

Linksys WIP 330 WiFi Phones

WIP330 Setup instructions for sipXecs

Assuming you can connect to a wireless AP or router on your LAN (without a NAT traversal to your sipX installation), start up the device's web interface. Realize also, this assumes you have the DNS SRV setup on your LAN and the sipx installation works properly already.

<http://ip-address-of-handset>

You can go to settings in the phone menu and get it or look in your DHCP server to get this

The default username is "admin and the default password is "0000"

I do suggest uploading the latest firmware from linksys to the device first. The latest version at the time of writing this is "v1.03.18S".

There are many setting you can edit or add in the web interface, but for this document is a single focus to set the sip settings for your sipx server on your LAN.

Once logged in, go to SIP > SIP SETTINGS

BEGIN CONFIG SCREEN

SIP Proxy Setup

SIP URL

(on the first line, just enter your extension number, when it is complete, the sip url for your phone should be:
"123"@yourdomain.com:5060, assuming the extension for this phone is 123, as you fill out the fields, it should update the SIP: field properly.

SIP : 123 "123"@yourdomain.com:5060

SIP Proxy: yourdomain.com
SIP Proxy Port: 5060
Registrar Address: yourdomain.com
Registrar Port: 5060
Expiry Time(sec.): 3600
Session Timer: 0
Display Name: "your display name"
SIP Format: X Normal O Drop Port XDrop 5060 Port (Normal should be shosen)

STUN Proxy Setup

STUN : X Disable O Enable (Disable should be chosen)
STUN Address:
STUN Port:

Outbound Proxy Setup

Outbound Proxy: sipx.yourdomain.com (your sipx FQHN)
Outbound Proxy Port: 5060

Authication (this is not a typo by me, this is what Linksys displays)

Registrar Name: 123 (your extension)
Password: 123 (your sip password)

APPLY/SAVE and CLICK ON SDP SETTINGS

Payload: G.711u-G.711a-G.729
Packet Time: X Small O Large (Small should be chosen)
DTMF Relay: ENABLE
UDP Port: 5060
RTP Port: 2070

APPLY/SAVE

END CONFIG SCREEN

There is also a place in the phone to record the voice mail number for the system, which is "101" by default. Not sure what difference this makes, as the phone has no MWI capabilities whatsoever.

I have not fully tested transfer and other functions on it yet. The "key click" behavior can also be changed to silent. The way the phone handles DTMF makes it difficult, because whether the key-click is silent or not, the receiver is not transmitting, so you usually lose the first work of whatever the AA or VM box is sending back to you. Also, realize the voice quality is fair if the battery is charged and the wireless signal is OK. I wouldn't use this for a home set or a desk set, but it is handy when you have to duck into wiring closets or go to a loud server room while on a factory support call. I got this one to show a customer who has 4 roaming staffers who do not need voicemail and have a robust wireless network, and it barely fits the bill.

On a lark, I also roamed to a remote location and was able to reach sipX as there was a properly configured Ingate system with remote sip access already enabled and working. I just had to manually select the SSID from the wireless settings in the MENU. It also seems to support TMobile hotspots, so you can pre-populate your username/password from them if you have an account and use it assuming you have a sip firewall capable of passing your remote user through like the InGate does. If it is all setup properly, your sip profile would not have to be edited in a "roaming" mode.