



Configuration Guide for the Linksys PAP2



SET UP YOUR PAP2

1. Using a standard telephone cable (RJ-11), connect an analog phone to the **Phone1** port on the PAP2.
2. Using a standard network cable (RJ-45), connect the **LAN** port on the PAP2 to your network connection (e.g., LAN).
3. Power on the PAP2 by plugging its power supply into an AC outlet and then plugging the power cable into the **Power** port on the PAP2.

The table below lists some useful IVR options for the PAP2.

PAP2 MENU OPTIONS			
ACTION	CODE	USER INPUT	BEHAVIOR NOTES
Enter IVR Menu	****	N/A	Wait until you hear the announcement, "Configuration menu. Please enter option followed by the pound (#) key, or hang up to exit."
Check DHCP	100	N/A	You will hear the system announce the DHCP status, either enabled or disabled.
Set DHCP	101	To enable, enter 1. To disable, enter 0.	Press the number corresponding with the desired option, followed by the pound (#) key.
Check IP address	110	N/A	
Set IP Address	111	Use the phone's keypad to enter the IP address. Press the star (*) key to enter the "dots" in the IP address.	After entering the IP address, press the pound (#) key. Ensure that DHCP is "Disabled." If it is "Enabled," the system announces, "Invalid Option" if you try to set this value.
Check Net Mask	120	N/A	
Set Net Mask	121	Use the phone's keypad to enter the Net Mask address. Press the star (*) key to enter the "dots" in the IP address.	After entering the Net Mask address, press the pound (#) key. Ensure that DHCP is "Disabled." If it is "Enabled," the system announces, "Invalid Option" if you try to set this value.
Check Gateway	130	N/A	
Set Gateway	131	Use the phone's keypad to enter the gateway address. Press the star (*) key to enter the "dots" in the IP address.	After entering the gateway address, press the pound (#) key. Ensure that DHCP is "Disabled." If it is "Enabled," the system announces, "Invalid Option" if you try to set this value.
Check MAC Address	140	N/A	The system announces the PAP2's MAC address.
Check Firmware Version	150	N/A	The system announces the PAP2's firmware version.
Manual Reboot	7326668	N/A	Once the system announces, "Option successful," you may hang up the phone. The PAP2 reboots automatically.

CONFIGURE YOUR PAP2 FOR OUTBOUND CALLING

To connect to the PAP2 Web interface:

1. Pick up the handset of the phone connected to the PAP2, and then, using the phone's keypad, press the star key (*) four times: ****.
2. When you hear an Interactive Voice Response (IVR) prompt, press **110#**. When the system announces the PAP2's IP address, write it down.

To configure the PAP2 to make outbound calls:

1. Using a PC on the same network as the PAP2, launch a Web browser, and in the **Address** bar, enter the PAP2's IP address (obtained in the previous section).
2. Click the **Admin Login** link, located in the upper right-hand corner of the page.
3. Click the **switch to advanced view** link.
4. Click the tab for **Line1** or **Line2** at the top of the page, depending on which line you are configuring.
5. In the **NAT Settings** section, change the value of the following field:
 - **NAT Keep Alive Enable** – no
6. In the **Proxy and Registration** section, change the value of the following fields:
 - **Proxy** – sip.cafefone.com
 - **Use Outbound Proxy** – no
 - **Use OB Proxy In Dialog** – no
 - **Make Call Without Reg** – yes
 - **Ans Call Without Reg** – yes
 - **DNS SRV Auto Prefix** – no
7. In the **Subscriber Information**, enter **No_Number** in the **Display Name** field.
8. Enter the **User ID** (account number) and **Password** (passcode).

Note:

Line 1 and Line 2 must have a different account number and passcode.

9. Change the value of the **Use Auth ID** field to **no**.

The screenshot shows the Linksys configuration interface for a PAP2 phone adapter. The page is titled "Voice" and "Phone Adapter with 2 Ports for Voice-Over-IP". The "Line 1" tab is selected. The "Advanced View" is active. The settings are organized into several sections:

- Streaming Audio Server (SAS):** Line Enable: yes; SAS Enable: no; SAS Inbound RTP Sink: [empty]; SAS DLG Refresh Intvl: 30.
- NAT Settings:** NAT Mapping Enable: no; NAT Keep Alive Enable: no (circled); NAT Keep Alive Msg: NOTIFY; NAT Keep Alive Dest: \$PRDCT.
- Network Settings:** SP TOS/DiffServ Value: Dxb8; RTP TOS/DiffServ Value: Dxb8; Network Jitter Level: high.
- SIP Settings:** SIP Port: 5060; EXT SIP Port: [empty]; SIP Debug Option: none; Restrict Source IP: no; SIP 100REL Enable: no; Auth Resync-Reboot: yes; RTP Log Intvl: 0.
- Call Feature Settings:** Blind Attn-Xfer Enable: no; Xfer When Hangup Cont: yes; MOH Server: [empty].
- Proxy and Registration:** Proxy: sip.cafefone. (circled); Outbound Proxy: [empty]; Register: yes; Register Expires: 3600; Use DNS SRV: no; Proxy Fallback Intvl: 3600; Use Outbound Proxy: no (circled); Use OB Proxy In Dialog: no; Make Call Without Reg: yes (circled); Ans Call Without Reg: yes (circled); DNS SRV Auto Prefix: no; Voice Mail Server: [empty].
- Subscriber Information:** Display Name: No_Number (circled); Password: [empty]; Auth ID: [empty]; Mini Certificate: [empty]; SRTP Private Key: [empty]; User ID: 000000000000 (circled); Use Auth ID: no (circled).

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10. In the **Audio Configuration** section, change the value of the following fields:

- Preferred Codec – G723
- Use Pref Codec Only – no
- G729a Enable – no
- G723 Enable – yes
- G726-16 Enable – no

- G726-24 Enable – no
- G726-32 Enable – no
- G726-40 Enable – no
- DTMF Tx Method – AVT

Audio Configuration	
Preferred Codec:	G723
Use Pref Codec Only:	no
G729a Enable:	no
G723 Enable:	yes
G726-16 Enable:	no
G726-24 Enable:	no
G726-32 Enable:	no
G726-40 Enable:	no
FAX Codec Symmetric:	yes
DTMF Tx Method:	AVT
Hook Flash Tx Method:	None
Silence Supp Enable:	no
Silence Threshold:	medium
Echo Canc Enable:	yes
Echo Canc Adapt Enable:	yes
Echo Supp Enable:	yes
FAX CED Detect Enable:	yes
FAX CNG Detect Enable:	yes
FAX Passthru Codec:	G711u
FAX Passthru Method:	NSE
FAX Process NSE:	yes
FAX Disable ECAN:	no

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11. In the **Dial Plan** section, change the value of the **Dial Plan** field to match the dialing pattern used in your country (where you are using the CafeFone service).

For US calls, insert “1” as the first digit. For non-US calls, insert “011” before the rest of the phone number. For information on customizing your dial plan, refer to the PAP2 manual.

12. To save these settings, click the **Submit All Changes** button.
13. On the Line 1 and Line 2 configuration pages of the Linksys PAP2, please change the following settings in the Supplementary Service Subscription section from "Yes" to "No":
 - Three Way Call Serv**
 - Three Way Conf Serv**
 - Attn Transfer Serv**
 - Unattn Transfer Serv**