## **Phoenix System**

Troubleshooting Guide 020-101186-01



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### **Table of Contents**

About this Document1
Document Conventions1
Audience1
Related Documents1
System Overview
Quick Facts3
Troubleshooting
General Troubleshooting5
Troubleshooting Scenarios
Rebooting a Node
Source does not display on a wall6
Cannot hear audio from a source7
Cannot interact with a source on a wall9
All or part of the wall does not display10
Cannot access the Controller11
No controllers are available for the Desktop Client12
No sources are displayed on the wall simulator
Received a Sorry, an error occurred while processing your request message
Received a <i>Sorry, an error occurred while processing your request</i> message
Received a <i>Sorry, an error occurred while processing your request</i> message
Received a <i>Sorry, an error occurred while processing your request</i> message
Received a Sorry, an error occurred while processing your request message16A Still Source is not working17A VNC Source is not working17A Remote Desktop source is not working19A RTSP source is not working21
Received a Sorry, an error occurred while processing your request message16A Still Source is not working17A VNC Source is not working17A Remote Desktop source is not working19A RTSP source is not working21Video is Pixelated or Green21
Received a Sorry, an error occurred while processing your request message16A Still Source is not working17A VNC Source is not working17A Remote Desktop source is not working19A RTSP source is not working21Video is Pixelated or Green21Unable to interact with a source22
Received a Sorry, an error occurred while processing your request message16A Still Source is not working17A VNC Source is not working17A Remote Desktop source is not working19A RTSP source is not working21Video is Pixelated or Green21Unable to interact with a source22Unable to assign a controller22
Received a Sorry, an error occurred while processing your request message16A Still Source is not working.17A VNC Source is not working .17A Remote Desktop source is not working .19A RTSP source is not working .21Video is Pixelated or Green .21Unable to interact with a source.22Unable to assign a controller .22Display wall appears torn or out of sync.24
Received a Sorry, an error occurred while processing your request message16A Still Source is not working17A VNC Source is not working17A Remote Desktop source is not working19A RTSP source is not working21Video is Pixelated or Green21Unable to interact with a source22Unable to assign a controller22Display wall appears torn or out of sync.24IP address for the controller is not available in the Desktop Client24
Received a Sorry, an error occurred while processing your request message16A Still Source is not working.17A VNC Source is not working .17A Remote Desktop source is not working19A RTSP source is not working.21Video is Pixelated or Green21Unable to interact with a source.22Unable to assign a controller22Display wall appears torn or out of sync.24Add a new node.25
Received a Sorry, an error occurred while processing your request message16A Still Source is not working.17A VNC Source is not working17A Remote Desktop source is not working19A RTSP source is not working21Video is Pixelated or Green21Unable to interact with a source22Unable to assign a controller22Display wall appears torn or out of sync.24IP address for the controller is not available in the Desktop Client24Add a new node25Problems with the entire network25
Received a Sorry, an error occurred while processing your request message16A Still Source is not working.17A VNC Source is not working17A Remote Desktop source is not working19A RTSP source is not working21Video is Pixelated or Green21Unable to interact with a source.22Unable to assign a controller22Display wall appears torn or out of sync.24IP address for the controller is not available in the Desktop Client24Add a new node25Problems with the entire network25Troubleshooting switching devices.25
Received a Sorry, an error occurred while processing your request message16A Still Source is not working17A VNC Source is not working17A Remote Desktop source is not working19A RTSP source is not working21Video is Pixelated or Green21Unable to interact with a source22Unable to assign a controller22Display wall appears torn or out of sync24IP address for the controller is not available in the Desktop Client24Add a new node25Problems with the entire network25Troubleshooting switching devices27
Received a Sorry, an error occurred while processing your request message16A Still Source is not working17A VNC Source is not working17A Remote Desktop source is not working19A RTSP source is not working21Video is Pixelated or Green21Unable to interact with a source22Unable to assign a controller22Display wall appears torn or out of sync24IP address for the controller is not available in the Desktop Client24Add a new node25Problems with the entire network25Troubleshooting switching devices27Refresh Thumbnails27
Received a Sorry, an error occurred while processing your request message16A Still Source is not working17A VNC Source is not working17A Remote Desktop source is not working19A RTSP source is not working21Video is Pixelated or Green21Unable to interact with a source22Unable to assign a controller22Display wall appears torn or out of sync24IP address for the controller is not available in the Desktop Client24Add a new node25Problems with the entire network25Troubleshooting switching devices25Technical Notes27Internet Information Server (IIS) Setup for Web Manager27

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## **About this Document**

This manual provides general troubleshooting instructions for the Phoenix system. The instructions assume the user is adequately familiar with the software and hardware interfaces for this product and with networking.



The procedures in this document assume a certain level of knowledge of electronics and safety guidelines.

### **Document Conventions**

The following format conventions are used in this document to identify special information:

Caution statements identify conditions or practices that could result in personal injury.

**Notice** statements identify conditions or practices that could result in damage to equipment or loss of data.



The graphical illustrations in this document are for example purposes only and the hardware illustrated may differ from your hardware.

Variable text that is entered by a user is italicized in this document (for example, in the text, Phoenix-6-digit serial number, the 6-digit serial number would be replaced by the actual serial number).

### Audience

The primary audience for this document is the person who troubleshoots the Phoenix system.

### **Related Documents**

The following documents may be useful references:

- Phoenix System Reference Guide, document number MAN-10115
- Phoenix System Quick Start Guide, document number MAN-10116
- Phoenix System External Control Protocol Reference Manual, document number MAN-10117

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## **System Overview**

The Phoenix system is a content management system that enables users to securely access and control audio-visual data from anywhere, at any time, via standard IP networking technology.

The Phoenix system is based on a single hardware appliance, the Phoenix Node, and a robust multitiered software environment. The Phoenix-managed content is distributed throughout an organization via standard IP networking technology, providing comprehensive tools to view, listen, and interact with any source or information. The Phoenix system consists of one or more Phoenix hardware nodes as well as software connected through your Ethernet network.

The Phoenix System encodes and decodes sources. It accepts an input source, such as from a Blu-Ray player or a remote computer, and encodes it into the H.264 industry standard for media. It then transmits the signal over the network via multicasting to its destination and then decodes it back to a raw video signal over DVI.

### **Quick Facts**

These facts should help you understand some of the capabilities of the Phoenix system:

- A node can perform more than one role; it can be a controller, decoder, and encoder.
- One node is assigned as the controller for a Phoenix system.
- A controller manages up to 64 nodes.
- A wall supports up to 128 outputs.
- A wall can display 12 sources per node.
- Sources are shared between all nodes.
- Each node has two DVI inputs and two outputs.
- One node can decode to two displays.
- The Phoenix system has three user interfaces: Controller Manager, Web Manager, and Desktop Client.
- Only users that are assigned with the administrator role can access the Web Manager.
- A Phoenix system can be configured to encode DVI sources, RTSP sources, Remote Desktop sources, VNC sources, and Still images.
- The maximum resolution supported for sources that are encoded by a Phoenix node is 1080p @30Hz.
- The maximum output resolution supported is 2560x1600 @60Hz.
- DVI sources are connected to the Phoenix node via DVI cables, all other source types are connected via a network.
- Audio is supported on Phoenix DVI sources and RTSP sources.
- 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.

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## **Troubleshooting**

This section contains details for troubleshooting the Phoenix system.

### **General Troubleshooting**

Verify the LED on each node is solid blue.

In the Web Manager, check if there are any alerts and resolve the related issues.

## **Troubleshooting Scenarios**

The scenarios in this section provide step-by-step procedures for resolving specific issues. These procedures assume you are familiar with using the Web Manager and the Desktop Client software.

You should perform the recovery steps one at a time, and then check to see if the issue is resolved. If it is resolved, stop. If it is not, continue with the next step.

### Rebooting a Node

Since this step may be necessary for different troubleshooting scenarios, the steps for doing this are provided here and referenced in other scenarios.

- 1. From the Edit Node page in the Web Manager, select the node.
- In the Power Options pane, select **Restart** and click the arrow icon. The node restarts.

Edit Node	EDIT NODE	
e Nodes List	NODE INFORMATION Node Normal Rates: Decoding Dec	ding/Transcoding
<ul> <li>Node Profile</li> </ul>	Automatically Acquire IP Address	Node Serial Number: 040104
	🗹 #N6 Address   fe80 - 4cfa 7909 d0(3 2802	MAC Address 58-40-72-02-61-0C
	2 8% Address 10.2.0.150	Physical Location:
	Subnet Mask 255.255.0.0	
	Dufault Gateway 10.2.0.1	
	Preferred DNS 19.2.0.10	
	Alternate DNS	The social the social
	TECHNICAL SUPPORT CONTACT INFO	Power Options
	Cantact: w	Select at the arrow if you want to power on (of this node.

3. If the problem persists, call technical support.

### Source does not display on a wall

- 1. Make sure the source is powered on and operating normally.
- From the Sources list in the Desktop Manager, double-click the source that is not being displayed.
- 3. Verify the source is being played (encoded) on your computer.
- 4. Navigate to the Source page in the Web Manager.
- 5. Click on the source and verify the source is configured properly.
  - a. Check the associated input node and verify it is online and assigned to your controller.

Source Profile	SOURCE 5 - SONY BD5	
Source List     Add Source	SOURCE INFORM Name: Source 5 Title: Sony BD5	IATION A Phoenix DVI Input
	Resolution: 1920 x 1080 Aspect Ratio: 16 x 9 Capabilities Allowed: (2) (2) Manned: (2) Thumbnail Refresh Interval: Normal	Phoenix Node: PHOEN0(103 Encoding Input: A Encoder Mac Address: E8-40-F2-02-61-60
	STYLE ATTRIBUTES	CURRENT ACTIVITY
	Default Treatment: N/A	None
	Titling Font Overrides: N/A	

b. Verify the node is encoding.

Phoenix Web N	Manager			
G Home	S Global	A Nodes	Walls	Land Series
Node Profile	040106 - PHOENIX	104 Signels Signels	Software/Firmware	Black
← Nodes List	Metrics Utilization	Decoding Encoding	Notes	
Edit Node		S MAP		
🗙 Un-assign			1	nput Settings
🗙 Stop Decoding			1	Input A Disabilied

- 6. Check the DVI connections and adapters from the source to the input connectors of the node.
- 7. Reset the Decoder Network Stream in the Desktop Manager.



8. Reboot the node associated with the source. Refer to *Rebooting a Node*, page 5.

### Cannot hear audio from a source

Audio is supported on RTSP Stream and Phoenix DVI Input sources.

1. Verify the source is selected as the audio source for the wall.



2. Open the audio for the source and verify you can hear it.



3. Verify the source is configured for audio and the settings are correct.

Phoenix Web N	Manager			
<b>☆</b> Home	() Global	A Nodes	Walls	L Users
Source Prohie	SOURCE 10 - S	ONY BD10		
Source List     Add Source		SOURCE INFORMATION Name: Source 10 Title: Sony BD10		Phoenix DVI Input
Edit Source	Resolution: 1920 x 10	80	Phoenix Node: P Encoding input:	HOENIX105
	Capabilities Allowed		Encoder Mac Ad	dress: E8-40-F2-D2-5C-A3
	Manned: O Thumbgail Refresh Ir	ntervalutiormal	An make	And a

4. Verify the audio cabling/adapters are configured properly for audio input and output. Refer to the Phoenix Reference Manual for more information.

Tip: If audio can be heard from other sources on the wall, there is a problem between your source and the node. If audio cannot be heard from any source, there is a problem between the node and the speakers/amplifier.

5. Verify the settings and the volume controls on all audio devices are set correctly.

- Tip: A source, such as a desktop computer, may have its own volume control that is simply turned down too low. Check if the computer source has a set of speakers that may have a volume knob. On larger systems, check any attached amplifiers.
- 6. Reboot the node associated with the source. Refer to *Rebooting a Node* on page 5.

### Cannot interact with a source on a wall

Interaction is supported on Phoenix DVI Input, Remote Desktop, and VNC sources.

1. Verify Interaction is allowed for the source.

Source Profile	WORKSTATION 1		
Cource List	SOURCE INFORMATION Name: Workstation 1 Title: Workstation 1		VNC
Clit Source	Resolution: 1920 x 1080 Aspect Ratio: 16 x 9 Capabilities Allowed: () Manned: () Thumbnail Refresh Interval: Less Frequently	IP Address: 10.2.0.229 Port: 5900 Display Index: 1	

2. Verify you are in Interaction Mode and engaged in a session with the source.

	Test Wall 4	- C ×
Wei Concerto potos Source Test Pattern		
Windows		
Devring Grid		
Ilvertes Snepre		
and the second sec		
Winstew D - Workstation 1.1		
and the second se	The second s	
A DESCRIPTION OF A DESC	Contraction of the second second second	and the second se
and the second s	and a state of the second	and the second se
		10

3. Once engaged in Interaction Mode, click on the mouse cursor icon located on the top right corner of the source on the actual wall. This will allow you to interact with the source.



4. For Phoenix DVI Input sources, verify an interaction cable (USB to Mini USB) is installed and configured properly on the node (if the DVI is on input B, make sure the cable is going from the source to the KVM B connector on the same node.) Refer to the Phoenix Reference Manual for additional information.

Tip: As with all computers, USB devices and drivers often fail. Unplugging a USB from the device and plugging it back in often resolves the issue. You can also try plugging the USB into a different port on the computer or workstation.

5. Reboot the node associated with the source. Refer to *Rebooting a Node* on page 5.

### All or part of the wall does not display

- 1. Verify all displays and nodes are plugged in, on, and operational.
- 2. Clear any existing test patterns from the wall, and then apply another one to see if your output is working correctly.



3. Verify the wall is configured properly and the node outputs are mapped to a wall.



- 4. Verify the DVI cabling/adapters are properly configured and the signal strength is good.
- 5. Reboot the wall.

Wall Profile	TEST WALL 2		
<ul> <li>Walls List</li> <li>Add Wall</li> <li>Edit Wall</li> <li>Test Patterns</li> </ul>	040104 B Experiencing problems with your system	040104 A	Mapped Outputs: 2 Unmapped Outputs: 0 Nodes: 1 Resolution: 2048 x 1200 Refresh Rate: 59.94 Hz Identify Nodes

6. If the problem persists, contact technical support.

### Cannot access the Controller

If you cannot connect to a controller in the Desktop Manager, Controller Manager, or Web Manager:

- 1. Verify all devices in the system are plugged in, on, and operational.
- 2. Your network may be down temporarily. Verify you can access it.
- 3. Verify your IP settings as well as other IP configurations on your network devices.
- If you are connected wirelessly (using Wi-Fi), verify your wireless connection is connected to your LAN and not another network. The wireless connection cannot be your preferred Internet connection.

Tip: Multicasting over Wi-Fi can be sensitive, and must be configured properly.

5. Verify your software is up to date. When you update your controller software via the Update System option on the Global Settings page, you should be prompted to download the most current software when you attempt to use the Desktop Client software.

gband %2.3	-241.0			
Phoenix Desktop Client				
ISTS Sources Walls Layouts Treatments Favorites Users				
elect Recent Wall  Web Manager  Settings Help	•	_		
A Change Controller	Node Profile	00008D - PHOENIXI Nude Allowed Roles Cardrollar Decoder Encoder	Signals Signals Signals Signals Signals	(1.5) (1.5) (1.5) (1.5) (1.5) (1.5)

- 6. If the versions do not match, download the Desktop Client software from the sign in page in the Web Manager.
- 7. From the Global Settings page, restart the system.



8. If the problem persists, contact technical support.

### No controllers are available for the Desktop Client

If the computer you are using to run the Desktop Client has multiple network adapters and is connected to an adapter that is not connected to the correct network, the controller may not be available or the sources may not display on the wall simulator.

Change your network adapter for the Desktop Client by disabling the automatic configuration of the routing metric:

1. From the Control Panel, click View network connections.



2. Double-click on the active network adapter.

6		Network Connections	
•	- 🕆 🔮 + Control Panel + Netw	ork and Internet + Network Connections +	V G Saarch Historph Connections A
Organiza	•		₽· 🖬 (
	Bhenet Enabled Intel®(EESTRUM Gigabit Network Win-F) Not committed Unselcom 302.11n Network Adap	VEthernet vistaciontrol.liecal Hyper-V.Vistual Ethernet Adapter	Vota VPN Disconnected WAM Mesport (NEs/2)
	unacconsistent in one of a comparison of the company of the compan		

#### Tip: To verify your active network adapter, view your basic network information.



3. Click Properties.

	Ethernet Stat	tus
eneral		
Connection -		
IPv4 Connec	tivity:	Not Connected
IPv6 Connec	tivity:	Not Connected
Media State:		Enabled
Duration:		00:13:26
Speed:		1,0 Gbps
Activity	Sent 👗	Received
Activity	Sent	— Received 404,737
Activity Bytes:	Sent 184,825	Heceived 404,737 Diagnose

4. Click the appropriate TCP/IP version, and then click Properties.

Tip: Select by clicking the text, not the check box to the left of the text. If you clear the checkmark, you will disable TCP/IP on your computer.

Ethernet Properties	×
Networking Sharing	
Connect using:	
Intel(R) 82579LM Gigabit Network Conne	ction
	Configure
This connection uses the following items:	
Microsoft Network Adapter Multiplexor      Amicrosoft LLDP Protocol Driver      Amicrosoft LLDP Protocol Driver	Protocol 1/O Driver
Internet Protocol Version 6 (TCP/IPv6)	
Install Uninstall	Properties
Install Uninstall Description Transmission Control Protocol/Internet Protoco wide area network protocol that provides com across diverse interconnected networks.	Properties ol. The default imunication
Internet Protocol Version 6 (TCP/IPv6)	Properties ol. The default munication

5. Click Advanced.

eneral	Alternate Confi	guration				
You can this cap for the	n get IP settings : ability. Otherwis appropriate IP se	assigned aut iz, you need ettings.	tomatically if to ask your	your n networ	etwork s k admini	upports strator
۵۵	btain an IP addre	ess automati	cally			
Ou	se the following 1	P address:				
Pa	kdrens:		(a)			
Sibr	et notit:		(a)			1
Defi	ng Bajawaki					
	btain DNS server	address aut	onatically			
Ou	se the following D	INS server a	ddresses:			
Prel	erred DNS server					
Ate	inate DNS server			14	41	
⊞!v	alidate settings u	pon exit		(	Adva	nced

6. Clear the **Automatic metric** check box, add a priority in the **Interface metric** field (1 is the first and highest priority), and then click **OK**.

IP address DHCP Enabled		Submet mask	
	Adt	ħØ.	famove
Default gateways: Gateway		Metric	
	Ad5	ħP.	ferrere
Automatic metro	_	>	

### No sources are displayed on the wall simulator

- 1. Verify there are sources on the physical display wall.
- 2. From the Nodes list in the Web Manager, select the controller that is controlling your system. If you receive an error, the controller is unavailable.
- 3. Reboot the controller. Refer to *Rebooting a Node* on page 5.
- 4. Verify the controller is operating normally by viewing the node profile. Verify there are no communication errors or critical alerts (temperature, memory, load, etc.).
- 5. If all appears to be normal with the controller, from the Global Settings page, restart the system.



# Received a Sorry, an error occurred while processing your request message

If you received this message in the Web Manager when attempting to view a node profile, possible causes are:

When displayed on the	Probable Cause
Metrics tab	The background diagnostics results where unavailable for the node.
Utilization tab	<ul><li>One of the following:</li><li>The node could not be found on the network.</li><li>The utilization for the node was unavailable.</li></ul>
Decoding tab	<ul> <li>One of the following:</li> <li>The node could not be found on the network</li> <li>The output configuration for the node was unavailable.</li> <li>The decoding information for the node was unavailable.</li> </ul>
Encoding or Notes tab	The node could not be found on the network.

Encoding or Notes tab

To recover from this condition:

- 1. Check the network connector on the node.
- 2. Verify the node is available on the network (e.g., use a ping command).
- 3. Check the configuration for the node.

### A Still Source is not working

It is possible the image was corrupted. Edit the source profile and upload the image file.

### A VNC Source is not working

- 1. Verify the source is on and operational.
- 2. Verify the VNC server is running on the source. You can check this by logging onto the source machine and using the task manager to verify the TightVNC Server is running on the machine.

			-	-			ons View	le Optio	File
			ls Services	up Users De	Startup	App history	Performance	ocesses	Pro
0%	- 0%	41%	2%						
Network	Disk	Memory	CPU	tatus	Statu			ame	Na
0 Mops	U MB/S	19.7 MB	076			a	VILProvider Hos	HER AVE	
0 Mbps	0 MB/s	20.6 MB	0%			at (32 bit)	MI Provider Hos	🗃 WI	
0 Mbps	0 MB/s	1.6 MB	0%			ile (64-bit)	dService Modu	🙆 iPo	Þ
0 Mbps	0 MB/s	28.4 MB	0%			vs Search Inde	crosoft Windov	🔒 Mi	Þ
0 Mbps	0 MB/s	0.9 MB	0%			vork Service (.	vice Host: Netv	Ser	Þ
0 Mbps	0 MB/s	0.8 MB	0%			rvice (64bit)	son Scanner Se	Ep:	P
0 Mbps	0 MB/s	59.4 MB	0%	Antimalware Service Executable					
0 Mbps	0 MB/s	6.7 MB	0%				htVNC Server	Tig	C
0 Mbps	0 MB/s	2.5 MB	0%			bit)	amViewer 8 (32	Te	P
0 Mbps	0 MB/s	2.3 MB	0%			dows Image A	rvice Host: Win	Ser	P
0 Mbps	0 MB/s	0.6 MB	0%			onitoring Servi	el® PROSet Mo	📰 Int	Þ
0 Mbps	0 MB/s	4.5 MB	0%	Device Association Framework					
0 Mbps	0 MB/s	7.3 MB	0%	Epson Customer Participation			Þ		
0 Mbps	0 MB/s	1.5 MB	0%				njour Service	🖭 Bo	•
0 Mbps	0 MB/s	0.9 MB	0%			Aanagement S	etooth Radio M	Blu	Þ.

- 3. Attempt to login to the VNC machine from your computer.
- 4. In the Web Manager, verify all information (IP address, password or port number) is correct on the source page and verify interaction is allowed.

	-		VNC Info	_
			Presented .	
Angent .			rassword.	
			Display Index:	
	-		0 0	
Refresh Thumbn	all			
			Network Info	
Source Name:			Address:	
Workstation 1			10.2.0.229	
Source Title (for walls):			Port:	
Workstation 1 (VNC)			5900 0	
Default Treatments				
No Treatment	~		Allow Interaction	
			Manned (operator attended)	
Thumbnail Refresh Interval				
Normal	. <del>.</del> .			
🗆 Override Default Bitrate	с кы	05		
overnue veraute pictate				
Titling Overrides				
By selecting the Titling Overrides checkb	ox (below), you	will be able to o	verride the source titling in every wall instance.	
	19.11.202			
Yes, I want to override the defa	ult titling on !	this source.		

5. After everything has been verified, reboot the Phoenix system.

### A Remote Desktop source is not working

- 1. Verify the source is powered on and operating normally.
- 2. Verify there is no other user currently logged into the remote machine.



Remote computer only allows one user at a time to connect.

3. Verify Remote Desktop is enabled on the source machine (from the control panel, click System, and then click on Remote Settings.)



System Properties								
Computer Name Hardware Advanced System Protection Remote								
Remote Assistance								
$\checkmark$ Allow <u>R</u> emote Assistance connections to this computer								
What happens when I enable Remote Assistance?								
Ad <u>v</u> anced								
Provide Decidition								
Remote Desktop								
Choose an option, and then specify who can connect.								
Up t allow remote connections to this computer								
Allow remote connections to this computer								
Allow connections only from computers running Remote Desktop with Network Level Authentication (recommended)								
Colort Llore								
OK Cancel Apply								

4. Verify all information (user name, password, address, and port) is correct on the Source page and verify interaction is allowed.

It Source	EDIT SOURCE	
100000000000	Source Type: Remote Desimp v	
Source List	Provide the second s	Remote Desktop Info
and the second	E Marca	Uper Name:
Delete Source		vistacontro/Mbowers
Contract Description		Password
Source Prome		
	Source Name: RemoteDesktop2 Source Title (for wellig): Mise's Laptop (RD)	Address: 19.2.8.227 Port: 2009 C
	Default Treatment:	14 allocations
	No Toutrieff.	
	Thumbhail Hefrish Interval	<ul> <li>Manusci (operator attended)</li> </ul>
	Newy	

- 5. Check your Windows firewall settings to make sure it is not blocking the Remote Desktop Protocol. If it is, you can manually add an exception to the firewall exceptions list.
- 6. Attempt to connect to the source using Remote Desktop software from your computer.
- 7. If all steps have been verified, reboot the node associated with the source. Refer to *Rebooting a Node*, page *5*.

### A RTSP source is not working

- 1. Verify the source is on and operating normally.
- 2. Attempt to login to the source by typing the IP address of the source in your browser's address field.
- 3. Verify the settings for the source. This will differ for each manufacturer. You should verify the main settings (including the IP addresses, username, and password) and verify any multicast settings on the camera are enabled.
- 4. Verify the settings for the source page in the Web Manager. The settings should have the correct information from step 3.

â		۸				0
Home	Global	Nodes	Walls	Users	Sources	Help
Edit Source	EDIT SOURCE	1				
	Source Type:	19P Sinsam				
e Sourcestar	No. of Concession, Name			- Network Info		
X Delete Source				Address: 10.2.0.247		
🗲 Source Profile				Parts 1994 - C i Video File Nat	10	
				ave-media/me	5a ang	
	Source Name:			Reep Alive:		
	Anis 1			= 01		
	Searce Title (for	walls):				
	Care 1			- 🗆 Use Anonya	sous Authentication	
	Default Treatmen	et:		User Name:	Past	word:
	No lingurout					
	Thumboull Refree	ib interval		-		
	Patricial			S POPOR DIRICAL	(anotation analocant)	

- 5. Verify the Video File Name from the manufacturer matches the file name in the source profile. The file name can usually be found in the product's documentation. Often an administrator is required to configure the product. The file name provides a path to the RTSP stream.
- 6. Reboot the source.
- 7. Reboot the node associated with the source. Refer to *Rebooting a Node*, page 5.

### Video is Pixelated or Green

This is usually caused by a faulty connection. Possible causes include:

- The cable run could be too long.
- The DVI adapters may be faulty.
- There may be noise from high voltage devices or power inductions from faulty grounds.
- The EDID configuration may be incorrect.
- 1. Check all connections between the node and the source and the controller.
- 2. Verify the video display resolution is set correctly.
- 3. Verify the resolution of the source.
- 4. Verify your EDID configuration.
- 5. Restart the source.

### Unable to interact with a source

- 1. Verify you are in interaction mode and have selected the interaction icon on the wall (Green Mouse Icon).
- 2. From the Source List in the Web Manager, select the source you wish to interact with.
- 3. Verify interaction mode is enabled.



- 4. If the source is a HID-capable device that is configured as a Phoenix DVI Input source (e.g., a workstation connected via DVI), verify the USB to Mini USB cable is connected to the corresponding input (e.g., if workstation 1 is connected through a DVI connector on Node 2 on input B, make sure the USB is also connected from the USB port from the source to Node 2, input B KVM). Refer to the Phoenix Reference Manual for additional details.
- 5. If hardware is connected properly, restart the source.
- 6. After the source is back online, attempt to interact with the source.
- 7. If you still cannot interact with the source, reboot the node the source is connected to. Refer to *Rebooting a Node* on page *5*.

### Unable to assign a controller

1. Make sure the controller is on and connected to the network. You can use the ping command to verify this.



2. Verify the controller is on the correct network ID and subnet (e.g., your laptop and environment are on 192.168.xxx.xxx with a subnet mask of 255.255.0.0). The nodes and network should be configured properly, preferably on the same network ID.

Edit Node	EDIT NODE
C Nodes List	NODE INFORMATION Node Allowed Roles: Decoding Incoding/Transcoding
🗲 Node Profile	Automatically Acquire IP Address
	Subnet Mask 255 255 0.0
	Default Gateway 10.2.0.1 Preferred DNS 0.0.0.1
A	Preferred DNS 0001

- 3. Verify the software is up to date.
- 4. Make sure the node is not already a controller. You can verify this by opening the Controller Manager, then select Un-assign a Controller. If you see the controller in the list, it is already a controller.





5. Restart the controller.

### Display wall appears torn or out of sync

1. Verify the nodes are synched together using the sync cable in the right configuration. Refer to the Phoenix System Reference Manual for details.

Tip: VESA format is recommended when frame synchronization is enabled.

2. On the Edit Wall page in the Web Manager, verify the Enable Frame Synchronization is enabled.

Edit Wall	EDIT WALL TOP WALL	
🗲 Wallis List	Build Your Configuration - Step 1 (of 2) Build a new wall for your Phoenix system. The information you enter (below built a successful wall preview, continue on to map your Phoenix nodes to y	v) should configure a wall preview which matches your output array. Once you have our outputs (on the next page).
X Delete Wall	Basic Information	Well environments
🗲 Wall Profile	Top Wal	Admin +
	Output Array	Output Format Format:  Factory O VESA
	Output Spacing <ul> <li>Bezel Compensation (+)</li> <li>Blend Screens (-)</li> <li>None</li> </ul>	1000pr (\$709.04Hz)     ✓       Rotation     Off ✓       Enable Frame Swechronization
	Horizontal Vertical	

# IP address for the controller is not available in the Desktop Client

If you are connecting to a controller using a wireless connection or if you are connecting to a controller from outside the subnet that the Phoenix system is connected to, you need to type the IP address of the controller in the Select Controller field (it will not be displayed in the list).

Phoenix Desktop Client	
Salast Controllor	
Select Controller	-
	-

### Add a new node

- 1. Connect the node to the same LAN as the controller.
- 2. Edit the Node to set the IP address of the new node to the same subnet as the controller. The node reboots and obtains the latest software from the controller.

### Problems with the entire network

If no nodes on your network can connect, you probably have problems with the server functioning as your primary domain controller or the Phoenix controller. You should go to this server to begin the troubleshooting process. When existing issues with the server are resolved, proceed to the controller.

If the IP address of the controller does not populate in the lists in the desktop client or controller manager, you may have a multicasting network issue. If you don't see a node on the node list, it is because the nodes did not connect to the network properly. They may have subnet issues or issues within their network.

If you suspect that you have a problem with TCP/IP, use the PING command to ping your own IP address. If the command succeeds, then TCP/IP is functional. However, this only means that the protocol is functional; it doesn't necessarily mean that TCP/IP can communicate with the rest of the world.

If the PING command is successful for the malfunctioning computer, use the PING command to ping another computer on the same network segment as the malfunctioning computer. Doing so will test your network card. If the command fails, the network card is malfunctioning.

If the command is successful, use the command to ping the same computer using the computer name rather than its IP address. If the command fails, you probably have a problem with your WINS or DNS configuration, or possibly with your LMHOSTS file (if you use one).

### Troubleshooting switching devices

Switching device failures usually affect groups of network devices, although it is possible for only one device to be affected. For example, a single port on a hub can go bad. If you've tried unsuccessfully to troubleshoot a cable problem and that cable is plugged into a hub on one end, try plugging it into a different port or into a different hub.

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## **Technical Notes**

This section contains useful information that describes some of the technical details for the Phoenix system.

### **Refresh Thumbnails**

The refresh interval for updating thumbnails is relative to the system load. The thumbnails are updated for up to 25 sources at one time. If you have more than 25 sources to refresh, the thumbnails will be refreshed in batches of 25. Valid values are never, less frequently (every 75 seconds), normal (every 60 seconds), or more frequently (every 45 seconds). For example, if you have 50 sources with a refresh interval of normal, the first 25 sources will be updated every 60 seconds and the remaining sources will be updated after the first 25 complete the update.

### Internet Information Server (IIS) Setup for Web Manager

Windows Features:

.NET Framework 4.5 Advanced Services

-ASP.NET 4.5

-WCF Services

-HTTP Activation

-TCP Port Sharing

Internet Information Services

Word Wide Web Services

Application Development Features

.NET Extensibility 4.5

ASP.NET 4.5

**ISAPI** Extensions

ISAPI Filters

WebSocket Protocol

**Common HTTP Features** 

Default Document

HTTP Errors

Static Content

Internet Information Services Hostable Web Core

IIS Configuration: Application Pools -> DefaultAppPool->Advanced Settings Process Model->Identity: should be an admin account for the box (something like PHOENIX....). Requires username/password Sites->DefaultWebSite Authentication->Anonymous Authentication Set to Application pool identity Authentication->Forms Authentication Set to Enabled Permissions:

C:\Applications\Phoenix\Version x.x.x\WebClient

Right Click->Properties->Security (Tab)

Add:

IIS\_IUSRS

IIS AppPool\DefaultAppPool

#### CHKISTIE

## Index

audio, 7 controller assignment, 22 Desktop Client, 12 IP address, 24 no access, 11 display wall out of sync, 24 torn, 24 document conventions, 1 error processing request, 16 IIS, 27 interaction, 9, 22 network, 25 network adapter, 12 no access to UI, 11 node add, 25 reboot, 5 reboot node, 5 references, 1 Remote Desktop source, 19 routing metric, 12 RTSP source, 21 source still, 17 source

interaction, 9 no audio, 7 not displayed on wall, 6 source VNC, 17 source Remote Desktop, 19 source RTSP, 21 source interaction, 22 sources wall simulator, 16 still source, 17 switches, 25 thumbnails refresh, 27 troubleshooting, 5 UI, 11 video, 21 green, 21 pixelated, 21 VNC source, 17 wall not displayed, 10 source not displayed, 6 wall simulator sources, 16

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#### **Capaciteo**ffices

USA Cypress ph 7142368610 Carach - Kitchener ph 519-744-8005

#### Vullchickoffices

**Utite:**Kingdom **pb-141113977**8000 France **pb-133(Q)141210086** Germany **pb-14921616**64540 E35597 Europe ph-F3C() 1474B100 NitsHEEast ph-F971(042997 575 Spain ph-F3F9(6339990 Singapore **1-1 - 455**6877-8737 Beijing **1-1 - 1-85105561**0240 Shanghai **1-1 - 1-5521 6229**708 Japan phn81-3-3599-7481 SouthKorea phn-**1822722**1601

