

# OMNI Quick Start Guide Linksys Phone Adapter PAP2 2 FXS-port Gateway



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Phoneserve  
2 Harbour Exchange Square, London  
E14 9GE, UNITED KINGDOM  
Tel. + 44 (0) 20 7517 7100  
Fax: + 44 (0) 20 7517 7101

Website:	<a href="http://www.phoneserve.com">www.phoneserve.com</a>
Sales Information:	<a href="mailto:Sales@phoneserve.com">Sales@phoneserve.com</a>
Partnership Information:	<a href="mailto:Partners@phoneserve.com">Partners@phoneserve.com</a>
Media Information:	<a href="mailto:PR@phoneserve.com">PR@phoneserve.com</a>

## 1. Before you begin...

Verify that you have the following:

- **Linksys Phone Adapter PAP2** (software version 2.0.12(LS)) and Power Supply
- **Linksys Phone Adapter PAP2 Cabling**
- **PC** (Initially for configuration of the Linksys Phone Adapter PAP2 A PC is used for monitoring and reporting of the Gateway status, but this does not have to be local to the Linksys Phone Adapter PAP2)
- **A network connection to the Internet**
- At least **one analogue phone with an RJ11 connector**
- Phonseserve literature including:
  - - **Phonseserve Omni Quick Install Guide** (this document)
  - - **Phonseserve Omni Account Details** (available from your account manager)
  - - **Phonseserve Omni user instructions** (available from your account manager)

## 2. Getting to Know your Linksys Phone Adapter:



### Back Panel Ports

- **PHONE 1** Port: For your primary Internet phone line, the PHONE 1 port allows you to connect your telephone to the Phone Adapter using an **RJ-11** telephone cable (not included).
- **PHONE 2** Port: It allows you to connect a second telephone (or fax machine) to the Phone Adapter using an **RJ-11** telephone cable (not included).
- **ETHERNET** Port: The ETHERNET port allows you to connect the Phone Adapter to your router or gateway using a **Category 5** (or better) **Ethernet network cable**.



- **POWER** Port: The POWER port is where you will connect the included power adapter.

**NOTE:** These Phone ports do not carry any voltage.

### Front Panel LEDs:

- **PHONE 1 LED Blue.** The PHONE 1 LED is solidly lit when a telephone or fax machine has a registered connection to Phoneserve through the PHONE 1 port. This LED is not lit when there is no registered connection. It flashes when the phone is being used .
- **PHONE 2 LED Blue.** The same applies to this LED.
- **ETHERNET LED Blue.** The ETHERNET LED lights up when the Phone Adapter is connected to your network through the Ethernet port. It flashes when there is data being sent or received through the Ethernet port.
- **Power LED Blue/Red.** The Power LED lights up when the Phone Adapter is powered on and ready. It flashes when the Phone Adapter is booting up, undergoing a self-test, or performing a firmware upgrade. **The LED lights up red** when the Phone Adapter has failed its self-test or is malfunctioning.

### 3. Cabling the Linksys Phone Adapter

1. Using a telephone cable, connect your telephone to the **PHONE 1** port of the Phone Adapter.
2. Connect another telephone to the **PHONE 2** port of the Phone Adapter.
3. Connect the included Ethernet network cable to the **ETHERNET** port of the Phone Adapter. Connect the other end to the one of the **Ethernet ports on your router or gateway.**
4. Connect the included power adapter to the **POWER** port on the back panel of the Phone Adapter. Connect the other end to a standard electrical outlet.
5. **The Power, Ethernet, and Phone LEDs will be solidly lit** when the Phone Adapter is **ready** for use.
6. Follow then our Phoneserve Instructions below.

If you need to manually configure the Phone Adapter's network settings, you can use the telephone; for instructions, proceed to: Using the Phone Adapter's "**Interactive Voice Response Menu.**"

#### 4. Using the Phone Adapter's Interactive Voice Response Menu

To bring up the IVR service, lift the handset and dial \*\*\*\* (ignore any tones you may hear whilst dialling the four "stars" – you will eventually hear "**configuration menu ..**")

Check whether **DHCP** is enabled by entering **100#**  
If you use **DHCP**, enter code **110#**, the IVR should announce the IP address, write it down and skip to step **9** below.

**Note:** To **enable/disable DHCP**, enter **101#**, then when prompted enter **1** to enable or **0** to disable.

If DHCP is enabled, check whether your Phone Adapter has successfully received an IP address thus, according to step 2.

If DHCP allocation was unavailable, you will need to set the IP address manually.

Firstly, switch off DHCP by entering **101#**, then **0**  
Use command **111#** to set IP address, enter numbers from the telephone keypad – use the \* key for the decimal point. (e.g. **10\*10\*60\*134**)

Check Subnet Mask using **120#**. If you need to change the setting, use

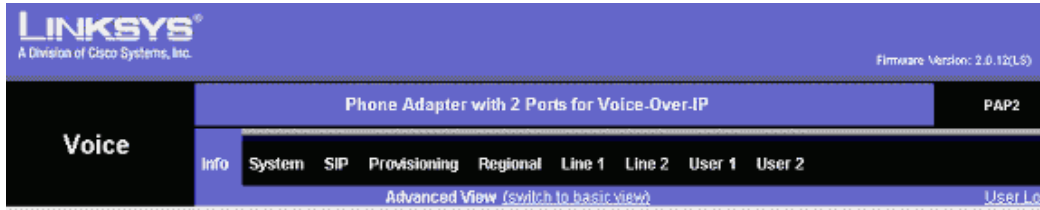
**121#** to set Subnet Mask. Using numbers and \* as above to enter the desired value (e.g. **255\*255\*255\*0**).

Check the IP address of your Internet gateway using **130#**. If you need to change/set this address, use

**131#** - once more using numbers and \* to enter the desired value (e.g. **10\*10.\*60\*254**). Review the IP address setting using **110#** - write it down.

You may now connect to the Phone Adapter from your PC browser – the PC must be connected to the same network as the Phone Adapter. In your browser address window type **http://<the IP address you wrote down>/admin/advanced** and press return on your PC keyboard.

Your browser should now show a tabbed user-interface page. The pages are labelled: **Info, System, SIP, Provisioning, Regional, Line 1, Line 2, User 1** and **User 2**.



If you do not see all these tabs you are not in the “**advanced admin**” mode. To get there click on “**Admin Logon**” then “**Advanced**” at the top right of the web page.

These tabbed pages allow complete and detailed customisation of almost every element of the device, but for simple use as a Phoneserve gateway only a very few changes are necessary; (The Info page displays current setup. There are no configuration changes possible on this page.)

On the System page; network connectivity options may be set, but because you are viewing that page you have obviously already managed those parameters via the IVR Interface.

On the **SIP, Provisioning, Regional, User 1** and **User 2** pages, the device defaults should suffice for basic operations.

### **Important: Setting up your Linksys via the IVR system**

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**.

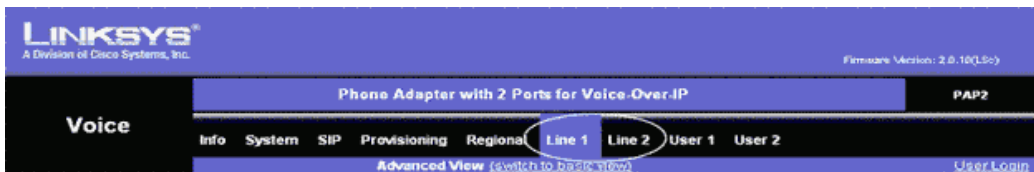
To re-enter the new setting, press **3**.

To cancel your entry and return to the main menu, press \* (star).

## 5. 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 "Configuration menu". Please enter option followed by the # (pound) key or hang up to exit
Check DHCP	100		Use this command to find out if DHCP has been enabled or disabled. If enabled, the Phone Adapter will be assigned an IP address automatically by your network router or gateway. If disabled, then the Phone Adapter will use a static IP address.
Enable/Disable DHCP	101	Enter 1 to enable Enter 0 to disable	Enable or disable the Phone Adapter's DHCP feature. If your network router assigns IP addresses, then enter 1. Otherwise, enter 0.
Check IP Address	110		You will hear the current IP address of the Phone Adapter
Set Static IP Address	111	Enter the IP address using numbers on the telephone keypad. Use the * (star) key when entering a decimal point.	To set a static IP address, the DHCP feature must be disabled. If the DHCP feature is enabled, then you will hear "Invalid Option" if you try to set a static IP address.
Check Network Mask (or Subnet Mask)	120		You will hear the current network mask of the Phone Adapter.
Set Network Mask (or Subnet Mask)	121	Enter the network mask using numbers on the telephone keypad. Use the * (star) key when entering a decimal point.	To set the network mask, the DHCP feature must be disabled. If the DHCP feature is enabled, then you will hear "Invalid Option" if you try to set a static IP address.
Check Static Gateway IP address	130		You will hear the current Gateway IP address of the Phone Adapter.
Set Static Gateway IP address	131	Enter the IP address using numbers on the telephone keypad. Use the * (star) key when entering a decimal point.	To set the Static Gateway IP address, the DHCP feature must be disabled. If the DHCP feature is enabled, then you will hear "Invalid Option" if you try to set a static IP address.
Check MAC Address	140		You will hear the MAC address of the Phone Adapter in hexadecimal string format
Check Firmware Version	150		You will hear the version number of the firmware currently installed on the Phone Adapter
Enable/Disable Web-based Utility of Phone Adapter	7932	Enter 1 to enable Enter 0 to disable	This feature is often protected by a password only from Internet Phone Service Provider. If you can't access it, please contact your IPSP for more information.
Manual Reboot	732668		After your hear "Option Successful", hang up the phone. The Phone Adapter will automatically reboot.
Factory Reset	73738	Enter 1 to confirm Enter * (star) to cancel	This feature is often protected by a password only from Internet Phone Service Provider. If you can't access it, please contact your IPSP for more information. After you have entered your password, the Phone Adapter will request confirmation. After confirmation, you will hear "Option Successful". Hang up the phone. The Phone Adapter will reboot and all settings will be reset to their factory settings.

## 6. Configuring the Settings via the web interface



Make sure you have the following settings configured for tabs **Line 1** and **Line 2**:

### Line 1

**Line Enable:** Yes  
**User ID:** Enter your 1st 18-digit Phoneserve Child Account Number  
**Use Auth ID:** No  
**SIP Port:** 5060  
**EXT SIP Port:** 5060  
**Proxy:** sip186.phoneserve.com  
**Outbound Proxy:** sip186.phoneserve.com  
**Preferred codec:** G723  
**Use pref codec only:** No

### Line 2

**Line Enable:** Yes  
**User ID:** Enter your 2nd 18-digit Phoneserve Child Account Number  
**Use Auth ID:** No  
**SIP Port:** 5061  
**EXT SIP Port:** 5061  
**Proxy:** sip186.phoneserve.com  
**Outbound Proxy:** sip186.phoneserve.com  
**Preferred codec:** G723  
**Use pref codec only:** No

Save your settings by clicking the **Save Settings button** at the bottom of the page.

After you have confirmed that the changes were implemented, disconnect the PAP2 from the power and reconnect it after a few seconds.

The PAP2 will update and reboot – your web browser should refresh in 5 seconds. If you wish, you may check each tab to confirm that the new values have been saved.

The PAP2 will now allow both attached phones to make calls simultaneously.

## **7.Contact & Feedback**

We hope that you have found the contents of this guide both useful and informative. However, if you feel any additional information could be added, or the guide could be improved in any way, please e-mail suggestions to [info@phoneserve.com](mailto:info@phoneserve.com)

All queries relating to this document should be addressed to:

### **The Manager**

Sales Support Team  
Callserve Communications Ltd.  
2 Harbour Exchange Square  
London, E14 9GE  
UNITED KINGDOM  
Tel: +44 (0) 20 7517 7100  
Fax: +44 (0) 20 7517 7101  
E-Mail: [info@phoneserve.com](mailto:info@phoneserve.com)