

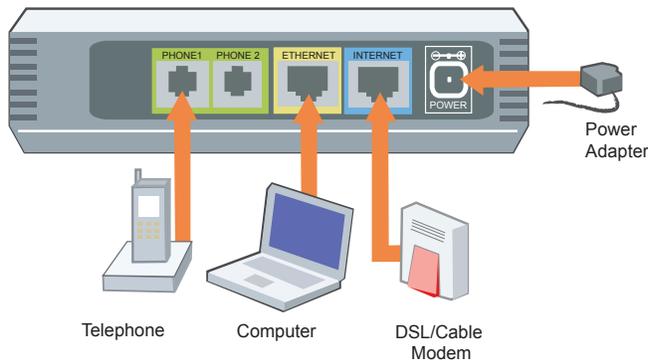


# Installation Guide For The Linksys SPA2102

The Linksys SPA2102 adapter from Yak will include the following: the Linksys SPA2102 analogue telephone adapter (ATA), an Ethernet cable and a power adapter.

You will need an analogue phone, a cable or DSL modem, high speed Internet service and an Ethernet cable that should currently connect your computer to your modem.

## A) ATA CONNECTED TO A MODEM – RECOMMENDED INSTALLATION



In this configuration, if DSL is being used it is highly recommended to use the modem in bridge mode and use the ATA for PPPoE authentication. Configuration of the ATA in that way is described in section C.

1. Disconnect the power from your cable or DSL modem and computer.
2. Connect one end of an Ethernet cable into the **INTERNET** port on the phone adapter (ATA) and the other end into your Cable/DSL modem.
3. Connect another Ethernet cable from your computer or router **WAN/INTERNET** port to the **ETHERNET** port on the phone adapter (ATA). If you are using a home router then connect your PC(s) to the free router ports using separate Ethernet cables.
4. Connect your analogue telephone to the **LINE 1** port of the ATA Phone Adapter.
5. Connect the power to the Cable/DSL modem and power it up.
6. Plug the power adapter into the phone adapter (ATA).
7. Wait about two minutes for the Cable/DSL modem to boot up and for the status indicators to be lit. The Linksys ATA Phone Adapter's red status light will blink in sequence until it has fully connected to the Yak Digital Phone service. Do not interrupt the configuration process by unplugging the power or lifting the receiver on your phone during the startup process. The Power, Ethernet and Phone LEDs will be solidly lit when the phone adapter is ready for use.

**yak**<sup>®</sup>  
the way you connect



# Installation Guide For The Linksys SPA2102

8. You may power up your computer and/or router although it does not need to be on to make phone calls.
9. Pick up your telephone receiver and listen for a dial tone.

## **B) ATA CONNECTED TO A ROUTER – NOT RECOMMENDED**

As we cannot account for the programming of each possible home router, we are unable to support the installation of the ATA to home routers. You might have to review your router manufacturer's instructions on how to avoid VoIP issues. Also, you may review the information at [www.portforward.com](http://www.portforward.com) on how to configure VoIP with your specific type of router. Yak High Speed Internet users may review the Thompson Modem device instructions provided with the X-Lite (softphone) documentation for some advice on router issues.

In this scenario, the phone adapter obtains the public IP address.

1. Connect an Ethernet cable into the **INTERNET** port on the ATA phone adapter and connect the other end to an open port on the home router.
2. Connect a telephone to the **PHONE 1** port of the ATA Phone Adapter using a standard phone line.
3. Connect the power cable provided with the Linksys ATA Phone Adapter to the **POWER** port on the Linksys ATA Phone Adapter. Wait about two minutes for the Cable/DSL modem to boot up and for the status indicators to be lit. The Linksys ATA Phone Adapter's red status light will blink in sequence until it has fully connected to the Yak Digital Phone service. Do not interrupt the configuration process by unplugging the power or lifting the receiver on your phone during the startup process. The Power, Ethernet and Phone LEDs will be solidly lit when the phone adapter is ready for use.
4. Pick up your telephone receiver and listen for a dial tone.

## **C) CONFIGURING YOUR DSL CREDENTIALS ON THE ATA**

Yak supports the installation of the ATA when plugged in front of your modem as in section A. This means that the Linksys SPA2102 ATA must obtain an IP address from the DSL network rather than your modem. Therefore you may need to program the ATA with your DSL username / password. In this configuration the modem is in bridge mode, meaning that the ATA manages the DSL authentication and holds the assigned public address.

Here is how you would program the ATA:

1. Determine the IP address of the ATA
  - a. Most commonly you can access the ATA configuration web page by pointing your web browser to <http://192.168.0.1>, but this not always the case and depends on the home network configuration.
  - b. The most reliable way of determining the IP address of the ATA is to use the on board interactive voice response menu. You can use this method once you have an analogue phone connected to the ATA.
    - i. Use a telephone connected to the PHONE port of the Phone Adapter. (You can only access the Interactive Voice Response Menu through an analogue telephone, not any of the Internet phones.)





# Installation Guide For The Linksys SPA2102

- ii. Press \*\*\*\* (in other words, press the star key four times). Wait until you hear the “Linksys configuration menu – please enter the option followed by the pound (#) key or hang up to exit” response.
  - iii. Press 130# and listen to the IP address being read out. Enter the IP address in your web browser to access the ATA.
  - iv. Press # (pound) key. To exit the menu, hang up the telephone.
2. Open a browser. Enter the ATA IP address, and click the GO button or hit ENTER.
3. Click on the **Wan** Setup tab.
4. Change the connection type from DHCP to **PPPOE**.
5. Enter your DSL user name in the PPPOE Login Name field and your DSL password into the PPPOE Login Password field
6. Click “Submit All Changes” at the bottom of the screen.
7. Once the changes have been accepted, reboot all your devices or power off and proceed to verify internet connectivity.

Router		Voice	
Status	<b>Wan Setup</b>	Lan Setup	Application
		<a href="#">User Login</a>   <a href="#">basic</a>   <a href="#">advanced</a>	
<b>Internet Connection Settings</b>			
Connection Type:	DHCP ▼		
<b>Static IP Settings</b>			
Static IP:	<input type="text"/>	NetMask:	<input type="text"/>
Gateway:	<input type="text"/>		
<b>PPPoE Settings</b>			
PPPOE Login Name:	<input type="text"/>	PPPOE Login Password:	<input type="text"/>
PPPOE Service Name:	<input type="text"/>		

