

Phoenix System

Getting Started Guide

020-101184-10

CHRISTIE

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Getting Started

This quick start guide describes a fast way to get a system up and running using basic configuration. For additional details and information on advanced configuration, refer to the Phoenix System Reference Manual.

Before you begin, you will need: video and audio sources, displays for the wall, speaker for the audio source for the wall (optional), management PC, network switch, standard tool kits, and related cabling.

Note: The network switch must be a managed 1000 Gbps network switch and it needs to meet the requirements listed in the Phoenix System Reference manual.

Gather the following information:

- The role (encoding, decoding, or both) for each node.
- IP address of all networked sources.
- Source names (up to 20 alphanumeric characters).
- User name and passwords for all PCs that will be added to the network.
- Video file name for all RTSP stream sources.

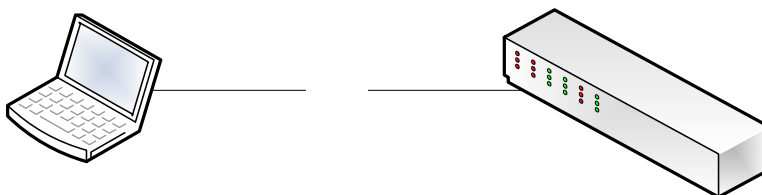
Tip: The Phoenix System Reference Manual has a worksheet you can use to record this information.

Quick Start

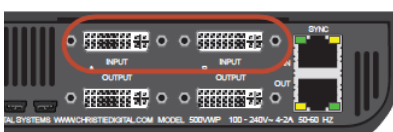
1. Inspect the equipment for damage.
2. Using the packing list, verify the contents of the shipment.
3. Prepare the LAN for the new Phoenix nodes and related sources.
4. Connect the nodes to your LAN using the **Network 1** connector.



5. Connect a management PC to your LAN.

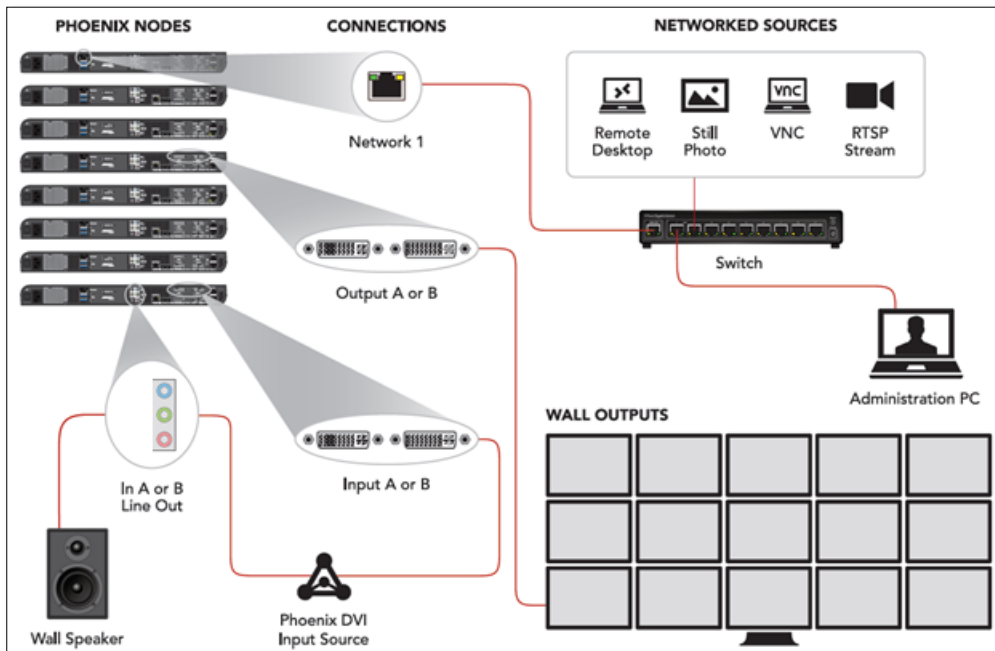


6. Connect the sources. Connect all Phoenix DVI input sources to the input connectors (Input A and Input B) on the nodes (note the connectors you use for each source), and connect all other input sources (RTSP sources, Remote Desktop, or VNC) to your LAN (note their IP addresses).



Tip: If you are adding VNC or Remote desktop, verify the PCs are configured to allow remote access.

7. Connect the displays for the wall to the output connectors (Output A and Output B) on the nodes (note the connectors you use for each). The following illustrates the physical connections:



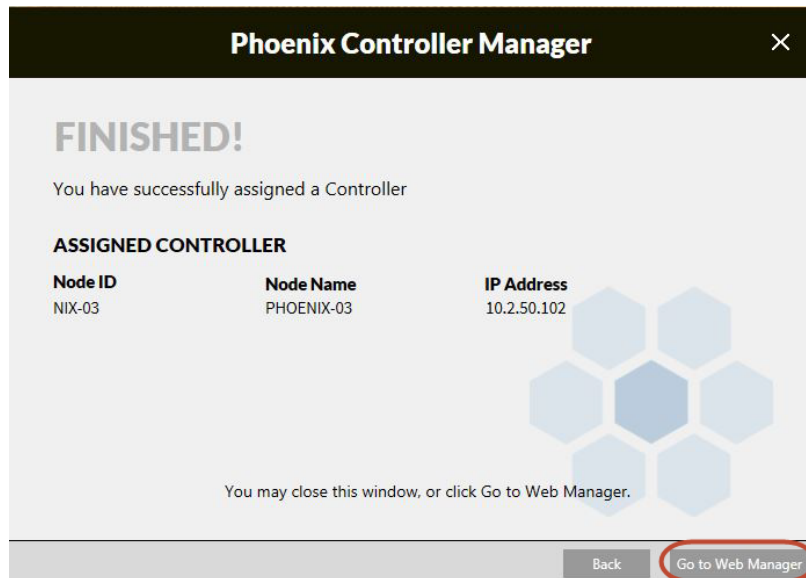
8. Power on nodes and verify the blue LED on the front of the unit is solid blue.



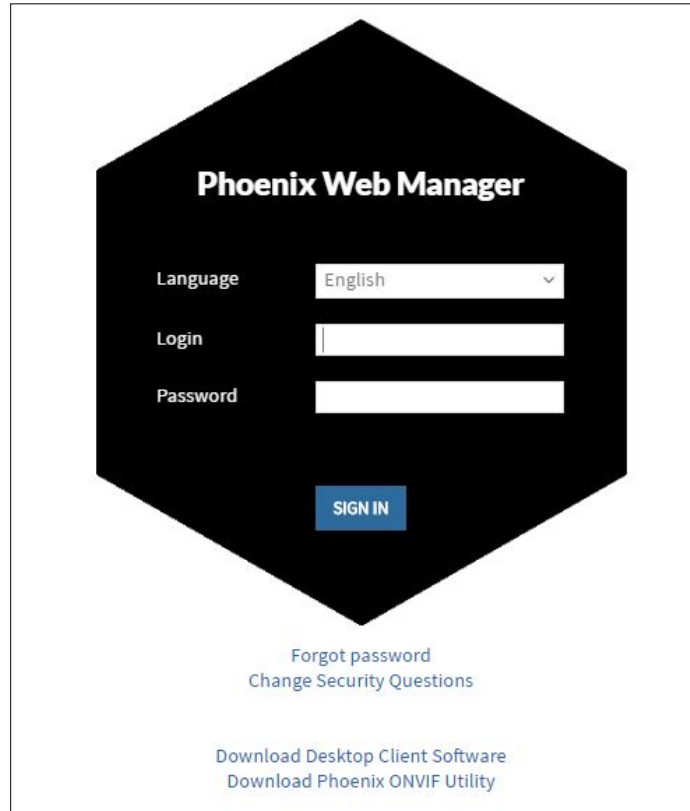
9. Using the Phoenix Controller Manager Wizard (available on the USB flash drive), assign a controller for the cluster of nodes. Note the IP address of the controller. The controller operates as the central point for configuration and monitoring of all the nodes. It serves as the manager of the nodes. One controller is assigned per cluster of nodes.



10. Click **Go to Web Manager** to launch the Web Manager.

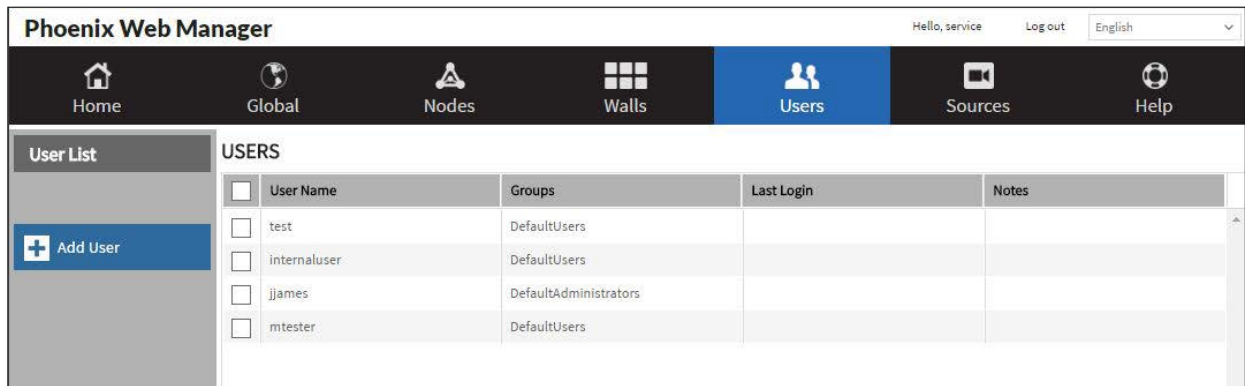


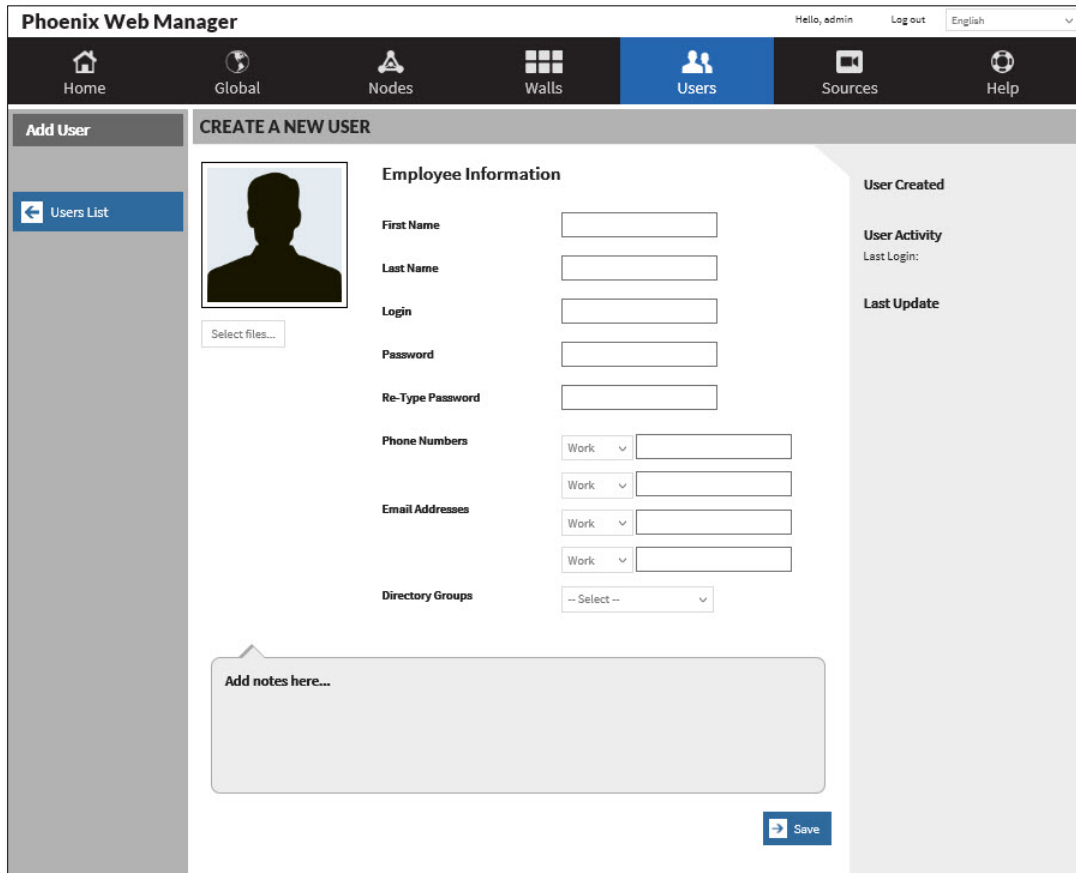
11. Login using the default user name (service) and password (service).



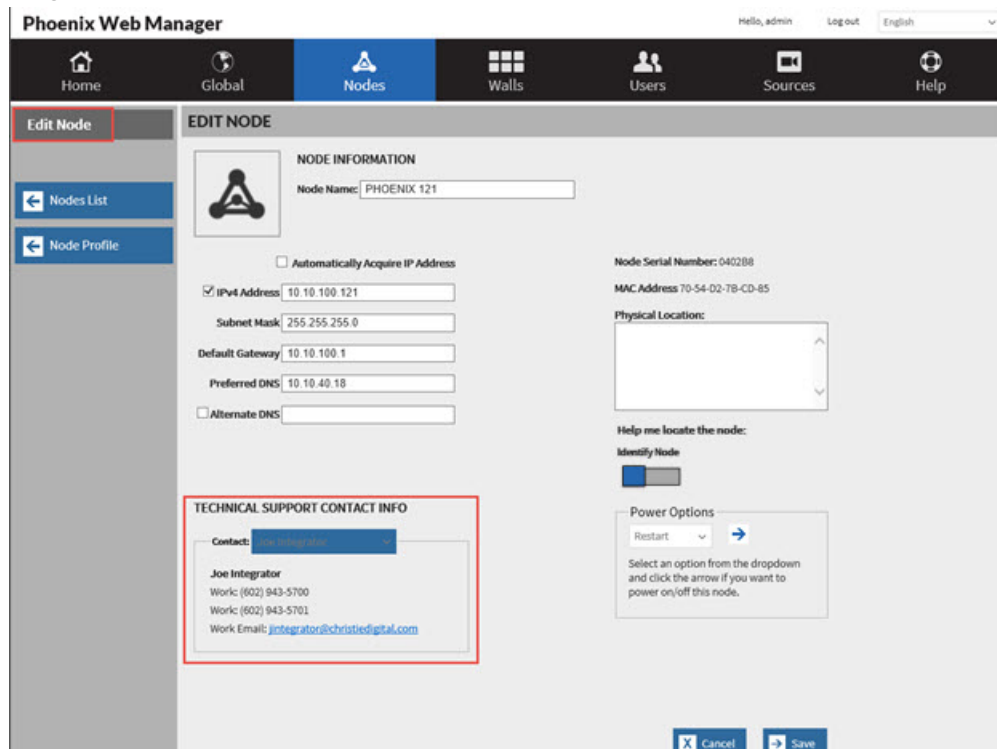
12. Using the Web Manager, change the default password for the admin account.
13. Using the Web Manager, add users.

Tip: It is best to add phone numbers for users so you can use the numbers for populating the technical support contact information for each node.





The following illustrates where this information can be used.



14. Set the default starting address using the Global Settings page in the Web Manager.

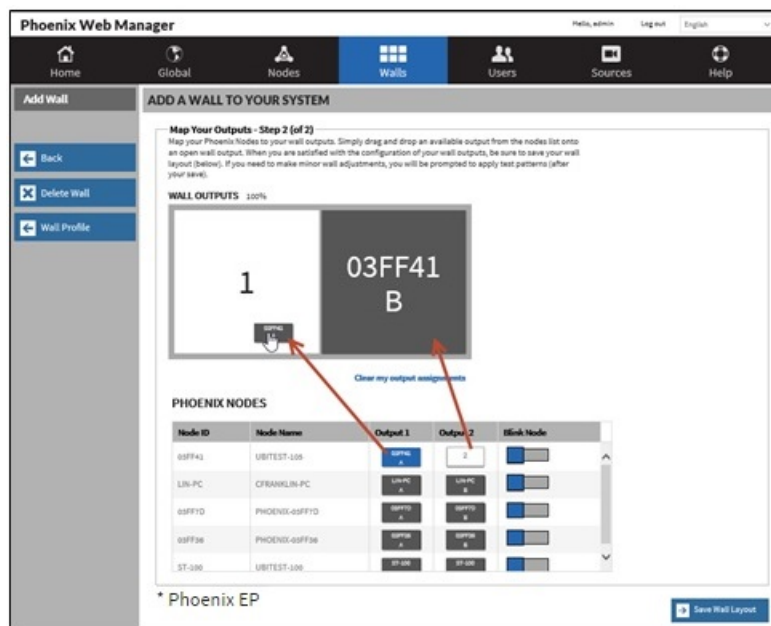
Note: This is an advanced setting that a site network administrator may need to adjust.

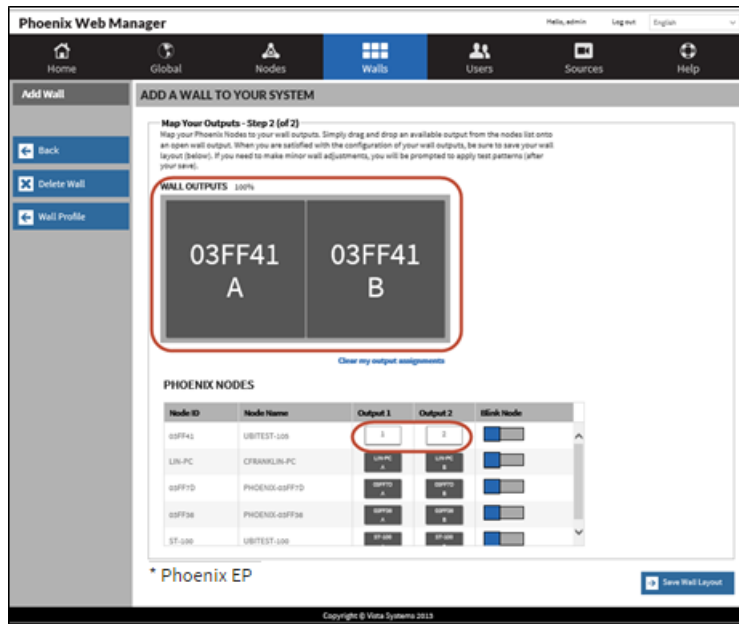
15. Using the Web Manager, click **Manage Nodes** to view the nodes list. All the nodes that you have physically connected to your LAN should be automatically detected and should not have any alerts. All nodes default to the role of encoder and decoder.

Note: This default role setting enables the node to be more flexible.

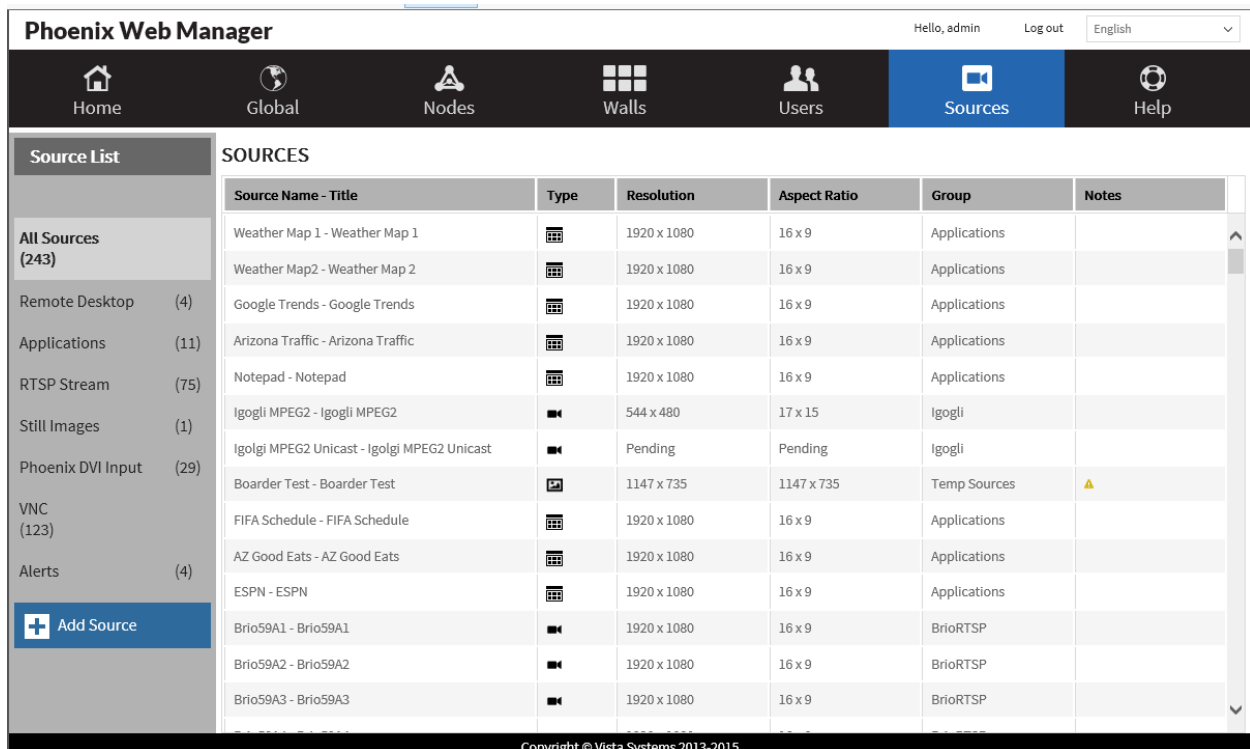
16. Using the Web Manager, configure the network settings for each node or enable automatic IP assignments.

17. Using the Web Manager, create walls by mapping your outputs for the wall by dragging and dropping outputs from the list of Phoenix nodes to the desired location on the wall. You must select nodes that have the displays for the wall connected to the output A or B connectors on the nodes. The following illustrates this process.





18. Using the Web Manager, configure sources.



Note: For any devices connected to the Phoenix node through the Input A and Input B connectors, the source to be encoded by the Phoenix node can have a maximum resolution of 1080p. Verify the setting on your device.

Interlaced formats are not supported.

19. Using the Web Manager, review the Global Settings.

Global Settings

System Settings

Directory Service

EDID Manager

Protocol Tester

JSON API Tester

Milestone

Virtual Machines

+ Add Virtual Machine

SYSTEM SETTINGS

Update System

Browse your computer to find a .pfw file to update the software and firmware for your Phoenix system:

⚠ BEWARE: This process requires multiple restarts of the system and may take several minutes to complete, while your system is offline. The process includes an initial reboot of the controller and continues with reboot(s) of the dependent nodes.

Security Type

Select the appropriate Security Level.

Stringent

Encoding Defaults

Set your encoding defaults to include the following formats and parameters:

Video Bitrate Kbps

Audio Format

Stop encoding/decoding when a source is no longer in use. (Be aware that this may slow down initial display of sources)

Multicast Start Address

Define the default IP address used for multicast delivery:

IPv4 Address:

API Connection

Select the appropriate communication mechanism for the API.

Network

Force SSL

Selecting the option will force all web connections to use SSL. API Connections do not use SSL.

Off

MTU (Max Transmission Unit)

Sets the Maximun Transmission Unit for Video and Audio Packets

1410

▼

Save MTU

TTL (Time to Live)

Set the TTL for Unicast and Multicast packets.

Unicast

32

↕

Multicast

5

↕

Save TTL

Restore Last Layout

Restore last display wall layout on startup:

Yes

No

Save Last Layout

Source Startup Style

The style that will be shown while a source is starting up.

Grey Bars

Black

Save Style

Wall Cursor Size

Control the size of your cursor as it appears on the display wall:

Normal

Large

Extra Large

Save Cursor Size

Display Wall Mouse Timeout

Control the time-out settings for a mouse on the display wall:

Always leave mouse on

Always leave mouse off

Auto-delay mouse by:

10

↕

Seconds

Save Mouse Timeout

Display Mouse vs. KVM Layers

Do you wish for the system to display your mouse on a KVM layer?

Yes
 No

[Save KVM](#)

Controller Redundancy

If your controller fails, do you want a new one automatically assigned?

Yes
 No

Redundant Controller Preference None

Alert Timeout Until Cleared

[Save Redundancy Settings](#)

Backup System/Restore Points

Save your system configuration by creating a new restore point.

[Backup System...](#)

- or -

Browse your computer to find a different restore point and to overwrite your current system configuration:

⚠ BEWARE: This process will completely overwrite your current system configuration.
 [Select files...](#)

Restart System

Refresh your system if you have encountered any unexpected problems. A system restart will reboot the display wall and all associated nodes, and apply the last system save.

[Restart System](#)

Wipe System (Restore to factory defaults)

Restore your Phoenix system back to its original factory defaults. A system wipe removes all saved system information, including: sources, treatments, wall layouts, user profiles, thumbnails, etc.

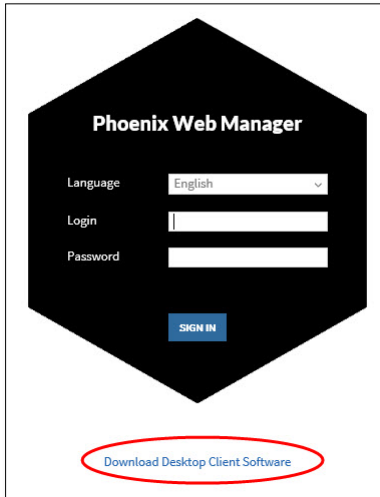
Also remove walls

⚠ BEWARE: With the exception of the controller role assignment, this function will permanently erase ALL system data.

[Wipe System](#)

20. Log out of the Phoenix Web Manager.

21. On the Phoenix Web Manager sign in page, click **Download Desktop Client Software** to launch the Phoenix Desktop Client Install wizard.



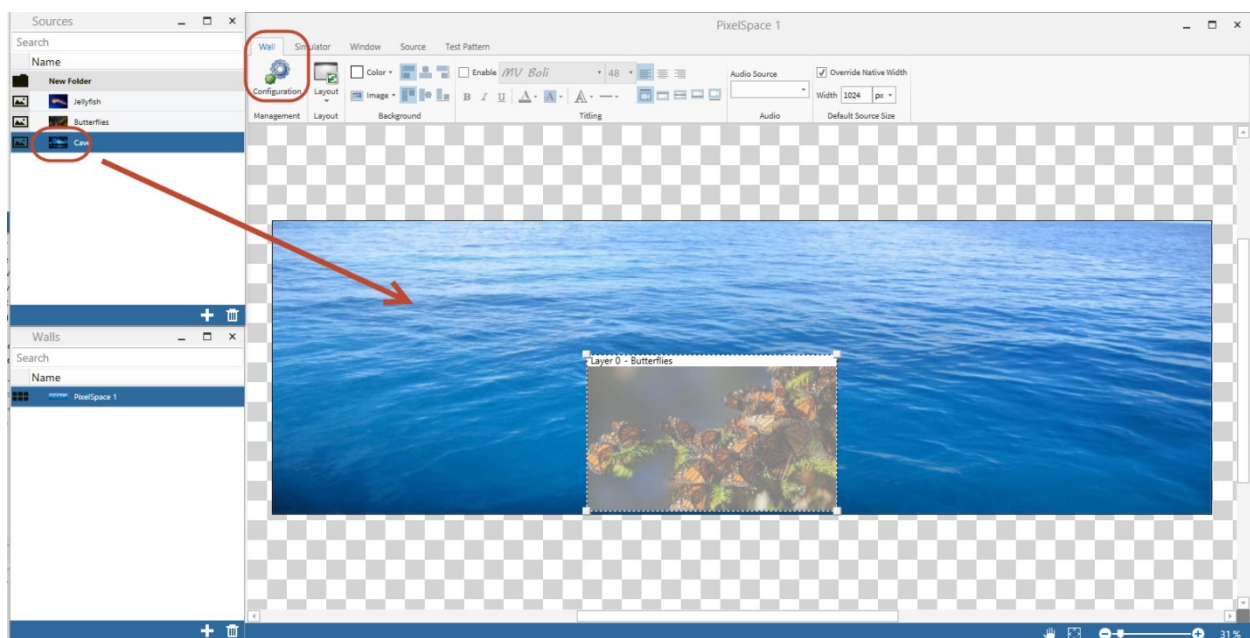
22. Install the Phoenix Desktop Client software using the wizard.



23. Sign in to the Phoenix Desktop Client using your credentials (received from an administrator).

Note: Credentials are established when users are created. See step 13.

24. Using the Desktop Client, design the wall by adding sources.

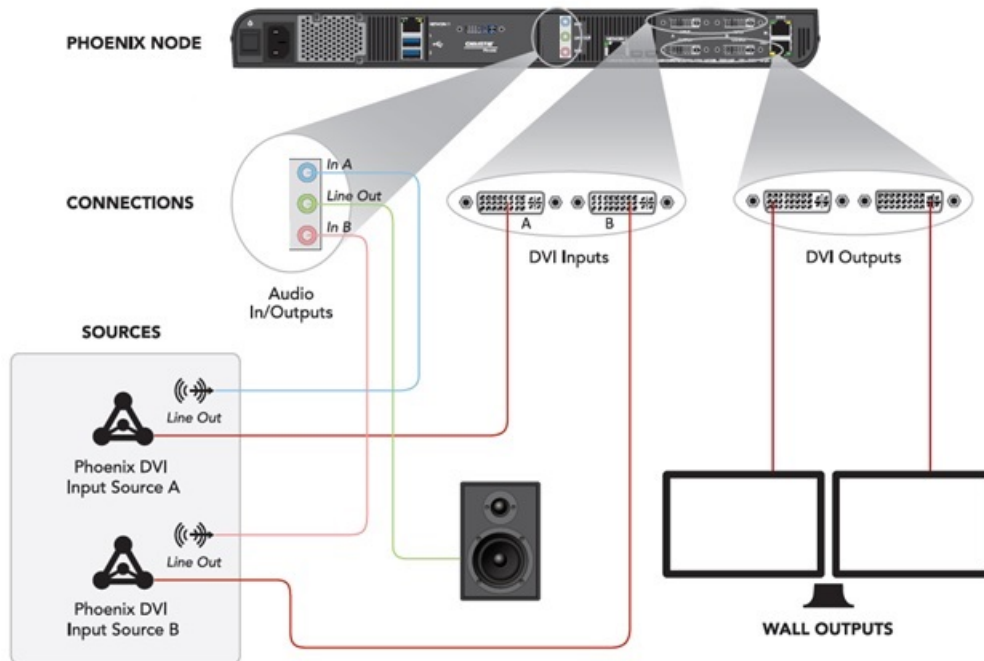


You interact with the Desktop Client software using the wall simulator and the lists. The lists include:

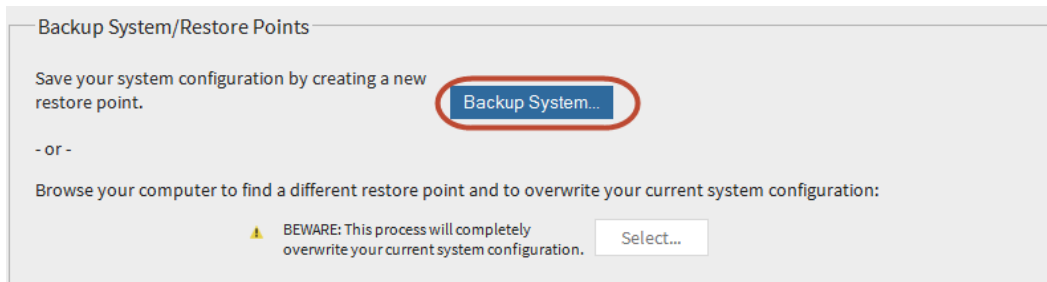
- Sources
- Walls
- Layouts
- Treatments
- Favorites
- Users

The wall simulator provides a graphical representation of a wall that was configured using the Web Manager. You use the wall simulator to design your wall and preview the results.

25. Configure audio for the wall. Wall audio is available through all of the audio-enabled decoding sources on the wall; but you can only listen to one audio source. The audio source for the wall can be changed at any time. The following illustrates the audio connections.



26. Using the Web Manager, backup the system using the Backup System option on the Global System Settings page.



27. Use the Web Manager for advanced configuration. For more information, refer to the Phoenix System Reference Manual.

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