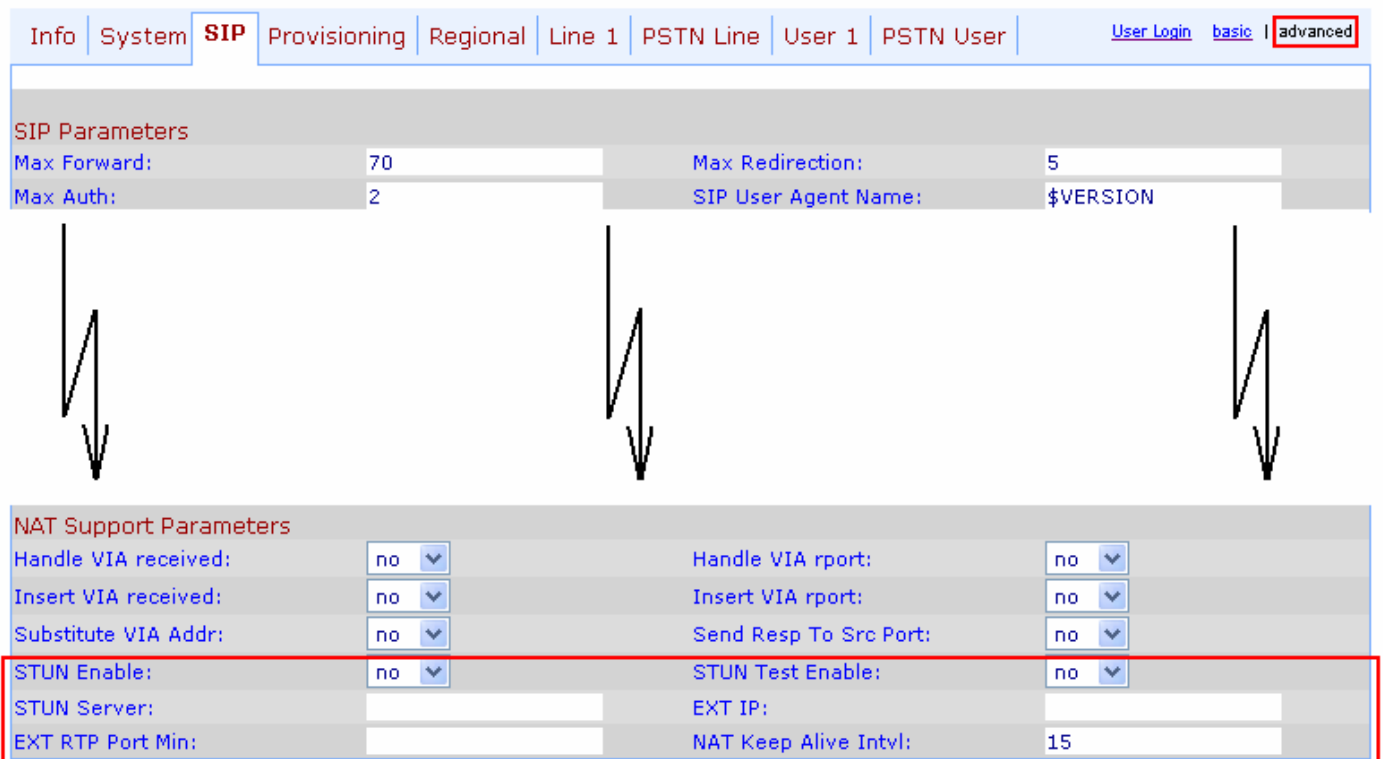


1. Open your web browser and navigate to the URL;

**http://<Linksys PAP IP>/admin/advanced**

2. Go to "SIP" Page and check the configuration to match the below highlighted area;



The screenshot shows the Linksys administration interface with the 'SIP' tab selected. The 'SIP Parameters' section is highlighted in grey and contains the following fields:

Max Forward:	70	Max Redirection:	5
Max Auth:	2	SIP User Agent Name:	\$VERSION

Three arrows point from the 'SIP Parameters' section to the 'NAT Support Parameters' section below. The 'NAT Support Parameters' section is also highlighted in grey and contains the following fields:

Handle VIA received:	no	Handle VIA rport:	no
Insert VIA received:	no	Insert VIA rport:	no
Substitute VIA Addr:	no	Send Resp To Src Port:	no
STUN Enable:	no	STUN Test Enable:	no
STUN Server:		EXT IP:	
EXT RTP Port Min:		NAT Keep Alive Intvl:	15

The bottom row of the 'NAT Support Parameters' section, including 'STUN Enable', 'STUN Server', 'EXT RTP Port Min', 'STUN Test Enable', 'EXT IP', and 'NAT Keep Alive Intvl', is highlighted with a red border.

3. Go to "LINE 1", and configure it to look as displayed below:

Info	System	SIP	Provisioning	Regional	<b>Line 1</b>	PSTN Line	User 1	PSTN User	<a href="#">User Login</a>	<a href="#">basic</a>	<a href="#">advanced</a>
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Line Enable:	<input type="text" value="yes"/>
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Streaming Audio Server (SAS)

SAS Enable:	<input type="text" value="no"/>	SAS DLG Refresh Intvl:	<input type="text" value="30"/>
SAS Inbound RTP Sink:	<input type="text"/>		

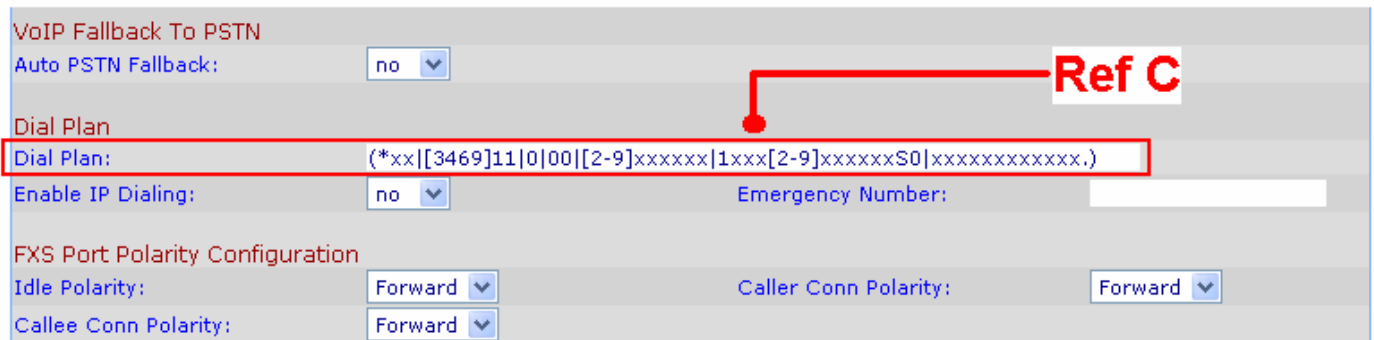
NAT Settings

NAT Mapping Enable:	<input type="text" value="no"/>	NAT Keep Alive Enable:	<input type="text" value="no"/>
NAT Keep Alive Msg:	<input type="text" value="\$NOTIFY"/>	NAT Keep Alive Dest:	<input type="text" value="\$PROXY"/>


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Proxy and Registration				<b>Ref. A</b>
Proxy:	<input type="text" value="sip.checkcdr.com"/>	Use Outbound Proxy:	<input type="text" value="yes"/>	
Outbound Proxy:	<input type="text" value="obproxy.checkcdr.com"/>	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="240"/>	Ans Call Without Reg:	<input type="text" value="no"/>	
Use DNS SRV:	<input type="text" value="no"/>	DNS SRV Auto Prefix:	<input type="text" value="no"/>	
Proxy Fallback Intvl:	<input type="text" value="3600"/>	Proxy Redundancy Method:	<input type="text" value="Normal"/>	
Voice Mail Server:	<input type="text"/>			
Subscriber Information				
Display Name:	<input type="text" value="Anything"/>	User ID:	<input type="text" value="Account"/>	
Password:	<input type="text" value="Password"/>	Use Auth ID:	<input type="text" value="no"/>	
Auth ID:	<input type="text"/>			
Mini Certificate:	<input type="text"/>			
SRTP Private Key:	<input type="text"/>			
Supplementary Service Subscription				
Call Waiting Serv:	<input type="text" value="no"/>	Block CID Serv:	<input type="text" value="no"/>	
Block ANC Serv:	<input type="text" value="no"/>	Dist Ring Serv:	<input type="text" value="no"/>	
Cfwd All Serv:	<input type="text" value="no"/>	Cfwd Busy Serv:	<input type="text" value="no"/>	
Cfwd No Ans Serv:	<input type="text" value="no"/>	Cfwd Sel Serv:	<input type="text" value="no"/>	
Cfwd Last Serv:	<input type="text" value="no"/>	Block Last Serv:	<input type="text" value="no"/>	
Accept Last Serv:	<input type="text" value="no"/>	DND Serv:	<input type="text" value="no"/>	
CID Serv:	<input type="text" value="no"/>	CWCID Serv:	<input type="text" value="no"/>	
Call Return Serv:	<input type="text" value="no"/>	Call Redial Serv:	<input type="text" value="no"/>	
Call Back Serv:	<input type="text" value="no"/>	Three Way Call Serv:	<input type="text" value="no"/>	
Three Way Conf Serv:	<input type="text" value="no"/>	Attn Transfer Serv:	<input type="text" value="no"/>	
Unattn Transfer Serv:	<input type="text" value="no"/>	MWI Serv:	<input type="text" value="no"/>	
VMWI Serv:	<input type="text" value="no"/>	Speed Dial Serv:	<input type="text" value="no"/>	
Secure Call Serv:	<input type="text" value="no"/>	Referral Serv:	<input type="text" value="no"/>	
Feature Dial Serv:	<input type="text" value="no"/>	Service Announcement Serv:	<input type="text" value="no"/>	
Audio Configuration				
Preferred Codec:	<input type="text" value="G723"/>	Silence Supp Enable:	<input type="text" value="no"/>	<b>Ref B</b>
Use Pref Codec Only:	<input type="text" value="yes"/>	Silence Threshold:	<input type="text" value="medium"/>	
G729a Enable:	<input type="text" value="yes"/>	Echo Canc Enable:	<input type="text" value="yes"/>	



VoIP Fallback To PSTN  
Auto PSTN Fallback: no

Dial Plan  
Dial Plan: (\*xx|[3469]11|0|00|[2-9]xxxxxx|1xxx[2-9]xxxxxxS0|xxxxxxxxxxxxx.)

Enable IP Dialing: no      Emergency Number:

FXS Port Polarity Configuration  
Idle Polarity: Forward      Caller Conn Polarity: Forward  
Callee Conn Polarity: Forward

## Ref A:

Proxy: sip.checkcdr.com

Outbound Proxy: obproxy.checkcdr.com:7899

Note: Using Proxy as sip.checkcdr.com would use default sip port 5060.  
For Customers who have port blocking problem with their ISP, could try the following variations as Proxy:

sip.checkcdr.com:3060

sip.checkcdr.com:1175

## Ref B:

Preferred codecs are G723 and G729a

Use preferred codec only: YES

Note: If you're using PAP2T, then you're able to set both lines on G729a. However incase of PAP2, this cannot be done due to a limitation of the device itself.

## Ref C:

Dial Plan:

(\*xx|[3469]11|0|00|[2-9]xxxxxx|1xxx[2-9]xxxxxxS0|xxxxxxxxxxxxx.)

4. Configure "PSTN Line" as well to with same configuration. The Only difference would be SIP PORT: should be something different than line 1,

Line 1 SIP Port Default: 5060

PSTN Line SIP Port Default: 5061

5. Now press "Save Settings" button. Device would restart and you'll be ready to call!

If you experience any problem with configurations, please do feel free to call for support, and we'll be very glad to assist you.