







# Interactive Troubleshooting Guide: Q-SYS<sup>TM</sup> SOFTPHONE REGISTRATION FAILURES

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# Please choose a Softphone issue to begin your troubleshooting

# **INVALID INTERFACE**

LAN connection to which this Softphone is assigned is not plugged in, has no connectivity or is not receiving IP address from DHCP.

Use the following instructions to troubleshoot this scenario.

Is assignment correct?

**RETURN TO:** 

MAIN MENU THIS SCENARIO



## Check **Softphone LAN assignment** in Q-SYS Administrator:



# **INVALID INTERFACE**

LAN connection to which this Softphone is assigned is not plugged in, has no connectivity or is not receiving IP address from DHCP.

Check physical connection to VOIP infrastructure.

**RETURN TO:** 





Are connection/data leds present on NIC switch?

# **INVALID INTERFACE**

LAN connection to which this Softphone is assigned is not plugged in, has no connectivity or is not receiving IP address from DHCP.

**RETURN TO:** 



## **Troubleshooting Steps:**

# Check Q-SYS LAN connection of Softphone in Q-SYS Configurator.

Is the IP address correct?

# **INVALID INTERFACE**

LAN connection to which this Softphone is assigned is not plugged in, has no connectivity or is not receiving IP address from DHCP.

**RETURN TO:** 





# Correct assignment in Q-SYS Administrator.

Status OK?

# **INVALID INTERFACE**

LAN connection to which this Softphone is assigned is not plugged in, has no connectivity or is not receiving IP address from DHCP.

**RETURN TO:** 





# Correct physical connection problems: Status OK?



# **INVALID INTERFACE**

LAN connection to which this Softphone is assigned is not plugged in, has no connectivity or is not receiving IP address from DHCP.

**RETURN TO:** 





## Correct IP address: Status OK?

# **INVALID INTERFACE**

LAN connection to which this Softphone is assigned is not plugged in, has no connectivity or is not receiving IP address from DHCP. The interface should be valid now. Please find a new status message.

RETURN TO:





# **INVALID INTERFACE**

LAN connection to which this Softphone is assigned is not plugged in, has no connectivity or is not receiving IP address from DHCP.



**RETURN TO:** 



# **Congratulations!**

You should now be ready to make a test call.



#### **Check / Correct Softphone LAN Assignment in Q-SYS Administrator**

While connected to the system with Q-SYS Designer Software, open Q-SYS Administrator and choose the Softphones tab to the left.

The Core Interface setting determines which of the network interfaces of the Core shall be used for Softphone call negotiation and audio. If the VoIP network must be isolated from the Core control and Q-LAN traffic, using the LAN B (for Core 110f) or AUX port (Core 500i, Core 1100, Core 3100) is recommended. To change this setting, click on the down arrow next to the setting and choose the appropriate option. Make sure to click on the Update button in the resulting red banner to the top of the dialog.

	Commands	ourchiones	Core Interface	LAN A	
	Command Schedule	Softphone-1	SIP Port	5060	
	Command Schedule		Enable DTMF INFO	No	1
2	Users		RFC2833 DTMF Type	101	
Et4	User Control Interfaces		Enable Logging	No	
, ,	Audio Files		Enable Stun	No	•
			Enable SRTP	No	
	Event Log		Audio Codecs		]_
C	Softphones		G.722		
	Contacts		G.726 32k G.711 ulaw		

Q-SYS Admini	strator ×		
ave changed	Update Cancel		
hands	Softphones	Core Interface	LAN A
and Schedule	Softphone-1	SIP Port	5060
		Enable DTMF INFO	No
		RFC2833 DTMF Type	101





#### **Check / Correct Softphone LAN Assignment in Q-SYS Administrator**

While connected to the system with Q-SYS Designer Software, open Q-SYS Administrator and choose the Softphones tab to the left.

The Core Interface setting determines which of the network interfaces of the Core shall be used for Softphone call negotiation and audio. If the VoIP network must be isolated from the Core control and Q-LAN traffic, using the LAN B (for Core 110f) or AUX port (Core 500i, Core 1100, Core 3100) is recommended. To change this setting, click on the down arrow next to the setting and choose the appropriate option. Make sure to click on the Update button in the resulting red banner to the top of the dialog.

	Commands	ourchiones	Core Interface	LAN A	
	Command Schedule	Softphone-1	SIP Port	5060	
	Command Schedule		Enable DTMF INFO	No	1
2	Users		RFC2833 DTMF Type	101	
Et4	User Control Interfaces		Enable Logging	No	
, ,	Audio Files		Enable Stun	No	•
			Enable SRTP	No	
	Event Log		Audio Codecs		]_
C	Softphones		G.722		
	Contacts		G.726 32k G.711 ulaw		

Q-SYS Admini	strator ×		
ave changed	Update Cancel		
hands	Softphones	Core Interface	LAN A
and Schedule	Softphone-1	SIP Port	5060
		Enable DTMF INFO	No
		RFC2833 DTMF Type	101





# **SERVICE UNAVAILABLE**

Softphone has contacted the proxy server, but the server cannot accommodate the request.

Use the following instructions to troubleshoot this scenario.

Is assignment correct?

#### **RETURN TO:**

THIS SCENARIO

#### MAIN MENU



## Check **Softphone LAN assignment** in Q-SYS Administrator:



# **SERVICE UNAVAILABLE**

Softphone has contacted the proxy server, but the server cannot accommodate the request.

Is assignment correct?

#### **RETURN TO:**

THIS SCENARIO

#### MAIN MENU



## Confirm **IP Address of Proxy** with VOIP Admin and confirm settings in Q-SYS administrator:

# **SERVICE UNAVAILABLE**

Softphone has contacted the proxy server, but the server cannot accommodate the request.

Is assignment correct?

#### **RETURN TO:**

THIS SCENARIO

#### MAIN MENU



## Check **Softphone LAN assignment** in Q-SYS Configurator:

# **SERVICE UNAVAILABLE**

Softphone has contacted the proxy server, but the server cannot accommodate the request.

Is assignment correct?

#### **RETURN TO:**

THIS SCENARIO

#### MAIN MENU

## **Troubleshooting Steps:**

## Confirm **TCP/UDP transport** with VOIP Admin and check setting in Q-SYS Administrator:



# **SERVICE UNAVAILABLE**

Softphone has contacted the proxy server, but the server cannot accommodate the request.

#### **RETURN TO:**

START OF THIS SCENARIO

#### MAIN MENU



Correct assignment in Q-SYS Administrator:

Status OK?

# **SERVICE UNAVAILABLE**

Softphone has contacted the proxy server, but the server cannot accommodate the request.

#### **RETURN TO:**

START OF THIS SCENARIO

#### MAIN MENU



# Correct proxy IP in Q-SYS Administrator:

Status OK?

# **SERVICE UNAVAILABLE**

Softphone has contacted the proxy server, but the server cannot accommodate the request.

#### **RETURN TO:**

START OF **THIS SCENARIO** 

#### MAIN MENU



## Correct IP Address: Status OK?

# **SERVICE UNAVAILABLE**

Softphone has contacted the proxy server, but the server cannot accommodate the request.

#### **RETURN TO:**

START OF **THIS SCENARIO** 

#### MAIN MENU



## Correct SIP transport: Status OK?

# **SERVICE UNAVAILABLE**

Softphone has contacted the proxy server, but the server cannot accommodate the request.

Is assignment correct?

#### **RETURN TO:**

THIS SCENARIO

#### MAIN MENU

## **Troubleshooting Steps:**

## Confirm **SIP Port settings** with VOIP admin and check in Q-SYS Administrator:

# **SERVICE UNAVAILABLE**

Softphone has contacted the proxy server, but the server cannot accommodate the request.

#### **RETURN TO:**

START OF **THIS SCENARIO** 

#### MAIN MENU



# Correct SIP port number: Status OK?

# **SERVICE UNAVAILABLE**

Softphone has contacted the proxy server, but the server cannot accommodate the request.

Support.

#### **RETURN TO:**

THIS SCENARIO

#### MAIN MENU

## **Troubleshooting Steps:**

# Gather sip.txt and PCAP capture information from Q-SYS Core and contact Q-SYS Technical

# **SERVICE UNAVAILABLE**

Softphone has contacted the proxy server, but the server cannot accommodate the request.



#### **RETURN TO:**

**THIS SCENARIO** 

#### MAIN MENU

# **Congratulations!**

You should now be ready to make a test call.



#### **Check / Correct Softphone LAN Assignment in Q-SYS Administrator**

While connected to the system with Q-SYS Designer Software, open Q-SYS Administrator and choose the Softphones tab to the left.

The Core Interface setting determines which of the network interfaces of the Core shall be used for Softphone call negotiation and audio. If the VoIP network must be isolated from the Core control and Q-LAN traffic, using the LAN B (for Core 110f) or AUX port (Core 500i, Core 1100, Core 3100) is recommended. To change this setting, click on the down arrow next to the setting and choose the appropriate option. Make sure to click on the Update button in the resulting red banner to the top of the dialog.

	Commands	ourchiones	Core Interface	LAN A	
	Command Schedule	Softphone-1	SIP Port	5060	
	Command Schedule		Enable DTMF INFO	No	1
2	Users		RFC2833 DTMF Type	101	
Et4	User Control Interfaces		Enable Logging	No	
, ,	Audio Files		Enable Stun	No	•
			Enable SRTP	No	
	Event Log		Audio Codecs		]_
C	Softphones		G.722		
	Contacts		G.726 32k G.711 ulaw		

Q-SYS Admini	strator ×		
ave changed	Update Cancel		
hands	Softphones	Core Interface	LAN A
and Schedule	Softphone-1	SIP Port	5060
		Enable DTMF INFO	No
		RFC2833 DTMF Type	101





## **Confirm/Correct IP Address of Proxy Server in Q-SYS Administrator**



While connected to the system with Q-SYS Designer Software, open Q-SYS Administrator and choose the Softphones tab to the left.

Double-click on the Softphone entry in the left-hand pane of the dialog. The proxy IP address is found in the 'Proxy' field in the resulting dialog.

Note that if the Proxy address is a hostname, DNS must be enabled and have at least one valid DNS server entry. To edit the proxy address, type the new address in the 'Proxy' field and click 'OK'.

Make sure to click on the Update button in the resulting red banner to the top of the dialog.



## **Check / Correct Q-LAN Connection of Softphone in Q-SYS Configurator**

In Q-SYS Designer Software (connected or disconnected from the Core), open Q-SYS Configurator. Choose the Core in the to the left.

The mode and current IP address of each interface will be shown in the dialog. Check the connection (LAN A or LAN B) which the Softphone is bound to confirm that it has the corre settings for the VoIP network. If the address shows as 'link local' (169.254.xxx.xxx), this would imply the DHCP server is not assigning an address to the Core interface.

To change the IP address of an interface, first choose the correct mode: If assigned by DHCP, choose 'Auto', if manually assigned, choose "Static". If using the static mode, type the address, subnet mask and gateway in the correct fields. Note that DNS servers are always set manually. If DNS is required, check the 'Enable DNS' box and add the addresses. When finished, hit the 'Update Settings button to the bottom right of the Q-SYS Configurator dialog.

Cameras	Name	Exam-Core			ID	
PTZ-12x72 : PTZ-12x72	Firmware Version	5.3.76				
Cores	Design	Camera_UCI_	Test_06 ( Running )	N.		
Core 110f : exam-core	Design Uptime	13 Days 1 Ho	ur 58 Minutes 44 Se	conds		
Core 500i : training-cor	Hardware ID	3-1E64FFBAC	5DCD736583ACB9	724C61D40		
	Feature Keys +	Model = Con	e 110f, PlayerChann	els = 32		
	LAN A	0.000005-00000			MAC Wired To : 70	: 00:19:0F:23:AF:AF :62:b8:08:61:4c : on
			Mode :	Auto		
	IP Add	ress: 169.254.205.252	Net Mask :	255.255.0.0	Gateway :	0.0.0.0
	Static Route	s				
	LAN B				MAC	: 00:19:0F:23:AF:AE
			Mode :	Auto		
	IP Add	ress : 192,168,0,100	Net Mask :	255,255,255,0	Gateway :	192.168.0.254
	Static Route	\$				+
	DNS I Enable DN	s				
	Primary DNS	209.18.47.61				
	Secondary DI	NS 209.18.47.62				





## **Confirm/Correct TCP/UDP SIP Transport in Q-SYS Administrator**



While connected to the system with Q-SYS Designer, open Q-SYS Administrator and choose the Softphones tab to the left. Double-click on the Softphone entry in the left-hand pane of the dialog. The SIP transport is found in the 'Transport' field in the

resulting dialog.

To edit the transport, click the down arrow to the right of the 'Transport' field and choose the appropriate type. Click 'OK'.

Make sure to click on the Update button in the resulting red banner to the top of the dialog.

	Softphone-1			
	103	anged Update Cancel		
	103Softphone-1	Softphones	Core Interfa	ace LAN A
	192.168.1.29	Softphone-1	SIP Port	5060
, vxor	UDP 💌	hedule	Enable DTM	IF INFO No
D	103		RFC2833 D	TMF Type 101
	12345	Interfaces	Enable Log	ging <mark>No</mark>
ial)			Enable Stur	n <mark>No</mark>
	OK Cancel		Enable CDT	D. No





#### **Confirm/Correct SIP Port Settings in Q-SYS Administrator**



The standard port setting for UDP and TCP SIP communication is 5060, which is the default configuration of the Softphone when created in Designer. If the VoIP system to be integrated with requires a non-standard port configuration, it should be included in the information you receive from the VoIP administrator. In Q-SYS Administrator the SIP listening port can be changed independently of the SIP transmit port. In most cases, it will be adequate to change both to the number given by the VoIP administrator. To change the port assignments, open Q-SYS Administrator and choose the Softphones tab to the left.

The SIP listening port is found in the 'SIP Port' field to the right. To change the SIP transmit port, double-click on the Softphone entry to the left of the dialog.

Double-click on the Softphone entry in the left-hand pane of the dialog. The proxy IP address is found in the 'Proxy' field in the resulting dialog.

Note that if the Proxy address is a hostname, DNS must be enabled and have at least one valid DNS server entry. To edit the proxy address, type the new address in the 'Proxy' field and click 'OK'.







#### **Confirm/Correct SIP Port Settings in Q-SYS Administrator (continued)**

The transmit port number is appended to the proxy address or hostname after a ':' with no spaces. In this example, the SIP transmit port of 4625 is appended to the proxy address to be '192.168.1.29:4625'

Once changed, click 'OK'.

Make sure to click on the Update button in the resulting red banner to the top of the dialog.

Softphone-1
103
103Softphone-1
192.168.1.29
UDP
Yes
103
12345



#### **Gather SIP.txt and PCAP Capture Information From Q-SYS Core** and Consult Q-SYS Technical Support



As outlined in the first steps, the 'Enable Logging' feature was employed to create a log of SIP information to aid in advanced troubleshooting. Having this logging information will speed up resolution when consulting with our Q-SYS Technical Support. To get the SIP log, open an internet browser and type <IP Address of Core>/sip.txt in the internet address field. If the address is valid, the SIP log of the core should load.

Right-click on the loaded page and choose 'save as'. Choose a known file location and name so it can be emailed to support.

A second set of diagnostic information can be gathered by creating a PCAP (wireshark) capture of the interface used for the Softphone. To create this, in the browser go to the address <IP Address of Core>/pcap\_capture.html.

Select the appropriate interface in the 'Select LAN' field. Set the 'Packet length' field to 2048 and hit the 'Start' button. Let the capture run for 5 minutes, and then hit the 'Stop' button. Download the capture file ('Download' button) and send this along with the SIP log to Q-SYS support.





# **REQUEST TIMEOUT**

Softphone has contacted the proxy server but the server has not responded.

Use the following instructions to troubleshoot this scenario.

Is assignment correct?

#### **RETURN TO:**

THIS SCENARIO

#### MAIN MENU



## Check **Softphone LAN assignment** in Q-SYS Administrator:



# **REQUEST TIMEOUT**

Softphone has contacted the proxy server but the server has not responded.

Is assignment correct?

#### **RETURN TO:**

THIS SCENARIO

#### MAIN MENU



## Confirm **IP Address of proxy** with VOIP admin and confirm settings in Q-SYS Administrator:



# **REQUEST TIMEOUT**

Softphone has contacted the proxy server but the server has not responded.

Is assignment correct?

#### **RETURN TO:**

START OF **THIS SCENARIO** 

#### MAIN MENU



## Check **Softphone LAN assignment** in Q-SYS Configurator:

# **REQUEST TIMEOUT**

Softphone has contacted the proxy server but the server has not responded.

Check Q-SYS LAN connection default Gateway/DNS Address information (if proxy on another subnet).

Is Gateway/DNS correct?

#### **RETURN TO:**

THIS SCENARIO

#### MAIN MENU

## **Troubleshooting Steps:**

# **REQUEST TIMEOUT**

Softphone has contacted the proxy server but the server has not responded.

Correct assignment in Q-SYS Administrator:

Status OK?

#### RETURN TO:

START OF THIS SCENARIO

#### MAIN MENU



# **REQUEST TIMEOUT**

Softphone has contacted the proxy server but the server has not responded.

#### **RETURN TO:**

**START OF THIS SCENARIO** 

#### MAIN MENU



# Correct proxy IP in Q-SYS Administrator:

Status OK?

# **REQUEST TIMEOUT**

Softphone has contacted the proxy server but the server has not responded.

#### **RETURN TO:**

**START OF THIS SCENARIO** 

#### MAIN MENU



- Correct IP Address:
- Status OK?

# **REQUEST TIMEOUT**

Softphone has contacted the proxy server but the server has not responded.

#### **RETURN TO:**

START OF **THIS SCENARIO** 

#### MAIN MENU



# Correct Gateway/DNS Address: Status OK?

# **REQUEST TIMEOUT**

Softphone has contacted the proxy server but the server has not responded.

Support.

#### **RETURN TO:**

START OF THIS SCENARIO

MAIN MENU

## **Troubleshooting Steps:**

# Gather sip.txt and PCAP capture information from Q-SYS Core and contact Q-SYS Technical

# **REQUEST TIMEOUT**

Softphone has contacted the proxy server but the server has not responded.



#### **RETURN TO:**

**THIS SCENARIO** 

#### MAIN MENU

# **Congratulations!**

You should now be ready to make a test call.



#### **Check / Correct Softphone LAN Assignment in Q-SYS Administrator**

While connected to the system with Q-SYS Designer Software, open Q-SYS Administrator and choose the Softphones tab to the left.

The Core Interface setting determines which of the network interfaces of the Core shall be used for Softphone call negotiation and audio. If the VoIP network must be isolated from the Core control and Q-LAN traffic, using the LAN B (for Core 110f) or AUX port (Core 500i, Core 1100, Core 3100) is recommended. To change this setting, click on the down arrow next to the setting and choose the appropriate option. Make sure to click on the Update button in the resulting red banner to the top of the dialog.

	Commands	ourchiones	Core Interface	LAN A	
	Command Schedule	Softphone-1	SIP Port	5060	
	Command Schedule		Enable DTMF INFO	No	1
2	Users		RFC2833 DTMF Type	101	
Et4	User Control Interfaces		Enable Logging	No	
, ,	Audio Files		Enable Stun	No	•
			Enable SRTP	No	
	Event Log		Audio Codecs		]_
C	Softphones		G.722		
	Contacts		G.726 32k G.711 ulaw		

Q-SYS Admini	strator ×		
ave changed	Update Cancel		
hands	Softphones	Core Interface	LAN A
and Schedule	Softphone-1	SIP Port	5060
		Enable DTMF INFO	No
		RFC2833 DTMF Type	101





## **Confirm/Correct IP Address of Proxy Server in Q-SYS Administrator**



While connected to the system with Q-SYS Designer Software, open Q-SYS Administrator and choose the Softphones tab to the left.

Double-click on the Softphone entry in the left-hand pane of the dialog. The proxy IP address is found in the 'Proxy' field in the resulting dialog.

Note that if the Proxy address is a hostname, DNS must be enabled and have at least one valid DNS server entry. To edit the proxy address, type the new address in the 'Proxy' field and click 'OK'.

Make sure to click on the Update button in the resulting red banner to the top of the dialog.



## **Check / Correct Q-LAN Connection of Softphone in Q-SYS Configurator**

In Q-SYS Designer Software (connected or disconnected from the Core), open Q-SYS Configurator. Choose the Core in the to the left.

The mode and current IP address of each interface will be shown in the dialog. Check the connection (LAN A or LAN B) which the Softphone is bound to confirm that it has the corre settings for the VoIP network. If the address shows as 'link local' (169.254.xxx.xxx), this would imply the DHCP server is not assigning an address to the Core interface.

To change the IP address of an interface, first choose the correct mode: If assigned by DHCP, choose 'Auto', if manually assigned, choose "Static". If using the static mode, type the address, subnet mask and gateway in the correct fields. Note that DNS servers are always set manually. If DNS is required, check the 'Enable DNS' box and add the addresses. When finished, hit the 'Update Settings button to the bottom right of the Q-SYS Configurator dialog.

Cameras	Name	Exam-Core			ID	
PTZ-12x72 : PTZ-12x72	Firmware Version	5.3.76				
Cores	Design	Camera_UCI_	Test_06 ( Running )	N.		
Core 110f : exam-core	Design Uptime	13 Days 1 Ho	ur 58 Minutes 44 Se	conds		
Core 500i : training-cor	Hardware ID	3-1E64FFBAC	5DCD736583ACB9	724C61D40		
	Feature Keys +	Model = Con	e 110f, PlayerChann	els = 32		
	LAN A	0.000005-00000			MAC Wired To : 70	: 00:19:0F:23:AF:AF :62:b8:08:61:4c : on
			Mode :	Auto		
	IP Add	ress: 169.254.205.252	Net Mask :	255.255.0.0	Gateway :	0.0.0.0
	Static Route	s				
	LAN B				MAC	: 00:19:0F:23:AF:AE
			Mode :	Auto		
	IP Add	ress : 192,168,0,100	Net Mask :	255,255,255,0	Gateway :	192.168.0.254
	Static Route	\$				+
	DNS I Enable DN	s				
	Primary DNS	209.18.47.61				
	Secondary DI	NS 209.18.47.62				





#### **INVALID USERNAME OR** PASSWORD

## **USER UNKNOWN**

#### **OPERATION HAS NO MATCHING CHALLENGE**

Softphone has successfully contacted proxy but does not recognize digest password.

**RETURN TO:** 



Use the following instructions to troubleshoot this scenario.

Confirm digest Username & Password with VOIP admin.

Username & Password correct?







#### INVALID USERNAME OR PASSWORD

## **USER UNKNOWN**

#### **OPERATION HAS NO MATCHING CHALLENGE**

Softphone has successfully contacted proxy but does not recognize digest password.

RETURN TO:



Review phone system setup documentation with VOIP Admin, and confirm setup.



#### **INVALID USERNAME OR** PASSWORD

## **USER UNKNOWN**

#### **OPERATION HAS NO MATCHING CHALLENGE**

Softphone has successfully contacted proxy but does not recognize digest password.

**RETURN TO:** 





- Correct credentials in Q-SYS Administrator:
- Status OK?

#### **INVALID USERNAME OR** PASSWORD

## **USER UNKNOWN**

## **OPERATION HAS NO MATCHING CHALLENGE**

Softphone has successfully contacted proxy but does not recognize digest password.

**RETURN TO:** 



# **Congratulations!**

You should now be ready to make a test call.



#### **Confirm/Correct Username and Password in Q-SYS Administrator**



While connected to the system with Q-SYS Designer Software, open Q-SYS Administrator and choose the Softphones tab to the left.

Double-click on the Softphone entry in the left-hand pane of the dialog. The SIP credentials can be found in the resulting dialog.

The 'User Name' field is often referred to by VoIP administrators as the 'subscriber number'. When the Softphone attempts to register, it uses this parameter in the contact field. The 'Authentication ID' and 'Password' fields are the digest username and passwords set when the VoIP administrator configures the digest user. To edit these fields, type the correct credentials into the fields and hit 'OK'.

Make sure to click on the Update button in the resulting red banner to the top of the dialog.

	8	/S Administrat	tor X		
	Softphone-1	and the	date l'ancel		
	103	anged Op	idate Lancer		
	103Softphone-1		Softphones	Core Interface	LAN A
	192.168.1.29		Softphone-1	SIP Port	5060
	UDP 🔫	hedule			
оху	Yes 🛛			Enable DTMF INFO	No
D	103			RFC2833 DTMF Type	101
	12345	Interfaces		Enable Logging	No
al)		Interfaces		22 2	-









#### **Gather SIP.txt and PCAP Capture Information From Q-SYS Core** and Consult Q-SYS Technical Support



As outlined in the first steps, the 'Enable Logging' feature was employed to create a log of SIP information to aid in advanced troubleshooting. Having this logging information will speed up resolution when consulting with our Q-SYS Technical Support. To get the SIP log, open an internet browser and type <IP Address of Core>/sip.txt in the internet address field. If the address is valid, the SIP log of the core should load.

Right-click on the loaded page and choose 'save as'. Choose a known file location and name so it can be emailed to support.

A second set of diagnostic information can be gathered by creating a PCAP (wireshark) capture of the interface used for the Softphone. To create this, in the browser go to the address <IP Address of Core>/pcap\_capture.html.

Select the appropriate interface in the 'Select LAN' field. Set the 'Packet length' field to 2048 and hit the 'Start' button. Let the capture run for 5 minutes, and then hit the 'Stop' button. Download the capture file ('Download' button) and send this along with the SIP log to Q-SYS support.





# **INVALID INTERFACE**

LAN connection to which this Softphone is assigned is not plugged in, has no connectivity or is not receiving IP address from DHCP.

We're sorry but the problem you are experiencing is outside the scope of this tool.

issue.

**RETURN TO:** 

MAIN MENU THIS SCENARIO

## **Troubleshooting Steps:**

Please contact Q-SYS Support to troubleshoot this



