

Dreamtilt VoIP Setup Guide



LINKSYS PAP2 CONFIGURATION GUIDE



Minimum Requirements

- Active Dreamtilt Wireless and VoIP account
- Broadband Modem/Router
 - Must have an Ethernet port to connect to the PAP2.
- Analogue Telephone with RJ-11 line (Desktop or Cordless)

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Before You Begin

Please ensure you have your Dreamtilt VoIP details handy so that you can configure the PAP2 with the required settings. You can view your account settings by logging in online at www.dreamtilt.com.au

Initial Setup

Before configuration please refer to the Linksys PAP2 user guide for further information on how to connect the device to your network.

Use this illustration of the back of the ATA to connect it to your network.

1. Phone 1 – plug in your analog telephone cord:



2. Ethernet Port - use an Ethernet cable to connect your PAP2 to your router or modem:



3. Power connection - Connect the power to your PAP2:



If you require more advice, please refer to the help documents on our website at <http://support.dreamtilt.com.au> or contact us at admin@dreamtilt.com.au

PAP2 Configuration

To obtain the IP address of the PAP2, proceed with the following steps:

1. Dial ****
2. Dial 110#

An automated voice will then announce the IP address. Make sure to keep a record of the IP address for future use.

Open a browser window and enter the PAP2's IP address in your browser's address bar to access the PAP2's configuration menu. If you are experiencing difficulty trying to connect to the device at this point, please refer to the PAP2 user guide or contact Linksys Technical Support for further assistance.

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VoIP Configuration

Once you have logged into the PAP2 Configuration Center, log in as the Administrator by clicking the **ADMIN LOGIN** on the top right hand side of the page. For more information regarding each property and option, please refer to the PAP2 user manual. Click on the **ADVANCED** button (top right hand side) to access the Advanced settings.

Click on the **LINE 1** tab

SIP Settings

Line Enable:	<input type="text" value="yes"/>
SIP Port:	<input type="text" value="5060"/>

LINE ENABLE: Yes
SIP PORT: 5060

NAT Settings

NAT Mapping Enable:	<input type="text" value="yes"/>	NAT Keep Alive Enable:	<input type="text" value="yes"/>
NAT Keep Alive Msg:	<input type="text" value="\$NOTIFY"/>	NAT Keep Alive Dest:	<input type="text" value="\$PROXY"/>

NAT MAPPING ENABLE: Yes
NAT KEEP ALIVE: Yes

Proxy and Registration

Proxy:	<input type="text" value="dreamtilt.com.au"/>	Use Outbound Proxy:	<input type="text" value="no"/>
Outbound Proxy:	<input type="text" value="dreamtilt.com.au"/>	Use OB Proxy In Dialog:	<input type="text" value="yes"/>
Register:	<input type="text" value="yes"/>	Make Call Without Reg:	<input type="text" value="no"/>
Register Expires:	<input type="text" value="3600"/>	Ans Call Without Reg:	<input type="text" value="yes"/>
Use DNS SRV:	<input type="text" value="yes"/>	DNS SRV Auto Prefix:	<input type="text" value="yes"/>
Proxy Fallback Intvl:	<input type="text" value="3600"/>	Voice Mail Server:	<input type="text"/>

PROXY: *dreamtilt.com.au*
OUTBOUND PROXY: *dreamtilt.com.au*
MAKE CALL WITHOUT REG: No
ANS CALL WITHOUT REG: Yes
USE DNS SRV: Yes
DNS SRV AUTO PREFIX: Yes

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Subscriber Information

Subscriber Information			
Display Name:	Dreamtilt VoIP No	User ID:	Dreamtilt VoIP No
Password:	Password	Use Auth ID:	no
Auth ID:	Dreamtilt VoIP No		
Mini Certificate:			
SRTP Private Key:			

DISPLAY NAME: Enter your Dreamtilt VoIP Number

USER ID: Enter your Dreamtilt VoIP Number

PASSWORD: Enter your Dreamtilt VoIP Password

Audio Configuration

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

PREFERRED CODEC: G.729a

Dial Plan

Dial Plan	
Dial Plan:	(*xx 13[1-9]xxxS0 1[38]00xxxxxS0 190xxxxxx! 000S0 0011xxxxx. [2-9]xxxxxxxS0 0[2-9]xxxxxxxS0)
Enable IP Dialing:	no

Copy into the **DIAL PLAN** the following -

(*xx|13[1-9]xxxS0|1[38]00xxxxxS0|190xxxxxx!|000S0|0011xxxxx.|[2-9]xxxxxxxS0|0[2-9]xxxxxxxS0)



Now click on **SAVE SETTINGS**

Click on the **SIP** tab

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NAT Support Parameters

NAT Support Parameters			
Handle VIA received:	<input type="text" value="no"/>	Handle VIA rport:	<input type="text" value="no"/>
Insert VIA received:	<input type="text" value="no"/>	Insert VIA rport:	<input type="text" value="no"/>
Substitute VIA Addr:	<input type="text" value="yes"/>	Send Resp To Src Port:	<input type="text" value="no"/>
STUN Enable:	<input type="text" value="yes"/>	STUN Test Enable:	<input type="text" value="yes"/>
STUN Server:	<input type="text" value="stun1.dreamtilt.com"/>	EXT IP:	<input type="text"/>
EXT RTP Port Min:	<input type="text"/>	NAT Keep Alive Intvl:	<input type="text" value="15"/>

SUBSTITUTE VIA Address: Yes
STUN ENABLE: Yes
STUN TEST ENABLE: Yes
STUN SERVER: *stun1.dreamtilt.com.au*

Click on **SAVE SETTINGS**
 Click on the **REGIONAL** tab

Call Progress Tones

Voice	
Phone Adapter with 2 Ports for Voice-Over-IP	
Info	System SIP Provisioning Regional Line 1 Line 2 U
Advanced View (switch to basic view)	
Call Progress Tones	
Dial Tone:	<input type="text" value="400@-19,425@-19;30(*0/1+2)"/>
Second Dial Tone:	<input type="text" value="420@-19,520@-19;10(*0/1+2)"/>
Outside Dial Tone:	<input type="text" value="420@-16;10(*0/1)"/>
Prompt Tone:	<input type="text" value="520@-19,620@-19;10(*0/1+2)"/>
Busy Tone:	<input type="text" value="425@-10;10(.4/.4/1)"/>
Reorder Tone:	<input type="text" value="425@-10;10(.2/.2/1)"/>
Off Hook Warning Tone:	<input type="text" value="480@-10,620@0;10(.125/.125/1+2)"/>
Ring Back Tone:	<input type="text" value="19,425@-19,450@-19;*(.4/.2/1+2+3,.4/.2/1+2+3,0/2/0)"/>
Confirm Tone:	<input type="text" value="600@-16;1(.25/.25/1)"/>
SIT1 Tone:	<input type="text" value="985@-16,1428@-16,1777@-16;20(.380/0/1,.380/0/2,.380/0/3)"/>
SIT2 Tone:	<input type="text" value="914@-16,1371@-16,1777@-16;20(.274/0/1,.274/0/2,.274/0/3)"/>
SIT3 Tone:	<input type="text" value="914@-16,1371@-16,1777@-16;20(.380/0/1,.380/0/2,.380/0/3)"/>
SIT4 Tone:	<input type="text" value="985@-16,1371@-16,1777@-16;20(.380/0/1,.274/0/2,.274/0/3)"/>
MWI Dial Tone:	<input type="text" value="350@-19,440@-19;2(.1/1/1+2);10(*0/1+2)"/>
Cfwd Dial Tone:	<input type="text" value="350@-19,440@-19;2(.2/2/1+2);10(*0/1+2)"/>
Holding Tone:	<input type="text" value="600@-19;*(.1/1/1,.1/1/1,.1/9.5/1)"/>
Conference Tone:	<input type="text" value="350@-19;20(.1/1/1,.1/9.7/1)"/>
Secure Call Indication Tone:	<input type="text" value="397@-19,507@-19;15(0/2/0,.2/1/1,.1/2.1/2)"/>

DIAL TONE:
 400@-19,425@-19,450@-19;10(*0/1+2+3)

BUSY TONE:
 425@-19;10(.375/.375/1)

REORDER TONE:
 425@-19, 425@-29;60(.375/.375/1,.375/.375/2)

RING BACK TONE:
 400@-19,425@-19,450@-19;*(.4/.2/1+2+3,.4/2/1+2+3)

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MWI DIAL TONE

400@-19,425@-19,450@-19;2(.1/.1/1+2);10(*0/1+2)

Control Timer Values

Control Timer Values (sec)			
Hook Flash Timer Min:	0.07	Hook Flash Timer Max:	0.13
Callee Cn Hook Delay:	0	Reorder Delay:	5
Call Back Expires:	1800	Call Back Retry Intvl:	30
Call Back Delay:	5	VMM Refresh Intvl:	0
Interdigit Long Timer:	10	Interdigit Short Timer:	3
CPC Delay:	2	CPC Duration:	0

HOOK FLASH TIMER MIN: 0.07
HOOK FLASH TIMER MAX: 0.13

Distinctive Call Waiting Tone Patterns

Distinctive Call Waiting Tone Patterns			
CWT1 Cadence:	30[3/9.7]	CWT2 Cadence:	30[1/1.,1/9.7]
CWT3 Cadence:	30[1/1.,3/1.,1/9]	CWT4 Cadence:	30[1/1.,1/1.,1/9.4]
CWT5 Cadence:	30[3/1.,1/1.,3/9.]	CWT6 Cadence:	30[1/1.,3/2.,3/9.]
CWT7 Cadence:	30[3/1.,3/1.,1/9.]	CWT8 Cadence:	30[2/2.,2/4.4]

CWT8 CADENCE: 30(.2/.2.,2/4.4)

Distinctive Ring Patterns

Distinctive Ring Patterns			
Ring1 Cadence:	60(1.5/3.4)	Ring2 Cadence:	60(3/2.1/2.,3/4)
Ring3 Cadence:	60(1.5/3.4.,4/2.4/)	Ring4 Cadence:	60(4/2.3/2.,0/4)
Ring5 Cadence:	60(2/2.,2/2.,2/2.)	Ring5 Cadence:	60(2/4.,2/4.,2/4)
Ring7 Cadence:	60(4/2.,4/2.,4/4)	Ring6 Cadence:	60(0.25/9.75)

RING 1 CADENCE:

60(.4/.2.,4/2)

Miscellaneous

TIME ZONE: GMT+10:00

FXS PORT IMPEDANCE

220+820||115nF

Click on **SAVE SETTINGS.**

Click on **SYSTEM SETTINGS.**

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Internet Connection Type and Optional Network Configuration

Internet Connection Type	_____	
DHCP:	yes ▾	NetMask: _____
Static IP:	_____	
Gateway:	_____	
Optional Network Configuration		
HostName:	_____	Domain: _____
Primary DNS:	_____	Secondary DNS: _____
DNS Server Order: DHCP,Manual ▾		DNS Query Mode: Parallel ▾
Syslog Server:	_____	Debug Server: _____
Debug Level: 0 ▾		Primary NTP Server: _____
Secondary NTP Server:	_____	

DHCP: Yes

DNS Server Order: *DHCP, Manual*

Click on **SAVE SETTINGS**.

You should now be able to make calls on your phone.

Extra Information

To reset the device to its factory defaults, perform the following with your handset:

1. Dial "****"
2. Dial "73738#"
3. Dial "1" (to confirm)