

Configuration Guide for Yealink IP Phone & Trixbox PBX

Contents

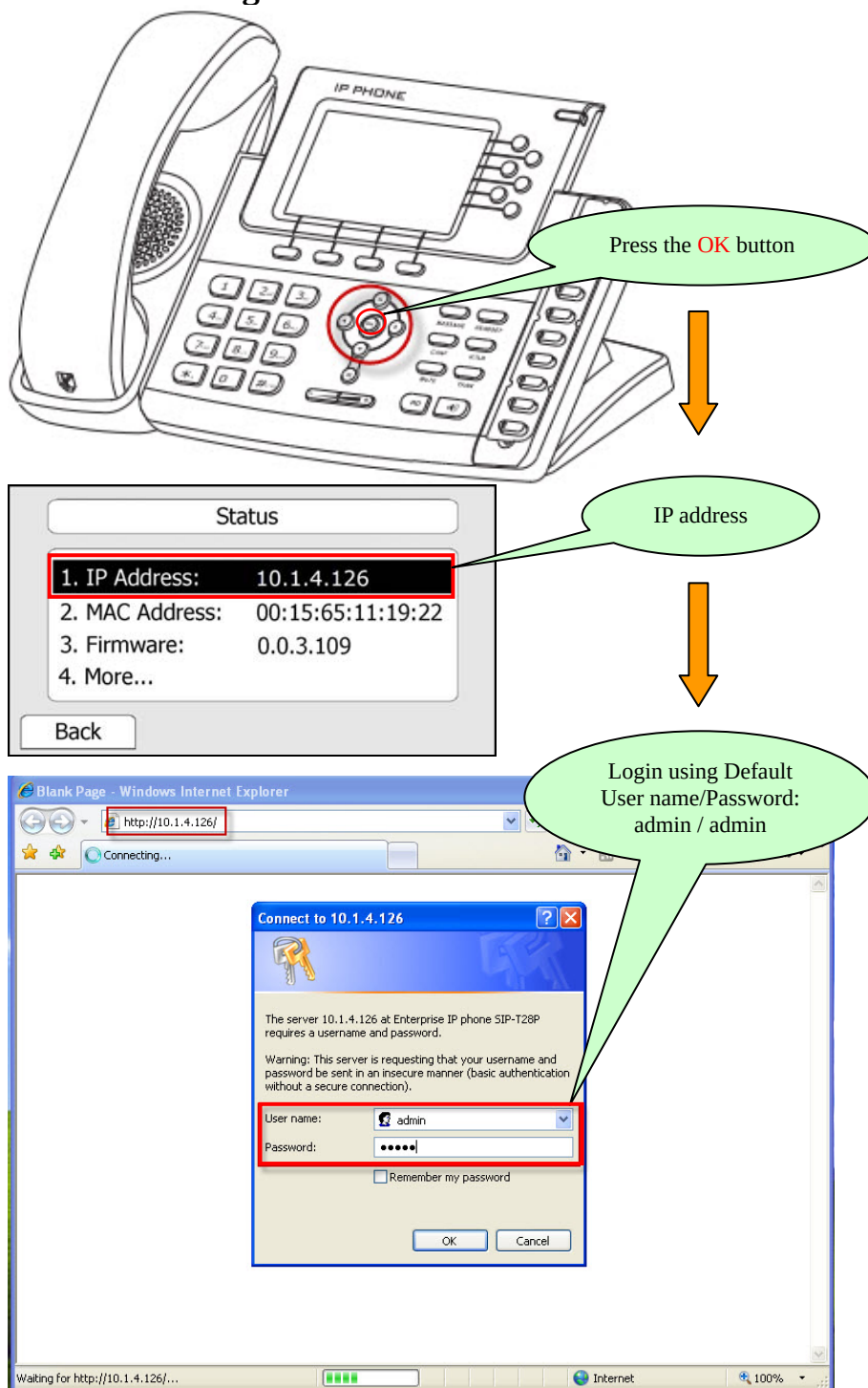
1. Requirements and Preparation	2
2. Configure Yealink IP Phone	2
2.1 Login to WEB management	2
2.2 Configure the Account Settings	3
2.3 Configure the DSS Key as BLF	4
2.4 Configure the DSS Key as Call Park	5
2.5 Configure the DSS Key as Intercom	6
3. Auto-configure Yealink Phone	6
4. Configure Trixbox.....	7
4.1 Login to Trixbox	7
4.2 Configure an Extension.....	8
4.3 Configure Parking Lot.....	10
Appendix.....	11
Reference	11

1. Requirements and Preparation

- Trixbox Software 2.6.x.x 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

① Select "Account"

② Select one Account

③ Active Account

④ Fill in these fields

⑤ Voicemail code

check Note

Account

Account 1

Basic >>

Register Status: Registered

Account Active: ☒ On ☐ Off

Label: 100

Display Name: 100

Register Name: 100

User Name: 100

Password: ...

SIP Server: 192.168.1.199 Port: 5060

Enable Outbound Proxy Server: Disabled

Outbound Proxy Server: Port: 5060

Transport: UDP

Backup Outbound Proxy Server: Port:

NAT Traversal: Disabled

STUN Server: Port:

Voice Mail: *97

Proxy Require:

Anonymous Call: Off

On Code:

Off Code:

Anonymous Call Rejection: Off

On Code:

Off Code:

Missed call log: Enabled

Auto Answer: Disabled

Codescs >>

Advanced >>

Confirm Cancel

Note
SIP service subscriber's ID used for authentication.

Proxy Require
A special parameter just for Nortel server. If you login to Nortel server, the server will be active or not.

Advanced
The Advanced parameters for administrator.

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	Key Event	Call Park	Line 1	70	
DSS Key 3	Intercom	Conference	Line 1	*80105	
DSS Key 4	N/A	Conference	Line 1		
DSS Key 5	N/A	Conference	Line 1		
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		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 configured Busy Line function with account. This 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.

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	N/A	Conference	Line 1		
DSS Key 5	N/A	Conference	Line 1		
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	

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.

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.

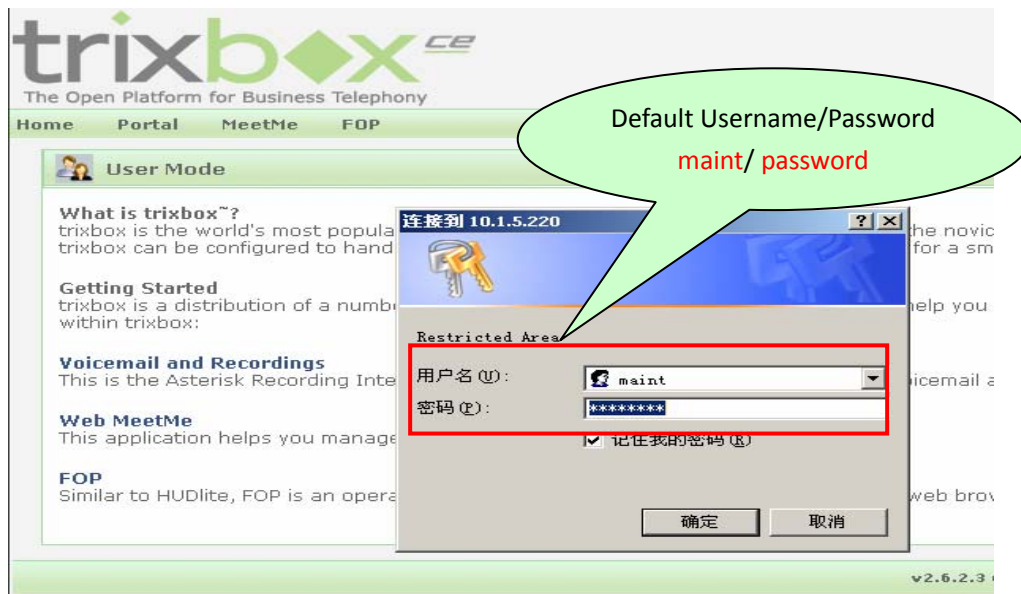
After entering the above settings, DSS Key3 will work as an Intercom key with Line1.

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 Trixbbox

4.1 Login to Trixbbox



4.2 Configure an Extension

The first screenshot shows the trixbox CE web interface. The left sidebar menu has 'Extensions' highlighted with a red box. A green callout bubble with the text '① Select Extensions' points to this menu item. The main content area shows 'System Status' with sections for Notices, Statistics, and Uptime. An orange arrow points from the 'Extensions' menu item to the second screenshot.

The second screenshot shows the 'Add an Extension' page. The left sidebar menu has 'Extensions' highlighted with a red box. A green callout bubble with the text '② Click Submit' points to the 'Submit' button at the bottom of the form. The form includes a 'Device' dropdown menu currently set to 'Generic SIP Device'. An orange arrow points from the 'Submit' button to the text 'Click Submit' in the callout bubble.

trixbox CE
The Open Platform for Business Telephony

System Status Packages PBX System Settings Help
Admin Reports Panel Recordings Help

Setup Tools | Admin

System Status
Module Admin
Basic
Extensions
Feature Codes
General Settings
Outbound Routes
Support
Trunks
Administrators
Inbound Call Control
Inbound Routes
Zap Channel DIDs
Announcements
Blacklist
CallerID Lookup Sources
Day/Night Control
Follow Me
IVR
Queues
Ring Groups
Time Conditions
Time Groups
Internal Options & Configuration
Conferences
DISA
Languages
Music on Hold
PIN Sets
Paging and Intercom
Parking Lot
System Recordings
VoiceMail Blasting

Add SIP Extension

Add Extension

User Extension 201
Display Name 201
CID Num Alias
SIP Alias
Extension Options

Outbound CID
Ring Time Default
Call Waiting Enable
Call Screening Disable
Emergency CID
Assigned DID/CID

DID Description
Add Inbound DID
Add Inbound CID
Device Options

This device uses sip technology
secret 201
dtmfmode rfc2833

Language
Language Code
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: [x] unavailable [x] busy
Voicemail Instructions: [x] Standard voicemail

Press 0: []
Press 1: []
Press 2: []
Submit

③ Enter Extension number / Display Name

④ Enter secret number

⑤ Enabled Voicemail enter VoiceMail PWD

⑥ Select Yes

⑦ Select & Tick

⑧ Click Submit

4.3 Configure Parking Lot

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System Status Packages PBX System Settings Help

Admin Reports Panel Recordings Help

Setup Tools

Admin

System Status

Module Admin

Basic

Extensions

Feature Codes

General Settings

Outbound Routes

Support

Trunks

Administrators

Inbound Call Control

Inbound Routes

Zap Channel DIDs

Announcements

Blacklist

CallerID Lookup

Day/Night Control

Follow Me

IVR

Queues

Ring Groups

Time Conditions

Time Groups

Internal Options Configuration

Conference

DISA

Languages

Music on Hold

PIN Sets

Paging and Intercom

Parking Lot

System Recordings

VoiceMail Blasting

Parking Lot Configuration

Parking Lot Options

Enable Parking Lot Feature ☒

Parking Lot Extension: 70

Number of Slots: 8

Parking Timeout: 15 seconds

Parking Lot Context: adcalls

Actions for Timed-Out Orphans

Parking Alert-Info:

Prepend:

Action for Orphaned Parked Calls:

☐ Ring Groups: Group-test <600>

☐ Phonebook Directory: Phonebook Directory

☐ Queues: Queue-test <9999>

☒ Terminate Call: Hangup

☐ Extensions: <201> 201

☐ Voicemail: <201> 201 (busy)

☐ Conferences: Yealink-conf <8888>

☐ IVR: Yealink

Submit Changes

① Select Parking Lot

② Enable Parking Lot Feature
Enter Parking Lot Extension

Appendix

1. Default Basic Dial Code on Trixbox System

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

Reference

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