



Configuration Guide

for Yealink

IP Phone & Epygi PBX

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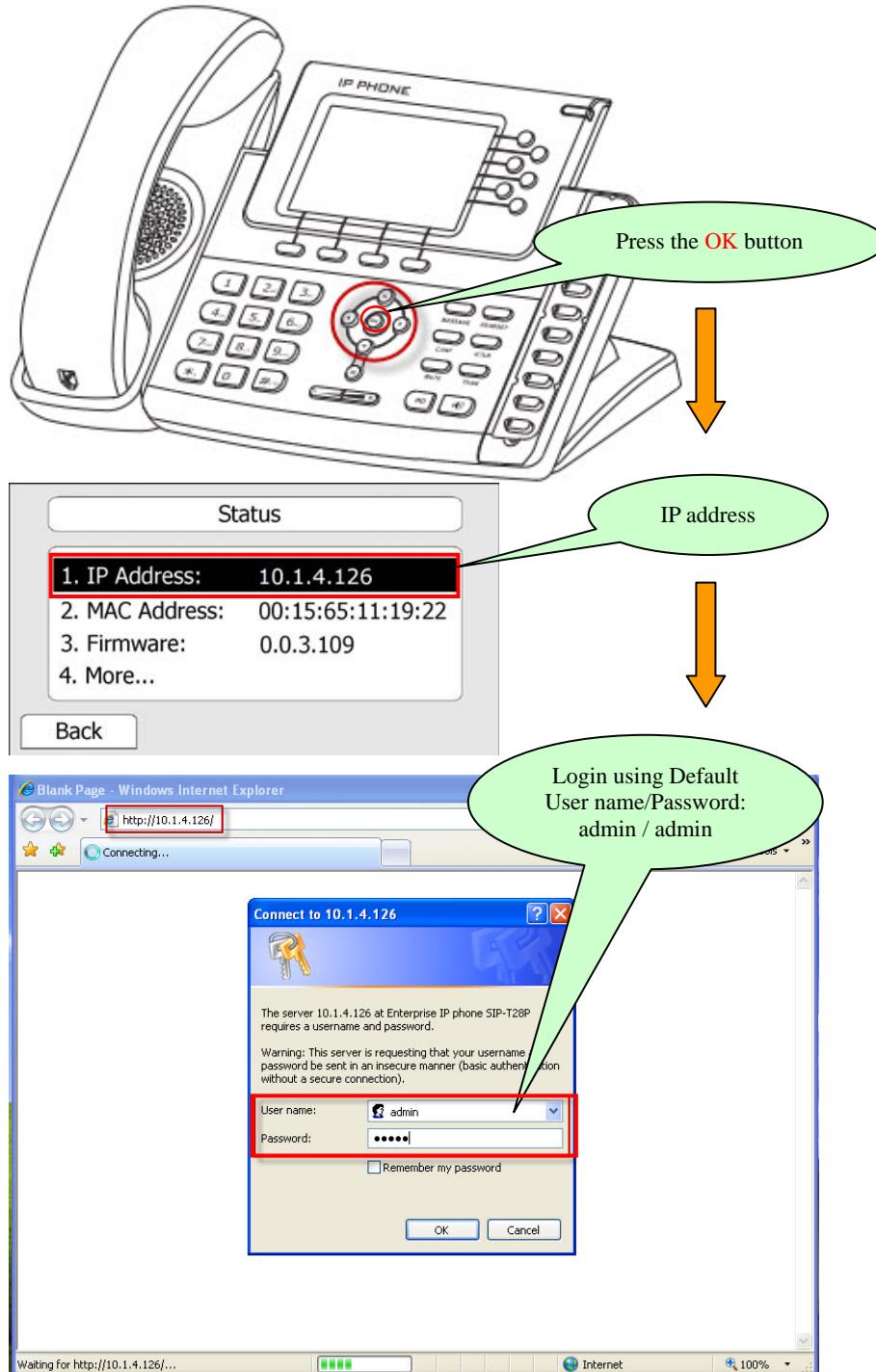
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1. Requirements and Preparation

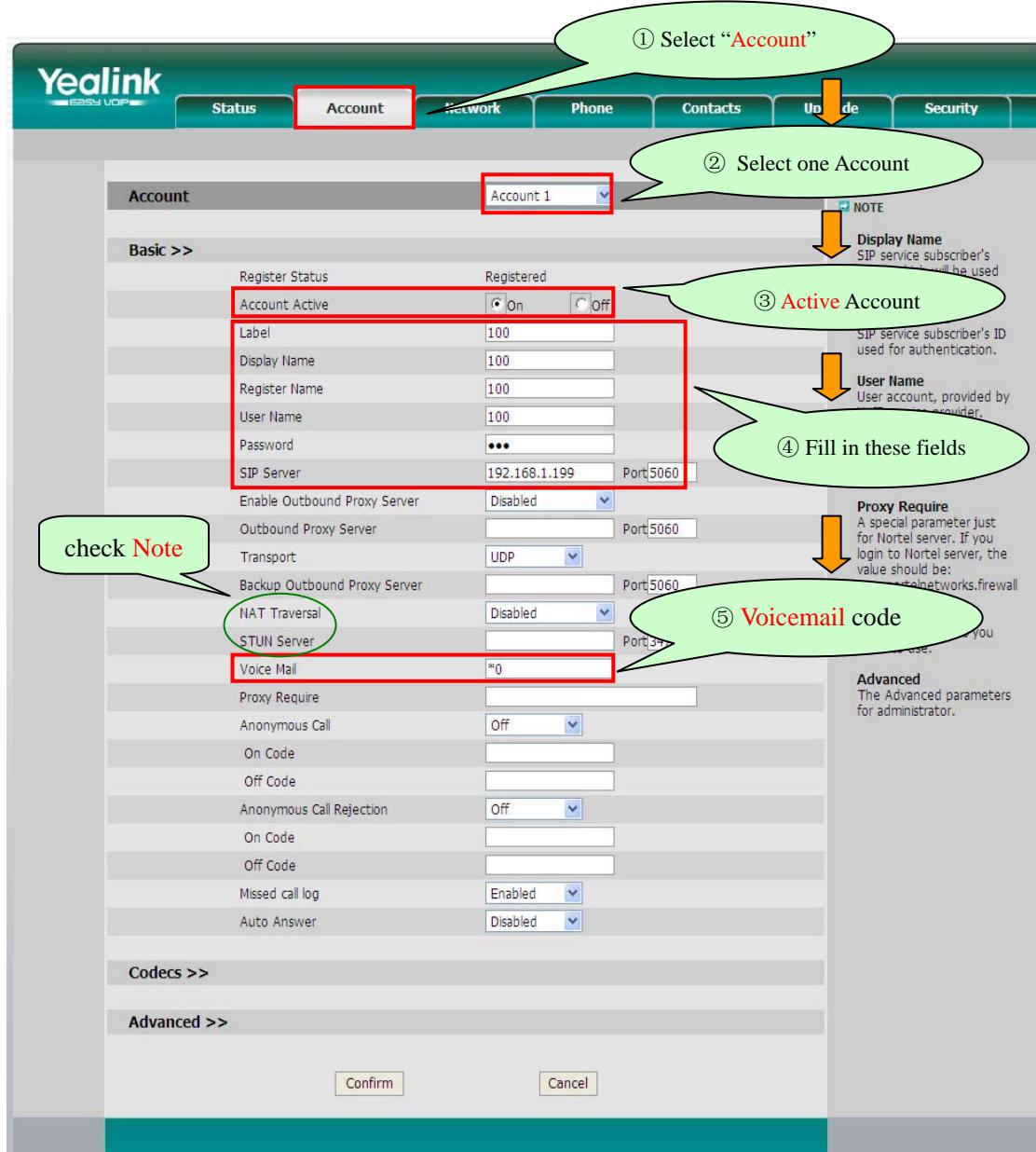
- Software image 5.1.x or higher running on the Quadro2x/4x/16x.
- Software image x.42.x.x or higher running on the Yealink IP Phone.

2. Configure Yealink IP Phone

2.1 Login to WEB management



2.2 Configure the Account Settings



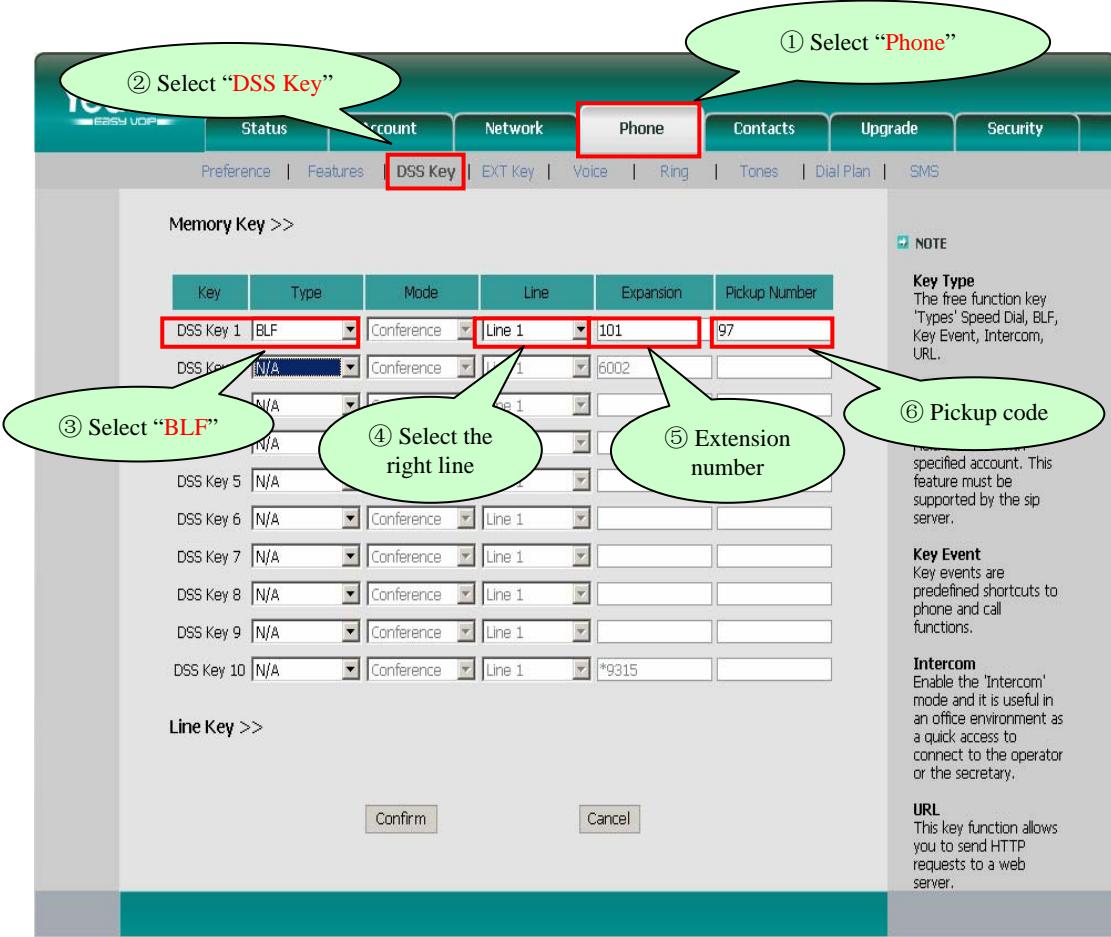
After entering the above settings, Account1 will be available to make calls.

Note : If the SIP server is behind a NAT, you should enable “NAT Traversal” as “STUN” and then specify a STUN Server. For more details about STUN, please refer to

<http://www.voip-info.org/wiki/view/STUN>. To learn about NAT, you should refer to

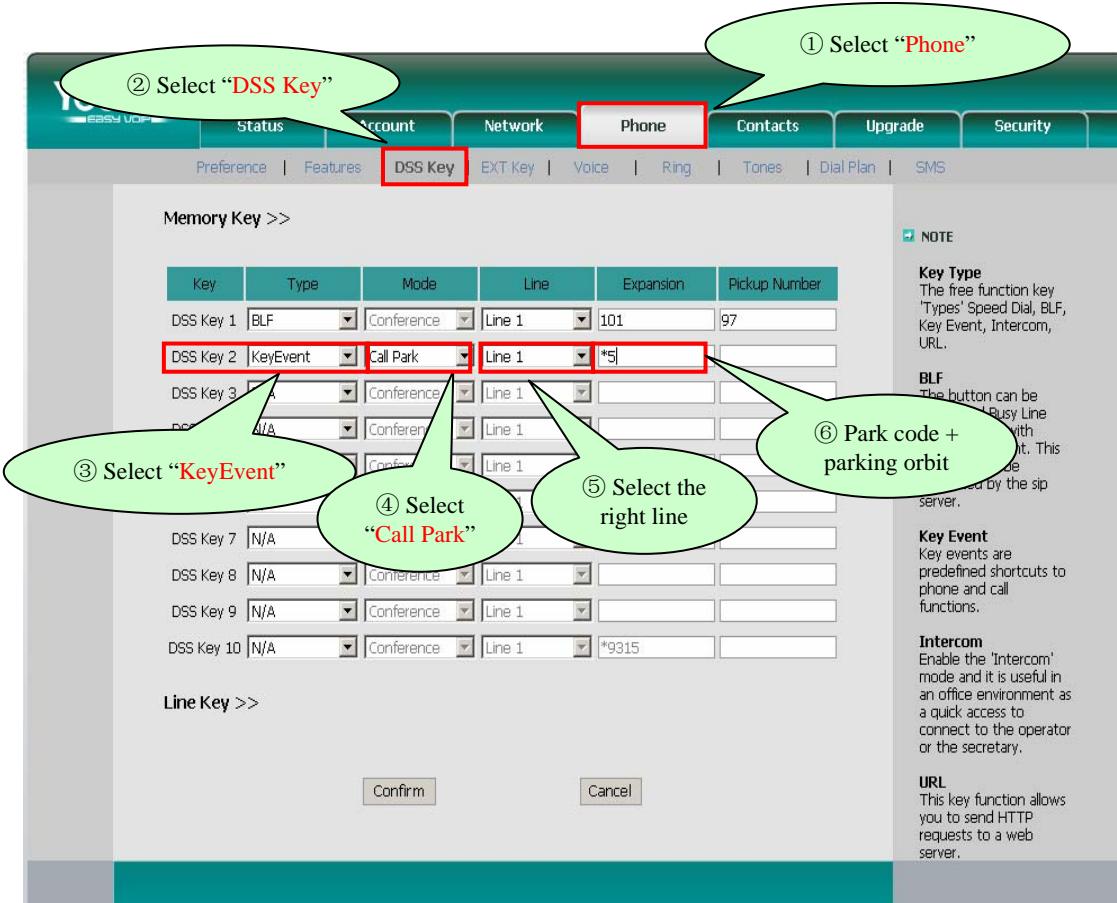
<http://www.voip-info.org/wiki/view/NAT+and+VOIP>

2.3 Configure the DSS Key as BLF



After entering the above settings, DSS Key1 is ready as BLF for Line 1, monitoring Extension 101. When there's an incoming call on 101, DSS Key1 will flash red and you can directly press it to pick up the call.

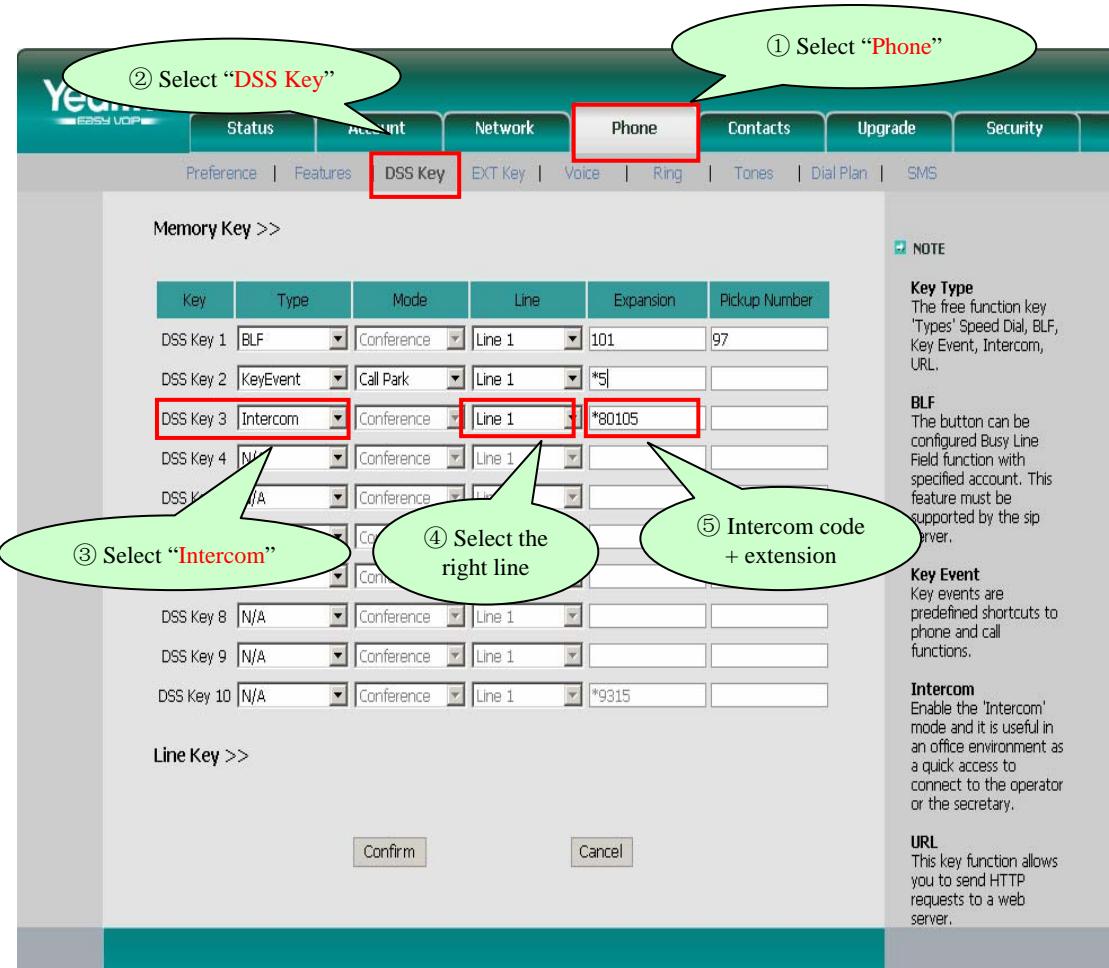
2.4 Configure the DSS Key as Call Park



After entering the above settings, DSS Key2 is ready as Call Park for Line1.

An active call can be parked by pressing DSS Key2 during your conversation.

2.5 Configure the DSS Key as Intercom



After entering the above settings, DSS Key3 will work as an Intercom key with Line1

3. Auto-configure the Yealink Phone by the Epygi Server

Auto-configuration is the recommended setup method.

This section provides step-by-step instructions on configuring IP lines connected to the Quadro LAN. The following steps are detailed below:

3.1 Login to Epygi

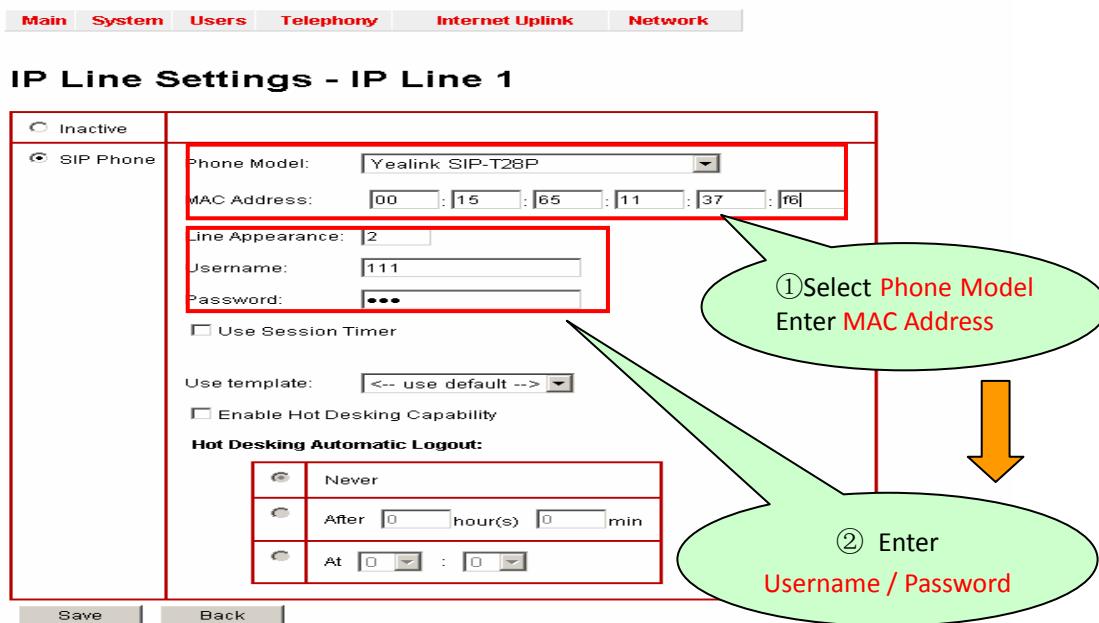
Refer to section 4.1

3.2 Configure an Extension

Refer to section 4.2

3.3 Configure the Attached IP line

Login IP Line Settings page (Refer to section 4.3)



Main System Users Telephony Internet Uplink Network

IP Line Settings - IP Line 1

<input type="radio"/> Inactive							
<input checked="" type="radio"/> SIP Phone	Phone Model: Yealink SIP-T28P MAC Address: 00 : 15 : 65 : 11 : 37 : fe Line Appearance: 12 Username: 111 Password: *** <input type="checkbox"/> Use Session Timer Use template: <- use default --> <input type="checkbox"/> Enable Hot Desking Capability Hot Desking Automatic Logout: <table border="1"> <tr> <td><input type="radio"/></td> <td>Never</td> </tr> <tr> <td><input type="radio"/></td> <td>After 0 hour(s) 0 min</td> </tr> <tr> <td><input type="radio"/></td> <td>At 0 : 0</td> </tr> </table>	<input type="radio"/>	Never	<input type="radio"/>	After 0 hour(s) 0 min	<input type="radio"/>	At 0 : 0
<input type="radio"/>	Never						
<input type="radio"/>	After 0 hour(s) 0 min						
<input type="radio"/>	At 0 : 0						

Save | Back |

① Select Phone Model Enter MAC Address

② Enter Username / Password

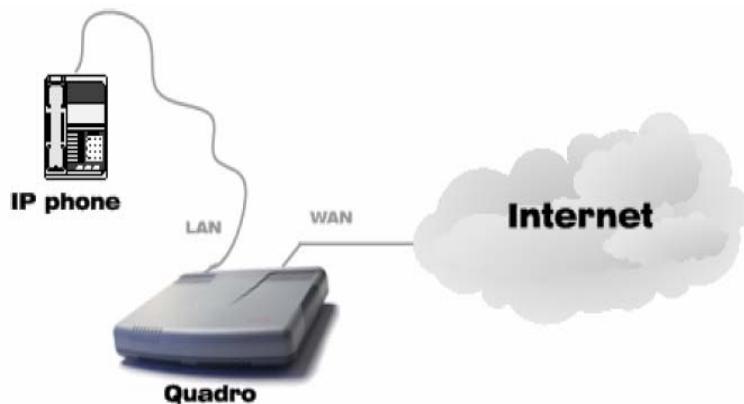
Note: Phone Model Yealink SIP-T28 in example, the MAC address of Yealink SIP-T28 bind to IP Line 1, Quadro generates a configuration file and places it in its built-in TFTP server.

3.4 IP Phone Configuration

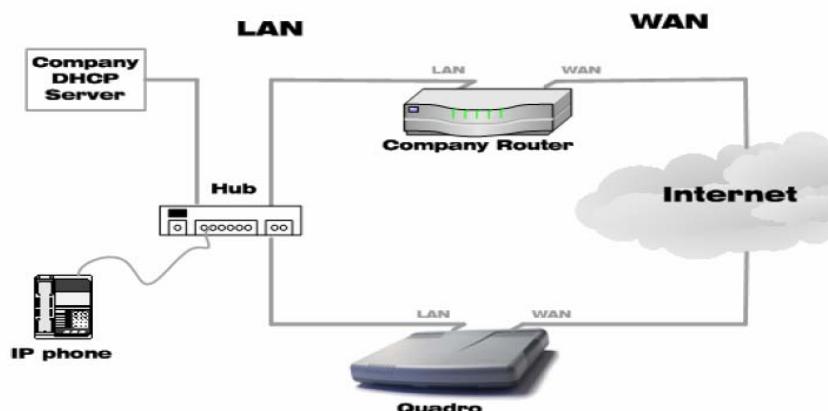
The next step in auto-configuration is to notify the IP phone to download its configuration file(s) from the Quadro's TFTP. This means the phone should have the Quadro LAN address as its boot server (TFTP server) address. The configuration varies depending on whether the IP phone is using the Quadro as the DHCP server or not:

1. The IP phone is using the Quadro as its DHCP server, it will obtain the basic network parameters from the Quadro. These parameters include also the TFTP server address set to the Quadro LAN address (by default 172.30.0.1). The only required step in this case is to reboot/reset the phone to initiate configuration file download (see figure 5).

note: This is the recommended configuration for IP phone setup.



2. The IP phone is using a DHCP server other than the Quadro's built-in DHCP, the user needs to configure the DHCP server to notify the phone the location of the TFTP server, which is the Quadro. An example of such network configuration is shown in the figure below. Here the LAN of the Quadro, the dedicated DHCP server, and the IP phone are on the same subnet (figure 6).



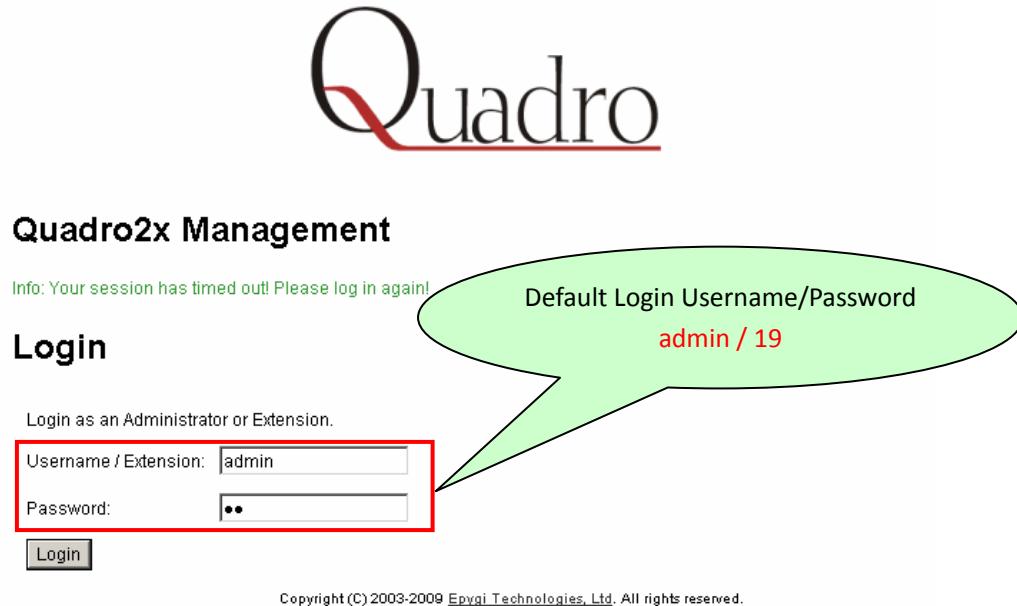
3.5 Reset and Restart the Phone to Complete the Automatic Configuration

- Restore the default configuration of the phone by performing a reset.
- Reboot the phone to initiate file download.

After reboot, the account is automatically configured to the phone.

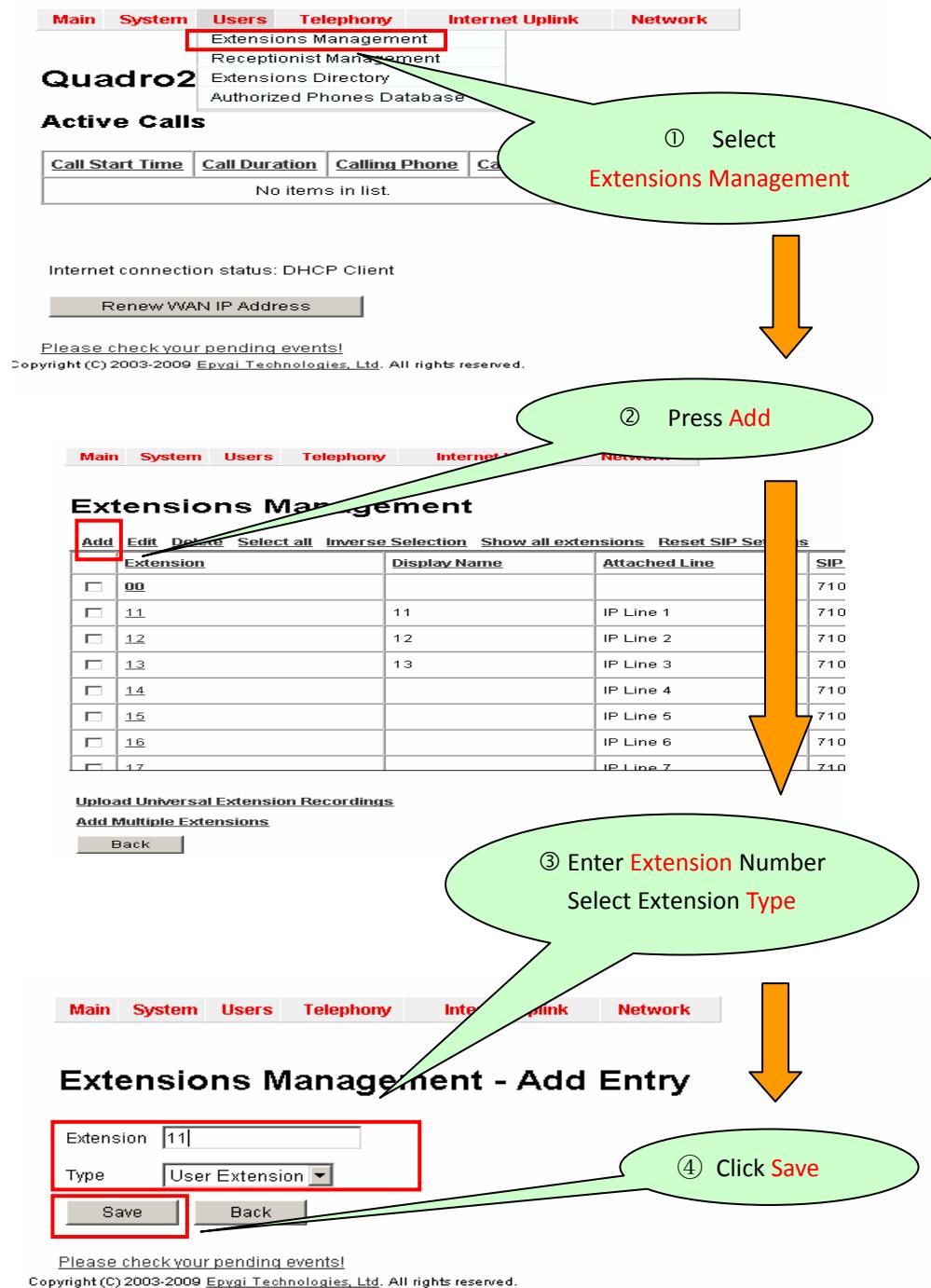
4. Configure Epygi

4.1 Login to Epygi



4.2 Configure an Extension on Epygi

4.2.1 Add an extension



4.2.2 Attach an Extension to IP Line

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Extensions Management

Extension	Display Name	Attached Line	SIP Address
00			71043
11	11	IP Line 1	71043
12	12	IP Line 2	71043
13	13	IP Line 3	71043
14		IP Line 4	
15		IP Line 5	
16		IP Line 6	
17		IP Line 7	

① Select an Extension 11

Upload Universal Extension Recordings

Add Multiple Extensions

Back

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Extensions Management - Edit Entry

General Settings SIP Settings SIP Advanced Settings Remote Settings Call Queue Settings Voice Mailbox Settings Check note Go To User Settings Go To Line Settings	General Settings - 11 Display Name Password Confirm Password Attached Line <input style="border: 1px solid red;" type="button" value="IP Line 1"/> <input checked="" type="checkbox"/> Use Kickback <input type="checkbox"/> Allow Call Relay <input type="checkbox"/> Show on Public Directory Percentage of Total Memory <input type="button" value="1 %"/> <input type="button" value="Save"/> <input type="button" value="Back"/>
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② Select an IP line to attach to the Extension

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Extensions Management - Edit Entry

General Settings SIP Settings SIP Advanced Settings Remote Settings Call Queue Settings Voice Mailbox Settings Go To User Settings Go To Line Settings	Voice Mailbox Settings - 11 <input checked="" type="radio"/> Disable Voice Mail <input checked="" type="radio"/> Use Internal Voice Mail Configuration wizard status: Passed Shared Mailbox: Edit Voice Mailbox Access List <input type="button" value="Reactivate"/> <input type="radio"/> Use External Voice Mail <div style="border: 1px solid red; padding: 5px;"> <input checked="" type="radio"/> Proxy Controlled Mailbox Type Voice Mail Retrieve SIP URI <input type="text"/> <input checked="" type="radio"/> Independent Mailbox Type Mailbox URI <input type="text"/> </div> <div style="margin-top: 10px;"> Transport Protocol for SIP messages <input checked="" type="radio"/> UDP <input type="radio"/> TCP </div>
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③ Active VoiceMail

Note: Percentage of Total Memory setting must be configured, or it will affect the use of voice mail etc.

4.3 Configure IP Line

① Select Line Settings

② Select IP Line Settings
Click IP Line1

③ Select Phone Model

④ Enter Username and Password

Note: Here the Username and Password is the register Username and Password.

Appendix

1. Default Basic Dial Code on Epygi System

Voice Mail (VMail)	*0
Call Park	*5
Callpark Retrieve	98
Intercom	*80

Reference

- ◆ www.epygi.com
- ◆ www.yealink.com