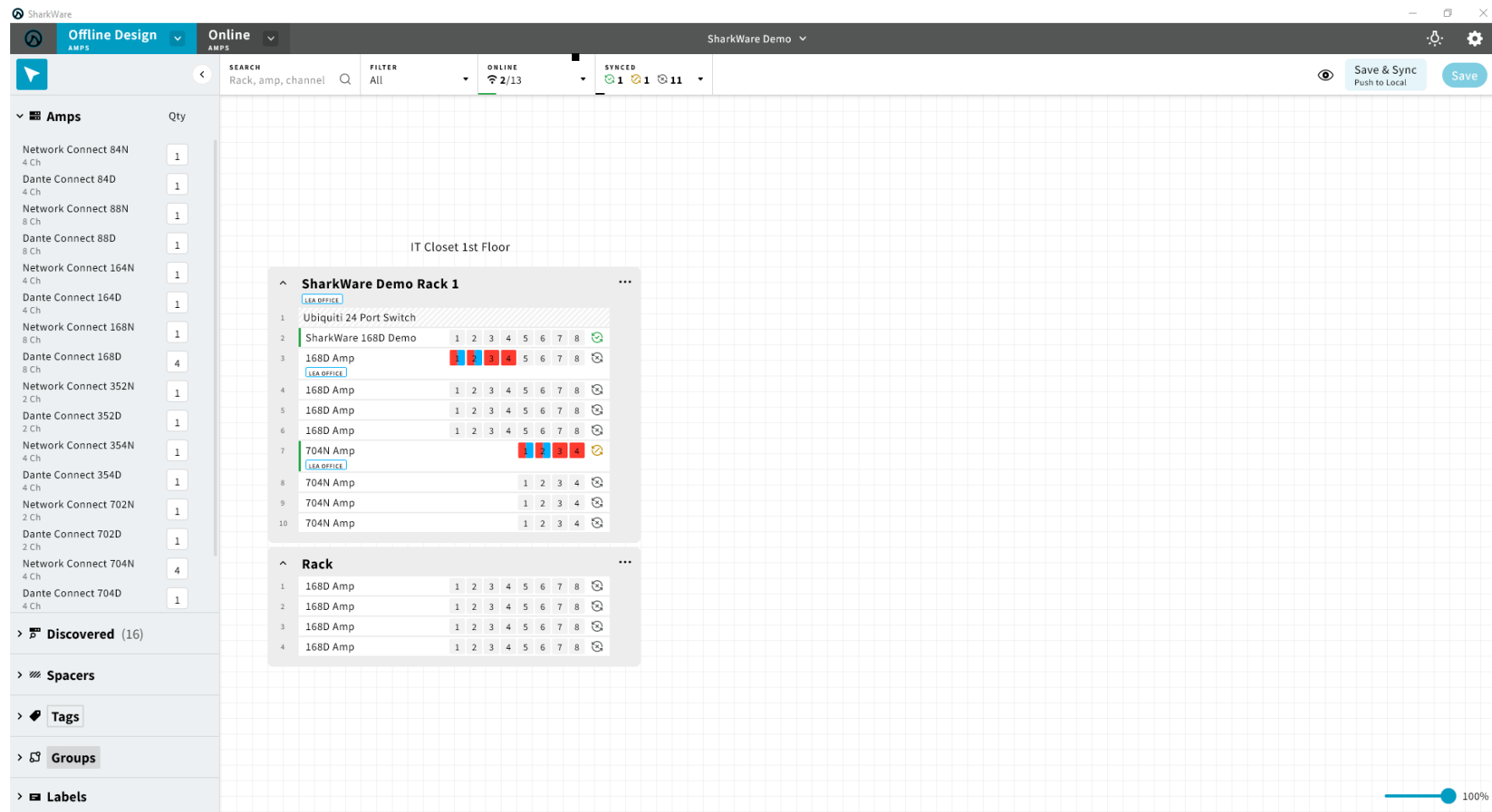
SETTINGS	READ/WRITE	READ ONLY	NO ACCESS
Channel Output (Select All)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Channel output gain	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mute	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Channel Settings (Select All)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Channel Name	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
HIZ / LowZ settings	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Smart Power Bridge	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Enable channel standby	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Dante on ramp	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Back Panel Attenuation Pot Lockout	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Input Selector (Select All)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Primary input type	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Primary input gain	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Secondary input type	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Secondary input gain	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Input sensitivity	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Input Delay	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Override Mode	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Input Mixer Fader	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Toggle Light and Dark Mode


Click on the  in the top right to toggle light and dark mode.

Light Mode

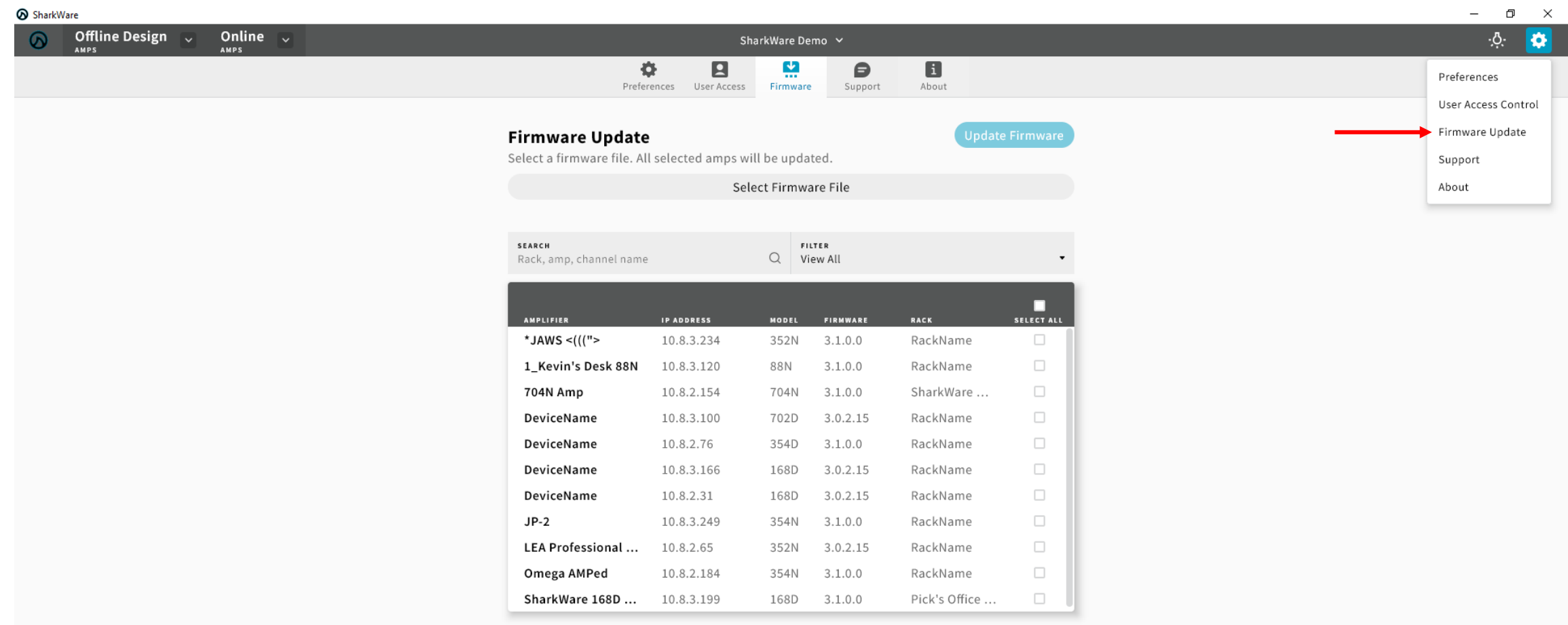
Dark Mode



Firmware Update

If you click on the  icon in the top right and then click on 'Firmware Update' you will notice you now have the ability to update firmware on individual devices or everything on the network with the check boxes.

- Click 'Select Firmware File'
- In the open box, select the LEA Firmware file (should be 4.0.0.0 or higher)
- Then click 'Update Firmware'




The screenshot shows the SharkWare interface with the 'Firmware Update' section active. The top right menu is open, and a red arrow points to the 'Firmware Update' option. The main content area shows a table of devices with columns for Amplifier, IP Address, Model, Firmware, Rack, and a 'SELECT ALL' checkbox.

AMPLIFIER	IP ADDRESS	MODEL	FIRMWARE	RACK	SELECT ALL
*JAWS <((((">	10.8.3.234	352N	3.1.0.0	RackName	<input type="checkbox"/>
1_Kevin's Desk 88N	10.8.3.120	88N	3.1.0.0	RackName	<input type="checkbox"/>
704N Amp	10.8.2.154	704N	3.1.0.0	SharkWare ...	<input type="checkbox"/>
DeviceName	10.8.3.100	702D	3.0.2.15	RackName	<input type="checkbox"/>
DeviceName	10.8.2.76	354D	3.1.0.0	RackName	<input type="checkbox"/>
DeviceName	10.8.3.166	168D	3.0.2.15	RackName	<input type="checkbox"/>
DeviceName	10.8.2.31	168D	3.0.2.15	RackName	<input type="checkbox"/>
JP-2	10.8.3.249	354N	3.1.0.0	RackName	<input type="checkbox"/>
LEA Professional ...	10.8.2.65	352N	3.0.2.15	RackName	<input type="checkbox"/>
Omega AMPed	10.8.2.184	354N	3.1.0.0	RackName	<input type="checkbox"/>
SharkWare 168D ...	10.8.3.199	168D	3.1.0.0	Pick's Office ...	<input type="checkbox"/>

To Download the Latest version of firmware please follow this link: <https://leaprofessional.com/downloads/>

Network

If you click on the  icon in the top right and then click on 'Network', Sharkware will display information about the Network Interface it is currently using.

- Network Interface Description
- IP Address
- Subnet Mask

