# Configuring a Primus VoIP Account on a Quadro IP PBX

To configure your Primus account, select VoIP Carrier Wizard from the Telephony menu.
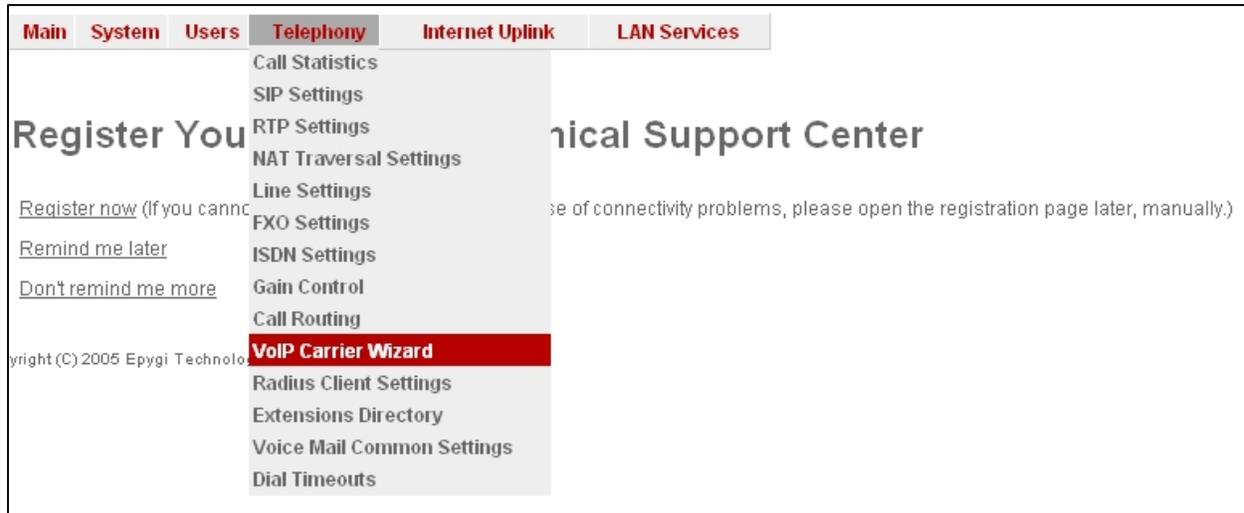
Select Manual from the drop down box and give the account a description.
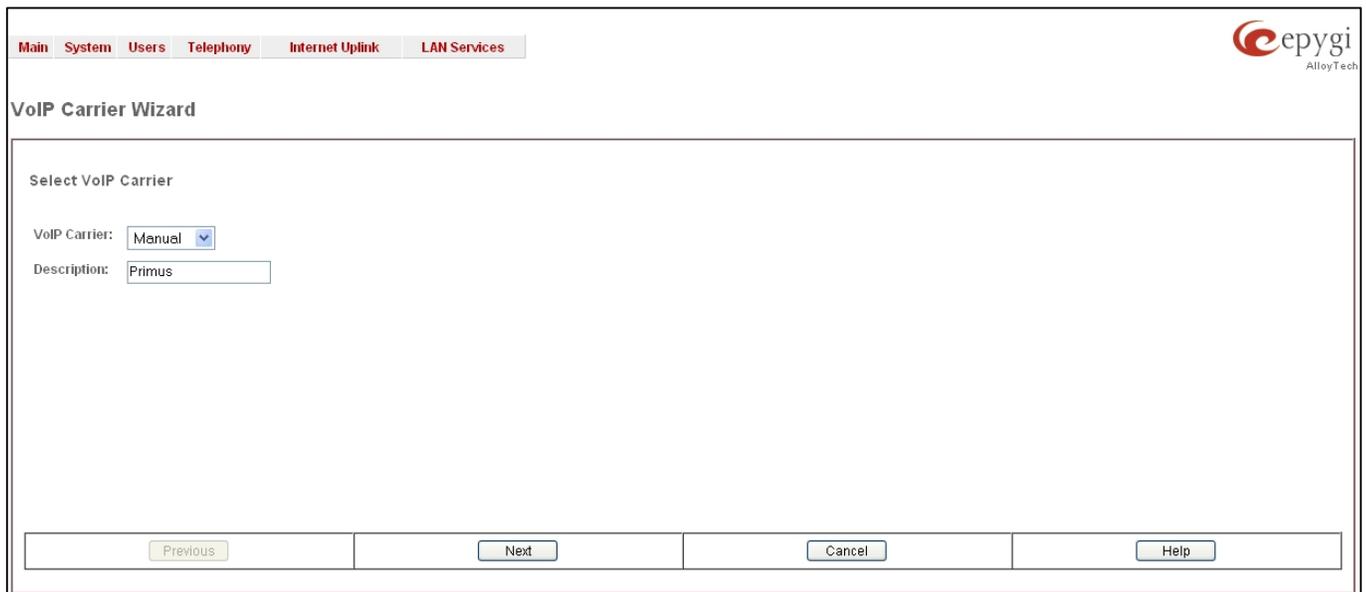
Enter the Account Name and Password supplied by Primus. In this example the account name is also the phone number provided by Primus. Enter the address of the SIP Server. The SIP Server Port is 5060 unless otherwise instructed. Set the Outbound Proxy and Port supplied by Primus.

Specify an Access Code. This will be used to direct outbound calls through the Primus account. In the example shown, Dialling 0<*phone number*> will send the call through this account.

***If no Access Code is selected, careful consideration must be given to the Call Routing Table configuration to ensure correct call routing.

Select an extension to route your incoming Primus VoIP calls to. Calls made your Primus number will go to the extension you select here. 00 is for the Quadro's default Auto Attendant. You can also select Failover to PSTN. If this is selected, calls that would normally be made through this account will automatically be re-routed via the PSTN if there is a network fault and no connection to Primus can be established.

VoIP Carrier Wizard

VoIP Carrier Summary

VoIP Carrier:	Manual
Description:	Primus

VoIP Carrier Common Settings

Account Name:	0380123400
SIP Server:	sip.primus.net.au
SIP Server Port:	5060

VoIP Carrier Advanced Settings

Use RTP Proxy:	No
Authentication User Name:	
Send Keep-alive Messages to Proxy:	No
Outbound Proxy:	voip1.sip.primus.net.au:5060

VoIP Carrier Access Code

Access Code:	0
Route Incoming Calls to:	00
Failover to PSTN:	Yes

[Previous]   [Finish]

Review your settings and click Finish to create the account.

The account has now been created and is entered in the Local Call Routing Table (ID 5). If Failover to PSTN was selected, there will be a second entry underneath (ID 6). This second entry will be used to send the call out an FXO port to a PSTN phone line in the case of Primus being unreachable.

In the UES (Use Extension Settings) column, there is the value 93. The VoIP Carrier Wizard has created a virtual extension (93) to register the account on Primus's SIP Server.

Call Routing Table

[Show Detailed View >>>]

Enable Disable Add Edit Duplicate Delete Select all Inverse Selection Move Up Move Down Move To

	ID	State	Pattern	Pattern Modification	Call Settings	Fail Reason	Local Authentication	Inbound Pattern/ Modification	Inbound Settings	DT	UES / URP	Metric	Description
	1	Enabled	000		FXO port: Any Port	None	No	^	PBX			10	Emergency Call
	2	Enabled	9?*	NDS: 1	FXO port: Any Port	Any	No	*	PBX			10	Make PSTN Call
☐	3	Enabled	8*	NDS: 1	SIP sip.epygi.com	None	No				URP: No	10	Epygi SIP Server
☐	4	Enabled	[0-7]?		PBX	None	No					10	Call to Extensions
☐	5	Enabled	0*	NDS: 1	IP-PSTN sip.primus.net.au:5060, ML : Yes	Any	No	*	PBX		UES: 93 URP: No	10	Primus
☐	6	Enabled	0*	NDS: 1	FXO port: Any Port	None	No	*	PBX			10	Primus Failover

To check the Registration status of your Primus Account, Select Status from the System menu and then click on SIP Registration Status. In the picture you can see that the Primus account is using extension 93 to register the account to Primus's SIP Server, and that the registration was successful. Now calls can be made and received via this Primus account. The other registrations here are the extensions of the Quadro registering to Epygi's public SIP Server. All of these extensions can make and receive calls via the Primus account by prefixing the destination phone number with the Access Code entered in the VoIP Carrier Wizard (as described above).

Main   System   Users   Telephony   Internet Uplink   LAN Services

Quadro Status - SIP Registration Status

General Information

Network Status

Lines Status

Memory Status

Hardware Status

SIP Registration Status

Registration on SIP Servers

Extension	Reg. Name	Server	Registered	Registration Time
93	0380123456	sip.primus.net.au	Yes	
00	77080700	sip.epygi.com	Yes	14-Feb-2007 11:07:59
34	77080734	sip.epygi.com	Yes	14-Feb-2007 11:07:59
32	77080732	sip.epygi.com	Yes	14-Feb-2007 11:07:59
31	77080731	sip.epygi.com	Yes	14-Feb-2007 11:07:59
14	77080714	sip.epygi.com	Yes	14-Feb-2007 11:07:59
13	77080713	sip.epygi.com	Yes	14-Feb-2007 11:07:59
12	77080712	sip.epygi.com	Yes	14-Feb-2007 11:07:59
11	77080711	sip.epygi.com	Yes	14-Feb-2007 11:07:59

Specific Settings when using a range of Primus In-dial Phone Numbers

If your Primus account has a range of direct in-dial (DID) phone numbers, further configuration will be needed to allow extensions to have their own DID and display their DID as their Caller ID. The extensions that will have their own DID will need to be edited. In the following example, extension 31 will be configured with a Primus In-dial phone number (0380123401).

Main   System   Users   Telephony   Internet Uplink   LAN Services

Extensions Management - Edit Entry

General Settings

SIP Settings

SIP Advanced Settings

Remote Settings

Call Queue Settings

Voice Mailbox Settings

Licensing

SIP Registration Settings - 31

User Name   0380123401

Password   *******

Confirm Password   *******

SIP Server   sip.primus.com.au

SIP Port   5060

☑ Registration on SIP Server

[Save]   [Back]

Go to Users > Extensions Management and tick the box of the extension to be modified and click edit.

Click on the SIP Settings link.

Enter the DID as the Username and password as provided by Primus, along with the SIP Server and SIP Port and make sure that 'Registration on SIP Server' is enabled.

Save the settings.

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Next Click on the SIP Advanced Settings link.

In the Authentication User Name field, enter the account username.

Set the Outbound Proxy and Port.

Save the settings.

Once all required extensions have been edited, check the SIP registration Status again to see if they are now registered to the Primus SIP Server. If they are then configuration is correct and DID's should be functional.