<u>Cisco SPA112 Configuration Guide for FreePhoneLine</u>
<u>Software Version: 1.3.3(015)</u>

Official FPL guidelines you can find at: http://support.freephoneline.ca/entries/23120323-VoIP-Unlock-Key-Credentials

All the settings were <u>default</u> on the device before configuration.

<u>Step 1.</u>
Plug all the appropriate wires to your CISCO SPA112 device.

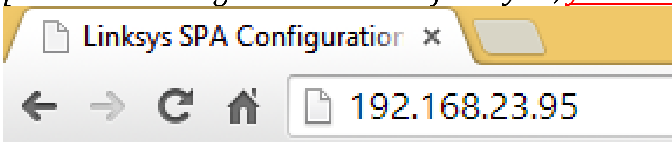
- Ethernet cable (Internet connection)
- Phone line (attached to the phone) *[Note: Use 'Phone 1' port]*
- Power

<u>Step 2.</u>
To find out IP address for accessing web-based utility from your phone attached to SPA112 dial:

- '****'
- Then dial '110#'

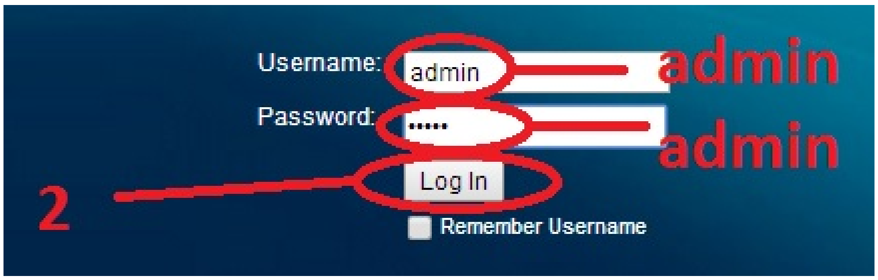
Write down your <u>IP address.</u>

<u>Step 3.</u>
On the PC/Mac connected to the same network as your CISCO SPA112 device, go to your browser (Internet Explorer; Chrome; Firefox; Opera; Safari, etc.).
In the URL bar put your <u>IP address from Step 2.</u>
[Note: I am using 192.168.23.95 for my IP, <u>your IP address might be different!</u>]



Login page will appear.

Default Username: admin
Default Password: admin



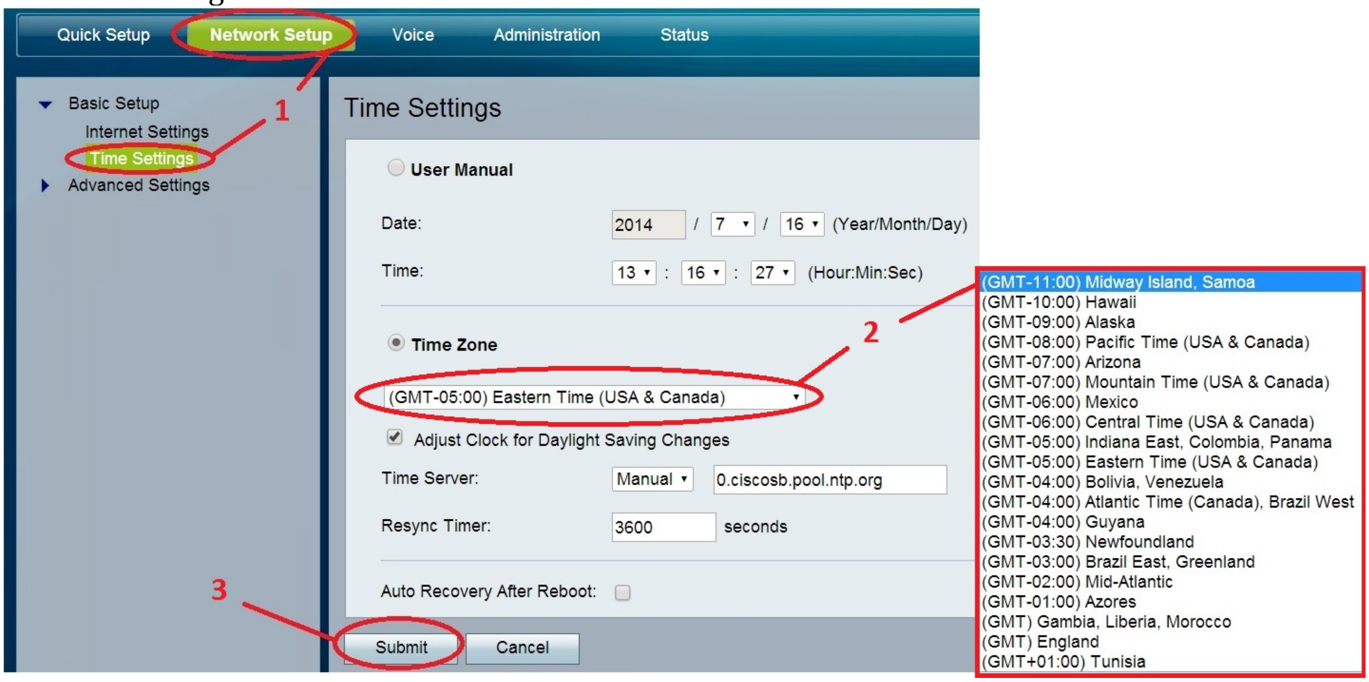
Step 4.

Go to the 'Network Setup' tab, then on your left side menu click on 'Time Settings' and change the following settings:

Under 'Time Zone' Category choose the appropriate time zone where SPA112 is located.

Then click 'Submit' button to save changes.

Wait until changes are saved.



Step 5.

Go to the 'Voice' tab, then on your left side menu go to 'SIP' line and fill in the following settings:

Under 'RTP Parameters' category

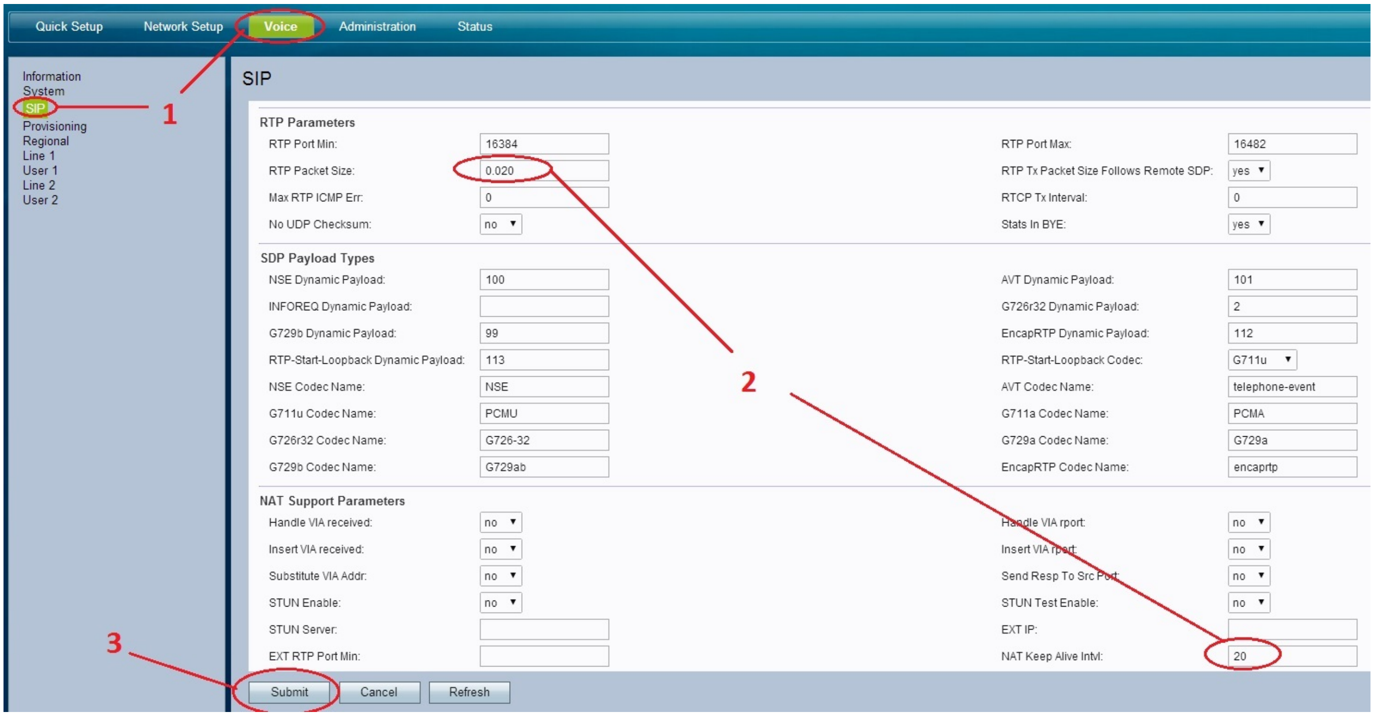
RTP Packet Size: *0.020*

Under 'NAT Support Parameters' category

NAT Keep Alive Intvl: *20*

Then click 'Submit' button to save changes.

Wait until changes are saved.



Step 6.

Go to 'Voice' tab, then go 'Regional' line and change the following settings:

Under 'Ring and Call Waiting Tone Spec' category:

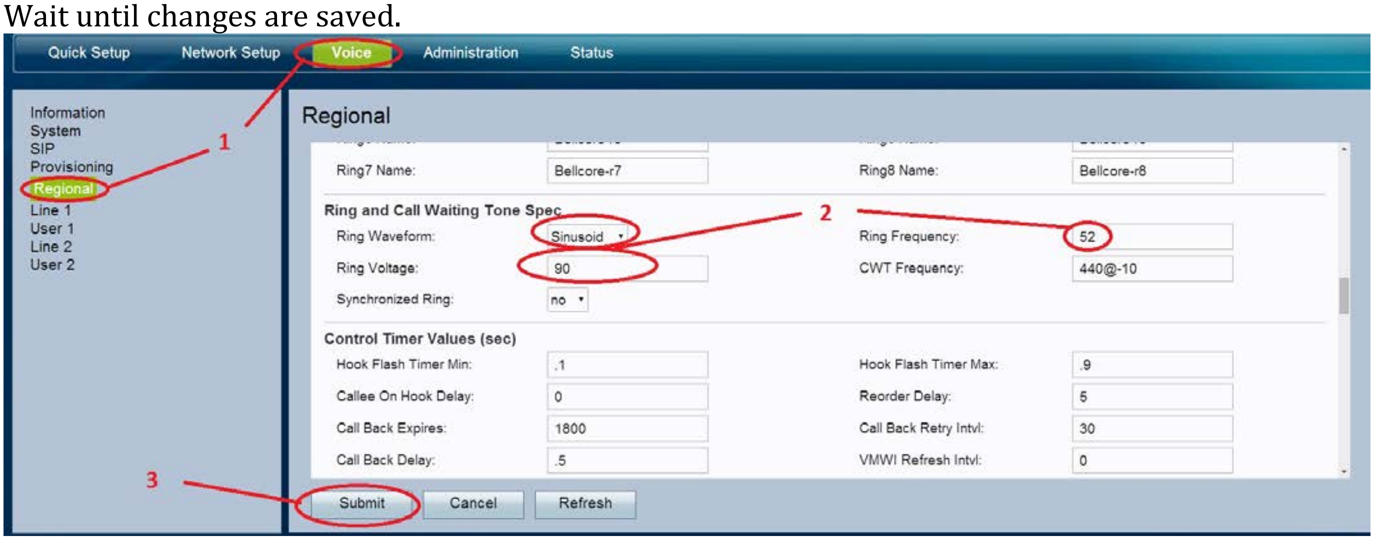
Ring Waveform: *Sinusoid*

Ring Frequency: *52*

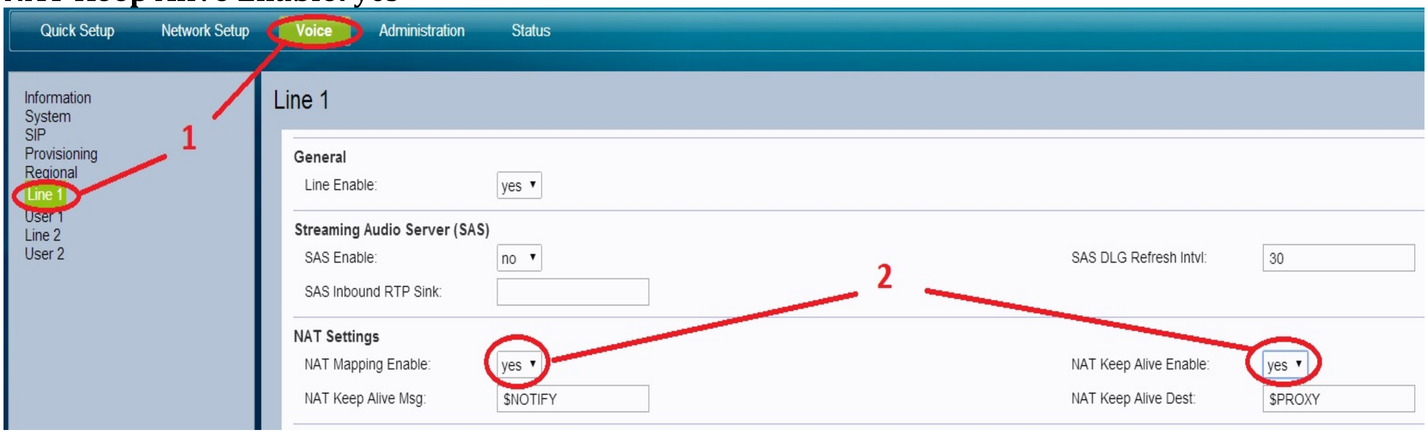
Ring Voltage: *90*

Then click 'Submit' button to save changes.

Wait until changes are saved.

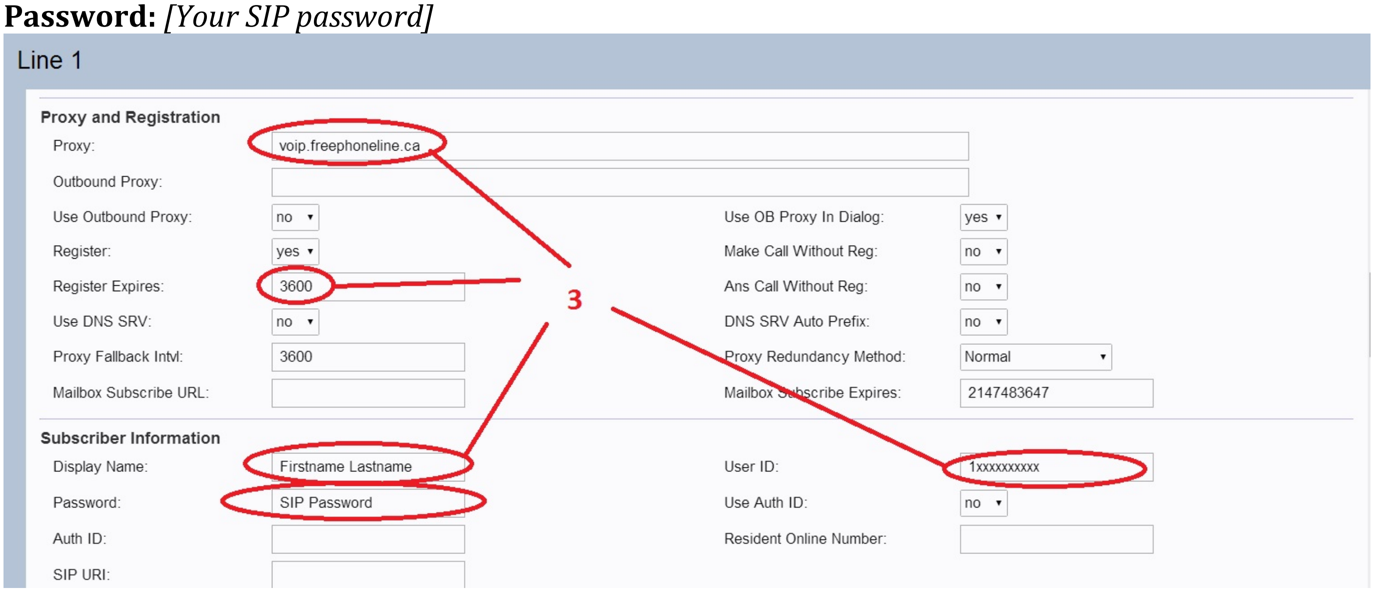


<u>Step 7.</u>
Go to 'Voice' tab, then go 'Line 1' line and change the following settings:
<u>Under 'NAT Settings' category:</u>
NAT Mapping Enable: *yes*
NAT Keep Alive Enable: yes

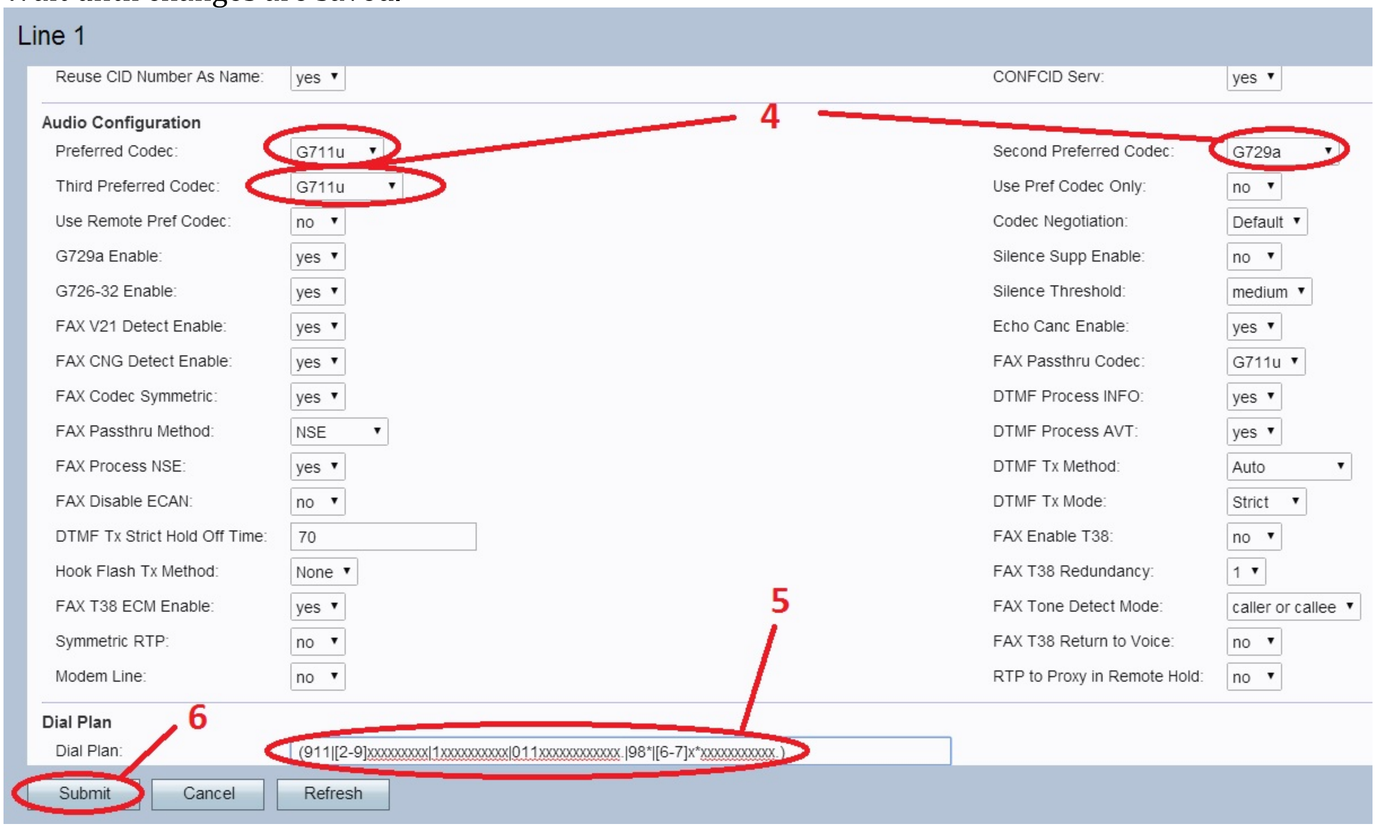


<u>Under 'Proxy and Registration' category:</u>
Proxy: *voip.freephoneline.ca* **OR** *voip2.freephoneline.ca* **[Note: For <u>ROGERS</u> Internet provider customers use *voip4.freephoneline.ca:6060*]**
Register Expires: *3600*

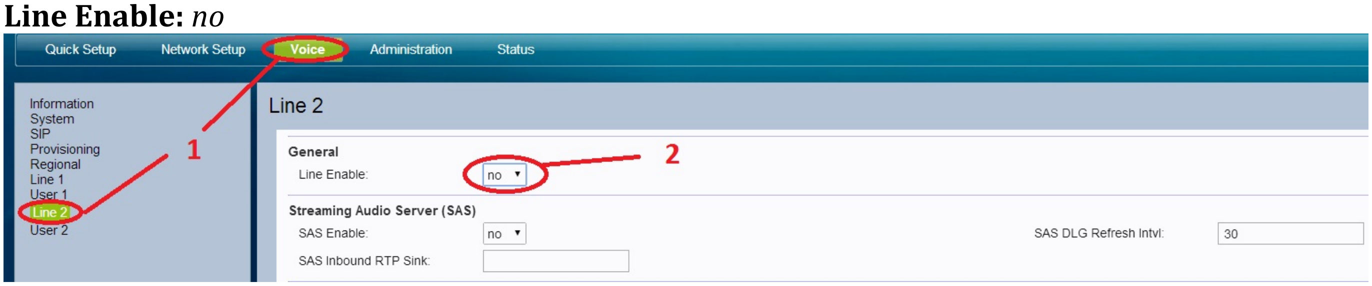
<u>Under 'Subscriber Information' category:</u>
Display Name: *[Your first and last name]*
[Note: ATA and SIP clients with a Caller ID string containing non-alphanumeric characters will prevent you from making outgoing calls]
User ID: *[Your FPL number 1xxxxxxxxxx]*
Password: *[Your SIP password]*



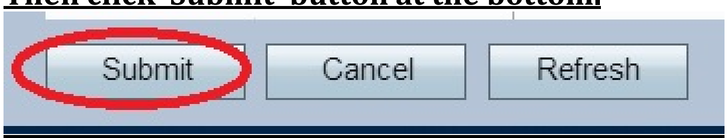
<u>Under 'Audio Configuration' category:</u>
Preferred Codec: *G711u*
Second Preferred Codec: *G729a*
Third Preferred Codec: *G711u*
<u>Under 'Dial Plan' category:</u>
Dial Plan: *(911|[2-9]xxxxxxxxx|1xxxxxxxxxx|011xxxxxxxxxxxx.|98*|[6-7]x*xxxxxxxxxxx.)*
Then click 'Submit' button to save changes.
Wait until changes are saved.



<u>Step 8.</u>
Go to 'Voice' tab, then click on 'Line 2':
Line Enable: *no*



<u>**Then click 'Submit' button at the bottom.**</u>



Wait until changes are saved.

Enjoy your free phone line! ☺