

Configuring an IP (SIP) Polycom Soundstation on the Avaya IP Office

Hardware used for this documentation

Polycom Soundstation IP 6000

Avaya IP500V2 – firmware 7.0.23

Set the Polycom with an IP Address

Step 1: Initial setup

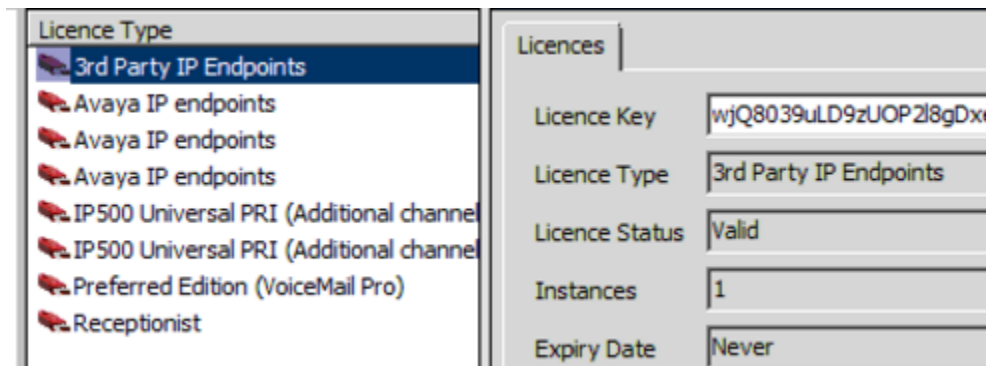
If your Soundstation does not automatically register with a DHCP server, you will have to manually program it. Press the menu button, option 2, option 2, option 1.

Once you have the IP address of the Soundstation, open a web browser and point it to the address configured. In this example, the address is 172.20.29.139. If you can't open the browser to the address, ping the address to make sure you get a response from the correct device.

Configure the IP Office

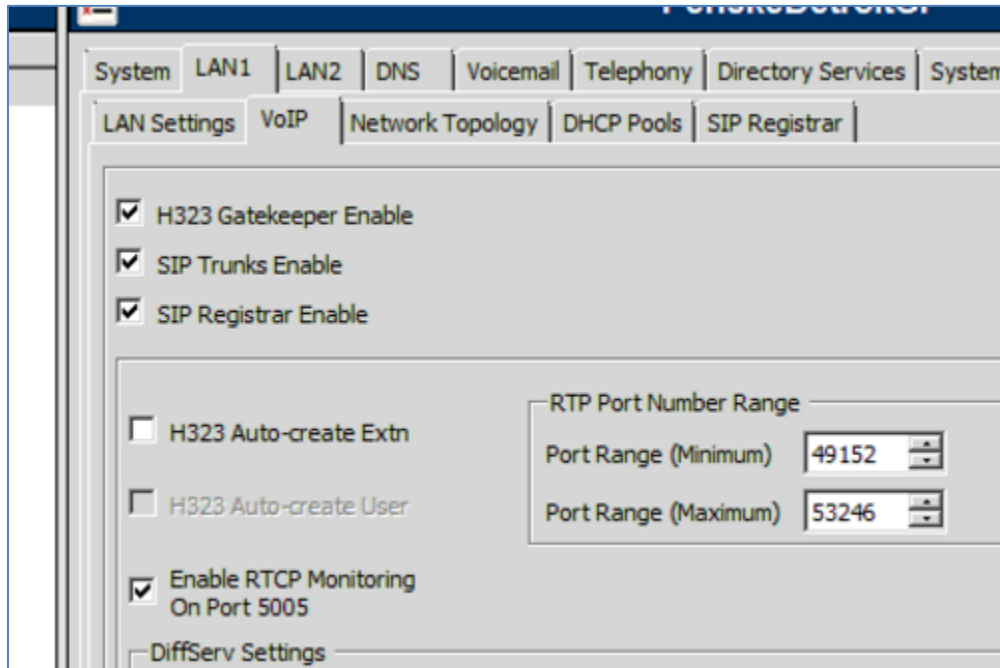
Step 2: Add and verify licenses

Install and verify 3rd party IP endpoint license. Note: standard Avaya IP Endpoints will not work for these (Polycom branded) phones.



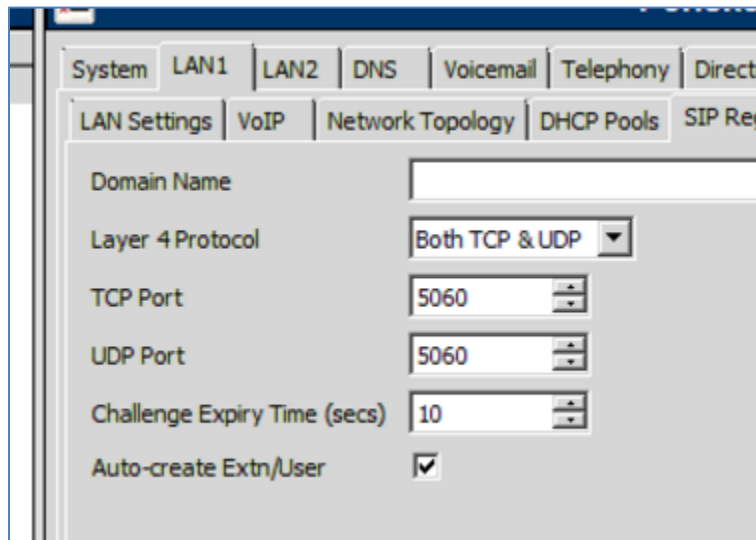
Configuring an IP (SIP) Polycom Soundstation on the Avaya IP Office

Step 3: Configure the settings in the LAN1 tab



Step 4: SIP Registrar settings

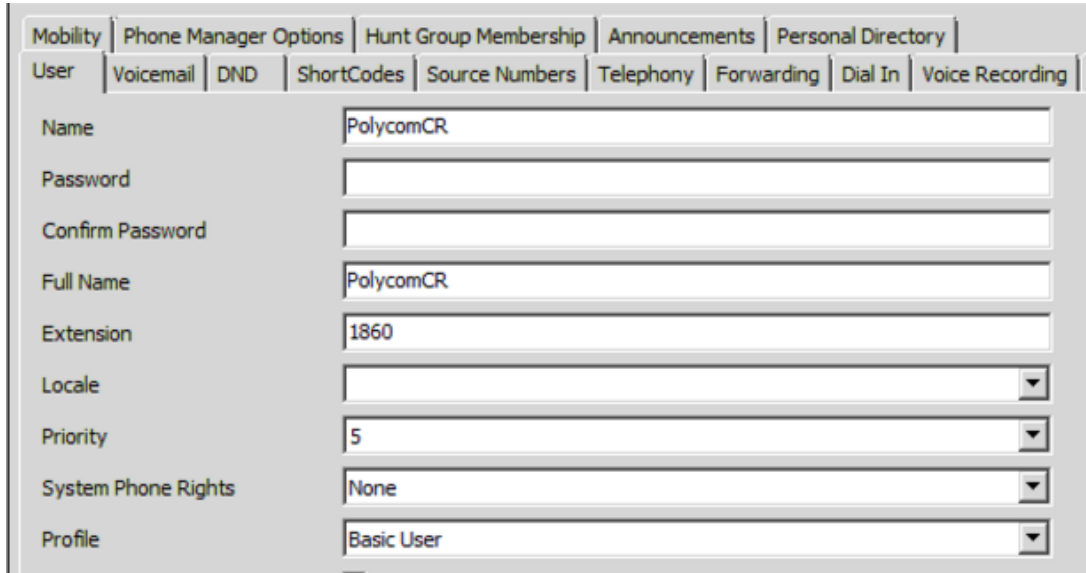
Leave the Domain Name blank. It will register to the IP address of the IP Office.



Configuring an IP (SIP) Polycom Soundstation on the Avaya IP Office

Step 5: Configure the user

The **Name** and **Extension** fields will be used in the web programming interface of the Polycom Soundstation.

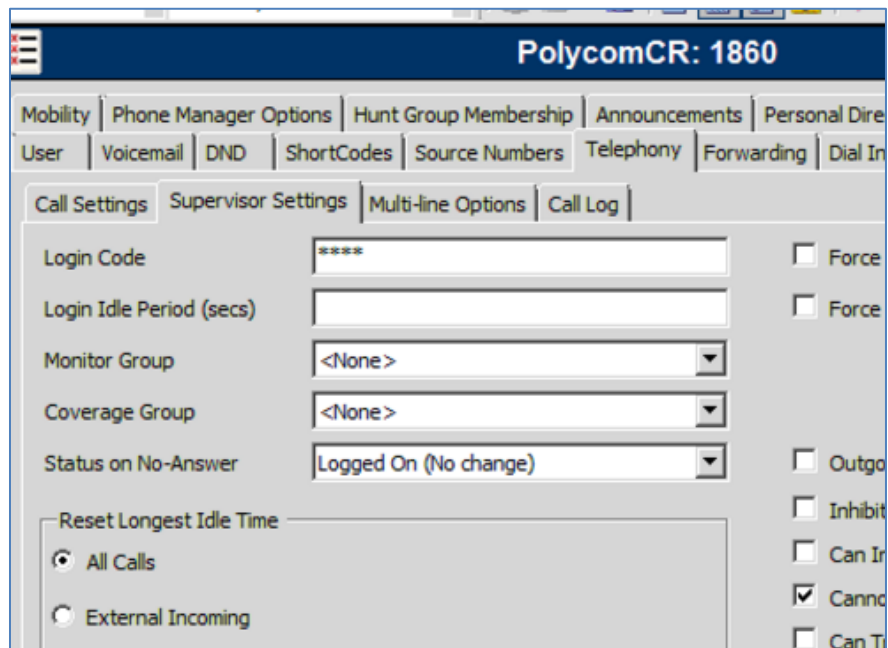


The screenshot shows the 'User' configuration page in the Avaya IP Office web interface. The page has a navigation bar with tabs: Mobility, Phone Manager Options, Hunt Group Membership, Announcements, Personal Directory, User, Voicemail, DND, ShortCodes, Source Numbers, Telephony, Forwarding, Dial In, and Voice Recording. The 'User' tab is selected. The configuration fields are as follows:

Name	PolycomCR
Password	
Confirm Password	
Full Name	PolycomCR
Extension	1860
Locale	
Priority	5
System Phone Rights	None
Profile	Basic User

Step 6: Password

This user must have a password set. Our example uses 1860 as the password. This password is also used in the web configuration section.



The screenshot shows the 'Call Settings' page for the user 'PolycomCR: 1860' in the Avaya IP Office web interface. The page has a navigation bar with tabs: Mobility, Phone Manager Options, Hunt Group Membership, Announcements, Personal Directory, User, Voicemail, DND, ShortCodes, Source Numbers, Telephony, Forwarding, and Dial In. The 'Call Settings' tab is selected. The configuration fields are as follows:

Login Code	****	<input type="checkbox"/> Force
Login Idle Period (secs)		<input type="checkbox"/> Force
Monitor Group	<None>	
Coverage Group	<None>	
Status on No-Answer	Logged On (No change)	<input type="checkbox"/> Outgo
Reset Longest Idle Time		<input type="checkbox"/> Inhibit
<input checked="" type="radio"/> All Calls		<input type="checkbox"/> Can Ir
<input type="radio"/> External Incoming		<input checked="" type="checkbox"/> Canno
		<input type="checkbox"/> Can Tr

Finish the IP Office configuration by saving changes and rebooting if necessary.

Configuring an IP (SIP) Polycom Soundstation on the Avaya IP Office

Configure the Polycom Soundstation through its web interface

Step 7: Log into the Polycom web interface.

The default username | password for the web interface is Polycom | 456.

Step 8: SIP Configuration Parameters page

Copy all of the Server settings as you see below, all others on this page are default.

SIP Configuration Parameters:	
Servers	Local Settings
Servers	
Outbound Proxy	
Address	172.20.29.130
Port	5060
Transport	UDPonly
Server 1	
Address	172.20.29.130
Port	5060
Transport	UDPonly
Expires	
Register	1
Retry Time Out	0
Retry Max Count	0
Line Seize Time Out	30

Configuring an IP (SIP) Polycom Soundstation on the Avaya IP Office

Scroll down to the Local Settings or click the Local Settings link at the top

Configure the settings as shown. The digitmap will be different that the one shown below. Paste the following text - *x.T|#x.T|x.T

Local Settings	
Local SIP Port	<input type="text" value="0"/>
Calls Per Line Key	<input type="text" value="2"/>
New SDP Type	<input type="radio"/> Enabled <input checked="" type="radio"/> Disabled
LCS Support	<input type="radio"/> Enabled <input checked="" type="radio"/> Disabled
Non Standard Line Seize	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled
Digitmap	<input type="text" value="*x.T #x.T x.T"/>
Digitmap Timeout	<input type="text" value="3 3 3 3 3"/>
Remove End-Of-Dial Marker	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled
Digitmap Impossible Match	<input type="text" value="0"/>
top	<input type="button" value="Submit"/>

Configuring an IP (SIP) Polycom Soundstation on the Avaya IP Office

Step 9: Configure Line

Part one of Line configuration – identification. Display name and Address should be the extension of the speakerphone. Make sure you use the user name in the Auth User ID field from Step 5. Auth Password is from Step 6.

The screenshot shows the Polycom SoundStation IP Configuration web interface. The top navigation bar includes the Polycom logo and the title 'SoundStation IP Configuration'. Below the navigation bar, the 'Line' tab is selected. The main content area displays 'Line Parameters:' for 'Line 1'. A table below this table lists the configuration details for 'Line 1' under the 'Identification' section.

Line 1	
Identification	
Display Name	1860
Address	1860
Auth User ID	PolycomCR
Auth Password	
Label	1860
Type	<input checked="" type="radio"/> Private <input type="radio"/> Shared
Third Party Name	
Num Line Keys	1
Calls Per Line	24

Configuring an IP (SIP) Polycom Soundstation on the Avaya IP Office

Part 2

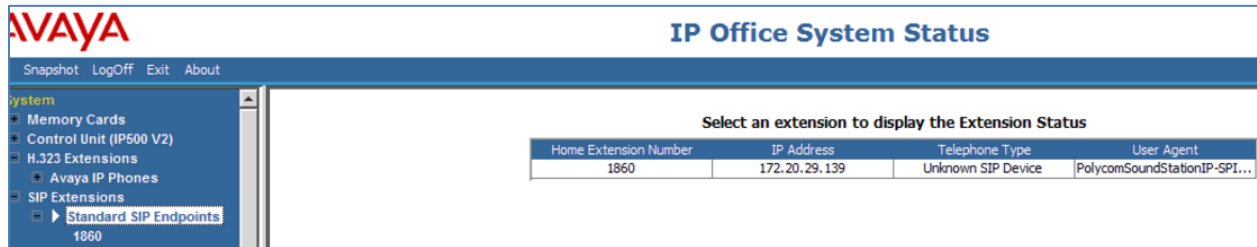
Server 1	
Address	172.20.29.130
Port	5060
Transport	UDPonly
Expires	3600
Register	1
Retry Time Out	0
Retry Max Count	3
Line Seize Time Out	30

Part 3

Call Diversion	
Disabled On Shared	<input checked="" type="radio"/> Yes <input type="radio"/> No
Diversion Contact	
On Specific Caller	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled
Forward All	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled
On Busy	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled
Busy Contact	
On No Answer	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled
No Answer Timeout	60
No Answer Contact	
On Do-Not-Disturb	<input type="radio"/> Enabled <input checked="" type="radio"/> Disabled
Do-Not-Disturb Contact	
Message Center	
Subscriber	
Callback Mode	Contact
Callback Contact	*17
top	Submit

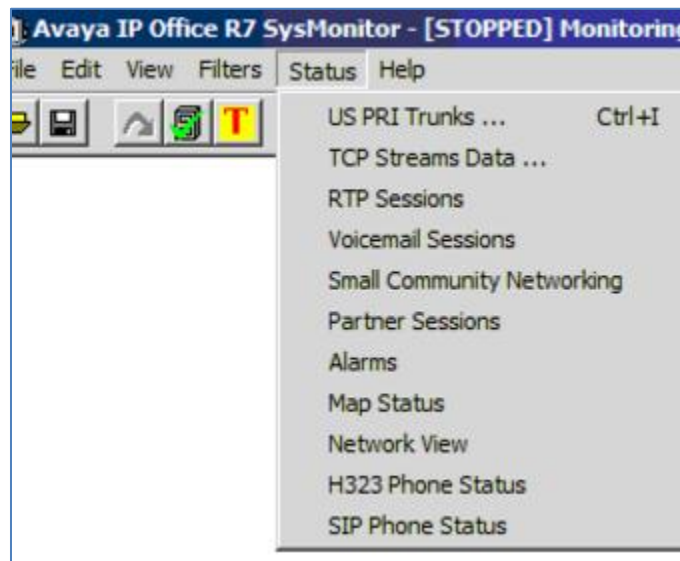
Configuring an IP (SIP) Polycom Soundstation on the Avaya IP Office

Step 10: Finishing up – confirming registration and testing

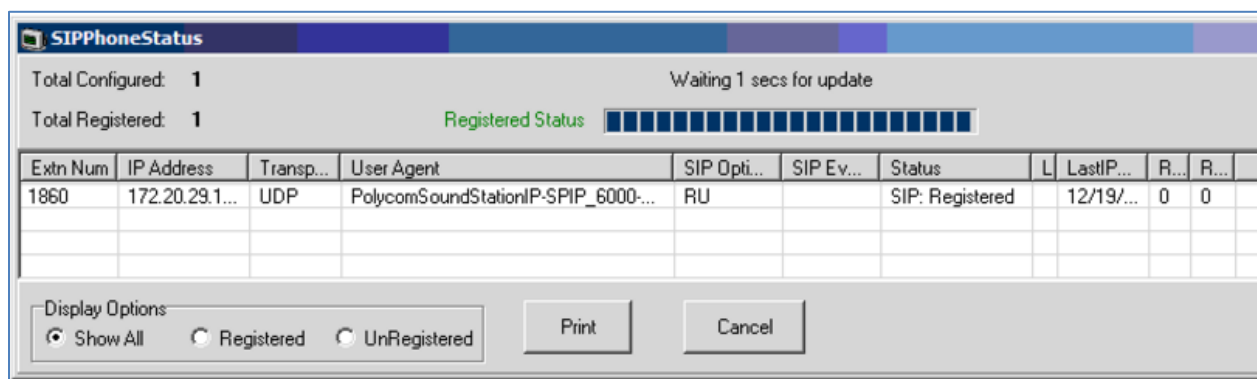


Home Extension Number	IP Address	Telephone Type	User Agent
1860	172.20.29.139	Unknown SIP Device	PolycomSoundStationIP-SPI...

Open System Status and expand SIP Extensions. You can also check Monitor and open SIP Phone Status at the bottom of the Status drop down.



- US PRI Trunks ... Ctrl+I
- TCP Streams Data ...
- RTP Sessions
- Voicemail Sessions
- Small Community Networking
- Partner Sessions
- Alarms
- Map Status
- Network View
- H323 Phone Status
- SIP Phone Status



Total Configured: 1 Waiting 1 secs for update

Total Registered: 1 Registered Status: ██████████

Extn Num	IP Address	Transp...	User Agent	SIP Opti...	SIP Ev...	Status	L	LastIP...	R...	R...
1860	172.20.29.1...	UDP	PolycomSoundStationIP-SPIP_6000...	RU		SIP: Registered		12/19/...	0	0

Display Options: Show All Registered UnRegistered

This is a very handy way of checking if your phone is properly registered with the system.

Configuring an IP (SIP) Polycom Soundstation on the Avaya IP Office

Caveats

This tutorial is intended for educational and training purposes only. If you use any configuration tools to change a live system, you assume all responsibility for the results. This documentation was created in a test environment and may not reflect your configuration.