Spectrum Enterprise SIP Trunking Service
Epygi QX50/200/2000/M8L R6.1.2
IP PBX Configuration Guide

About Spectrum Enterprise:

Spectrum Enterprise is a division of Charter Communications following a merger with Time Warner Cable and acquisition of Bright House Networks. Spectrum Enterprise is a national provider of scalable, fiber technology solutions. The Spectrum Enterprise portfolio includes networking and managed services solutions, including Internet access, Ethernet and Managed Network Services, Voice, TV and Cloud solutions. Our industry-leading team of experts works closely with clients to achieve greater business success.

About this document:

Spectrum Enterprise assures IP PBX compatibility by conducting interoperability testing to ensure any potential compatibility issues have been resolved prior to installation. Please review the IP PBX configuration instructions in this guide prior to your installation date.

Be advised that this document may contain references to Charter or Charter Business. All references to Charter should be read as Spectrum Enterprise.

Thank you,

Spectrum Enterprise

Epygi QX50/200/2000/M8L R6.1.2 IP PBX Configuration Guide

1 Introduction

This document describes how to configure the Epygi QX50/200/2000 and M8L IP PBX to inter-operate with the Charter network. It does not provide any information for provisioning, configuring or using the features of the AsteriskNow . Please refer to the documentation provided with the IP PBX or contact the vendor.

2 Configuration

2.1 SIP Trunk Setup

To setup the SIP trunk, follow the step-by-step procedure.

Step	Action	Result
1	Navigate to **Telephony**	
2	Click the **VoIP Carrier** tab	VOIP Carrier Wizard opens
3	Under Select VOIP Carrier at VOIP Carrier: Select **Manual**	
4	Description: Enter **Charter**	
5	Click **Next** Button	VOIP Carrier Settings open
6	Go to the next table	

VOIP Wizard-VOIP Carrier
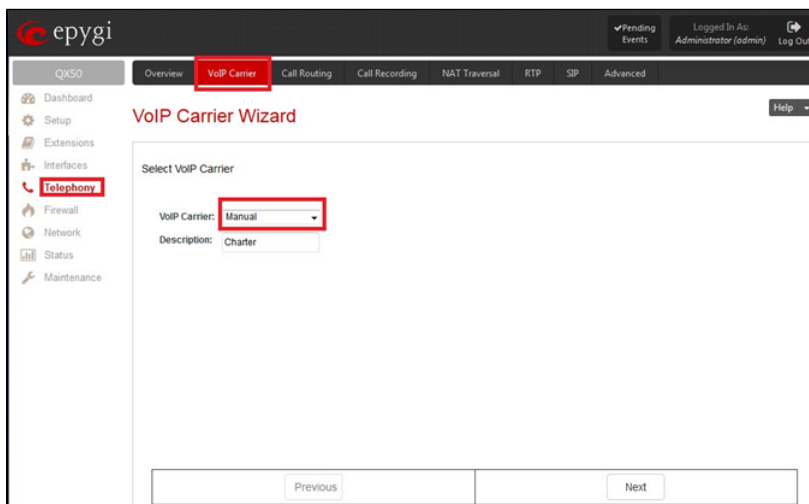
Step	Action	Result
7	Under VOIP Carrier Settings Account Name: Enter the **Trunk DID number**	
8	SIP Server: Enter the **SBC LAN IP**	
9	SIP Server Port: Enter **5060**	
10	Go to the next table	

VOIP Wizard-VOIP Carrier Settings
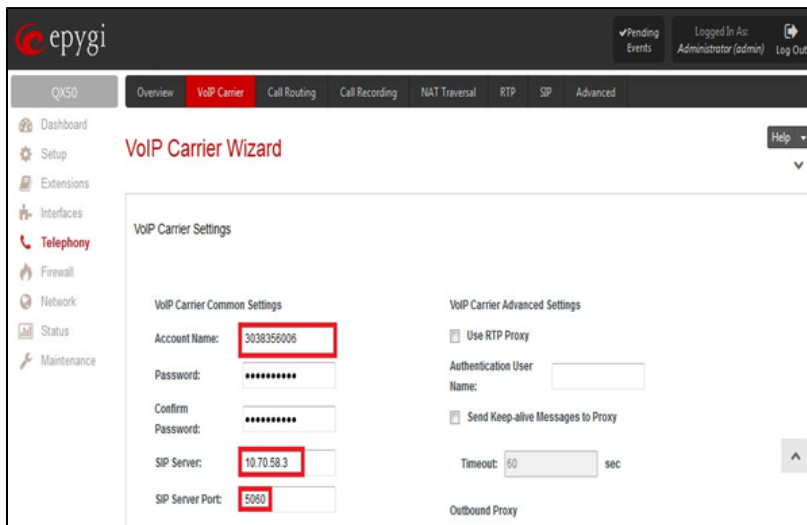
Step	Action	Result
11	Under Outbound Proxy Host Address: Enter the **SBC LAN IP**	
12	Port: Enter **5060**	
13	Click **Next** button	VOIP Carrier Access Code opens
14	Go to the next table	

VOIP Wizard-Outbound Proxy Settings

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Step	Action	Result
15	Under VOIP Carrier Wizard Access Code: Click **By pattern:**	
16	Enter **9***	
17	Click **Next** button	VOIP Carrier Summary opens
18	Go to the next table	

VOIP Wizard-VOIP Carrier Access Code

Step	Action	Result
19	At the VOIP Carrier Summary Verify the details of the summary	

20	If the summary details is correct Click the **Finish** button Then go to Step 22.	
21	If the summary details are not correct Click the **Previous** button to return to the form,	
22	Procedure completed	

VOIP Wizard-VOIP Carrier Summary
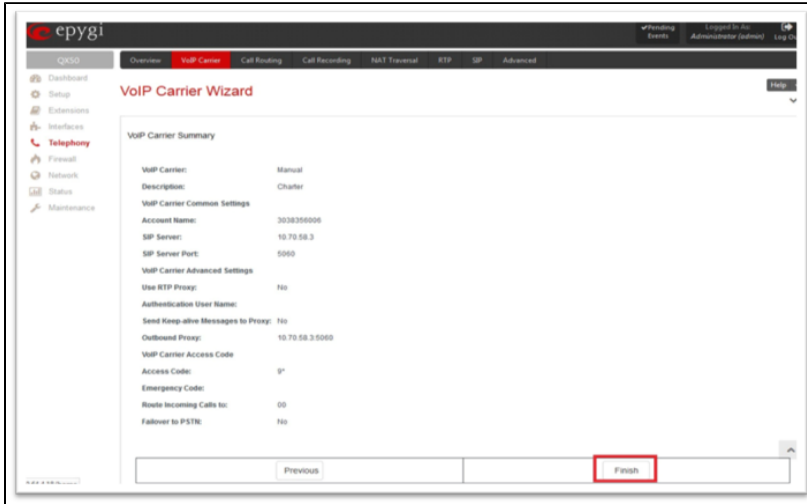
2.2 Extension Setup

To setup the extension, follow the step-by-step procedure.

Step	Action	Result
1	Navigate to **Interfaces**	
2	Click the **IP Lines** tab	IP Lines opens
3	Click **New IP Line**	The new IP Line selected opens IP Line 7 is an example.
4	Go to the next table	

Extension Setup-New IP Line

Step	Action	Result
5	In IP Line Settings Click SIP Phone	
6	Phone Model: Select the **phone model**	Polycom SoundPoint IP 335 is an example
7	MAC Address: Enter the **MAC address of the IP Phone**	
8	Transport: Select **UPD**	
9	Click **Save** button	
10	Go to the next table	

Extension Setup

Step	Action	Result

11	Navigate to **Extensions**	
12	Click the **Extensions** tab	
13	Click the box next to the number to edit Click the **Edit** tab	Extensions Management-Edit Entry screen opens
14	Make changes required	
15	Procedure completed	

Extension Management
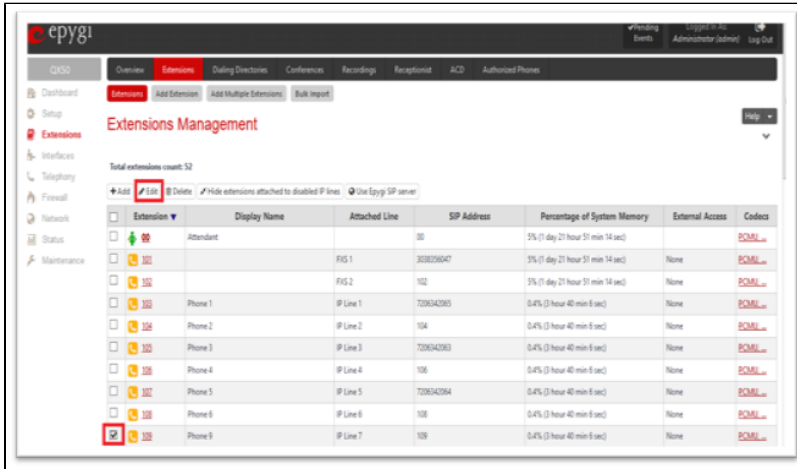
Extension Management-Edit Entry
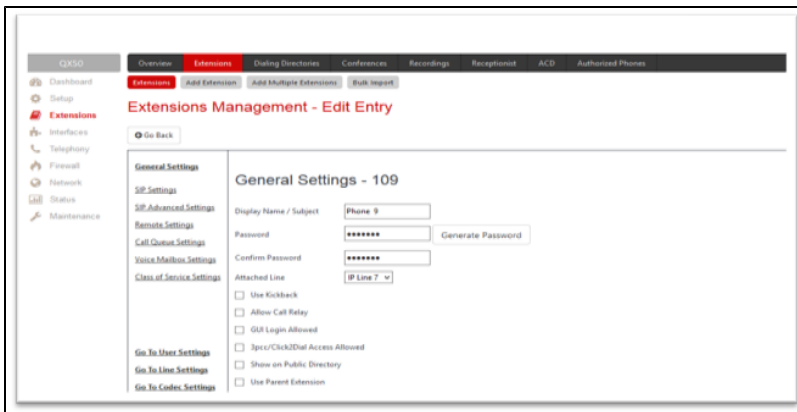
2.3 Call Routing Setup

To setup the call routing, follow the step-by-step procedure.

Step	Action	Result
1	Navigate to **Telephony**	
2	Click the **Call Routing** tab tab	Call Routing Wizards opens

3	Under Routing Call Type-Edit Entry Destination Number Pattern: Enter **9***	
4	Description: Enter **Charter**	
5	Check **Filter on Source /Modify Caller ID:**	
6	Click the **Next** button	Routing Call Setting-Edit Entry opens
7	Go to the next table	

Call Routing Wizard-Routing Call Type
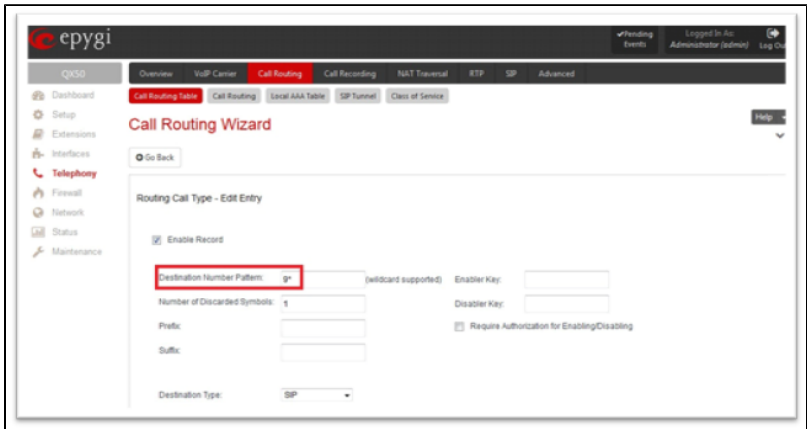

Call Routing Wizard-Routing Call Type

Step	Action	Result
8	In Routing Call Settings-Edit Entry Desination Host: Enter the **SBC LAN IP address**	
9	Under SIP Privacy Click **Default Privacy**	

10	Under Transport Protocol for SIP Click **UDP**	
11	Click the **Next** button	Source Filter/ Modify Caller ID-Edit Entry opens
12	Go to the next table	

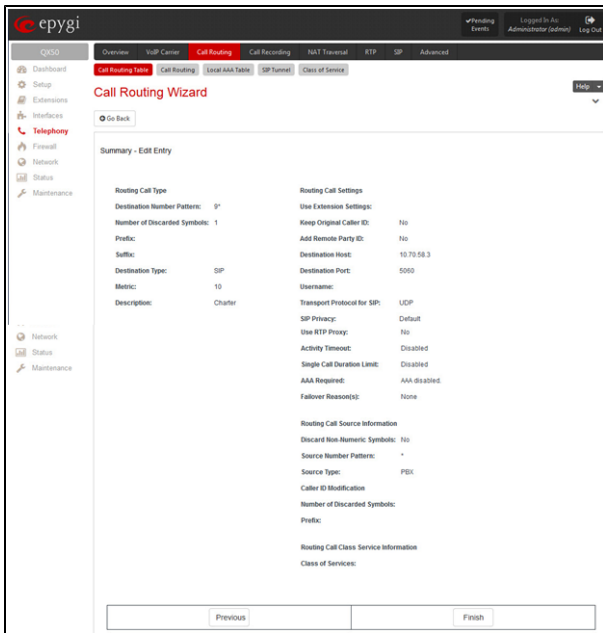**Call Routing Wizard-Routing Call Settings**
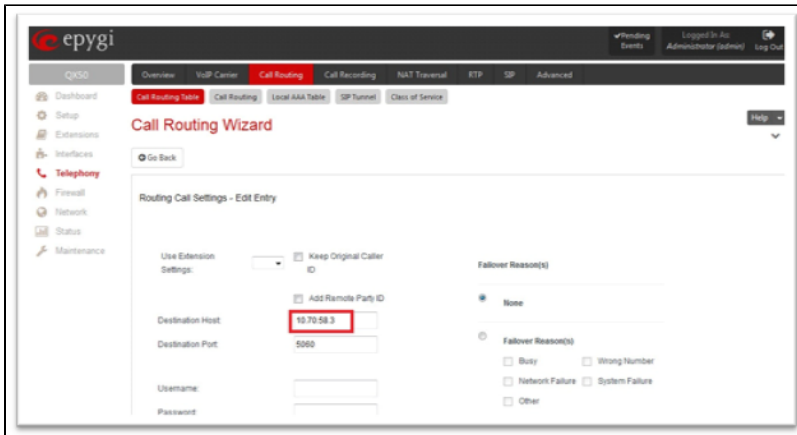
Call Routing Wizard-Routing Call Settings
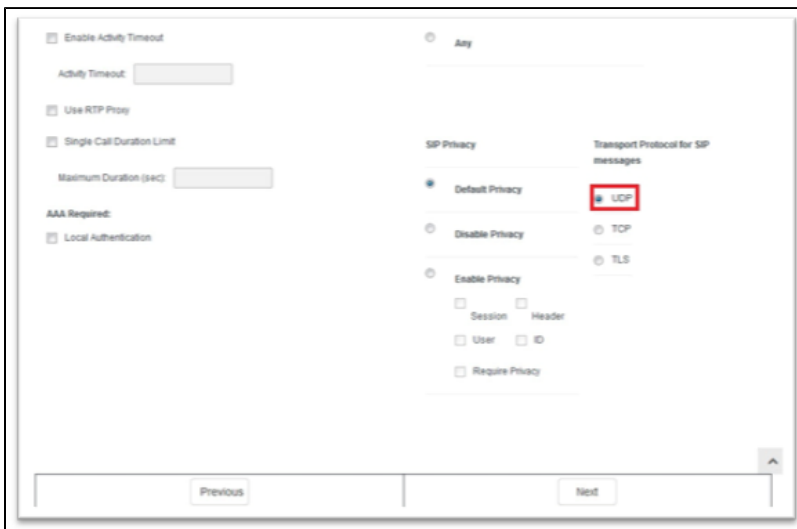
Step	Action	Result
13	In Source Filter/ Modify Caller ID-Edit Entry For Source Number Pattern Enter *	
14	Source Type: Select **PBX**	
15	Click the **Next** button	Summary- Edit Entry opens
16	Go to the next table	

Source Filter/ Modify Caller ID-Edit Entry

Step	Action	Result
17	In Summary- Edit Entry Verify details	
18	If the details are correct Go to Step 19 If not click, the **Previous** button to correct	
19	Click the **Next** button	Call Routing table opens
20	Go o the next table	

Step	Action	Result
21	At the Call Routing Table Click the **+Add** tab	The call route entry will appear in the table
22	Procedure completed	

Call Routing Table

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