



Package Contents

- Phone Adapter with Router
- 5 V Power Adapter
- RJ-45 Ethernet Cable
- RJ-11 Phone Cable (not included with all models)
- Power Adapter
- Quick Installation

Phone Adapter with Router

VoIP
Voice

Quick Installation



Model No. **SPA2102 (EU/LA/UK)**

Before You Begin

Make sure you have the following:

- An active Internet connection
- An active Internet phone service account and its settings
- A cable/DSL modem
- One computer for configuration of the Phone Adapter
- An analog telephone or fax machine with an RJ-11 phone cable

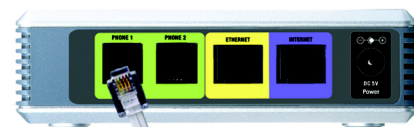
1 Connect the Phone Adapter

A Power off your network devices, including your modem and PC.

B Connect one end of an RJ-11 phone cable to the Phone Adapter's PHONE 1 port. Connect the other end to your analog telephone or fax machine.

IMPORTANT: Do not connect the PHONE port to a telephone wall jack. Make sure you only connect a telephone or fax machine to the PHONE port. Otherwise, the Phone Adapter or the telephone wiring in your home or office may be damaged.

C Repeat Step B with the PHONE 2 port if you have an additional telephone or fax machine to connect.



B

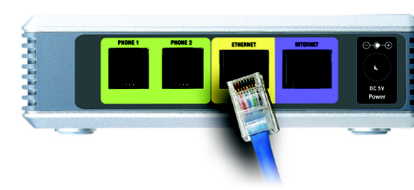
D Connect one end of an Ethernet network cable (included) to the ETHERNET port of the Phone Adapter. Connect the other end to the Ethernet port of your PC.

E Connect one end of a different Ethernet network cable to the INTERNET port of the Phone Adapter. Connect the other end to your cable/DSL modem.

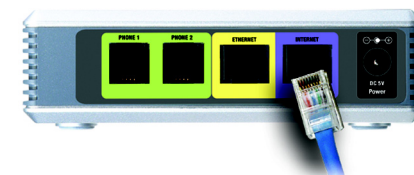
F Power on the cable/DSL modem.

G Connect the included power adapter to the Phone Adapter's power port, and then plug the power adapter into an electrical outlet. The power LED on the front panel will light up as soon as the Phone Adapter powers on.

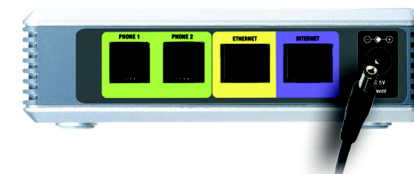
H Power on your PC.



D



E



G

NOTE: Make sure your PC's Ethernet adapter is set to obtain an IP address automatically. For more information, refer to Windows Help.

2 Configure the Phone Adapter

A Launch the web browser on the PC.

B Enter **http://192.168.0.1/advanced** in the *Address* field (192.168.0.1 is the default local IP address of the Phone Adapter). Then press the **Enter** key.

C If your Internet Telephony Service Provider (ITSP) did not supply a password, you will not see a login screen. Proceed to step D.

If your ITSP supplied a password, you will see a login screen. In the *User Name* field, enter **user**, the default user name for user access (this cannot be changed). Then enter the password supplied by your ITSP.

D The *Router - Status* screen will appear. Click the **WAN Setup** tab.



C



D

E Proceed to the appropriate instructions for your Internet Connection Type: DHCP, Static IP, or PPPoE.

DHCP

- 1 Select **DHCP** for the Connection Type.
- 2 If you use a cable modem, you may need to configure the MAC Clone Settings. (Contact your ISP for more information.)

Enable MAC Clone Service. If your service uses a specific PC MAC address, then select **yes** from the *Enable MAC Clone Service* setting. Then enter the PC's MAC address in the *Cloned MAC Address* field.

- 3 Click **Submit All Changes**.

Static IP

- 1 Select **Static IP** for the Connection Type.
- 2 In the Static IP Settings section, enter the IP address in the *Static IP* field, the subnet mask in the *NetMask* field, and the default gateway IP address in the *Gateway* field.



E



MAC Clone Settings



Static IP

Using the Interactive Voice Response Menu

3 In the Optional Settings section, enter the DNS server address(es) in the *Primary DNS* and optional *Secondary DNS* fields.

4 Click **Submit All Changes**.

PPPoE (most DSL users)

1 Select **PPPoE** for the Connection Type.

2 Enter the user name in the *PPPoE Login Name* field, and enter the password in the *PPPoE Login Password* field.

3 Click **Submit All Changes**.



PPPoE

This section explains how to use the Interactive Voice Response Menu to configure the Phone Adapter's network settings. You will use the telephone's keypad to enter your commands and select choices, and the Phone Adapter will use voice responses.

To access the Interactive Voice Response Menu:

A Use a telephone connected to the PHONE port of the Phone Adapter. (You can only access the Interactive Voice Response Menu through an analog telephone, not any of the Internet phones.)

B Press ******** (in other words, press the star key four times).

C Wait until you hear the "Linksys configuration menu—please enter the option followed by the # (pound) key or hang up to exit" response.

D Refer to the following table that lists actions, commands, menu choices, and descriptions. After you select an option, press the **#** (pound) key. To exit the menu, hang up the telephone.

Using the Interactive Voice Response Menu

While entering a value, such as an IP address, you may exit without entering any changes. Press the ***** (star) key twice within half a second. Otherwise, the ***** will be treated as a decimal point or dot.

After entering a value, such as an IP address, press the **#** (pound) key to indicate you have finished your selection. To save the new setting, press **1**. To review the new setting, press **2**. To re-enter the new setting, press **3**. To cancel your entry and return to the main menu, press ***** (star).

For example, to enter the IP address *191.168.1.105* by keypad, press these keys: **191*168*1*105**. Press the **#** (pound) key to indicate that you have finished entering the IP address. Then press **1** to save the IP address or press the ***** (star) key to cancel your entry and return to the main menu.

If the menu is inactive for more than one minute, the Phone Adapter will time out. You will need to re-enter the menu by pressing ********.

The settings you have saved will take effect after you hang up the telephone. The Phone Adapter may reboot at this time.

Interactive Voice Response Menu

Action	Command	Choices	Description
Enter Interactive Voice Response Menu	****		Use this command to enter the Interactive Voice Response Menu. Do not press any other keys until you hear, "Linksys configuration menu. Please enter the option followed by the # (pound) key or hang up to exit."
Check Internet Connection Type	100		Hear the Internet connection type of the Phone Adapter.
Check Internet IP Address	110		Hear the IP address assigned to the Phone Adapter's Internet (external) interface.
Check Network Mask (or Subnet Mask)	120		Hear the network or subnet mask assigned to the Phone Adapter.
Check Gateway IP Address	130		Hear the IP address of the Phone Adapter (usually the network router).
Check MAC Address	140		Hear the MAC address of the Phone Adapter in hexadecimal string format.
Check Firmware Version	150		Hear the version number of the firmware running on the Phone Adapter.
Check Primary DNS Server IP Address	160		Hear the IP address of the primary DNS (Domain Name Service) server.
Check Internet Web Server Port	170		Hear the port number of the Internet Web server used for the Web-based Utility.
Check Local IP Address	210		Hear the local IP address of the Phone Adapter.
Set Internet Connection Type	101	DHCP - Press 0 . Static IP - Press 1 . PPPoE - Press 2 .	Select the type of Internet connection you are using. Refer to the documentation supplied by your Internet Service Provider (ISP).

Interactive Voice Response Menu

Action	Command	Choices	Description
Set Static IP Address	111		First, set the Internet Connection Type to static IP address; otherwise, you will hear, "Invalid Option," if you try to set the static IP address. Use the * (star) key when entering a decimal point.
Set Network (or Subnet) Mask	121		First, set the Internet Connection Type to static IP address; otherwise, you will hear, "Invalid Option," if you try to set the network or subnet mask. Use the * (star) key when entering a decimal point.
Set Gateway IP Address	131		First, set the Internet Connection Type to static IP address; otherwise, you will hear, "Invalid Option," if you try to set the gateway IP address. Use the * (star) key when entering a decimal point.
Set Primary DNS Server IP Address	161		First, set the Internet Connection Type to static IP address; otherwise, you will hear, "Invalid Option," if you try to set the IP address of the primary DNS server. Use the * (star) key when entering a decimal point.
Set the Mode	201	Router/NAT Mode - Press 0 . Bridge/Switch Mode - Press 1 .	If the Phone Adapter acts as the router for your network, use the router/NAT mode. If your network already has a router, use the bridge/switch mode.
Enable/Disable WAN Access to the Web-based Utility	7932	Enable - Press 1 . Disable - Press 0 .	Use this setting to enable or disable WAN access to the Web-based Utility. (This Utility lets you configure the Phone Adapter.)
Manual Reboot	732668		After you hear, "Option successful," hang up the phone. The Phone Adapter will automatically reboot.

Interactive Voice Response Menu

Action	Command	Choices	Description
Factory Reset	73738	Confirm - Press 1 . Cancel - Press * (star).	This feature may be protected by a password available only from your ITSP. If necessary, enter the password*. The Phone Adapter will request confirmation; enter 1 to confirm. You will hear, "Option successful." Hang up the phone. The Phone Adapter will reboot, and all settings will be reset to their defaults.
User Factory Reset	877778	Confirm - Press 1 . Cancel - Press * (star).	The Phone Adapter will request confirmation; enter 1 to confirm. You will hear, "Option successful." Hang up the phone. The Phone Adapter will reboot and all user-configurable settings will be reset to their factory default settings.

* Follow these instructions to enter the password.

- A, B, C, a, b, or c — press **2**.
- D, E, F, d, e, or f — press **3**.
- G, H, I, g, h, or i — press **4**.
- J, K, L, j, k, or l — press **5**.
- M, N, O, m, n, or o — press **6**.
- P, Q, R, S, o, q, r, or s — press **7**.
- T, U, V, t, u, or v — press **8**.
- W, X, Y, Z, w, x, y, or z — press **9**.
- All Other Characters — press **0**.

For example, to enter the password *phone@321* by keypad, press these keys: **746630321**. Then press the **#** (pound) key to indicate that you have finished entering the password. To cancel your entry and return to the main menu, press ***** (star).

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For additional information or troubleshooting help, refer to the User Guide, which is available on the Linksys website. Contact your Internet Telephony Service Provider for further support.

Linksys Website

<http://www.linksys.com/international> or <http://www.linksys.com/support>

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