

Configuration Guide for Yealink IP Phone & Elastix PBX

Contents

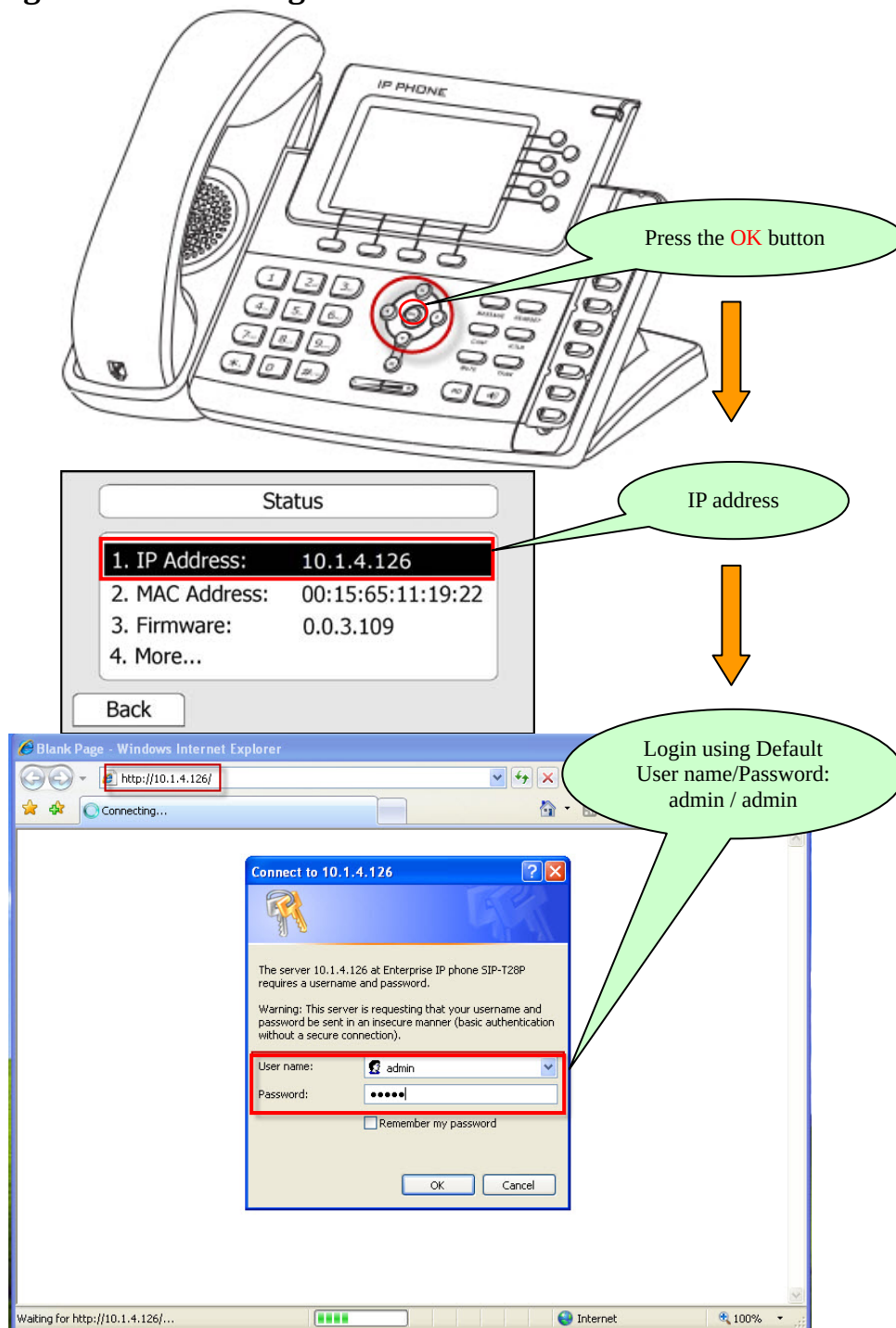
1. Requirements and Preparation	2
2. Configure Yealink IP Phone	2
2.1 Login to WEB management	2
2.2 Configure the Account Settings	3
2.3 Configure the DSS Key as BLF	4
2.4 Configure the DSS Key as Call Park	5
2.5 Configure the DSS Key as Intercom	6
3. Auto-configure Yealink Phone	6
4. Configure Elastix	7
4.1 Login to Elastix	7
4.2 Add an Extension	7
4.3 Configure Parking Lot.....	10
Appendix.....	11
Reference	11

1. Requirements and Preparation

- Elastix Software 1.6 or higher .
- 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

The screenshot shows the 'Account' configuration page in the Yealink Easy VoIP interface. The 'Account' tab is selected. A dropdown menu shows 'Account 1' selected. The 'Basic >>' section is expanded, showing various fields. A red box highlights the 'Account Active' checkbox (checked), 'Label' (100), 'Display Name' (100), 'Register Name' (100), 'User Name' (100), 'Password' (masked), and 'SIP Server' (192.168.1.199). A green bubble with 'check Note' points to the 'NAT Traversal' dropdown (set to 'Disabled'). Other fields include 'SIP Port' (5060), 'Outbound Proxy Server', 'Transport' (UDP), 'Backup Outbound Proxy Server', 'STUN Server', 'Voice Mail' (*97), 'Proxy Require', 'Anonymous Call' (Off), 'On Code', 'Off Code', 'Anonymous Call Rejection' (Off), 'Missed call log' (Enabled), and 'Auto Answer' (Disabled). The 'Advanced >>' section is collapsed. Callouts 1-5 are as follows:

- ① Select "Account"
- ② Select one Account
- ③ Active Account
- ④ Fill in these fields
- ⑤ Voicemail code

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

① Select "Phone"

② Select "DSS Key"

③ Select "BLF"

④ Select the right line

⑤ Extension number

⑥ Pickup code

Key	Type	Mode	Line	Expansion	Pickup Number
DSS Key 1	BLF	Conference	Line 1	101	*8
DSS Key 2	Event	Call Park	Line 1	70	
DSS Key 3	Event	Call Park	Line 1	*801051	
DSS Key 4	N/A				
DSS Key 5	N/A				
DSS Key 6	N/A	Conference	Line 1		
DSS Key 7	N/A	Conference	Line 1		
DSS Key 8	N/A	Conference	Line 1		
DSS Key 9	N/A	Conference	Line 1		
DSS Key 10	N/A	Conference	Line 1	*9315	

NOTE

Key Type
The free function key 'Types' Speed Dial, BLF, Key Event, Intercom, URL.

Key Event
Key events are predefined shortcuts to phone and call functions.

Intercom
Enable the 'Intercom' mode and it is useful in an office environment as a quick access to connect to the operator or the secretary.

URL
This key function allows you to send HTTP requests to a web server.

Confirm Cancel

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

① Select "Phone"

② Select "DSS Key"

③ Select "KeyEvent"

④ Select "Call Park"

⑤ Select the right line

⑥ Park code + parking orbit

Key	Type	Mode	Line	Expansion	Pickup Number
DSS Key 1	BLF	Conference	Line 1	101	*8
DSS Key 2	KeyEvent	Call Park	Line 1	70	
DSS Key 3	Intercom	Conference	Line 1	*80105	
DSS Key 4		Conference	Line 1		
DSS Key 5		Conference	Line 1		
DSS Key 6	N/A		Line 1		
DSS Key 7	N/A		Line 1		
DSS Key 8	N/A	Conference	Line 1		
DSS Key 9	N/A	Conference	Line 1		
DSS Key 10	N/A	Conference	Line 1	*9315	

NOTE

Key Type
The free function key 'Types' Speed Dial, BLF, Key Event, Intercom, URL.

BLF
The button can be used to indicate a Busy Line with a light. This can be supported by the sip server.

Key Event
Key events are predefined shortcuts to phone and call functions.

Intercom
Enable the 'Intercom' mode and it is useful in an office environment as a quick access to connect to the operator or the secretary.

URL
This key function allows you to send HTTP requests to a web server.

Confirm Cancel

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

① Select "Phone"

② Select "DSS Key"

③ Select "Intercom"

④ Select the right line

⑤ Intercom code + extension

Key	Type	Mode	Line	Expansion	Pickup Number
DSS Key 1	BLF	Conference	Line 1	101	*8
DSS Key 2	KeyEvent	Call Park	Line 1	70	
DSS Key 3	Intercom	Conference	Line 1	*80105	
DSS Key 4		Conference	Line		
DSS Key 5		Conference	Line		
DSS Key 6		Conference	Line		
DSS Key 7	N/A	Conference	Line		
DSS Key 8	N/A	Conference	Line 1		
DSS Key 9	N/A	Conference	Line 1		
DSS Key 10	N/A	Conference	Line 1	*9315	

Line Key >>

Confirm Cancel

NOTE

Key Type
The free function key 'Types' Speed Dial, BLF, Key Event, Intercom, URL.

BLF
The button can be configured Busy Line Field function with specified account. This feature must be supported by the sip server.

Key Event
Key events are predefined shortcuts to phone and call functions.

Intercom
Enable the 'Intercom' mode and it is useful in an office environment as a quick access to connect to the operator or the secretary.

URL
This key function allows you to send HTTP requests to a web server.

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

3. Auto-configure Yealink Phone

Please refer to Yealink Document [Auto Provision Manual](http://www.yealink.com/fae/Auto Provision Manual.rar):
<http://www.yealink.com/fae/Auto Provision Manual.rar>

4. Configure Elastix

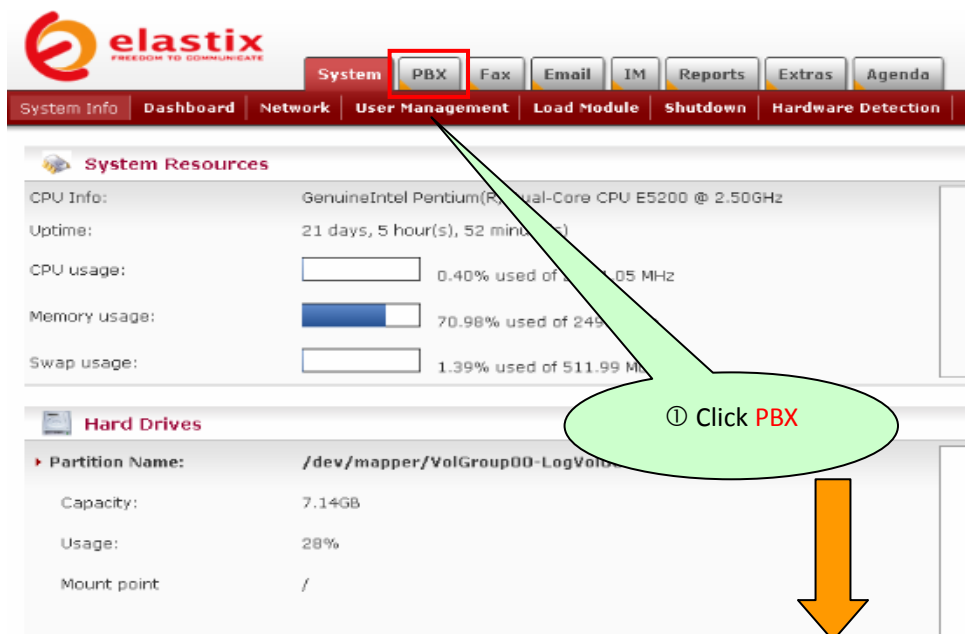
4.1 Login to Elastix



The image shows the Elastix login page. At the top, there is a red banner with the text "» Welcome to Elastix". Below the banner, it says "Please enter your username and password". There are two input fields: "Username:" with the text "admin" and "Password:" with masked characters. A red rectangle highlights these two fields. Below the fields is a "Submit" button. A green speech bubble points to the login area with the text "Default Username/PWD admin/palosanto".

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4.2 Add an Extension



elastix
FREEDOM TO COMMUNICATE

System PBX Fax Email IM Reports Extras Agenda

PBX Configuration Flash Operator Panel Voicemails Monitoring Endpoint Configuration Conference

Option
Unembedded freePBX

Basic
Extensions
Feature Codes
General Settings
Outbound Routes
Trunks

Inbound Call Control
Inbound Routes
Announcements
Follow Me
IVR
Misc Destinations
Queues
Ring Groups
Time Conditions

Internal Options & Configuration
Conferences
Misc Applications
Music on Hold
PIN Sets
Paging and Intercom
Parking Lot

Add an Extension

Please select your Device below then click Submit

Device

Submit

② Click **Submit**

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Time Conditions

Internal Options & Configuration
Conferences
Misc Applications
Music on Hold
PIN Sets
Paging and Intercom
Parking Lot
System Recordings

Remote Access
Callback
DISA

Add SIP Extension

Add Extension

User Extension

Display Name

CID Num Alias

SIP Alias

Extension Options

Outbound CID

Ring Time

Call Waiting

Call Screening

Emergency CID

Assigned DID/CID

DID Description

Add Inbound DID

Add Inbound CID

Device Options

This device uses sip technology

secret

dtmfmode

③ Enter **Extension** number / **Display Name**

④ Enter **secret** number

Voicemail & Directory

Status	Enabled
Voicemail Password	201
Email Address	
Pager Email Address	
Email Attachment	☒ yes ☐ no
Play CID	☒ yes ☐ no
Play Envelope	☐ yes ☒ no
Delete Voicemail	☐ yes ☒ no
VM Options	
VM Context	default
VmX Locator	

VmX Locator™	Enabled
Use When:	☒ unavailable ☒ busy
Voicemail Instructions:	☒ Standard voicemail pri

Press 0:		☒ Go To Operator
Press 1:		
Press 2:		
Submit		

⑤ Enabled Voicemail
enter VoiceMail PWD

⑥ Select Yes

⑦ Select and Tick

⑧ Click Submit
to save

4.3 Configure Parking Lot

elastix
FREEDOM TO COMMUNICATE

System PBX Fax Email IM Reports Extras Agenda

PBX Configuration Flash Operator Panel Voicemails Monitoring Endpoint Configuration Conference

Option
Unembedded freePBX
Basic
Extensions
Feature Codes
General Settings
Outbound Routes
Trunks
Inbound Call Control
Inbound Routes
Announcements
Follow Me
IVR
Misc Destinations
Queues
Ring Groups
Time Conditions
Internal Options Configuration
Conference
Misc Applications
Music on Hold
PIN Sets
Paging and Intercom
Parking Lot
System Recordings

Parking Lot Configuration

Parking Lot Options

Enable Parking Lot Feature ☒

Parking Lot Extension: 70

Number of Slots: 5

Parking Timeout: 45 seconds

Parking Lot Context: parkedcalls

Destination for Timed-Out Orphaned Calls:

Alert-Info:

AND Prepend:

Announcement: None

Destination for Orphaned Parked Calls:

☐ Queues: yealink queue <9999>

☐ Ring Groups: Ring Group <600>

☐ Terminate Call: Hangup

☒ Extensions: <201> 201

☐ Voicemail: <201> 201 (busy)

☐ Conferences: 8888 <8888>

☐ Phonebook Directory: Phonebook Directory

☐ IVR: yealink-IVR

① Select Parking Lot

② Enable Parking Lot Feature
Enter Parking Lot Extension

Appendix

1. Default Basic Dial Code on Elastix System

Voice Mail (VMail)	*97
Call Park	70
Callpark Retrieve	71
Intercom	*80

Reference

- ◆ www.elastix.org
- ◆ www.yealink.com
- ◆ <http://en.wikipedia.org/wiki/Elastix>