

Configuration Guide for Yealink IP Phone & Asterisk PBX

Contents

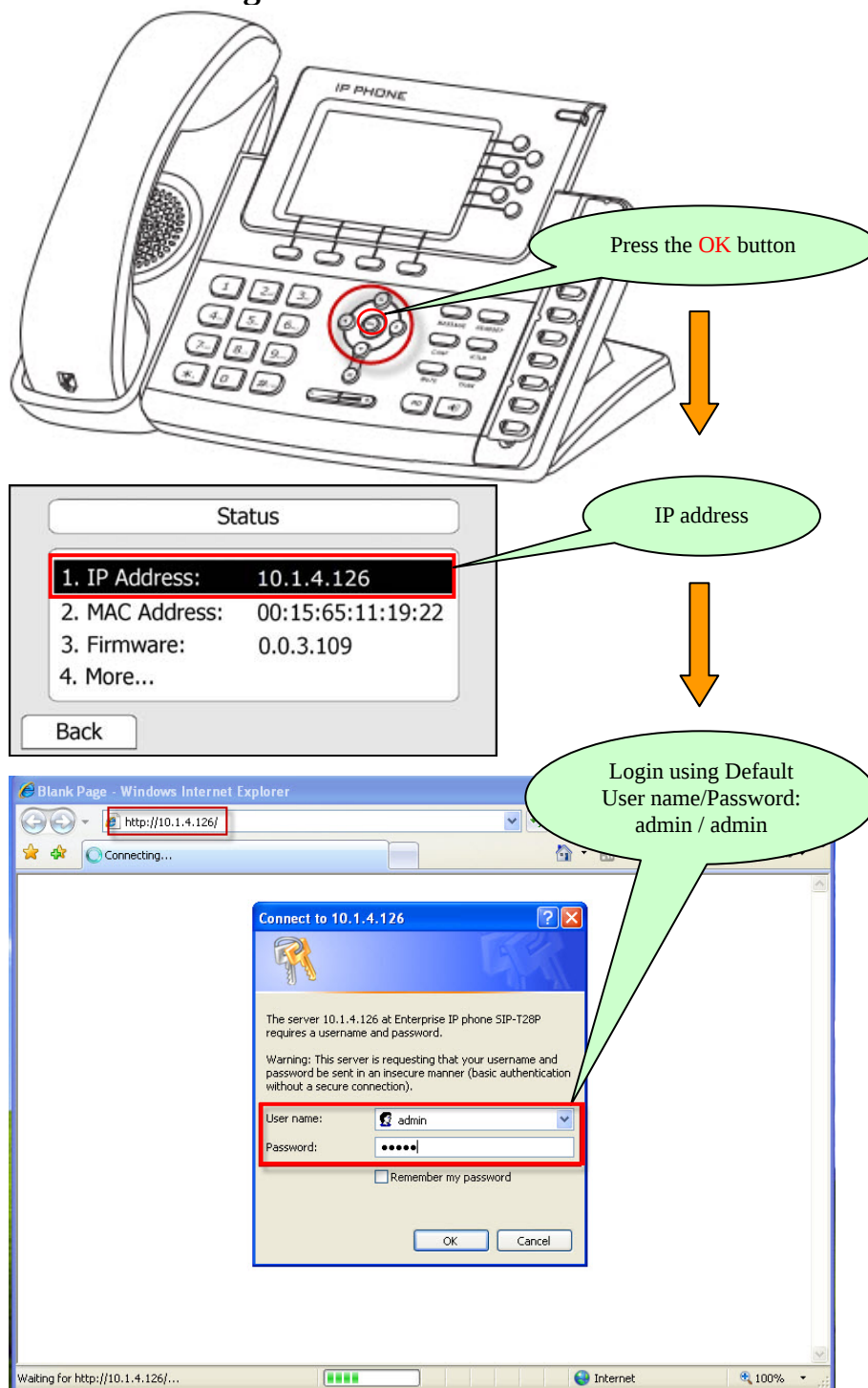
1. Requirements and Preparation	2
2. Configure Yealink IP Phone	2
2.1 Login to WEB management	2
2.2 Configure the Account Settings	3
2.3 Configure the DSS Key as BLF	4
2.4 Configure the DSS Key as Call Park	5
2.5 Configure the DSS Key as Intercom	6
3. Auto-configure Yealink Phone	7
4. Configure Asterisk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

1. Requirements and Preparation

- Asterisk Software 1.4.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



2.3 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	N/A	Conference	Line 1		
DSS Key 3	N/A	Conference	Line 1		
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	N/A	Conference	Line 1		
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.

BLF
The button can be configured Busy Line function with account. This can be used 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.

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 1		
DSS Key 5		Conference	Line 1		
DSS Key 6		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.

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.

Confirm Cancel

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

4.1 Login to Asterisk



[Voicemail & Recordings \(ARI\)](#)

[Flash Operator Panel \(FOP\)](#)

[FreePBX Administration](#)

连接到 10.1.5.223

FreePBX Administration

用户名 (U):

密码 (P):

☐ 记住我的密码 (R)

确定 取消

① Click
FreePBX Administrator

② Default login
Username / PWD:
admin / admin

4.2 Add an Extension

FreePBX System Status

FreePBX 2.5.2.2 on 10.1.5.223

Admin | Reports | Panel | Recordings | Help

Setup | Tools

Admin

- FreePBX System Status
- Module Admin
- 2.6 Upgrade Tool
- Basic
- SIPSTATION
- Extensions**
- Feature Codes
- General Settings
- Outbound Routes
- Trunks
- Administrators
- Inbound Call Control
- Inbound Routes
- Zap Channel DIDs
- Announcements
- Day/Night Control
- Follow Me
- IVR
- Queue Priorities

FreePBX Notices

- There are 49 modules available for online upgrades
- Could not reload FOP server
- Default Asterisk Manager Password Used
- Memory Limit Changed
- 56 New modules are available
- No email address for online update checks

show all

FreePBX Statistics

Total active calls	0
Internal calls	0
External calls	0
Total active channels	0

FreePBX Connections

IP Phones Online	0
------------------	---

Add an Extension

Please select your Device before clicking Submit

Device

Device: Generic SIP Device

Submit

FreePBX® Let Freedom Ring™

FreePBX is a registered trademark of Bandwidth.com
FreePBX 2.6.0alpha0 is licensed under GPL

FreePBX
FreePBX 2.5.2.2 on 10.1.5.223

Admin Reports Panel Recordings Help

Setup Tools

Admin

FreePBX System Status

Module Admin

2.6 Upgrade Tool

Basic

SIPSTATION

Extensions

Feature Codes

General Settings

Outbound Routes

Trunks

Administrators

Inbound Call Control

Inbound Routes

Zap Channel DIDs

Announcements

Day/Night Control

Follow Me

Internal Options & Configuration

Callback

Conferences

DISA

Languages

Misc Applications

Misc Destinations

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

Device Options

This device uses sip technology.

secret 201

dtmfmode rfc2833

Dictation Services

Dictation Service

Dictation Format Ogg Vo

Email Address

Voicemail & Directory

Status Enabled

Voicemail Password 201

Email Address

Pager Email Address

Email Attachment

Play CID

Play Envelope

Delete Voicemail

VM Options

VM Context default

VmX Locator

VmX Locator™ Enabled

Use When: ☒ unavailable ☒ busy

Voicemail Instructions: ☒ Standard voicemail pre

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

Apply your settings and account 201 is established.

4.3 Configure Parking Lot

FreePBX® 2.5.2.2 on 10.1.5.223

Admin Reports Panel Recordings Help

Setup Tools

Admin

FreePBX System Status

Module Admin

2.6 Upgrade Tool

Basic

SIPSTATION

Extensions

Feature Codes

General Settings

Outbound Routes

Trunks

Administrators

Inbound Call Control

Inbound Routes

Zap Channel DIDs

Announcements

Day/Night Control

Follow Me

IVR

Queue Priorities

Queues

Ring Groups

Time Conditions

Time Groups

Internal Options

Configuration

Callback

Conferences

DISA

Language

Misc Applications

Misc Destinations

Music on Hold

PIN Sets

Parking 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: 45 seconds

Parking Lot Context: parkedcalls

Actions for Timed-Out Options

Parking Alert-Info:

CallerID Prepend:

Announcement:

Options for Orphaned Parked Calls:

☐ Terminate Call: Hangup

☐ Extensions: <230> 230

☐ Conferences: 2002 <2002>

☐ IVR: Unnamed

☐ Phonebook Directory: Phonebook Directory

Submit Changes

FreePBX® Let Freedom Ring™

FreePBX is a registered trademark of Bandwidth.com

FreePBX 2.6.0alpha0 is licensed under GPL

① Select Parking Lot

② Enable Parking Lot Feature
Enter Parking Lot Extension

Appendix

1. Default Basic Dial Code on Asterisk System

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

Reference

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