

Using CounterPath X-Lite with Virtual PBX - Mac

Installing X-Lite

- The download file is a disk image; therefore most browsers should mount it automatically. However, if this is not the case, locate the .dmg file. On newer Macs it will be found in the Downloads folder, and double-click on it.
- Read the license agreement and click "Agree" to proceed. Note that you must agree to the terms of the license agreement to install X-Lite for Macintosh.
- Simply drag the application icon into the Applications to install X-Lite. If you do not have permission to install to the Applications folder you may be prompted for your system password, or you may choose to install X-Lite in your home folder instead.

Running X-Lite

- Open the folder where you installed X-Lite, usually in /Applications.
- Double-click the X-Lite application icon.

X-Lite Audio

Since X-Lite is a software telephone application, you will require both speaker and microphone devices to make calls. Any of the following configurations are acceptable:

- External speakers and microphone (requires a full-duplex sound adapter)
- Dual-jack multimedia headset (requires a full-duplex sound adapter)
- Built in microphone and speakers (requires a full-duplex sound adapter)
- USB multimedia headset
- USB phone

X-Lite Overview

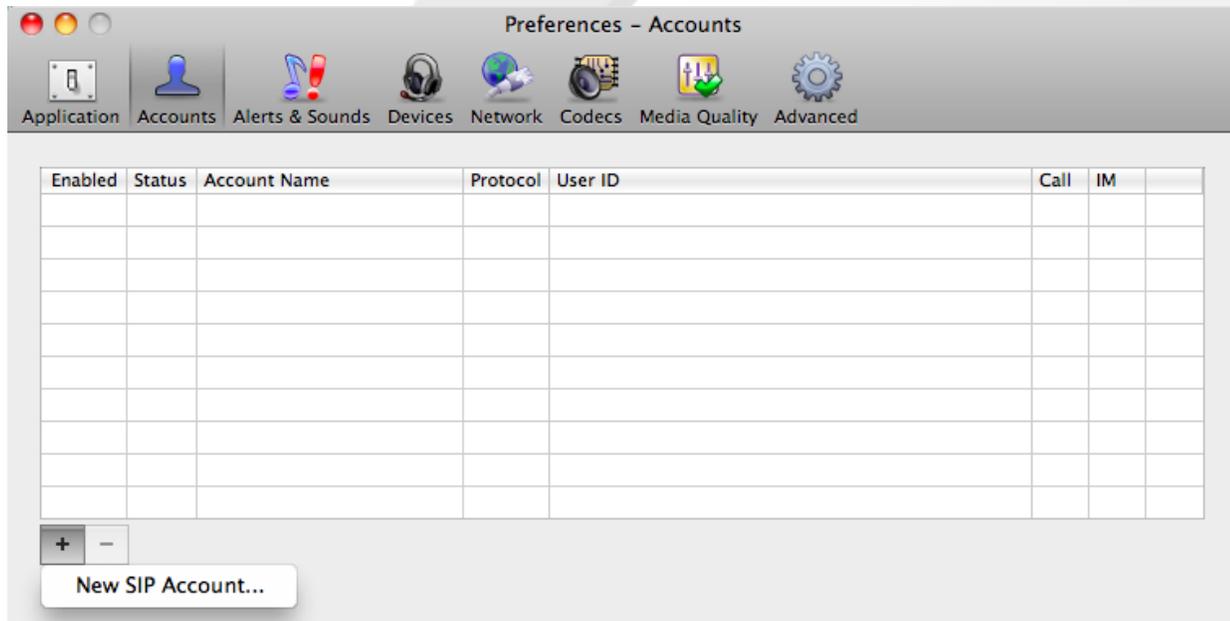
The X-Lite dial pad, along with its various controls and indicators, is shown below.



Configuring X-Lite

In order to use the Virtual PBX service with X-Lite you have to configure it using the following steps.

Start X-Lite. If this is the first time you have used X-Lite then the **Sip Accounts** screen will appear. Otherwise, click on the **Menu** button and choose **New SIP Account** shown below.



In the General tab:

1. Disable **IM/Presence**.
2. Enter your VoIP Phone Username in the **User ID**, **Display name** and **Authorization name** fields.
3. Enter **virtualpbx.net** in the **Domain** field.
4. Enter your VoIP Phone password in the **Password** field.
5. Enable **Register with domain and receive calls**.
6. Enable **Send outbound via** to use **Domain**.

The screenshot shows the 'Account' configuration dialog box with the 'General' tab selected. The 'Account name' is 'Virtual PBX' and the 'Protocol' is 'SIP'. Under 'Use for', 'Call' is checked and 'IM/Presence' is unchecked. The 'User Details' section contains: '* User ID' (4086278091), '* Domain' (virtualpbx.net), 'Password' (masked with dots), 'Display name' (4086278091), and 'Authorization name' (4086278091). The 'Domain Proxy' section has 'Register with domain and receive calls' checked, and 'Send outbound via' set to 'Domain'. The 'Dial plan' is '#1\a\a.T;match=1;prestrip=2;'. 'Cancel' and 'OK' buttons are at the bottom.

In the Voicemail tab:

1. Disable **Check for voicemail**.

The screenshot shows the 'Account' configuration dialog box with the 'Voicemail' tab selected. The 'Check for voicemail' checkbox is unchecked. The 'Number to dial for checking voicemail' field is empty. The 'Number for sending calls to voicemail' field is empty. The 'Send calls to voicemail if unanswered for' field is set to '0' seconds. 'Cancel' and 'OK' buttons are at the bottom.

In the Topology tab:

1. Disable **IM/Presence**.
2. Enable **Range of ports used on local computer** and set the values to **10000-25000**.

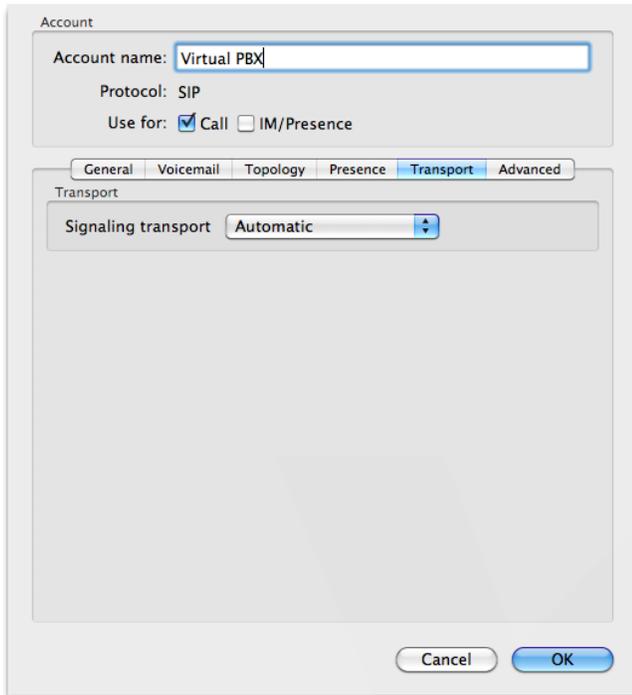
The screenshot shows the 'Account' configuration window with the 'Topology' tab selected. The 'Account name' is 'Virtual PBX' and the 'Protocol' is 'SIP'. The 'Use for' options are 'Call' (checked) and 'IM/Presence' (unchecked). Under 'Firewall Traversal', the 'Auto-detect (ICE, recommended)' radio button is selected. Below this, there are fields for 'Server address', 'User name', and 'Password'. At the bottom, the 'Range of ports used on local computer' checkbox is checked, with the range '10000 - 25000' entered in the adjacent text boxes. 'Cancel' and 'OK' buttons are at the bottom right.

In the Presence tab, no changes are needed.

The screenshot shows the 'Account' configuration window with the 'Presence' tab selected. The 'Account name' is 'Virtual PBX' and the 'Protocol' is 'SIP'. The 'Use for' options are 'Call' (checked) and 'IM/Presence' (unchecked). Under 'Presence', the 'Mode' is set to 'Peer-to-peer' via a dropdown menu. The 'Poll time' is set to '300 seconds' and the 'Refresh interval' is set to '3600 seconds'. 'Cancel' and 'OK' buttons are at the bottom right.

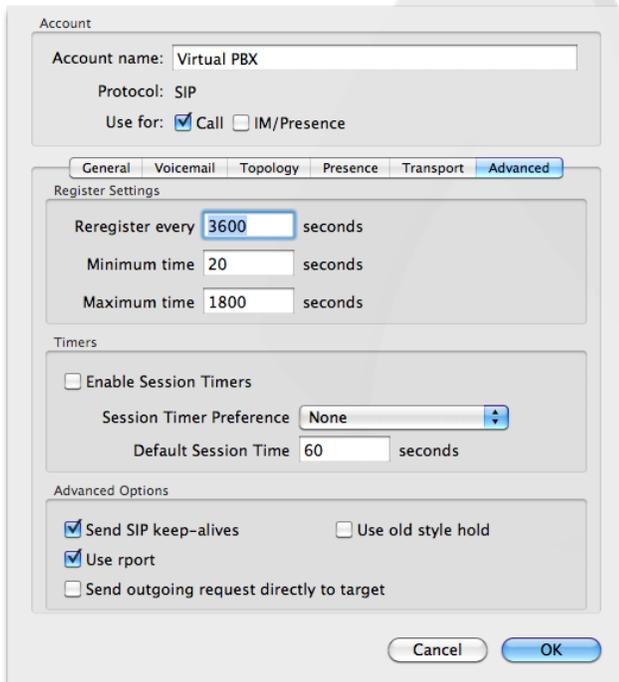
In the Transport tab:

1. Verify that **Signaling transport** is set to **Automatic**.



Account configuration dialog, Transport tab. The Account name is "Virtual PBX". The Protocol is SIP. The Use for checkbox is checked for Call and unchecked for IM/Presence. The Transport tab is selected, and the Signaling transport dropdown is set to Automatic. The dialog has Cancel and OK buttons at the bottom.

In the Advanced tab, no changes are needed



Account configuration dialog, Advanced tab. The Account name is "Virtual PBX". The Protocol is SIP. The Use for checkbox is checked for Call and unchecked for IM/Presence. The Advanced tab is selected. The Register Settings section shows Reregister every 3600 seconds, Minimum time 20 seconds, and Maximum time 1800 seconds. The Timers section has Enable Session Timers unchecked, Session Timer Preference set to None, and Default Session Time 60 seconds. The Advanced Options section has Send SIP keep-alives checked, Use old style hold unchecked, Use rport checked, and Send outgoing request directly to target unchecked. The dialog has Cancel and OK buttons at the bottom.

Calling with X-Lite

Making a call

1. Open X-Lite.
2. Allow it to detect network and login - this will take a few seconds – check the **Call Status** for **Available**.
3. Enter the phone number using your keyboard, or with your mouse using the numeric keypad on X-Lite.
4. Click the **Call** or press **return**.



Ending a call

1. To end a call, click the **Hang up** button.
2. As with traditional calls, a call is also brought to an end when the other party hangs up.

Answering a call

1. X-Lite must be running to answer an incoming call.
2. X-Lite will ring like a traditional telephone.
3. To answer the call, click the green **Dial** button.