



Using an analog FAX with Linksys PAP2T

Due to the nature of VoIP, it's not always possible to ensure 100% reliability with FAX communications (T.38 aside) due to many factors, including jitter, over compression, high network latency, buggy FAX implementations, etc.

However, with some simple configuration changes to the PAP2T and sufficient Internet bandwidth (preferably a dedicated network for VoIP), very high success rates are possible.

Below are the steps and suggested values:

1. Log into the device using the web management interface.
2. Click on "Admin Login", "Line 1" or "Line 2" tab and "Advanced View".
3. Confirm or change the following values:
 - a. Network Jitter Level: Very High
 - b. Jitter Buffer Adjustment: disable
 - c. Call Waiting Serv: no
 - d. Three Way Call Serv: no
 - e. Echo Canc Enable: no
 - f. Echo Canc Adapt Enable: no
 - g. Echo Supp Enable: no
 - h. Silence Supp Enable: no
 - i. Preferred Codec: G711u
 - j. Use Pref Codec Only: yes
 - k. FAX CED Detect Enable: yes
 - l. FAX CNG Detect Enable: yes
 - m. FAX Passthru Codec: G711u
 - n. FAX Codec Symmetric: yes
 - o. FAX Passthru Method: NSE
 - p. FAX Process NSE: yes
 - q. FAX Disable ECAN: no
4. Be sure to click the "Save" button near the bottom of the page.

Supplementary Service Subscription

Call Waiting Serv:	<input type="text" value="no"/>		Block CID Serv:	<input type="text" value="yes"/>
Block ANC Serv:	<input type="text" value="yes"/>		Dist Ring Serv:	<input type="text" value="yes"/>
Cfwd All Serv:	<input type="text" value="yes"/>		Cfwd Busy Serv:	<input type="text" value="yes"/>
Cfwd No Ans Serv:	<input type="text" value="yes"/>		Cfwd Sel Serv:	<input type="text" value="yes"/>
Cfwd Last Serv:	<input type="text" value="yes"/>		Block Last Serv:	<input type="text" value="yes"/>
Accept Last Serv:	<input type="text" value="yes"/>		DND Serv:	<input type="text" value="yes"/>
CID Serv:	<input type="text" value="yes"/>		CWCID Serv:	<input type="text" value="yes"/>
Call Return Serv:	<input type="text" value="yes"/>		Call Back Serv:	<input type="text" value="yes"/>
Three Way Call Serv:	<input type="text" value="no"/>		Three Way Conf Serv:	<input type="text" value="yes"/>
Attn Transfer Serv:	<input type="text" value="yes"/>		Unattn Transfer Serv:	<input type="text" value="yes"/>
MVM Serv:	<input type="text" value="yes"/>		VMM Serv:	<input type="text" value="yes"/>
Speed Dial Serv:	<input type="text" value="yes"/>		Secure Call Serv:	<input type="text" value="yes"/>
Referral Serv:	<input type="text" value="yes"/>		Feature Dial Serv:	<input type="text" value="yes"/>
Service Announcement Serv:	<input type="text" value="no"/>			

Audio Configuration

Preferred Codec:	<input type="text" value="G711 u"/>		Silence Supp Enable:	<input type="text" value="no"/>
Use Pref Codec Only:	<input type="text" value="yes"/>		Silence Threshold:	<input type="text" value="medium"/>
G729a Enable:	<input type="text" value="no"/>		Echo Canc Enable:	<input type="text" value="no"/>
G723 Enable:	<input type="text" value="no"/>		Echo Canc Adapt Enable:	<input type="text" value="no"/>
G726-16 Enable:	<input type="text" value="no"/>		Echo Supp Enable:	<input type="text" value="no"/>
G726-24 Enable:	<input type="text" value="no"/>		FAX CED Detect Enable:	<input type="text" value="yes"/>
G726-32 Enable:	<input type="text" value="no"/>		FAX CNG Detect Enable:	<input type="text" value="yes"/>
G726-40 Enable:	<input type="text" value="no"/>		FAX Passthru Codec:	<input type="text" value="G711 u"/>
DTMF Process INFO:	<input type="text" value="yes"/>		FAX Codec Symmetric:	<input type="text" value="yes"/>
DTMF Process AVT:	<input type="text" value="yes"/>		FAX Passthru Method:	<input type="text" value="NSE"/>
DTMF Tx Method:	<input type="text" value="Auto"/>		DTMF Tx Mode:	<input type="text" value="Strict"/>
FAX Process NSE:	<input type="text" value="yes"/>		Hook Flash Tx Method:	<input type="text" value="None"/>
FAX Disable ECAN:	<input type="text" value="no"/>		Release Unused Codec:	<input type="text" value="yes"/>

(screenshot may vary between firmware versions. 5.1.6 shown)