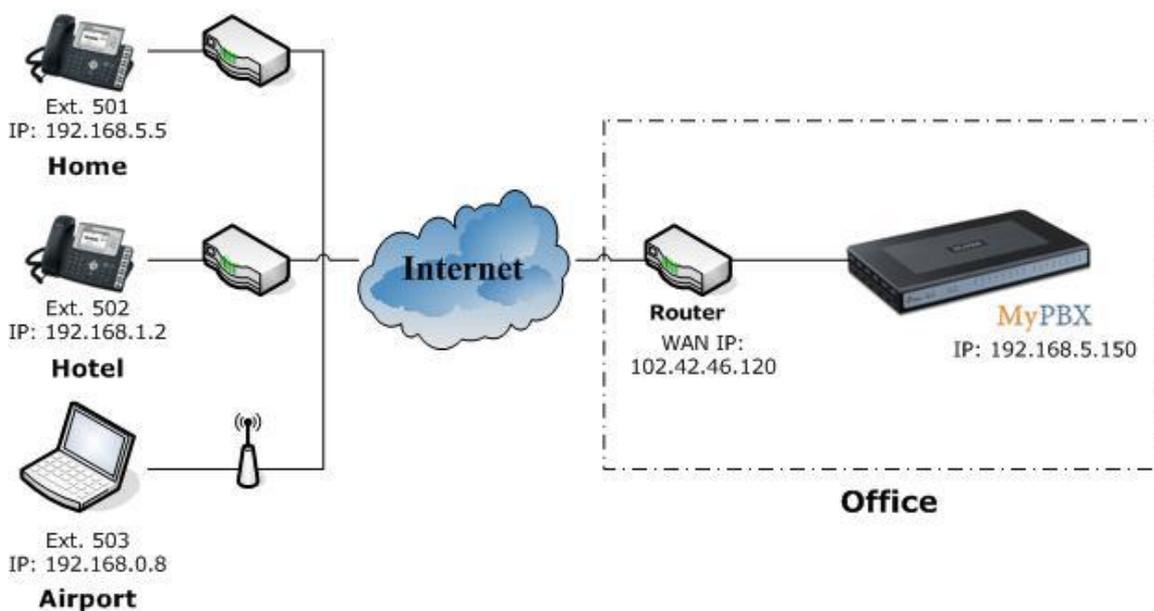


## Register to MyPBX Server remotely

The general environment for MyPBX and user in different location is: MyPBX and user are both behind router and using the private IP.

### Flowchart:



**Note:** Since the MyPBX doesn't have the public IP, we need to set up "port forwarding" function in the router .

**Step 1** Set up "port forwarding" function in the router for MyPBX.

Example: The router's public IP is '102.42.46.120'.

Because the MyPBX is behind the router, Register to MyPBX remotely, you need to forward the SIP port in your router, so all the packets received on the router WAN port (102.42.46.120:5060) will be forwarded to the MyPBX (192.168.5.150:5060). Below is the setting page in a Linksys router:

**Note:** we must map UDP port 5060 and UDP port 10001-12000.

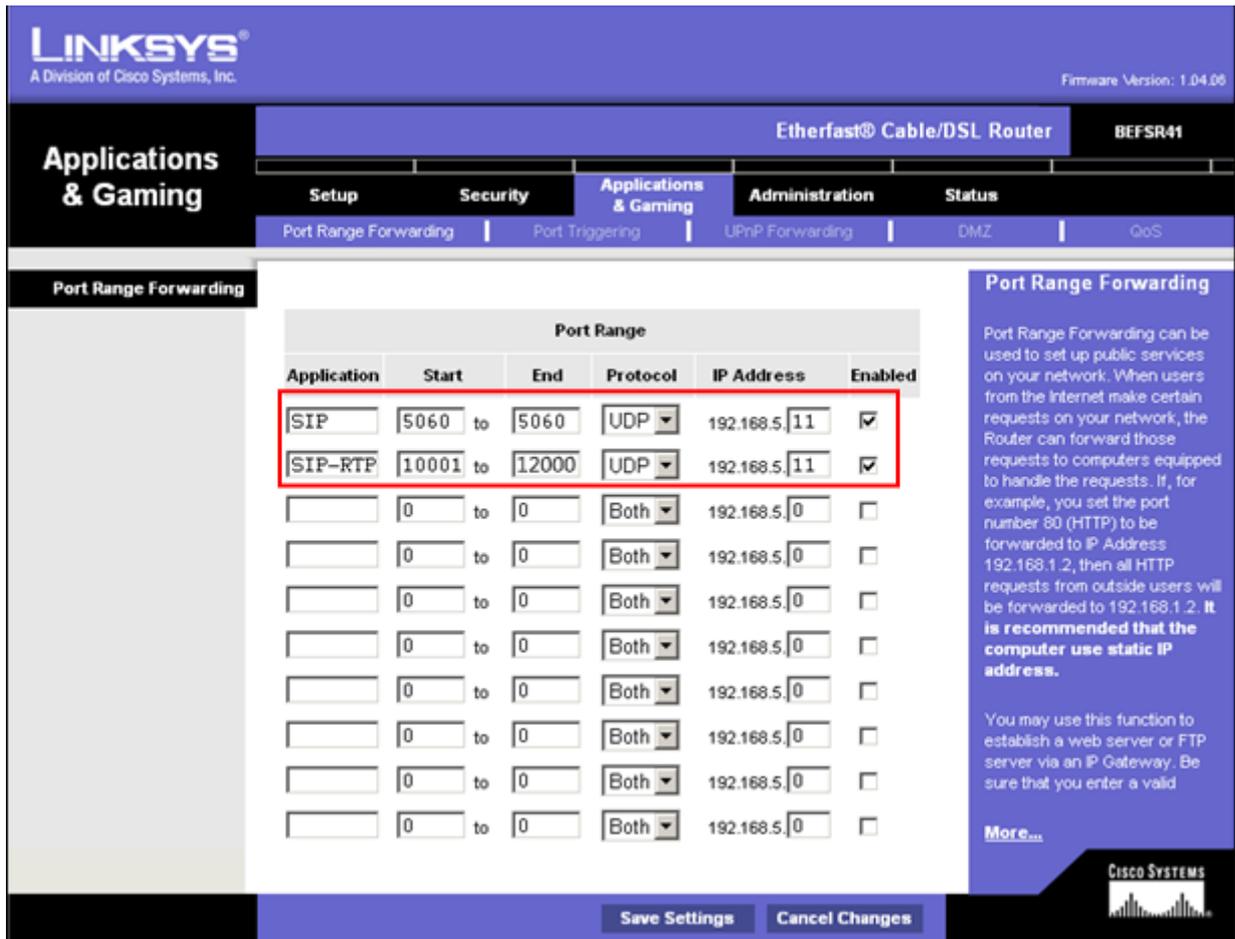


Figure 1

**Step 2** Configure NAT settings in MyPBX.

MyPBX -> SIP Settings -> NAT, configure the NAT settings according to below page.

**External IP:** your router's public IP address

**External Host:**

**External refresh:**

**Local Network Address:** 192.168.5.0/255.255.255.0 (change this according to your network configuration)

**NAT mode:** Yes

**Allow RTP Reinvite:** No

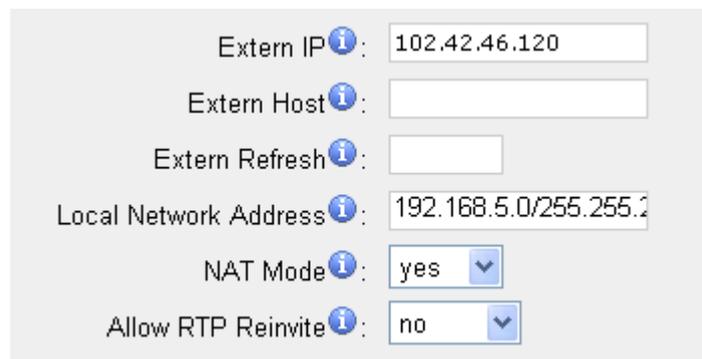


Figure 2-6

**Step 3** Setup up an extension in MyPBX (e.g.:509).

### General

Type: SIP;

Extension: 509; Phone number of this extension

Password: 509;

Name: 509;

Caller ID: 509;

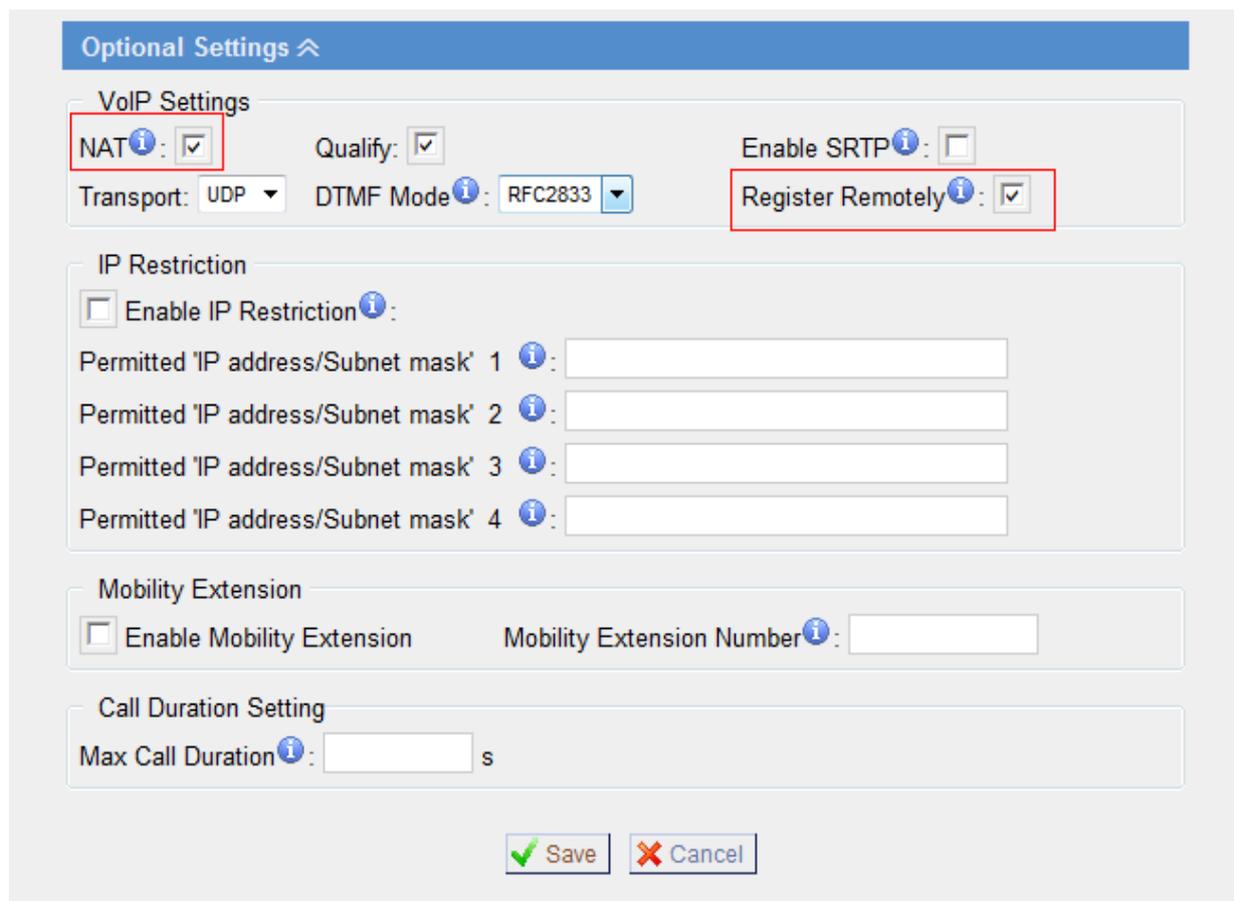
### VoIP Settings

NAT: yes

**Note:** please enable NAT.

Register Remotely: yes

**Note:** If the firmware version number of MyPBX is greater than or equal to X.17.X.X, there should be this option in the extension edit page.



The screenshot shows the 'Optional Settings' section of the MyPBX extension configuration page. The 'VoIP Settings' section is expanded, and the 'NAT' and 'Register Remotely' checkboxes are checked and highlighted with red boxes. Other options like 'Enable SRTP' and 'Transport' are also visible.

**Optional Settings** ⤴

**VoIP Settings**

NAT *i*:       Qualify:       Enable SRTP *i*:

Transport: UDP ▾      DTMF Mode *i*: RFC2833 ▾      Register Remotely *i*:

**IP Restriction**

Enable IP Restriction *i*:

Permitted 'IP address/Subnet mask' 1 *i*:

Permitted 'IP address/Subnet mask' 2 *i*:

Permitted 'IP address/Subnet mask' 3 *i*:

Permitted 'IP address/Subnet mask' 4 *i*:

**Mobility Extension**

Enable Mobility Extension      Mobility Extension Number *i*:

**Call Duration Setting**

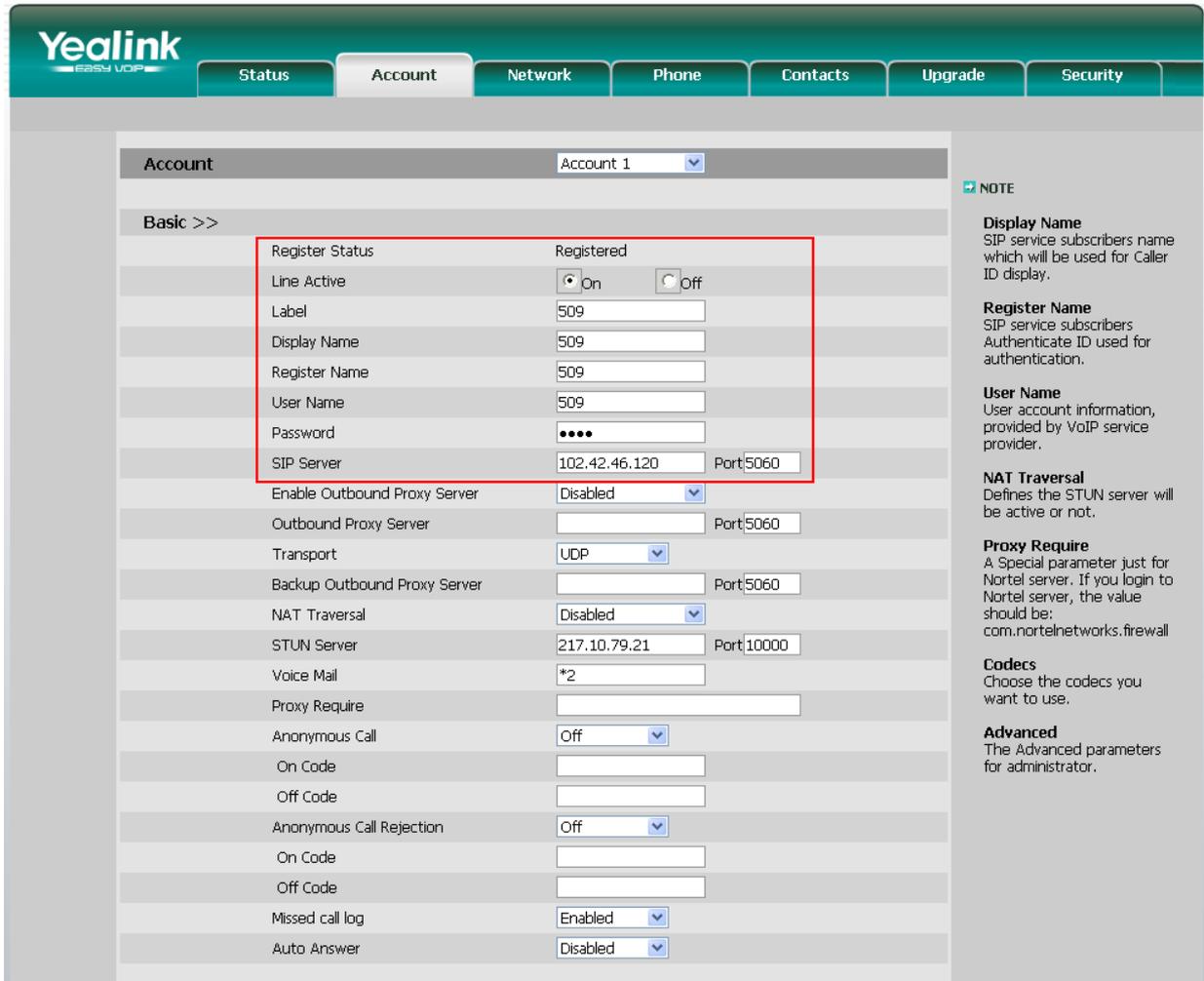
Max Call Duration *i*:  s

Figure 2

**Step 4:** Set up IP Phone register to 509 extension. (e.g.: Yealink IP Phone)

If connect correctly, the Register status will be become "Registered".



Account		Account 1	
<b>Basic &gt;&gt;</b>			
Register Status	Registered		
Line Active	<input checked="" type="radio"/> On <input type="radio"/> Off		
Label	509		
Display Name	509		
Register Name	509		
User Name	509		
Password	••••		
SIP Server	102.42.46.120	Port	5060
Enable Outbound Proxy Server	Disabled		
Outbound Proxy Server		Port	5060
Transport	UDP		
Backup Outbound Proxy Server		Port	5060
NAT Traversal	Disabled		
STUN Server	217.10.79.21	Port	10000
Voice Mail	*2		
Proxy Require			
Anonymous Call	Off		
On Code			
Off Code			
Anonymous Call Rejection	Off		
On Code			
Off Code			
Missed call log	Enabled		
Auto Answer	Disabled		

**NOTE**

**Display Name**  
SIP service subscribers name which will be used for Caller ID display.

**Register Name**  
SIP service subscribers Authenticate ID used for authentication.

**User Name**  
User account information, provided by VoIP service provider.

**NAT Traversal**  
Defines the STUN server will be active or not.

**Proxy Require**  
A Special parameter just for Nortel server. If you login to Nortel server, the value should be: com.nortelnetworks.firewall

**Codecs**  
Choose the codecs you want to use.

**Advanced**  
The Advanced parameters for administrator.

Figure 3

<Finish>