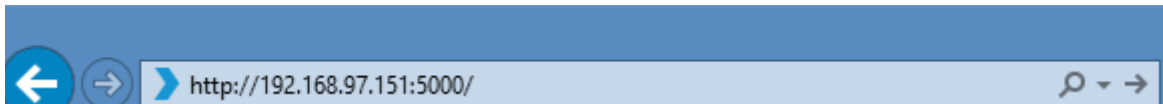


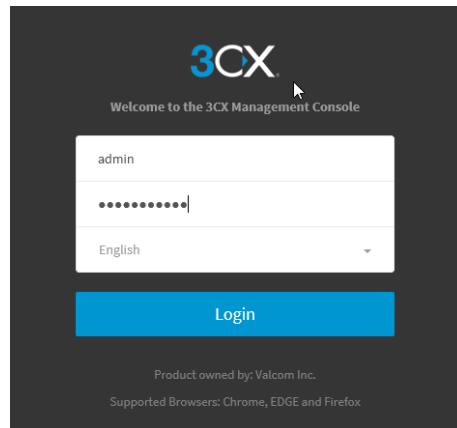
Valcom Session Initiation Protocol (SIP) VIP devices are compatible with 3CX SIP Phone Systems. The Valcom device is added to the 3CX as a standard SIP extension (generic SIP phone).

The following steps outline the typical configuration process:

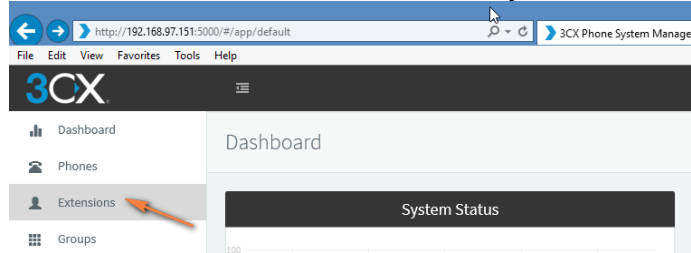
1. Navigate your web browser to the IP address of your 3CX SIP Server.  
*In this example the 3CX Phone System IP address is: 192.168.97.151  
The 3CX SIP Server web access port number is "5000", by default.*



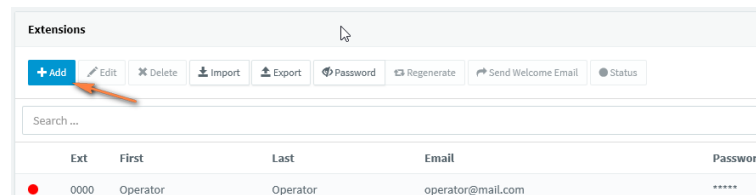
2. Login, using the proper credentials.  
*In this example we use a default of "admin" for the username and "admin" for the password.*



3. From the Dashboard screen select **Extensions** from the sidebar in your web browser window.



4. Select **+Add** from the Extensions window in the browser.



Enter the appropriate values in each field on the General tab.  
*In this example, our user and extension will be "9993" and this user's password will be "password".*

Required Fields: Extension Number, ID, & Password  
*Optional fields are used to make administration tasks easier, but are not required. They are, however, recommended.*

On the Voicemail tab uncheck  Enable Voice mail+

General Voicemail Forwarding Rules Phone Provisioning BLF Options

Enable Voice mail

Voice mail Language  
Standard English Prompts Set

When complete, select the  Options+ tab.

General Voicemail Forwarding Rules Phone Provisioning BLF Options

**User Information**

Extension  
9993

First Name  
First Name

Last Name  
Last Name

Email Address  
Email Address

Mobile Number  
Mobile Number

Outbound Caller ID  
Outbound Caller ID

**Authentication**

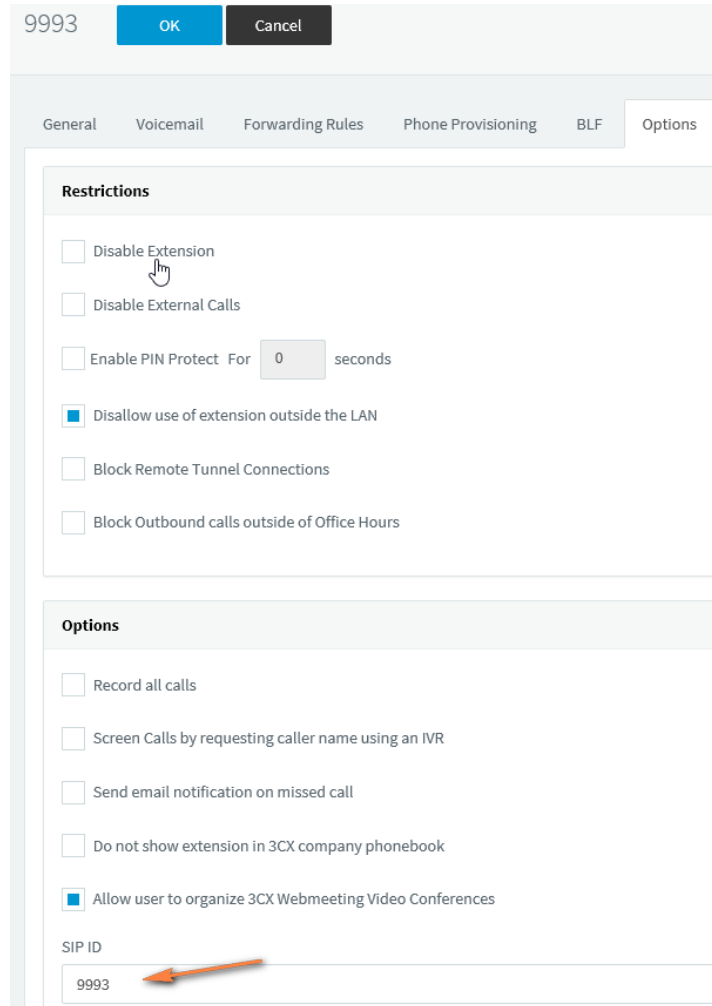
Authentication details used by phones & client. Reprovision after a change

ID  
9993

Password  
password

5. Change the SIP ID field to the SIP extension given to the Valcom SIP enabled VIP device.  
*In this example, we will fill in "9993" for the SIP ID, the same as our "Extension Number" field on the "General" tab.*

Select **OK**, at the top of the page, to apply and activate this configuration.



9993 **OK** Cancel

General Voicemail Forwarding Rules Phone Provisioning BLF **Options**

**Restrictions**

- Disable Extension
- Disable External Calls
- Enable PIN Protect For  seconds
- Disallow use of extension outside the LAN
- Block Remote Tunnel Connections
- Block Outbound calls outside of Office Hours

**Options**

- Record all calls
- Screen Calls by requesting caller name using an IVR
- Send email notification on missed call
- Do not show extension in 3CX company phonebook
- Allow user to organize 3CX Webmeeting Video Conferences

SIP ID

9993

6. After selecting **OK** you will be returned to the **Extensions** screen.

7. Open the VIP-102B tool interface for the Valcom SIP enabled VIP device.

*Note: The information contained in this guide is limited to configuration of the "SIP" tab in the VIP-102B IP Solutions Setup Tool for the Valcom VIP device that is to be registered to the SIP server. More information on Valcom VIP device configuration, such as IP address assignment, relay activation, etc, may be found in the VIP-102B Reference Manual. This document may be downloaded from our website at <http://www.valcom.com>*

Required Fields: Phone Number, Secret, SIP Server, Register, SIP Server Port, SIP Port, RTP Port, Auto Destination

Optional Fields: Authentication Name, CID Name, CID Number

*In our example, the SIP Server IP address is the same as our 3CX SIP PBX, "192.168.97.151".*

*Phone Number is the same as our Extension Number in the 3CX configuration, "9993".*

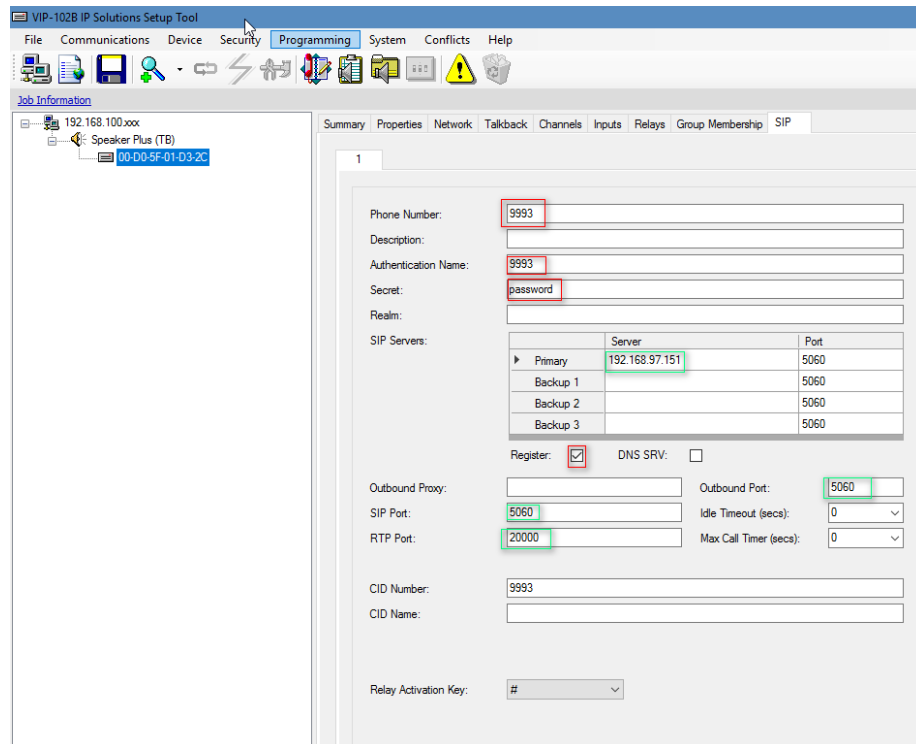
*Secret is the same as our Password in the 3CX configuration, "password".*

*SIP Server Port is the port number, on which the 3CX SIP server is listening for SIP data, as seen in the "Extension Created" dialog.*

*SIP Port is the port number, on which the Valcom VIP device is listening for SIP data. By default this is set for "5060".*

*RTP Port is the port number, on which the Valcom VIP device is set to send/receive audio packets, via SIP. By default this is set for "20000".*

When the Valcom VIP device configuration is complete, select the **Update Changed Devices** button, at the upper left.



- After updating your VIP device, you will be prompted to reset your device. Select **Yes**.
- Back to our 3CX web interface, select **Extensions** from the sidebar.
- After getting the VIP device assigned the proper information, updated and reset, you will be able to view the registration status of the device.  
Successful registrations are listed with a green dot in the left column, next to **Ext**.

Below is a successful SIP registration:

Ext	First	Last	Email	Password
● 0000				*****
● 1111				*****
● 1234				*****
● 7160				*****
● 9180				*****
● 9993				*****