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# Axtel IP Phones AX-200 User Manual

The Axtel logo features the word "Axtel" in a bold, sans-serif font. The letter "A" is orange, and the letters "xtel" are dark blue. A thin, light gray line is positioned below the letters "x" and "t".

Version  
2.0.4.6.17  
2020

## Notices Information

### Copyright

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### Safety instructions

- To use the Phone, please follow the instructions in this usermanual.
- Use the power adapter supplied with your phone. Other power adapters may damage the phone.
- This phone is for indoor use only, keep your phone away from moisture and do not expose your phone to rain or moisture
- Do not use the phone during thunderstorms.
- CE
- FCC

### WEEE Warning



The explanation of the Waste Electrical and Electronic Equipment (WEEE) Regulations. With electrical waste now one of the fastest-growing waste streams across the globe, expanding at around three times the rate of general waste, its aim is to encourage more recycling, recovery and re-use, and ultimately divert more used goods away from landfill.

## Cleaning

To clean the device, use an anti-static cloth. Please avoid cleaning liquids as they might damage the surface or internal electronics of the phone.

## FCC Statement

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

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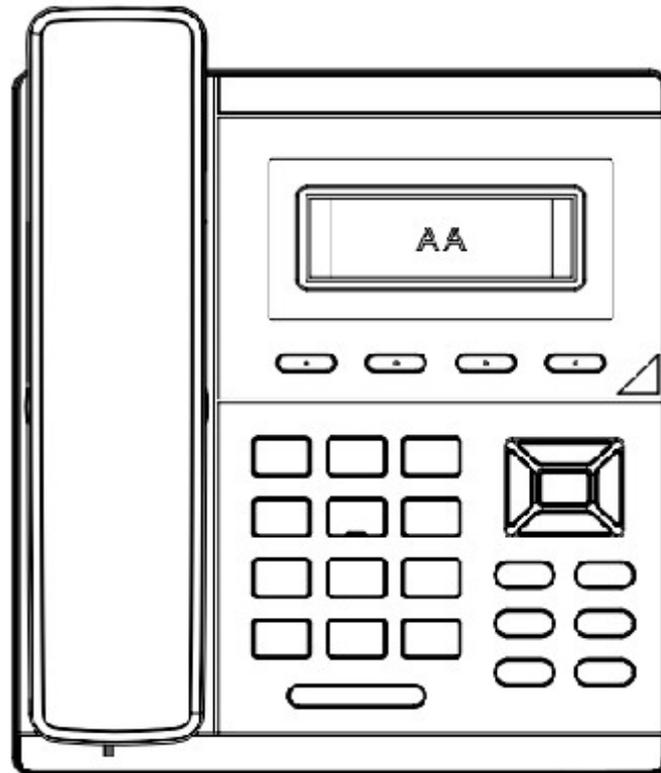


# Getting Started

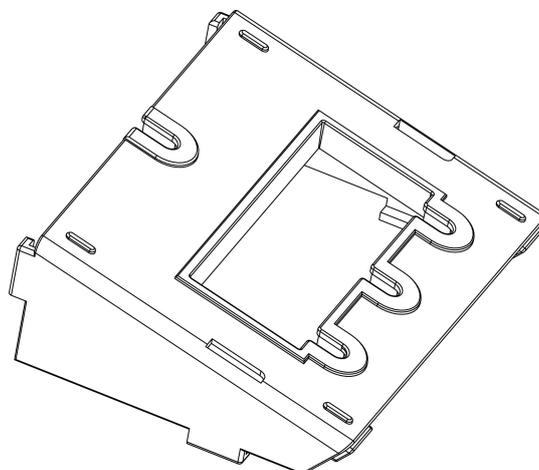
## Packing List

The package contains the following parts, please check if all the items are not missed:

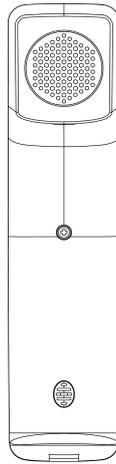
1. The phone station



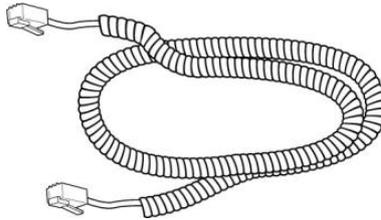
2. The phone stand



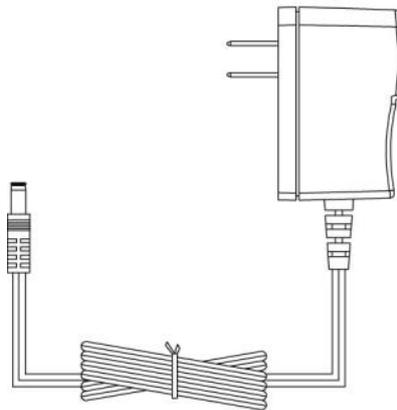
3. Handset



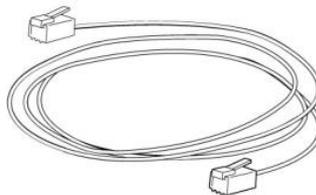
4. Headset cord



5. Power adapter



6. Ethernet cable

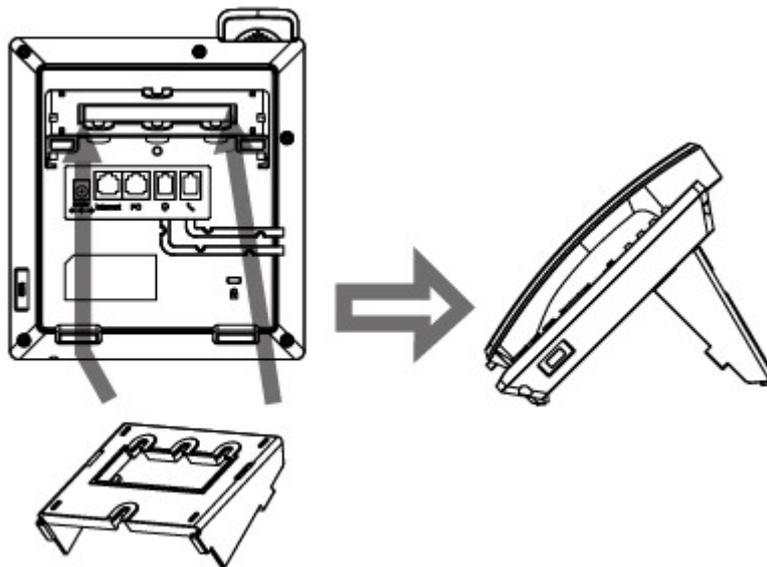


7. User Manual

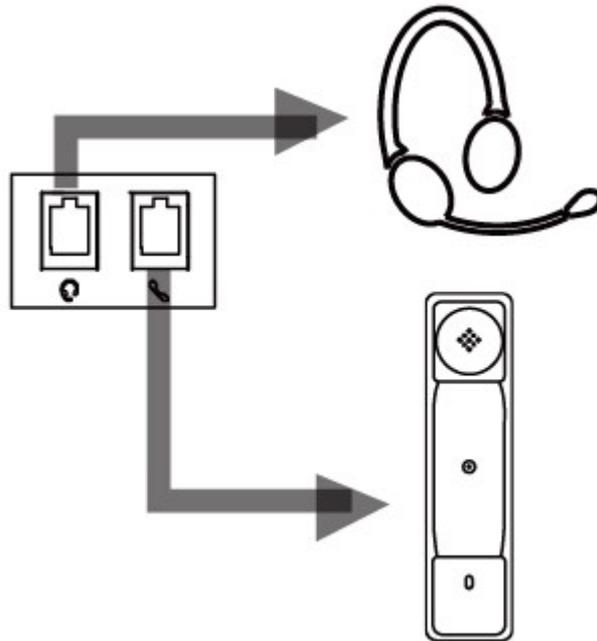


## Phone Installation

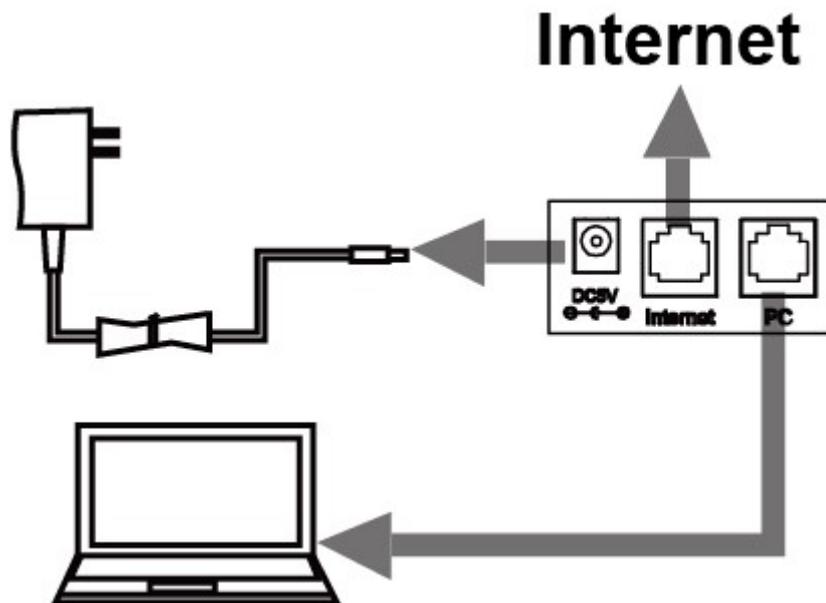
### 1. Attach the Phone stand



**2. Connect the Handset and optional Headset**



**3. Connect the Network and Power**

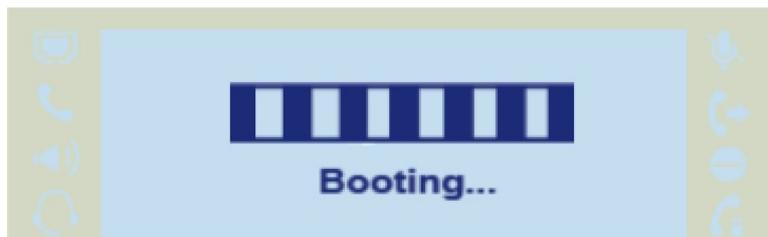


## Initialization

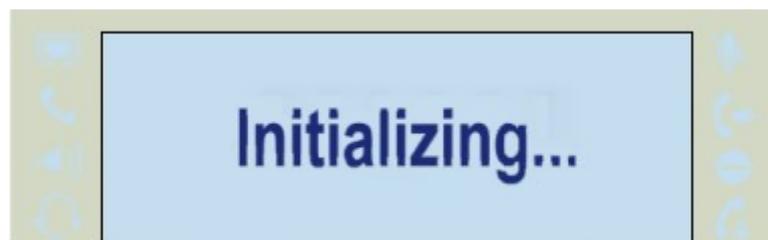
After your phone has been powered up, the system boots up and performs the following steps:

### Automatic Phone Initialization

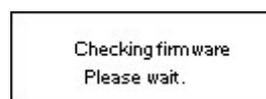
The phone finishes the initialization process by loading the saved configuration. The phone LCD screen will display "Booting"



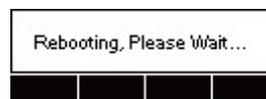
And then show "Initializing" during the initialization.



The IP Phone will upgrade the firmware if there is a new firmware on your server. And the IP Phone will show "Check firmware, please wait..." after initialization.



Then IP Phone will show Reboot information:



By default, the phone attempts to contact a DHCP server in your network in order to obtain its valid network settings, e.g. IP address, subnet mask, default gateway, DNS server.

## Status

You can view the system status of your phone via phone user interface or web user interface. The information of phone status includes: Information(e.g., Model, IPV4,IPV6, MAC, Firmware,

Hardware), Network(e.g., WAN Type, IP, Mask, LAN Type, Gateway, DNS... )Account (e.g., register status of accounts)

**To view the phone status via phone interface:**

1. Press Menu → Status → Information.

```
1.Model:AX-200
2.IPV4:10.2.2.219
Back
```

2. Press Menu → Status → Network.

```
1.IPV4
2.IP Port Mode:IPV4
Back Enter
```

3. Press Menu → Status → Accounts.

```
1.631:Registered
Back
```

**To view the phone status via web interface:**

1. Login web interface(For How to login, please refer to Web Login).
2. Click Home and view the information of Version, Account and Network.

<b>● Version</b> <a href="#">?</a>	
Product Model	AX-200
Firmware Version	BOOT--2.0.4.6(2019-01-09 11:36:00) IMG--2.0.4.6.13(2019-01-11 10:38:00) ROM--2.0.4.6.13(2019-01-11 10:39:00) DSP--9.0.3(Patch 1.0.16M)
<b>● Account Status</b> <a href="#">?</a>	
Account1	691@192.168.0.12:5060 : Registered; UDP
<b>● Network</b> <a href="#">?</a>	
IP Mode (IPv4/IPv6)	IPv4
Device Type	Bridge
MAC Address	00:1f:c1:1d:87:1c
Current Time	11-01-2019 21:54:54
<b>● IPv4 Setting</b>	
WAN Port Type	DHCP
WAN IP Address	10.2.2.219
Subnet Mask	255.255.0.0
Gateway	10.2.0.1
Primary DNS	192.168.0.2
Secondary DNS	

-

## Registration

### To register via phone interface:

1. Press Menu → Settings → Advanced setting (default password: admin) → Accounts.
2. Select Enable for Account active.
3. Filled the SIP User ID, Authenticate ID.
4. Filled the password, Name (shown on LCD).
5. Press Save soft key to save the configuration.



**Note:**

If there is a port of sip server, you need to press “1” on the keypad, then you will find the “:”.

**Additional Information:**

When the current input method is ABC/abc/2ab,

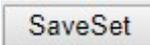
Pressing “1”, you will find “, . ?;”.

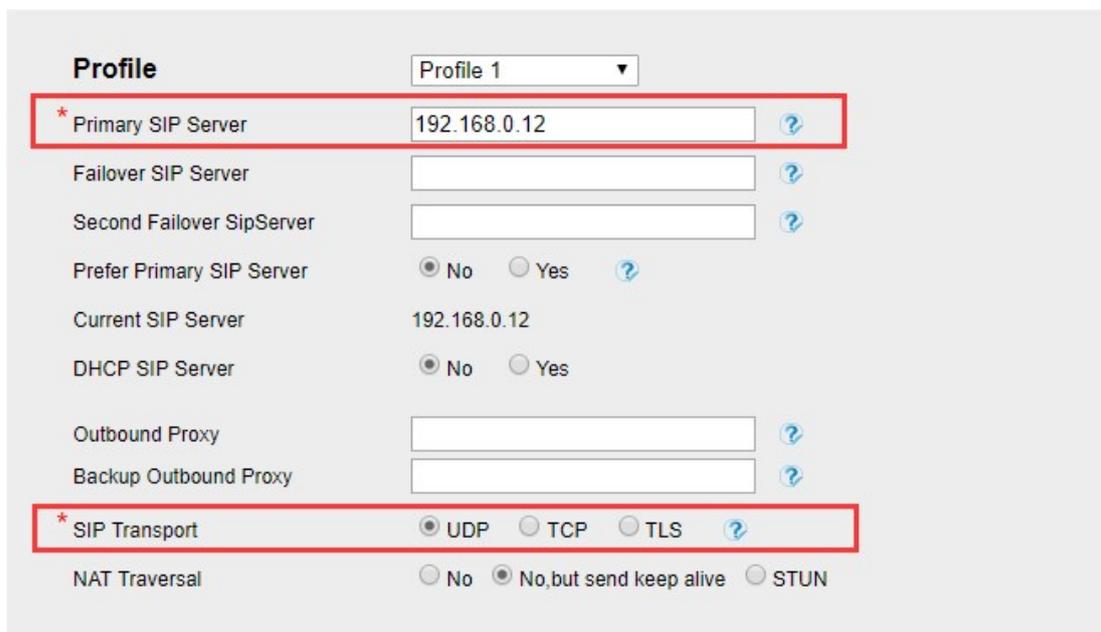
Pressing “0”, you will find “ < > () {} [] ”.

Pressing “\*”, you will find “\*/’!@\$”.

Pressing “#”, you will find “#’%&\*|”.

**To register via web interface:**

1. Login web interface and Click Profile → Basic.
2. Fill the Primary SIP Server and select SIP Transport.
3. Click  button to save the configuration.



4. Click Account → Basic.
5. Select Yes for Account Active.
6. Fill the SIP User ID, Authenticate ID, Authenticate Password and other account information.

7. Click **SaveSet** button to save the configuration.

**Account** Account 1 ▼

Account Status 691@192.168.0.12:5060 : Registered; UDP

\* Account Active  No  Yes

Profile Profile 1 ▼

Label  ?

\* SIP User ID  ?

\* Authenticate ID  ?

\* Authenticate Password  ?

Name  ?

Local SIP Port  ?

Use Random Port  No  Yes

**Note:**

1. All fields with \* must be filled. If changed, it requires a phone restart.
2. Account Status says the account registered successfully or not.

## Idle Screen

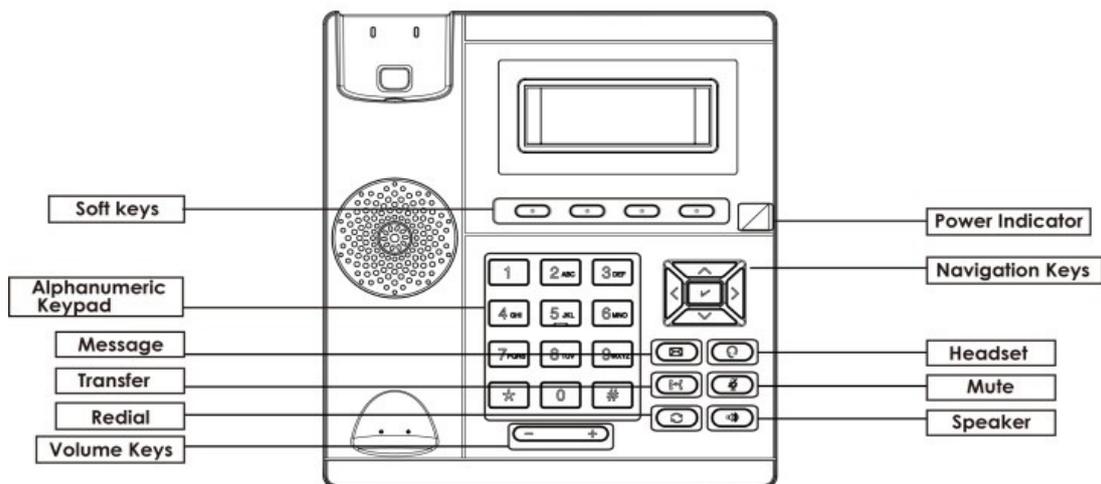


Name	Description
1. Date&Time	It is the area that displays the current set date and time of the phone.

2. Notice	It is the area to display the phone's notifications such as missed calls, SMS, do not disturb mode and many more. For more info, see <a href="#">Icon Preview</a> .
3. Default Account	This area shows the current account.
4. Soft Key	This area shows the soft key labels. The default soft key labels are "History", "Directory", "DND" and "Menu". For more information, see <a href="#">Programmable Key</a>

## Getting Familiar with Your Phone

### Hardware Components Preview



Item	Description
LCD screen	To Present all information about date&time, accounts, soft keys, messages, calls and other some information.
Power Indicator LED	To indicate the power status
Soft keys	Labels automatically to identity their context-sensitive features.
Navigation keys	 <b>OK.</b>

	 <b>Up arrow key:</b> To move up of the selection shows on the screen.
	 <b>Right arrow key:</b> To move right of the selection shows on the screen.
	 <b>Left arrow key:</b> To move left of the selection shows on the screen.
	 <b>Down arrow key:</b> To move down of the selection shows on the screen.
Mute key	 1. To mute the voice during the call. 2. To un-mute the call.
Speaker	 Press this button to place a call in hands-free mode.
Redial	 1. To dial the previous dialed number. 2. To act as send key.
Volume	 To decrease the volume.  To increase the volume.
Alphanumeric keypad	To enter the phone numbers, letters and so on.
Message	 To indicator the New message, and press to read.
Headset	 To indicate that the phone is or not in Headset mode.
Transfer	 1.To transfer a call to a third party. 2.To enable or disable Forward feature during the idle page.

## Icon Preview

Icon	Description
	Network
	Line(Registered succeed)
	Line(Unregistered)
	Speakerphone mode
	Handset mode
	Headset mode
	Mute
	Forward
	Do Not Disturb
	SRTP
	Received calls
	Dialed Calls
	Missed calls
	Forward calls

## LED Instruction

This part mainly instructs the LED status. The Power LED Status describe on the premise that the LED setting all set as Yes. For LED status setting, please refer to: LED Status Setting.

### Power Indicator LED

LED Status	Description
Blinked Orange	Ringing or have missed call
Steady Orange	Idle status(Power on)
Off	Powered off.

### Other Key Led

Key	Description
Headset Key	When using in headset mode, the led is steady orange or the LED is off.
Message Key	Blinked orange when there is a new message or the LED is off.
Mute Key	Red when the mute the call, or the LED is off.

## User interface

There are two ways to customize specific configurations on your IP phone:

- The user interface on the IP phone
- The user interface in a web browser on your PC

The hardware components keypad and LCD screen constitute the phone user interface, which allows the user to execute all call operation tasks and basic configuration changes directly on the phone. In addition, you can use the web user interface to access all configuration settings. In many instances, it is possible to use both the phone user interface and the web user interface to operate

the phone and change settings. However, in some instances, it is only possible to use the phone or the web user interface.

### Phone interface Overview

Option	
Status	Model
	IP
	MAC
	Firmware (IMG, BOOT, ROM)
	Hardware
	Network
	Accounts
	Device Cert
	Language
Features	Call Forward
	Key as Send
	Hot Line
	Anonymous Call
	DND
	History Setting
Basic Setting	Language
	Time & Date
	Time & Date Format
	DHCP Time
	Ring Tone
	Headset
	Screensaver
	User Mode
	Gray Level
	Font Size
	Text Scroll
Advanced Setting	Accounts
	Network
	Phone Setting
	Auto Provision
Directory	All Contacts

	Local Contacts
	Blacklist Contacts
History	Local History
	Network CallLog
Messages	Voice Mail
	Text Message
Others	Factory Function
	System Restart
	Device Reboot
	Pcap Feature

## Basic Setting Configuration

This part will mainly introduce the basic configuration as the Time, Language, and Volume...

### General Settings

#### Web Login

1. Get the IP address: Press Menu → Status → Information.

```

1.Model:AX-200
2.IPV4:10.2.2.219
Back
  
```

2. Input the IP Address in the web browser.
  1. Input the user name (default is admin), password (default is admin).
  2. Login successfully.

- **Version** [?](#)

Product Model	AX-200
Firmware Version	BOOT--2.0.4.6(2019-01-09 11:36:00) IMG--2.0.4.6.13(2019-01-15 14:26:00) ROM--2.0.4.6.13(2019-01-15 14:26:00) DSP--9.0.3(Patch 1.0.16M)
- **Account Status** [?](#)

Account1	691@192.168.0.12:5060 : Registered; UDP
----------	---
- **Network** [?](#)

IP Mode (IPv4/IPv6)	IPv4
Device Type	Bridge
MAC Address	00:1f:c1:1d:87:1c
Current Time	15-01-2019 22:05:08
- **IPv4 Setting**

WAN Port Type	DHCP
WAN IP Address	10.2.2.219
Subnet Mask	255.255.0.0
Gateway	10.2.0.1
Primary DNS	192.168.0.2
Secondary DNS	
- **Memory Free** 43344 KB
- **System Up Time** 0 day(s) 14 hour(s) 50 min(s) 40 sec(s)
- **Restart**

**Note:**

The PC and phone should be in the same segment.

When registering the accounts in web and the server port is not “5060”, then “SIP Server” should be set as “SIP Server’s IP address: server port.”, for example, “192.168.0.12: 5060”.

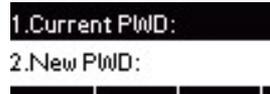
## Administrator Password

The password is mainly used for login the web interface or set the advanced settings through

phone interface. And the default password of the administrator is: **admin**.

### To change to password via phone interface:

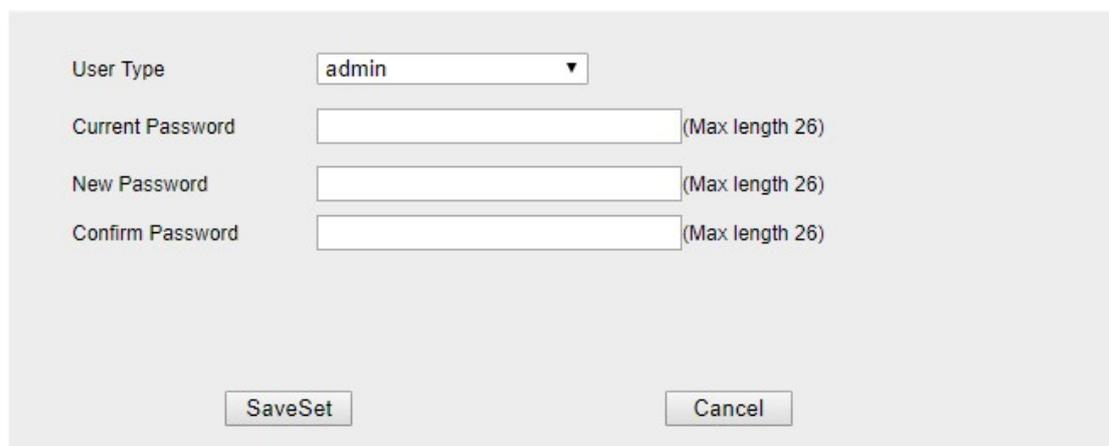
1. Press Menu → Settings → Advanced Setting → Password (default admin) → Phone Setting → Set Password.
2. Enter the Current PWD (password), New PWD and Confirm the new password.
3. Press save soft key or  to save the new password.



1.Current PWD:  
2.New PWD:

### To change to password via web interface:

1. Management → Password.
2. Fill the value.
3. Click  to save the configuration.



User Type

Current Password  (Max length 26)

New Password  (Max length 26)

Confirm Password  (Max length 26)

#### Note:

When you use the web interface: user name: **admin** password: **admin(default)**

## Language

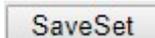
The default Phone interface language is English.

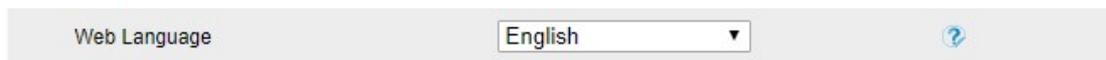
**To change the language via phone interface:**

1. Press Menu → Settings → Basic Setting → Language.
2. Press  or Save soft key to save the configuration.



**To change the language via web interface:**

1. Setting → Preference → Web Language.
2. Select the necessary one.
3. Click  button to save the configuration.



**Note:**

All languages may not be available for selection. The available languages depend on the language packs currently loaded to the IP phone.

## Screen Saver

There are three types of screen saver: Logo Only, Time Only, Time & Logo.

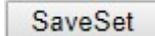
**To enable Screensaver via phone interface:**

1. Press Menu → Settings → Basic Setting → Screensaver.
2. Press  and  or press Switch soft key to Choose the Time-out as 1 min or 2/5/10/30 minute, then press the Save button.
3. Enter the Screensaver Type to choose one of the type: Logo Only, Time Only or Time & Logo.
4. Press  or Save soft key to save the selected configuration.

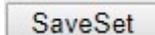
**To disable Screensaver via phone interface:**

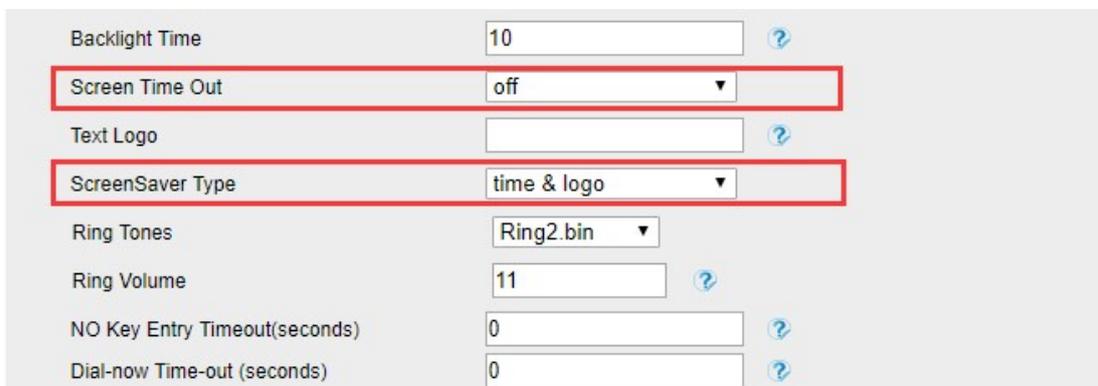
1. Press Menu → Settings → Basic Setting → Screensaver.
2. Press  and  or press Switch soft key to Choose the Time-out as off.
3. Press  or Save soft key to save the selected configuration.

**To Enable Screensaver via web interface:**

1. Click Setting → Preference.
2. Choose the Screen Time Out as 1 min or 2/5/10/30 minute.
3. Select the screen Type as Logo Only, Time Only or Time & Logo.
4. Click  button to save the configuration.

**To Disable Screensaver via web interface:**

1. Click Setting → Preference.
2. To choose the Screen Time Out as Off.
3. Click  button to save the configuration.

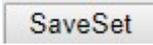


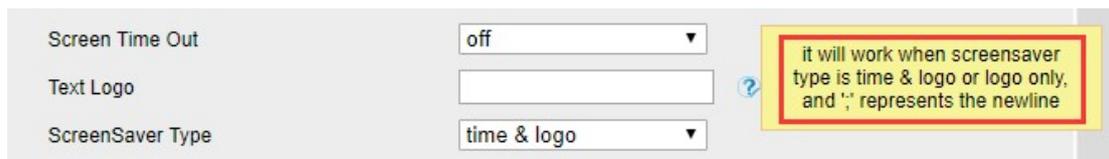
The screenshot shows a configuration page with the following settings:

Backlight Time	10	?
Screen Time Out	off	?
Text Logo		?
ScreenSaver Type	time & logo	?
Ring Tones	Ring2.bin	?
Ring Volume	11	?
NO Key Entry Timeout(seconds)	0	?
Dial-now Time-out (seconds)	0	?

Red boxes highlight the 'Screen Time Out' and 'ScreenSaver Type' settings.

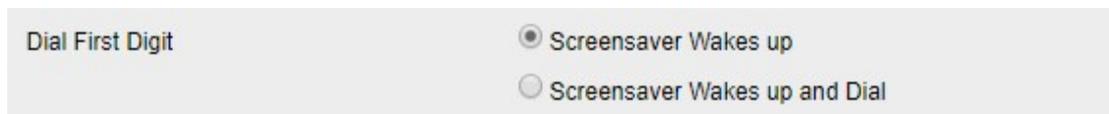
**To custom Text Logo via web interface:**

1. Click Setting → Preference.
2. Choose the Screen Time Out as 1 min or 2/5/10/30 minute.
3. Enter the desired value in the Text Logo field.
4. Click  button to save the configuration.



#### **To Wake up Screensaver via web interface:**

1. Click Setting → Preference.
2. Choose Dial First Digit: Screensaver Wakes up or Screensaver Wakes up and Dial.



## **Gray Level**

There are 12 levels. you can change the LCD's brightness according to your visual perception.

#### **To change Gray Level via phone interface:**

1. Press Menu → Settings → Basic Setting → Gray Level.
2. Press  and  or press Switch soft key to Choose the level from 1 to 20.
3. Press  or Save soft key to save the selected configuration.

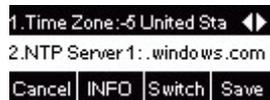
## **Time and Date**

Time and date is displayed on the idle page, and it can be set automatically by SNTP server or

manually by manual setting.

**To configure Time & Date by SNTP setting via phone interface:**

1. Press Menu → Settings → Basic setting → Time & Date → SNTP Settings.
2. Press  or , or press Switch soft key to change the Time zone.
3. Fill the NTP server1, NTP Server2, and Daylight Saving.
4. Press  or Save soft key to save the configuration.



**To configure Time & Date manually via phone interface:**

1. Press Menu → Settings → Basic setting → Time & Date → Manual.
2. Press  and  or change the right time, or you can input the right time.
3. Press  or Save soft key to save the configuration.

**To configure Time & Date Format via phone interface:**

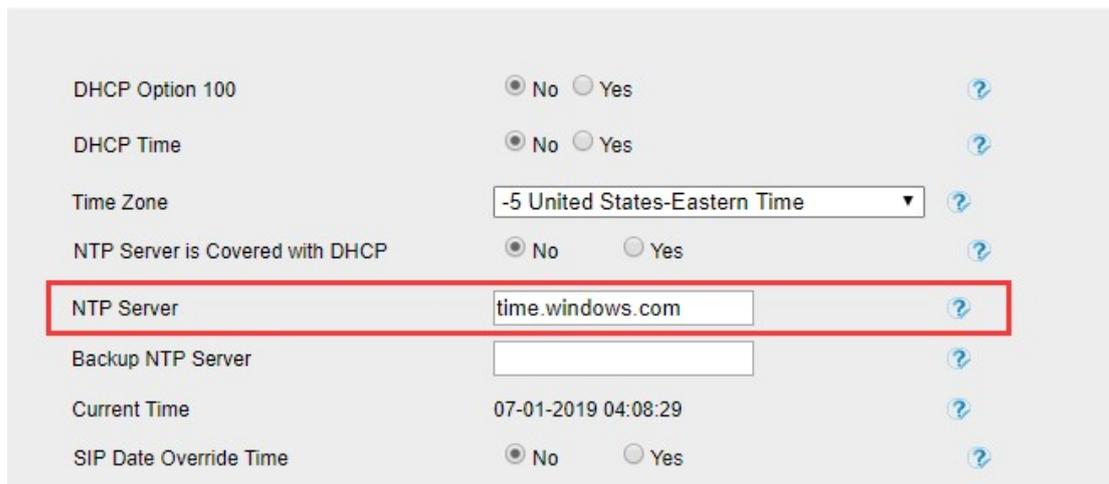
1. Press Menu → Settings → Basic setting → Time & Date Format.
2. Press  and , or press Switch soft key to change between 12 Hour or 24 Hour time display.
3. Press  and , or press Switch soft key to change date display format among Y-M-D(year-month-day), M-D-Y(month-day-year), D-M-Y(day-month-year).
4. Press  or Save soft key to save the configuration.

**To configure DHCP Time via phone interface:**

1. Press Menu → Settings → Basic setting → DHCP Time.
2. Press  and , or press Switch soft key to change between On and Off.
3. Press  or Save soft key to save the configuration.

**To configure NTP Server by web interface:**

1. Login
  - a) Login name: admin, password: admin (default).
2. Setting → Date & Time → NTP Server.
3. Fill the value in the blank.



DHCP Option 100	<input checked="" type="radio"/> No <input type="radio"/> Yes	<a href="#">?</a>
DHCP Time	<input checked="" type="radio"/> No <input type="radio"/> Yes	<a href="#">?</a>
Time Zone	<input type="text" value="-5 United States-Eastern Time"/>	<a href="#">?</a>
NTP Server is Covered with DHCP	<input checked="" type="radio"/> No <input type="radio"/> Yes	<a href="#">?</a>
NTP Server	<input type="text" value="time.windows.com"/>	<a href="#">?</a>
Backup NTP Server	<input type="text"/>	<a href="#">?</a>
Current Time	07-01-2019 04:08:29	<a href="#">?</a>
SIP Date Override Time	<input checked="" type="radio"/> No <input type="radio"/> Yes	<a href="#">?</a>

**To change Time Zone and Date Display Format via web interface:**

1. Setting → Date & Time.
2. Select the necessary one.
3. Press  button to save the configuration.

DHCP Option 100	<input checked="" type="radio"/> No <input type="radio"/> Yes	<a href="#">?</a>
DHCP Time	<input checked="" type="radio"/> No <input type="radio"/> Yes	<a href="#">?</a>
Time Zone	-5 United States-Eastern Time ▼	<a href="#">?</a>
NTP Server is Covered with DHCP	<input checked="" type="radio"/> No <input type="radio"/> Yes	<a href="#">?</a>
NTP Server	<input type="text" value="time.windows.com"/>	<a href="#">?</a>
Backup NTP Server	<input type="text"/>	<a href="#">?</a>
Current Time	07-01-2019 04:08:29	<a href="#">?</a>
SIP Date Override Time	<input checked="" type="radio"/> No <input type="radio"/> Yes	<a href="#">?</a>
Account(SIP Date Override Time)	Account 1 ▼	<a href="#">?</a>
Daylight Saving Time	<input checked="" type="radio"/> Disable <input type="radio"/> Enable <input type="radio"/> Auto	<a href="#">?</a>
Time Format	<input checked="" type="radio"/> 24 Hour <input type="radio"/> 12 Hour	<a href="#">?</a>
Date Display Format	<input type="radio"/> Year - Month - Day <input type="radio"/> Month - Day - Year <input checked="" type="radio"/> Day - Month - Year	<a href="#">?</a>

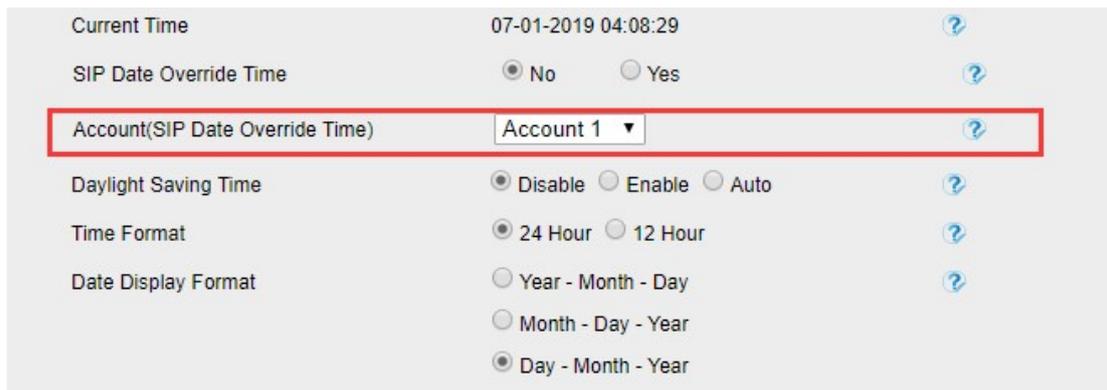
**To change SIP Date Override Time via web interface:**

1. Setting → Date & Time → SIP Date Override Time.
2. Select On or Off for SIP Date Override Time.
3. Click  button to save the configuration.

Current Time	07-01-2019 04:08:29	<a href="#">?</a>
SIP Date Override Time	<input checked="" type="radio"/> No <input type="radio"/> Yes	<a href="#">?</a>
Account(SIP Date Override Time)	Account 1 ▼	<a href="#">?</a>
Daylight Saving Time	<input checked="" type="radio"/> Disable <input type="radio"/> Enable <input type="radio"/> Auto	<a href="#">?</a>
Time Format	<input checked="" type="radio"/> 24 Hour <input type="radio"/> 12 Hour	<a href="#">?</a>
Date Display Format	<input type="radio"/> Year - Month - Day <input type="radio"/> Month - Day - Year <input checked="" type="radio"/> Day - Month - Year	<a href="#">?</a>

**To change Account via web interface:**

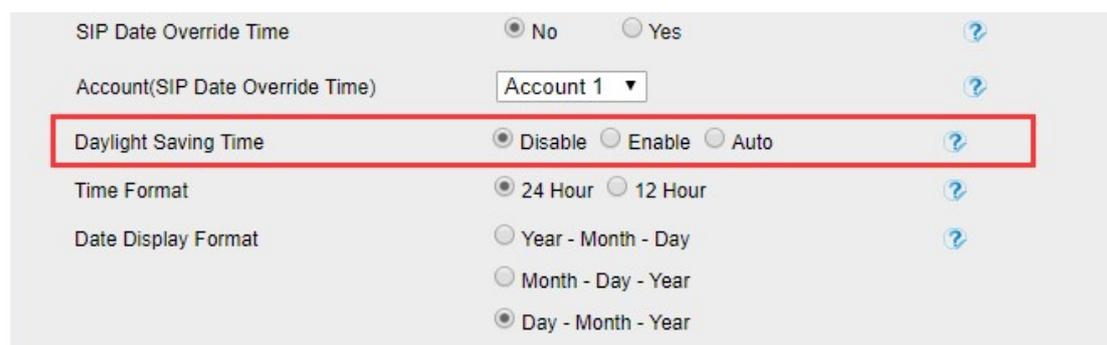
1. Setting → Date & Time → Account(SIP Date Override Time).
2. Select desired Account.
3. Click **SaveSet** button to save the configuration.



Current Time	07-01-2019 04:08:29	?
SIP Date Override Time	<input checked="" type="radio"/> No <input type="radio"/> Yes	?
Account(SIP Date Override Time)	Account 1 ▼	?
Daylight Saving Time	<input checked="" type="radio"/> Disable <input type="radio"/> Enable <input type="radio"/> Auto	?
Time Format	<input checked="" type="radio"/> 24 Hour <input type="radio"/> 12 Hour	?
Date Display Format	<input type="radio"/> Year - Month - Day <input type="radio"/> Month - Day - Year <input checked="" type="radio"/> Day - Month - Year	?

**To change Daylight Saving Time via web interface:**

1. Setting → Date & Time → Daylight Saving Time.
2. Select Disable or Enable or Auto for Daylight Saving Time.
3. Click **SaveSet** button to save the configuration.



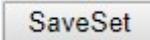
SIP Date Override Time	<input checked="" type="radio"/> No <input type="radio"/> Yes	?
Account(SIP Date Override Time)	Account 1 ▼	?
Daylight Saving Time	<input checked="" type="radio"/> Disable <input type="radio"/> Enable <input type="radio"/> Auto	?
Time Format	<input checked="" type="radio"/> 24 Hour <input type="radio"/> 12 Hour	?
Date Display Format	<input type="radio"/> Year - Month - Day <input type="radio"/> Month - Day - Year <input checked="" type="radio"/> Day - Month - Year	?

**Note:**  
If the IP Phone cannot obtain the time and date from the Simple Network Time Protocol (SNTP) server, please contact your system administrator for more information.

## LED Status Setting

The LED Status setting mainly defines the power indicator LED.

### To configure LED Status via web interface:

1. Click Setting → Preference.
2. Select Yes or No for Power Status, Ringing Status, Miss Calls Status and Voice Message Status.
3. Click  button for the setting.



LED Status Setting:

Power Status	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Ringing Status	<input checked="" type="radio"/> Yes	<input type="radio"/> No
MissCalls Status	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Voice Message Status	<input type="radio"/> Yes	<input checked="" type="radio"/> No

## Key as Send

### To configure Key as Send via phone interface:

1. Press Menu → Features → Key as Send.
2. Press  and  or press Switch soft key to select the enable choice.
3. Press  or Save soft key to save the configuration.

### To cancel Key as Send via phone interface:

1. Press Menu → Features → Key as Send.
2. Press  and  or press Switch soft key to select the disable choice.

3. Press  or Save soft key to save the configuration.

## Network Setting

Axtel IP Phone supports IPv4、IPv6、IPv4&IPv6.They have three mode of Network: DHCP, Static, and PPPoE. The default mode is DHCP, it will obtain IP address and other information automatically.

If your phone cannot contact a DHCP server for any reason, you need to configure a static IP address manually.

When switch DHCP, Static IP and PPPoE to each other, or change the Static IP on web interface, it will show the warning of restart as following.



## IPv4

If you set IP Mode to IPv4,IP phone will use IPv4 address. IPv4 has three network modes: DHCP, Static, and PPPoE.

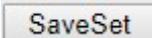
### To configure IPv4 via phone interface:

1. Press Menu → Settings → Advanced Setting(Password: admin) → Network → WAN Port → IP Port Mode.
2. Press  or  to change the IP Port Mode.
3. Press  or Save soft key to save the configuration.



### To configure IPv4 via web interface:

1. Click Network → Basic → Internet Port.

2. Select IPv4 for Internet Port.
3. Click  button for the setting.



#### To configure DHCP via phone interface:

1. Press Menu → Settings → Advanced Setting(password: admin) → Network → WAN Port → IPv4 → DHCP mode.
2. Press Save soft key and restart the phone.

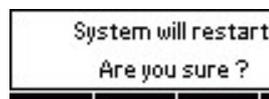
#### To configure a static IP address via phone interface:

1. Press Menu → Settings → Advanced Setting(password: admin) → Network → WAN Port → IPv4 → Static mode.
2. Enter the parameters: IP, Netmask, Gateway, Pri. DNS(primary dns), sec. DNS(second DNS) in the corresponding fields.



1.IP:192.168.1.70  
2.Netmask:255.255.254.1

3. Press Save soft key and restart the phone.



System will restart  
Are you sure ?

Press Save soft key to accept the change or Cancel soft key to cancel. If you are using an xDSL modem, you can connect your phone to the Internet via PPPoE mode. You can set a WAN port to be a PPPoE port. The PPPoE port will perform a PPP negotiation to obtain the IP address. Contact your system administrator for the PPPoE user name and password.

#### To configure PPPoE via phone interface:

1. Press Menu → Setting → Advanced Setting(password: admin) → Network → WAN

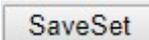
Port → IPv4 → PPPoE mode.

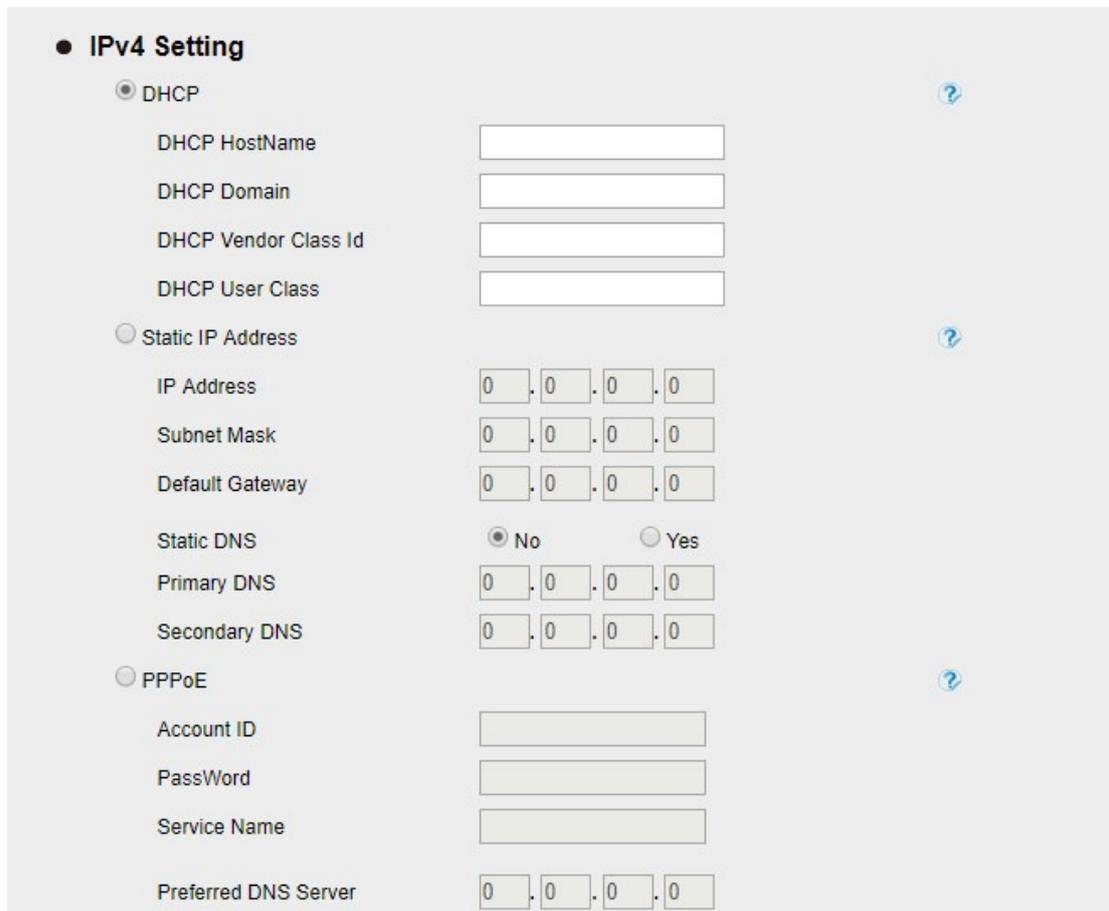
2. Enter User ID and Password.
3. Press Save soft key and restart the phone.

1.User ID:02584885230

2.Password:.....

### To configure Network via web interface:

1. Click Network → Basic → IPv4 setting.
2. Select the desired Type: DHCP, Static or PPPoE.
3. Filled the necessary information.
4. Click  button and restart the phone.



The screenshot shows the 'IPv4 Setting' web interface. It features three radio button options: 'DHCP' (selected), 'Static IP Address', and 'PPPoE'. Each option has a corresponding set of input fields and a help icon (question mark). The 'DHCP' section includes fields for 'DHCP HostName', 'DHCP Domain', 'DHCP Vendor Class Id', and 'DHCP User Class'. The 'Static IP Address' section includes fields for 'IP Address', 'Subnet Mask', and 'Default Gateway', each with four individual digit boxes, and a 'Static DNS' section with radio buttons for 'No' (selected) and 'Yes', and fields for 'Primary DNS' and 'Secondary DNS'. The 'PPPoE' section includes fields for 'Account ID', 'PassWord', 'Service Name', and 'Preferred DNS Server'.

## IPv6

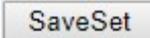
If you set IP Mode to IPv6, IP phone will use IPv6 address. IPv4 has two network modes: DHCP, Static

### To configure IPv6 via phone interface:

1. Press Menu → Setting → Advanced Settings (password: admin) → Network → WAN Port → IP Port Mode.
2. Press  or  to change the IP Port Mode.
3. Press  or Save soft key to save the configuration.



### To configure IPv6 via web interface:

1. Click Network → Basic → Internet Port.
2. Select IPv6 for Internet Port.
3. Click  button for the setting.



### To configure DHCP via phone interface:

1. Press Menu → Setting → Advanced Settings (password: admin) → Network → WAN Port → IP Port Mode:IPv6 → DHCP mode.
2. Press Save soft key and restart the phone.

### To configure a static IP address via phone interface:

1. Press Menu → Setting → Advanced Settings (password: admin) → Network → WAN Port → IPv6 → Static mode.

2. Enter the parameters: IP, IPV6 Prefix, Gateway, Pri. DNS(primary dns), sec. DNS(second DNS) in the corresponding fields.

```
1.IP:1111:4976:13ef:7d49
2.IPV6 Prefix:64
```

3. Click Save soft key and restart the phone.

```
System will restart
Are you sure ?
```

**To configure Network via web interface:**

1. Click Network → Basic → IPv6 setting.
2. Select the desired Type: DHCP, Static.
3. Fill required fields.
4. Click **SaveSet** button and restart the phone.

**IPv6 Setting**

DHCP ?

Static IP Address ?

IP Address

IPv6 Prefix (0~128)

Default Gateway

IPv6 Static DNS  No  Yes

Primary DNS

Secondary DNS

**SaveSet** **Restart**

## IPv4 & IPv6

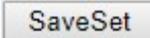
If you set IP Mode to IPv4 & IPv6, IP phone will support both IPv4 and IPv6 address. The settings of DHCP, Static, and PPPoE are same as above.

### To configure IPv4 & IPv6 via phone interface:

1. Press Menu → Setting → Advanced Settings (password: admin) → Network → WAN Port → IP Port Mode.
2. Press  or  to change the IP Port Mode.
3. Press  or Save soft key to save the configuration.



### To configure IPv4 & IPv6 via web interface:

1. Click Network → Basic → Internet Port.
2. Select IPv4&IPv6 for Internet Port.
3. Click  button for the setting.



#### Note:

Wrong network parameters may result in inaccessibility of your phone and may also have an impact on your network performance. For more information about these parameters, contact your system administrator.

## PC Port

Two modes for PC port: bridge and router.

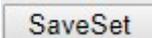
### To configure PC Bridge via phone interface:

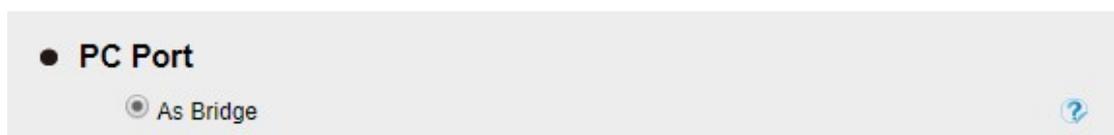
1. Press Menu → Settings → Advanced Setting(password: admin) → Network → PC Port → Bridge mode.
2. Press Save soft key.
3. Press OK soft key, then the phone will reboot.

**To configure PC Router via phone interface:**

1. Press Menu → Settings → Advanced Setting(password: admin) → Network → PC Port → Router mode.
2. Enter the IP, Netmask and DHCP server.
3. Press Save soft key.
4. Press OK soft key, then the phone will reboot.

**To configure Bridge via web interface:**

1. Click Network → Basic.
2. Select As Bridge.
3. Click  button and the phone will reboot automatically.



**To configure Router via web interface:**

1. Click Network → Basic.
2. Select As Router.
3. Fill the IP Address and other necessary information.
4. Click  button and the phone will reboot automatically.

● **PC Port**

As Bridge ?

As Router ?

IP Address

Subnet Mask

IP Lease Time

DHCP Server

## Contact Setting

This section provides the operating instructions for managing contacts. The topics include:

- Local Directory
- Remote Phonebook
- LDAP
- Search Contact

### Local Directory

In the directory, you can add or delete your friends, business partner or anyone others' phone No. so you will not forget their number. Or put some anonymous phone No. in the blacklist to prevent from being disturbed. The local Directory can add up to 1000 contacts.

#### A. To add contacts list into local directory

**To add contacts manually via phone interface:**

1. Press Menu → DIR → Contacts.
2. Press Add soft key.

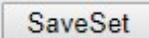
```
1.Name:
2.Number:
```

3. Enter the necessary information as Name, Phone number...
4. Press Save soft key or  to add the contacts successfully.

**To add contacts from History via phone interface:**

1. Press History soft key or press Menu → History.
2. Press  and  to select the targeted one. (Press  and  to switch among the All calls, Dialed calls, Received calls, Missed Calls and Forward Calls).
3. Press Option soft key → Add to Contacts.
4. Edit the necessary information as Name, Phone number...
5. Press Save soft key or  to add the contacts successfully.

**To add contacts via web interface:**

1. Click Directory → Directory.
2. Enter the name, number and some other information.
3. Click  button and then click  button.

Contact **BlackList**
[Hangup](#)

Index	Display Name	Office Number	Mobile Number	Other Number	Account	All ▼ <input type="checkbox"/>
1	Julex	<a href="#">802</a>			Auto	<input type="checkbox"/>
2	Nancy	<a href="#">801</a>			Account 1	<input type="checkbox"/>
3	Nico	<a href="#">800</a>			Account 1	<input type="checkbox"/>

Save
Delete
Move to Contact/blacklist

**Contact**

Name

Office Number

Mobile Number

Other Number

Account

Ring

Group

Photo

Add
Edit
Search

**Import Local Contacts**

No file chosen

No file chosen

Show Title

**GroupInfo**

Group

Ring

Add
Edit
Delete
Delete All

**B: To add contacts into blacklist**

**To add blacklist manually via phone interface:**

1. Press Menu → DIR.
2. Press and or press Switch soft key to Choose Contacts.
3. Press More soft key.

4. Press More soft key.
5. Press Option soft key. Add to blacklist.
6. Press Save soft key or  to add the contacts successfully.

**To add blacklist from history via phone interface:**

1. Press History soft key or press Menu → History → Local history.
2. Press  and  to select the targeted one.
3. Press Option soft key → Add to Blacklist.
4. Edit the necessary information as Name, Phone number...
5. Press Save soft key or  to add successfully.

**To import or export the contact list**

You can manage your phone's local directory via phone or web interface. But you can only import or export the contact list via web interface.

**To import an XML file of contact list via web interface:**

1. Click Directory.
2. Click Choose File to select a contact list file (file format must be .xml) from your local system.
3. Click Import XML to import the contact list.

**To export an XML file of contact list via web interface:**

1. Click Directory.
2. Click Export XML to export the contact list.

**To import a CSV file of contact list via web interface:**

1. Click Directory.

2. Click Choose File to select a contact list file (file format must be .csv) from your local system.
3. Click Import Csv to import the contact list.

**To export a CSV file of contact list via web interface:**

1. Click Directory.
2. Click Export Csv to export the contact list.

**Note:**

**If the xml file and CSV file more than 1000 contacts, the phone will only upload 1000 contacts.**

## Remote Phonebook

**To set Remote Phonebook via web interface:**

1. Login the web interface and click Directory → Remote Phone Book.
2. Fill the path of the remote file in the Phone Book URL field.  
For example: <http://192.168.0.240/Phonebook/Phonebook.xml>.
3. Fill the Name and then click  button to save the configuration.

Index	PhoneBook URL	Name
1	<input type="text"/>	<input type="text"/>
2	<input type="text"/>	<input type="text"/>
3	<input type="text"/>	<input type="text"/>
4	<input type="text"/>	<input type="text"/>
5	<input type="text"/>	<input type="text"/>

Update Time Interval(minutes)  [?](#)

**To check the contacts via phone interface:**

Press Directory → All Contacts → Left or Right Button, and then you can see the item you set, press enter you will find the detail.

**Note:**

Every remote contact only supports 1000 contacts.

## LDAP Phonebook

When use the LDAP feature, you can get the LDAP Phonebook directly.

**To configure LDAP via web interface:**

1. Login web interface and click Directory → LDAP.
2. Filled the LDAP Name Filter:
  - a) This parameter specifies the name attributes for LDAP searching. The “%” symbol in the filter stands for the entering string used as the prefix of the filter condition.
  - b) For example (cn=%), when the name prefix of the cn of the contact record matches the search criteria, the record will be displayed on the IP PHONE LCD.
3. Filled LDAP Number Filter:

This parameter specifies the number attributes for LDAP searching.
4. Filled Server Address: Fill the domain name or IP address of the LDAP Server.

For example: 192.168.0.9.
5. Port(the port of the LDAP Serve) Base, User Name, Password.
6. Max.Hits(1-32000): the maximum number of the search results to be returned by the LDAP server.
7. LDAP Display Name: the display name of the contact record displayed on the LCD screen.
8. Filled the relative value and then click save button the save the settings.

Following is the example screenshot for the configuration.

LDAP Name Filter	<input type="text" value="(cn=%)"/>	<a href="#">?</a>
LDAP Number Filter	<input type="text" value="((telephoneNumber=%)"/>	<a href="#">?</a>
Server Address	<input type="text" value="192.168.0.9"/>	<a href="#">?</a>
Port	<input type="text" value="389"/>	<a href="#">?</a>
Base	<input type="text" value="dc=pbx,dc=com"/>	<a href="#">?</a>
User Name	<input type="text" value="cn=admin,dc=pbx,dc=com"/>	<a href="#">?</a>
Password	<input type="password" value="*****"/>	<a href="#">?</a>
Max.Hits(1~32000)	<input type="text" value="32000"/>	<a href="#">?</a>
LDAP Name Attributes	<input type="text"/>	<a href="#">?</a>
LDAP Number Attributes	<input type="text"/>	<a href="#">?</a>
LDAP Display Name	<input type="text" value="cn"/>	<a href="#">?</a>
Search Delay(0~2000ms)	<input type="text"/>	<a href="#">?</a>
Protocol	<input checked="" type="radio"/> Version2 <input type="radio"/> Version3	<a href="#">?</a>
LDAP Lookup For Call	<input type="radio"/> On <input checked="" type="radio"/> Off	<a href="#">?</a>
LDAP Sorting Results	<input type="radio"/> On <input checked="" type="radio"/> Off	<a href="#">?</a>
LDAP Synchronize Time(0~9999mins)	<input type="text"/>	<a href="#">?</a>

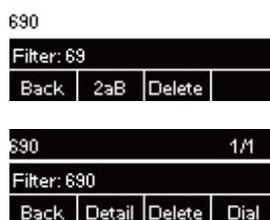
## Search Contact

You can search contact in all contacts, local contacts, remote contacts and LDAP contact.

### To search contact in all contacts:

1. Press Directory soft key on idle interface.
2. Press  or , and select All Contacts list.
3. Press More soft key, then you can see the Search soft key.
4. Press Search soft key, you can enter the desired part of name or part of number.
5. Press OK soft key, then with the search content to match the contact will be displayed on the

LCD.



**Note:**

If you don't press OK soft key, then IP Phone will display the relevant contacts automatically within 5 seconds.

**To search contact in Local contacts:**

1. Press Directory soft key on idle interface.
2. Press  or , and select Contacts list.
3. Press More soft key, then you can see the Search soft key.
4. Press Search soft key, you can enter the desired part of name or part of number.
5. Press OK soft key, then with the search content to match the contact will be displayed on the LCD.

**Note:**

If you don't press OK soft key, then IP Phone will display the relevant contacts automatically within 5 seconds.

**To search contact in Remote contacts:**

1. Press Directory soft key on Idle interface.
2. Press  or , and select Remote Contacts list.
3. Select the desired the remote contact and press Enter soft key.
4. Press Search soft key, you can enter the desired part of name or part of number.
5. Press OK soft key, then with the search content to match the contact will be displayed on the LCD.

**Note:**

If you don't press OK soft key, then IP Phone will display the relevant contacts automatically within 5 seconds.

**To search contact in LDAP contacts:**

1. Press LDAP soft key.
2. Enter the first character or more of contact's name.
3. Then IP Phone will display the relevant contacts automatically within Search Delay.

## Call History Setting

### Call History

This phone maintains call history lists of Dialed Calls, Received Calls, Missed Calls and Forwarded Calls. The call history list supports up to 100 entries in all on phone interface and more than 1500 items. You can check the call history, dial a call, add a contact or delete an entry from the call history list. You should enable the history record feature in advance.

**To enable the history record feature via phone interface:**

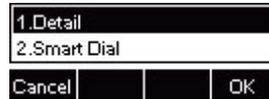
1. Press Menu → Features → History Setting.
2. Press  and  or Switch soft key to enable History record.
3. Press Save soft key to save the configuration.



**To check the call history via phone interface:**

1. Press History soft key and the LCD screen displays All Calls list.
2. Press  and  to switch among All Calls, Missed Calls, Received Calls, Dialed Calls and Forwarded Calls.
3. Press  and  to select the desired entry.

4. Press Option soft key, and then select Detail from the prompt list.
5. The detailed information of the entry appears on the LCD screen.



**To delete an entry from the call history list via phone interface:**

1. Press History soft key.
2. Press  and  to switch among All Calls, Missed Calls, Received Calls, Dialed Calls and Forwarded Calls.
3. Press  and  to select the desired entry.
4. Press Delete soft key.

**To delete all entries from the call history list via phone interface:**

1. Press History soft key.
2. Press  and  to switch among All Calls, Missed Calls, Received Calls, Dialed Calls and Forwarded Calls.
3. Press Option soft key, and then select Delete all from the prompt list.
4. Press OK soft key to confirm to delete or Cancel soft key to cancel.

**To check Call History via web interface:**

1. Click Directory → Call History.
2. Click Dialed List, Missed List, Received List, Forwarded List, then you can see the history list.

Dialed List	Missed List	Received List	Forwarded List		
Index	Date	Time	Local Identity	Name	Tel Number
1	15-01-2019	00:56:11		692	<a href="#">692</a>
2	15-01-2019	00:56:04		698	<a href="#">698</a>
3	15-01-2019	00:56:02		667	<a href="#">667</a>
4	15-01-2019	00:55:57		641	<a href="#">641</a>
5	15-01-2019	00:55:43		918052558963	<a href="#">918052558963</a>
6	15-01-2019	00:54:57		6666	<a href="#">6666</a>
7	15-01-2019	00:54:49		698	<a href="#">698</a>
8	15-01-2019	00:54:41		Nancy	<a href="#">801</a>
9	15-01-2019	00:54:31		Nico	<a href="#">800</a>
10	12-01-2019	00:52:13		851	<a href="#">851</a>
11	12-01-2019	00:46:16		851	<a href="#">851</a>
12	08-01-2019	02:58:08		666	<a href="#">666</a>
13	08-01-2019	02:55:20		690	<a href="#">690</a>
14	08-01-2019	02:55:15		69	<a href="#">69</a>

**To dial a call from Call History via web interface:**

1. Click Directory → Call History.
2. Select the desired history item, and click Tel Number.
3. Then the call is dialed on phone.

Dialed List	Missed List	Received List	Forwarded List		
Index	Date	Time	Local Identity	Name	Tel Number
1	15-01-2019	00:56:11		692	<a href="#">692</a>
2	15-01-2019	00:56:04		698	<a href="#">698</a>
3	15-01-2019	00:56:02		667	<a href="#">667</a>
4	15-01-2019	00:55:57		641	<a href="#">641</a>
5	15-01-2019	00:55:43		918052558963	<a href="#">918052558963</a>
6	15-01-2019	00:54:57		6666	<a href="#">6666</a>
7	15-01-2019	00:54:49		698	<a href="#">698</a>
8	15-01-2019	00:54:41		Nancy	<a href="#">801</a>
9	15-01-2019	00:54:31		Nico	<a href="#">800</a>
10	12-01-2019	00:52:13		851	<a href="#">851</a>
11	12-01-2019	00:46:16		851	<a href="#">851</a>
12	08-01-2019	02:58:08		666	<a href="#">666</a>
13	08-01-2019	02:55:20		690	<a href="#">690</a>
14	08-01-2019	02:55:15		69	<a href="#">69</a>
15	08-01-2019	01:40:03		1	<a href="#">1</a>

**To Dial a call from Call History via phone interface:**

1. Press History soft key or press Menu → History → Local history.
2. Press  and  to select the targeted one.
3. Press Send soft key, or , or , or the corresponding line key.

## Audio setting

### Ring Tone

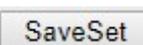
You can adjust the type and volume of the ring tone.

**To adjust Ring Tone Type via phone interface:**

1. Press Menu → Settings → Basic Setting → Ring Tone.
2. Press  and  to select the wanted one.
3. Press  or Save soft key to save the configuration.



**To adjust Ring Tone Type via web interface:**

1. Setting → Preference → Ring Tone.
2. Select the wanted one.
3. Click  button to save the configuration.

Screen Time Out	<input type="text" value="off"/>	
Text Logo	<input type="text"/>	<a href="#">?</a>
ScreenSaver Type	<input type="text" value="time &amp; logo"/>	
Ring Tones	<input type="text" value="Ring2.bin"/>	
Ring Volume	<input type="text" value="11"/>	<a href="#">?</a>
NO Key Entry Timeout(seconds)	<input type="text" value="0"/>	<a href="#">?</a>

**To configure Distinctive Ring Tone via phone interface:**

1. Press Directory.
2. Select the target contact.
3. Press Detail soft key to edit the contact.
4. Press  and  to select the wanted Ring Tone for the contact.
5. Press Save soft key to save the contact.

**To configure Distinctive Ring Tone via web interface:**

1. Directory → Directory → Contact.
2. Select the target contact.
3. Choose the Ring Tone you want to use.
4. Click  button and then click  button to save the configuration.

Contact
BlackList
[Hangup](#)

Index	Display Name	Office Number	Mobile Number	Other Number	Account	All
1	Julex	<a href="#">802</a>			Auto	<input checked="" type="checkbox"/>
2	Nancy	<a href="#">801</a>			Account 1	<input type="checkbox"/>
3	Nico	<a href="#">800</a>			Account 1	<input type="checkbox"/>

Save
Delete
Move to Contact/blacklist

**Contact**

Name:

Office Number:

Mobile Number:

Other Number:

Account:

Ring:

Group:

Photo:

Add
Edit
Search

**Import Local Contacts**

Choose File:

Import XML:

Choose File:

Import Csv:   Show Title

**GroupInfo**

Group:

Ring:

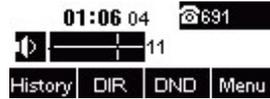
Add
Edit
Delete
Delete All

## Volume

You can adjust the volume for the phone by the volume keys: and .

### To adjust Ring Tone volume via phone interface:

- Option 1: To press and on the idle page.



- Option 2: To press and during the call is ringing.

**To adjust the handset volume via phone interface:**

To press and during a call in handset mode.



**To adjust the headset volume via phone interface:**

To press and during a call in headset mode.



**To adjust the speaker Volume via phone interface:**

To press and during a call in speaker mode.



## Voice Mail Tone

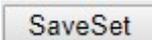
This option can set whether to play the beep for phone's voice mail.

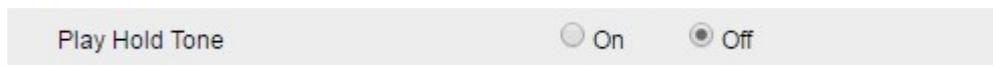
- Click Setting → Preference.
- Select On or Off for Voice Mail Tone.
- Click button for the setting.



## Play Hold Tone

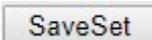
When you hold the phone, set whether to play hold tone.

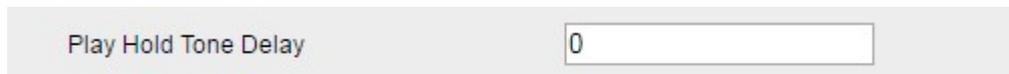
1. Click the Setting → Preference.
2. Set On or Off for Play Hold Tone.
3. Click  button for the setting.



## Play Hold Tone Delay

When you hold the phone, set how many seconds to play beep.

1. Click Setting → Preference.
2. Set Enable or Disable for Play Hold Tone Delay.
3. Click  button for the setting.



## System Settings

### Dial Plan

Dial plan is a string of characters that governs the way this phone processes the inputs received from your phone keypad. This phone supports dial plan with following accept digits:

1,2,3,4,5,6,7,8,9,0,\*,#

Grammar	Description
x	any digit from 0-9;

xx+	at least 2 digit number;
^	exclude;
,	hear dial tone;
[3-5]	any digit of 3, 4, or 5;
[147]	any digit 1, 4, or 7;
<2=011>	replace digit 2 with 011 when dialing.

**To configure Dial Plan via web interface:**

1. Click Account → Basic → Dial Plan.
2. Filled the value in dial plan field.
3. Click **SaveSet** button to save the configuration.



Voice Mail UserID  ?

**Dial Plan**

Eventlist BLF URL

**Note:**

**Illegal input will fall back to default: {[x\*]+}.**

## Dial-Now Timeout

Dial-Now Timeout means that when you enter the number which is matching with dial plan, it will dial out automatically after some time when you stop entering the number.

**To configure Dial-Now Timeout via web interface:**

1. Click Setting → Preference.
2. Fill the blank of Dial-Now Timeout: for example, 5(seconds).(0 means dial out immediately).
3. Click **SaveSet** button to save the configuration.

## No Key Entry Timeout

No Key Entry Timeout means that when you enter the number, it will dial out automatically after some time when you stop enter the number.

### To configure No Key Entry Timeout via web interface:

1. Click Setting → Preference.
2. Fill the blank of No Key Entry Timeout: for example, 5(seconds).0 means never timeout, you should press the send key the dial out the number.
3. Click  button to save the configuration.



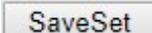
NO Key Entry Timeout(seconds)  ?

## Emergency Call

Public telephone networks in countries around the world have a single emergency telephone number (emergency services number), that allows a caller to contact local emergency services for assistance when required. The emergency telephone number may differ from country to country. It is typically a three-digit number so that it can be easily remembered and dialed quickly. Some countries have a different emergency number for each of the different emergency services.

You can specify the emergency telephone numbers on the IP phone for contacting the emergency services in an emergency situation.

### To configure Emergency call via web interface:

1. Click Setting → Features → Phone Lock.
2. Enter the emergency services number in the Emergency field.
3. Click  button to save the configuration.

**Phone Lock**

Keypad Lock All Keys ▾

Phone Unlock Pin(0~15digital) .....

Auto Lock Time-Out(15~3600s) 15

Emergency 110,120,119

## Label Scroll

When setting function keys, you need to set the label of the function keys. If the words are too long to show on the label, you can use this function to make labels scroll. Another approach is to set the labels to long label mode.

### To configure Label Scroll via web interface:

1. Click Setting → Preference.
2. Select Enable or Disable for Label Scroll.
3. Click SaveSet button for the setting.

Lable Scroll Disable ▾

Use # As Dial Key Disable  
Enable ?

## Show Missed Calls

Whether to show missed call notification on LCD.

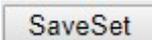
### To configure Label Scroll via web interface:

1. Click Setting → Preference.
2. Select Yes or No for Show Missed Calls.
3. Click SaveSet button for the setting.

Show Missed Calls  Yes  No ?

## Auto Logout Time

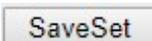
Set the Web Login timeout.

1. Click Setting → Preference.
2. Set number 1~5000 min for Auto Logout Time.
3. Click  button for the setting.

Auto Logout Time (1 ~ 5000 min)

## Reboot in Talking

This function is to allow reboot during the calls or not.

1. Click Setting → Preference.
2. Set Enable or Disable for Reboot in Talking.
3. Click  button for the setting.

Reboot in Talking

## Detect IP Conflict

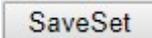
LCD can display message when IP conflict.

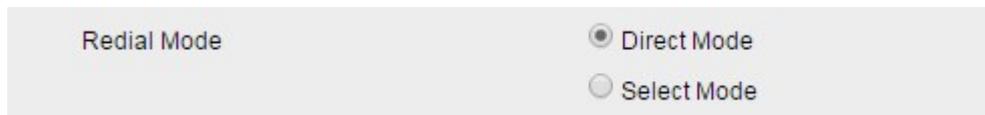
1. Click Setting → Preference.
2. Set Enable or Disable for Detect IP Conflict.
3. Click  button for the setting.

Detect IP Conflict

## Redial Mode

Call redial has two ways:(1) To redial the last placed call from the IP Phone (2) To redial the call from all calls list.

1. Click Setting → Preference.
2. Set Direct Mode or Select Mode for Redial Mode.
3. Click  button for the setting.



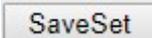
Redial Mode

Direct Mode

Select Mode

## Suppress DTMF Display

In order to ensure safety in Call process, you can choose whether to hide DTMF.

1. Click Setting → Preference.
2. Select On or Off for Suppress DTMF Display.
3. Click  button for the setting.

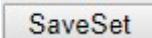


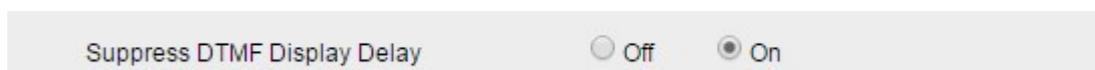
Suppress DTMF Display

Off  On

## Suppress DTMF Display Delay

In order to ensure safety in Call process, you can choose whether to hide DTMF.

1. Click Setting → Preference.
2. Select On or Off for Suppress DTMF Display Delay.
3. Click  button for the setting.



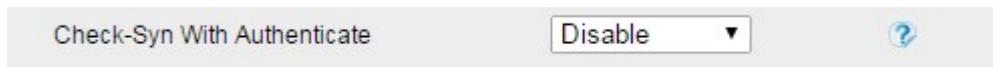
Suppress DTMF Display Delay

Off  On

## Check-Syn With Authenticate

If this option is enabled, the server needs to be authenticated before the phone agrees to synchronize.

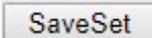
1. Click Setting → Preference.
2. Set Enable or Disable for Check-Syn With Authenticate.
3. Click  button for the setting.



## Other features settings

### Action URL

**To configure Action URL via web interface:**

1. Click Setting → Action URL
2. Fill the needed values in the designated blank spaces.
3. Click  button to save the setting.

Setup Completed	<input type="text"/>	<a href="#">?</a>
Log On	<input type="text"/>	<a href="#">?</a>
Log Off	<input type="text"/>	<a href="#">?</a>
Register Failed	<input type="text"/>	<a href="#">?</a>
Off Hook	<input type="text"/>	<a href="#">?</a>
On Hook	<input type="text"/>	<a href="#">?</a>
Incoming Call	<input type="text"/>	<a href="#">?</a>
Outgoing Call	<input type="text"/>	<a href="#">?</a>
Call Established	<input type="text"/>	<a href="#">?</a>
Call Terminated	<input type="text"/>	<a href="#">?</a>
Open DND	<input type="text"/>	<a href="#">?</a>
Close DND	<input type="text"/>	<a href="#">?</a>
Open Always Forward	<input type="text"/>	<a href="#">?</a>

## Softkey Layout

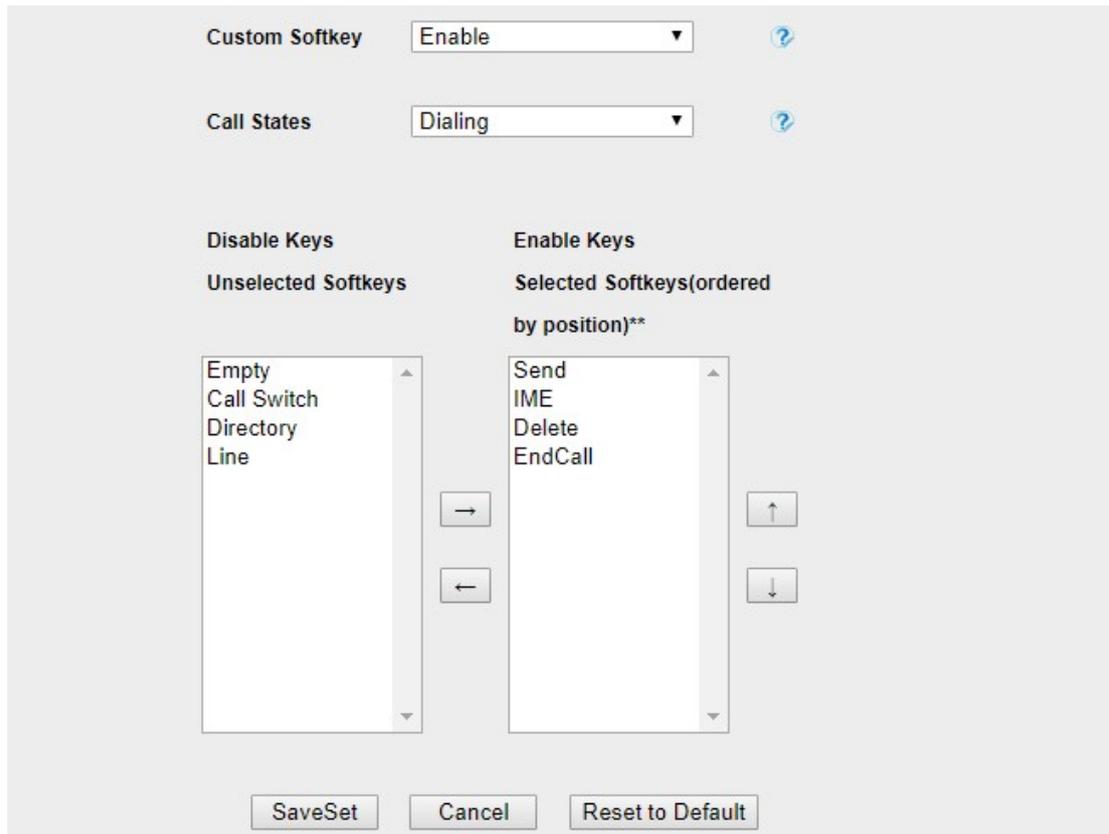
This feature mainly defines which shown on the soft key in some status. For example, what the soft key displays when dialing, or talking.

### To configure Soft key via web interface:

1. Click Setting → Softkey Layout.
2. Select Enable for Custom Softkey.
3. Select call States.
4. Select the feature form the disable key to enable key field by .

Disable to Enable field.  Delete the Enable, and it will back to Disable field.

5. Click  or  to change to position or each feature.
6. Click  button to save the configuration.



**Note:**

When there more than 5 items in the Enable field, the last softkey will display More, and last two item will show in the next page softkey, you can check by press more.

## Programmable Key

For the default keys as Soft keys, Navigation keys and so on, you can define them as some specific feature, and it works only on the idle page.

**To configure Programmable Key via web interface:**

1. Click Function Keys → Programmable Keys.
2. Select the desired Key to set.
3. Click **SaveSet** to save the setting.
4. If click **Reset To Default**, all setting of the keys will be back to default.

Key	Type	Label	Account	Value
SoftKey1	History		Account 1	
SoftKey2	Directory		Menu View	
SoftKey3	DND		Account 1	
SoftKey4	Menu		Account 1	

Key	Type	Account	Value
Up	History	Account 1	
Down	Directory		
Left	Switch Account Up	Account 1	
Right	Switch Account Dowlr	Account 1	
OK	Status	Account 1	
Cancel	N/A	Account 1	
MUTE	N/A	Account 1	
CONF	N/A	Account 1	
TRAN	Forward	Account 1	
HOLD	N/A	Account 1	
Speaker	Speaker	Account 1	
Headset	Headset	Account 1	
VM	VM	Account 1	
Volume Up	Volume Up	Account 1	
Volume Down	Volume Down	Account 1	

## Basic Call Features

### Place a Call

There are three ways to dialing a call: Handset, Headset and Hands-free speakerphone.

#### To place a call by Handset:

1. Pick up the handset, or press a line key and dial the necessary number.

2. Press  or press Send soft key, then the call is sending.

### To place a call by Headset:

1. Press the .
2. Enter the desired number.
3. Press  or press Send soft key, then the call is sending.

### Using headset to place and answer calls for all time:

1. Click web interface Setting → Preference.
2. HeadSet Priority → Enable.
3. Ring Device For HeadSet → Use Headset.
4. Press .

Refresh Caller Id Via Contact	Disable ▼
HeadSet Priority	Disable ▼
Ring Device For HeadSet	Use Speaker ▼
Redial Mode	<input checked="" type="radio"/> Direct Mode <input type="radio"/> Select Mode
Intercom Barge	<input type="radio"/> On <input checked="" type="radio"/> Off <a href="#">?</a>
Show Missed Calls	<input checked="" type="radio"/> Yes <input type="radio"/> No <a href="#">?</a>
Suppress DTMF Display	<input type="radio"/> Off <input checked="" type="radio"/> On
Suppress DTMF Display Delay	<input type="radio"/> Off <input checked="" type="radio"/> On
Voice Mail Tone	<input checked="" type="radio"/> On <input type="radio"/> Off
Busy Tone Timer (0~5s)	<input type="text" value="4"/>
Auto Logout Time (1 ~ 5000 min)	<input type="text" value="6"/>

### Placing a call by hands-free speakerphone:

1. Press  and then you can hear the dial tone.
2. Press the number.
3. Press  or press the Send soft key, then the call is sending.

**To place a call by call history or Directory via phone interface:**

1. Press History soft key (On the idle page) or Menu → History /Directory.
2. Press  and  to select the targeted one.
3. Press Send soft key, or , or , then the call is sending.

**Note:**

1. The  key is set to be a send key. For more information, refer to the Key as Send on page
2. During the call, you can also change among Headset, Handset or Free-speaker mode.

## End a Call

Here shows to end a call during three modes:

**To end a call by Handset:**

Press End Call soft key or hang up the handset.6t

**To end a call under Headset Mode:**

Press End Call soft key or press .

**To end a call under hands-free speakerphone Mode:**

Press End Call soft key or press .

**Note:**

**During the conference, to end the call is same as mentioned above.**

## Redial a Call

1. To redial the last placed call from the IP Phone.
2. Press  directly when LCD is on the idle interface.

## Receive a Call

There are three ways to receive a call when the phone is ringing.

### To receive a call by handset:

Pick up the handset the conversation is built.

### To receive a call by headset:

Press  and now the conversation is built.

### To receive a call by hands-free speaker:

1. Option 1: Press  directly.
2. Option 2: Press Answer soft key.

Moreover, some other action can be done by soft key when the call is coming.

1. Press Reject soft key to reject the call.
2. Press Forward softkey to forward to another phone.
3. Press Silence soft key, and then the call will keep silent, no ring tone display.

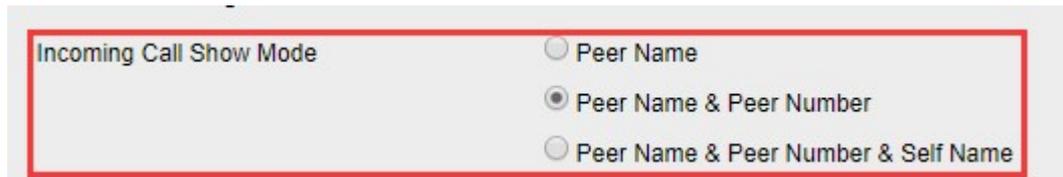
## Incoming Call Show Mode

There are two incoming call show modes for this phone:

1. name and number of the contacts.
2. name and number of the incoming call and the account which is connecting.

**To set incoming call show mode via web interface:**

1. Click Setting → Preference.
2. Select the desired mode for the incoming call show mode.
3. Click  button to save the setting.

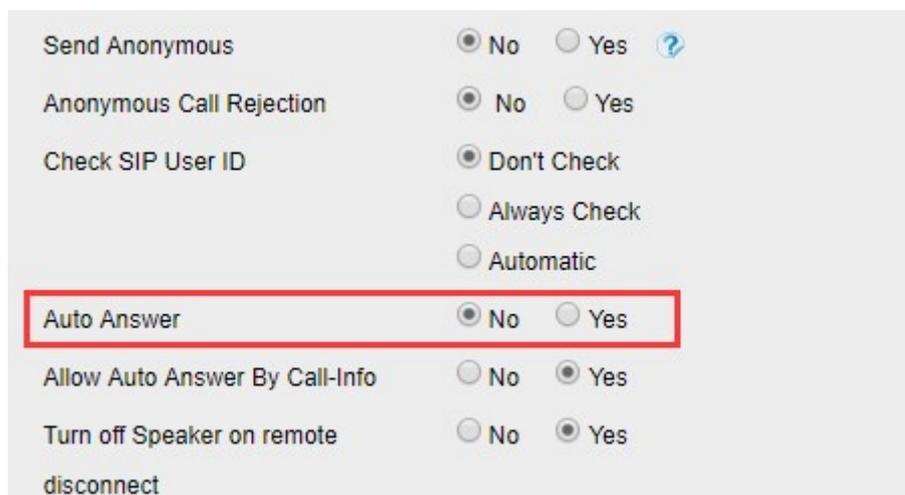


## Auto Answer

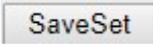
Enable auto answer feature, you will answer all incoming call automatically.

**To enable Auto Answer via web interface:**

1. Click Profile → Advanced.
2. Choose Yes for the Auto Answer.
3. Click  button to save the configuration.



**To Disable Auto Answer via web interface:**

1. Click Account → Advanced.
2. Choose No for the Auto Answer.
3. Click  button to save the configuration.

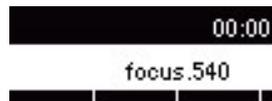
## Call Hold

When use hold feature, the Hold icon will show on the display.

To make a call on hold during three modes:

### To hold a call under handset mode:

1. Press Hold soft key to hold the current call.



2. Press Resume soft key to resume the call on hold.



### To hold a call under headset mode:

1. Press Hold soft key to hold the current call.
2. Press Resume soft key to resume the call on hold.

### To hold a call during the speaker mode:

1. Press Hold soft key to hold the current call.
2. Press Resume soft key to resume the call on hold.

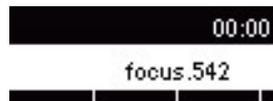
## Call Transfer

This phone supports blind, attended and Semi-Attended Transfer.

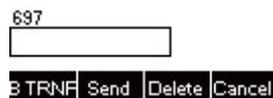
### Blind Transfer:

When you use this feature, you can transfer

1. Press Transfer soft key during the conversation, the call is on hold now.



2. Enter the number that transfers to.



3. Press B Transfer soft key , and now the blind transfer completed.

### Attended Transfer:

When you use this feature, you can

1. Press Transfer soft key during the conversation, the call is on hold now.
2. Enter the number that transfer to, and press Send soft key or .
3. Start the second conversation, press Transfer soft key, then, transfer completed.

#### NOTE:

**To transfer calls across SIP domains, SIP service providers must support transfer across SIP domains. Blind transfer will usually use the primary account SIP profile.**

### Semi-Attended Transfer:

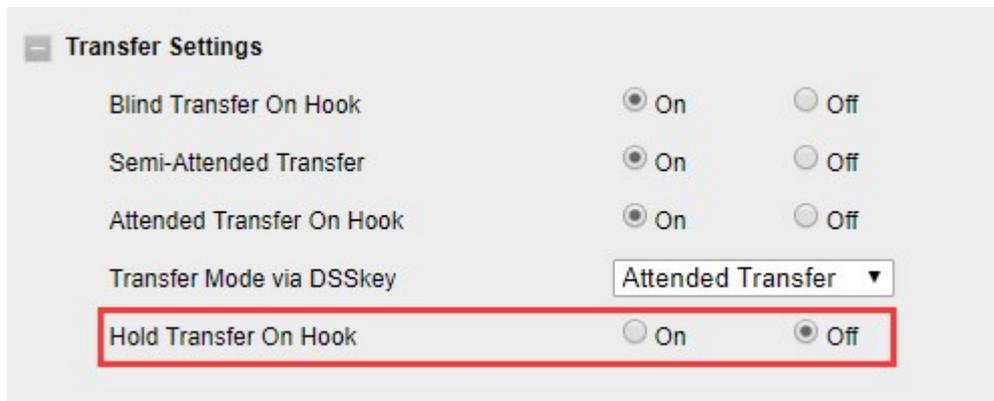
1. Press Transfer soft key during the conversation, the call is on hold now.
2. Enter the number transfer to, and then press , then you can hear the ring tone.

3. Press Transfer soft key, and now the Semi-attended transfer completed.

### Hold Transfer On Hook:

Setting → Features → Transfer Setting: Hold Transfer On Hook: On.

A place a call to B, B answer, A press Hold soft key and place a call to C, A hook on the call when C is ringing or answering, then C and B in the same call and the transfer is successful.



## Call Conference

This IP Phone supports up to 5-way conference.

### 5-way conference

1. Assuming that call party A and B are in conversation. A wants to bring C, D and E in a conference.
2. A press Conference soft key, the call is placed on hold.
3. A enter the number of C and then press Send soft key or .
4. C answering the call.
5. A press Conference soft key, then A, B and C are now in a conference.(and now this is **3-way conference**)



6. A press Hold soft key, the current 3-way conference is placed on hold.
7. A press New Call soft key and enter the number of D, then press Send soft key or .
8. D answering the call.
9. A press Conference soft key, then A, B, C and D are now in a conference.(and now this is 4-way conference)
10. A press Hold soft key, the call is placed on hold.
11. A press New Call soft key and enter the number of E,then press send soft key or .
12. E answering the call.
13. A press Conference soft key, then A, B, C, D and E are now the **5-way conference** is built.
14. A end the call, the conference is finished.

**Note:**

1. **If C does not answer the call, A can back to continue the conversation with B.**
2. **Once A hangs up the call, the conference is ended, while if B or C drops the call, A&C or A&B conversation continues.**
3. **The conference feature is not available on all servers. For more information, contact your system administrator.**
4. **To realize the 5 way conference, the line should be all available.**

## Call Forward

This phone supports static forward (always forward, busy forward and no answer forward) and dynamic forward

### To configure static forward

#### To configure Always Forward:

With this feature, all incoming calls will forward immediately to configured number.

1. Press Menu → Features → Call forward → Always Forward.
2. Press  and  or press Switch soft key to select the enable choice.



3. Enter the forward to number and on code (optional), off code (optional).
4. Press  or Save soft key to save the configuration.

#### To configure Busy Forward:

With this feature, the incoming calls are immediately forwarded if the phone is busy.

1. Press Menu → Features → Call forward → Busy Forward.
2. Press  and  or press Switch soft key to select the enable choice.
3. Enter the forward to number and on code (optional), off code (optional).
4. Press  or Save soft key to save the configuration.

#### To configure No Answer Forward:

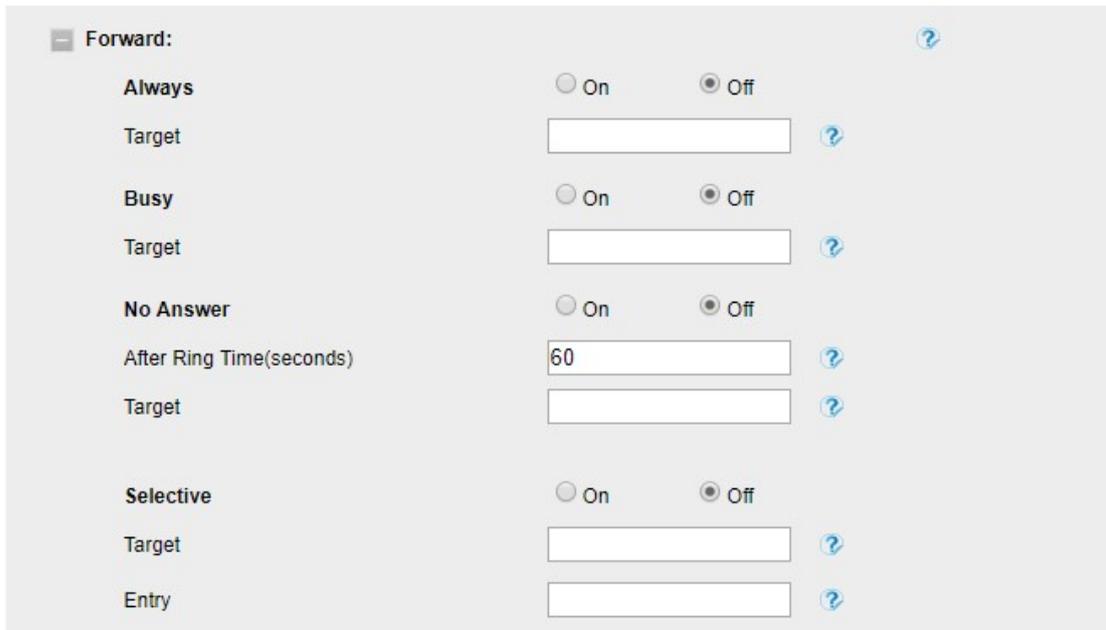
No Answer Forward: Incoming calls are forwarded if not answered after some time.

1. Press Menu → Features → Call forward → No Answer Forward.
2. Press  and  or press Switch soft key to select the enable choice.
3. Enter the forward number, After Ring Time and on code (optional), off code (optional).
4. Press  or Save soft key to save the configuration.

When the Forward feature is enabled, the Forward Icon will display on Top of the LCD.

**To configure Forward via web interface:**

1. Setting → Features.
2. Click On for the Always/Busy/No Answer.
3. Fill the Forward to Number and After Ring Time.
4. Fill the on/off code(optional).
5. Click  button to save the configuration.



**Forward:** ?

**Always**  On  Off

Target  ?

**Busy**  On  Off

Target  ?

**No Answer**  On  Off

After Ring Time(seconds)  ?

Target  ?

**Selective**  On  Off

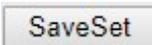
Target  ?

Entry  ?

**To cancel the forward feature via phone interface:**

1. Press Menu → Features → Call Forward → Always/Busy/No Answer Forward.
2. Press  and  or press Switch soft key to select the disable choice.
3. Press  or Save soft key to save the configuration.

**To cancel the forward feature via Web interface:**

1. Setting → Features.
2. Click Off for the Always/Busy/No Answer.
3. Click  button to save the configuration.

**To configure dynamic forward**

**Forward an incoming call during the ringing:**

1. When the phone is ringing, press Forward soft key.



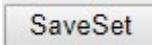
2. Enter the forward number or select the desired number from Directory softkey (Precondition: local directory has one or more contacts).
3. Press  or press the send soft key, then the call is forwarded.

**Note:**You can choose a desired forward number from the Directory when you press the Forward key.

## Call Return

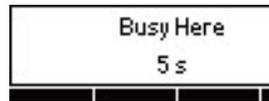
This feature allows you to dial the last phone call you received.

**To configure Call Return via web interface:**

1. Click Function Keys → Programmable Key.
2. Select the desired Softkey and select Call Return in the Type.
3. Click the  button to save the configuration.

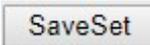
## Call Back

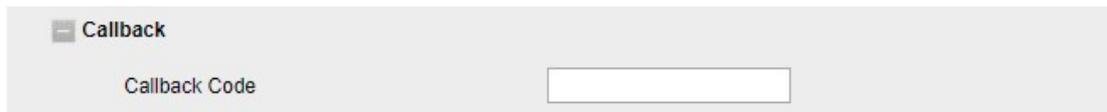
When this option is set, if the phone you call is busy and does not set call waiting or voice mail, your LCD screen will prompt for call-back, as shown in figure.



If you press the callback, the phone will dial the Callback phone number.

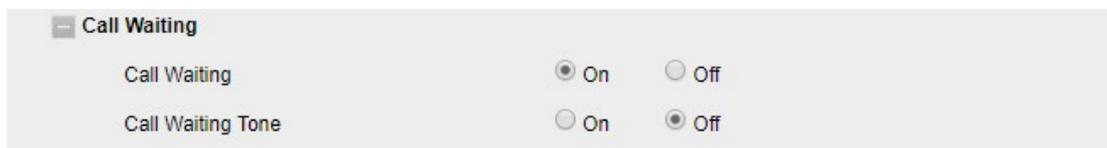
### To configure Call Back via web interface:

1. Click Setting → Features → Callback.
2. Fill the Callback phone number.
3. Click  button to save the configuration.

A screenshot of a web interface. It features a grey header with a minus sign icon and the text "Callback". Below the header, there is a label "Callback Code" followed by an empty white text input field.

## Call Waiting Tone

1. Click Setting → Features → Call Waiting.
2. Select Call Waiting: On and Call Waiting Tone: On.

A screenshot of a web interface. It features a grey header with a minus sign icon and the text "Call Waiting". Below the header, there are two rows of radio button options. The first row is "Call Waiting" with "On" selected (radio button filled) and "Off" unselected. The second row is "Call Waiting Tone" with "On" unselected and "Off" selected (radio button filled).

### To Change Call Waiting Tone time via web interface:

1. Click Setting → Tones.

Select Country	Custom
Dial Tone	f1=350@-13,f2=440@-13,c=0/0;
Ringback Tone	f1=440@-19,f2=480@-19,c=2000/4000;
Busy Tone	f1=480@-24,f2=620@-24,c=500/500;
Reorder Tone	f1=480@-24,f2=620@-24,c=250/250;
Confirmation Tone	f1=350@-11,f2=440@-11,c=100/100-100/100-100/100;
Call Waiting Tone	f1=440@-13,c=300/10000-300/10000-0/0;

**Syntax: f1=freq@vol, f2=freq@vol, c=on1/off1-on2/off2-on3/off3; [...]**  
**Note: freq: 0 - 4000Hz; vol: -30 - 0dBm**

2. Change the Tone Time as you want (for example 3s).

Call Waiting Tone	f1=440@-13 c=300/10000-300/10000-0/0;
-------------------	---------------------------------------

## Hide Caller ID

Just enable the unknown/hidden caller feature, by enabling Anonymous call feature thereby the receiver won't be able to know who is calling them.

### To configure Anonymous Call:

1. Press Menu → Features → Anonymous Call.
2. Press Enter soft key into the Account ID.
3. Press  and  or press Switch soft key to select the enable choice in Anonymous Call filed.
4. Enter the call on code (optional), call off code (optional).
5. Press  or Save soft key to save the configuration.

---

**To cancel Anonymous Call feature:**

1. Press Menu → Features → Anonymous Call.
2. Press Enter soft key into the Account ID.
3. Press  and  or press Switch soft key to select the disable choice in Anonymous Call filed.
4. Press  or Save soft key to save the configuration.

## Reject Anonymous

If you do not want to be disturb by anonymous calls, you can set the reject anonymous call features, so you will not hear the unknown calls

**To configure Rejecting Anonymous Call:**

1. Press Menu → Features → Anonymous Call.
2. Press Enter soft key into the Account ID.
3. Press  and  or press Switch soft key to select the enable choice in Rejection filed.
4. Press  or Save soft key to save the configuration.

**To cancel Rejecting Anonymous Call:**

1. Press Menu → Features → Anonymous Call.
2. Press Enter soft key into the Account ID.
3. Press  and  or press Switch soft key to select the disable choice in Rejection filed.
4. Press  or Save soft key to save the configuration.

## Call Mute

When you use the Mute feature, the other parties will not hear your voice while you can hear their voice. Call mute applies to all modes (handset, headset, and speakerphone).

### To mute the call during a call (including a conference call):

1. Press the mute key , then the mute key glows green, and the LCD display Mute Icon.



2. To disable the mute function, press  again.

## DND

When you use the DND feature, the phone is to reject all incoming calls automatically and you can see the DND icon shown on the Top of the LCD on idle page.

### To enable DND feature via phone interface:

Press DND soft key when the phone is idle, and then DND icon shown on the LCD.

### To disable DND feature via phone interface:

Press DND soft key again, and then there is no DND icon on the LCD.

## Keypad Lock

### To enable Keypad Lock via phone interface:

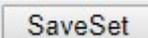
1. Press Menu → Settings → Advanced Setting → Phone Setting → Lock.
2. Press Info or Switch to change choose lock type: All Keys/Menu Key/Function Key/Lock & Answer.
3. Press Save or OK soft key to save the configuration.

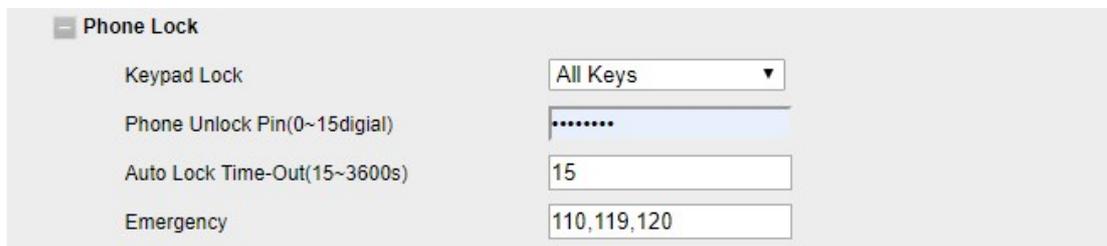
---

**To disable Keypad Lock via phone interface:**

1. Press Menu → Settings → Advanced Setting → Phone Setting → Lock.
2. Press Info or Switch to change to choose Off.
3. Press Save or OK key to save the configuration.

**To enable Keypad Lock via web interface:**

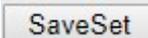
1. Click web interface Setting → Features.
2. Choose the Phone Lock.
3. Fill the unlock PIN and auto lock time.
4. Fill the Emergency Number, when the phone is Lock, only Emergency Number can be sent.
5. Click  button to save the configuration.



The screenshot shows a configuration panel titled "Phone Lock" with a minus sign icon on the left. It contains four rows of settings:

Keypad Lock	All Keys
Phone Unlock Pin(0~15digital)	*****
Auto Lock Time-Out(15~3600s)	15
Emergency	110,119,120

**To Disable Keypad Lock via web interface:**

1. Click Web interface Setting → Features.
2. Choose Disable for the Phone Lock.
3. Click  button to save the configuration.

## Hot Line

**To configure Hot Line:**

1. Press Menu → Features → Hot Line.

2. Enter the Number and delay time (as present, we support off hook auto dial).
3. Press  or Save soft key to save the configuration.

**To configure Hot Line auto dial via web interface:**

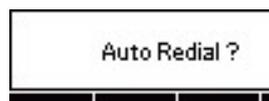
1. Click Setting → Features.
2. Fill the number in the Hotline Number and Hotline Time-out.
3. Click  button to save the configuration.



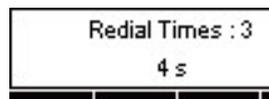
Delete the Hotline number and save the configuration, and then now the Hotline auto dial is cancelled.

## Auto Redial

When this option is set, if the phone you call is busy and does not set call waiting or voice mail, your LCD screen will prompt for Auto Redial, as shown in figure.



If you press OK, your LCD will prompt Auto Redial Interval and Auto Redial Times.



**To configure Auto Redial via web interface:**

1. Click Setting → Features → Auto Redial.
2. Select On or Off for Auto Redial.

3. Fill the number 1~300 seconds for the Auto Redial Interval.
4. Fill the number 1~300 times for the Auto Redial Times.
5. Click **SaveSet** button to save the configuration.

**Auto Redial**

Auto Redial  On  Off

Auto Redial Interval (1~300s)

Auto Redial Times (1~300)

## Function Key Features and Settings

### Speed Dial

With this feature, you can dial one number by pressing the configured speed dial key.

**To configure Speed Dial feature via web interface:**

1. Click Function Keys → Programmable Key.
2. Select the wanted Soft Key and set as Speed Dial.
3. Enter the desired phone number in the Value field.
4. Select the Account ID.
5. Click **SaveSet** button to save the configuration.

Key	Type	Label	Account	Value
SoftKey1	Speed Dial ▼	666	Account 1 ▼	666
SoftKey2	Directory ▼		Menu View ▼	
SoftKey3	DND ▼		Account 1 ▼	
SoftKey4	Menu ▼		Account 1 ▼	

## Voice Message

### To configure the Voice Mail feature via phone interface:

1. Press Menu → Messages → Voice Mail → Set Voice Mail.
2. Enter the Account No.1.
3. Press  or Save soft key to save the configuration.

### To leave a voice mail:

You can leave a voice mail when the receiver is busy or its inconvenient for them to answer the call. Follow the voice prompt from the system server to leave a voice mail, and then hang up.

### To listen to voice mails:

When the phone interface prompts receiving new voice mail's icon, the power indicator LED flashes red(Setting → Preference: Enable Voice Message Status).

1. Pressing  to dial out the voice mail access code.
2. Follow the voice prompt to listen to voice mail.

### To view Voice Mail via phone interface:

Press Menu → Messages → Voice Mail → View Voice Mail.

The LCD screen displays the amount of new and old voice mails.



#### Note:

**This feature is not available on all servers. For more information, contact your system administrator.**

**Before listening to voice mails, make sure the voice mail access code has been configured.**

**When all new voice mails are retrieved, the power indicator LED will go out.**

## Direct Pickup

With this feature, you can pick up the set line when it ringing.

### To configure Direct Pickup feature via web interface:

1. Click Function Keys → Programmable Key.
2. Select the wanted Soft Key and set as Direct Pickup.
3. Enter the pickup code and followed the desired phone number in the Value field.
4. Select the Account ID.
5. Click the  button to save the configuration.

Key	Type	Label	Account	Value
SoftKey1	Direct Pickup ▼		Account 1 ▼	*20*666
SoftKey2	Directory ▼		Menu View ▼	
SoftKey3	DND ▼		Account 1 ▼	
SoftKey4	Menu ▼		Account 1 ▼	

## Group Pickup

With this feature, you can pick up the specified group that you want incoming calls.

### To configure the Group Pick up via web interface:

1. Click Function Keys → Programmable Key.
2. Select the desired Line Key and select Group Pickup in the Type.
3. Enter the pickup code and followed the desired Group number in the Value field.
4. Click the  button to save the configuration.

Key	Type	Label	Account	Value
SoftKey1	Group Pickup ▼		Account 1 ▼	*04666
SoftKey2	Directory ▼		Menu View ▼	
SoftKey3	DND ▼		Account 1 ▼	
SoftKey4	Menu ▼		Account 1 ▼	

## Intercom

When use the intercom feature, you can quickly get access connect to the configured one.

### To configure Intercom feature via web interface:

1. Click Function Keys → Programmable Key.
2. Select the wanted Soft Key.
3. Enter intercom codes followed by desired number in the Value field.
4. Select the Account ID.
5. Click  button to save the configuration.

Key	Type	Label	Account	Value
SoftKey1	Intercom ▼		Account 1 ▼	*80666
SoftKey2	Directory ▼		Menu View ▼	
SoftKey3	DND ▼		Account 1 ▼	
SoftKey4	Menu ▼		Account 1 ▼	

If you want to achieve the intercom feature, you must enable the “Allow Auto Answer By Call-Info”.

1. Click Profile → Advanced.
2. Select the desired profile from the pull-down list of Profile in the Profile field.
3. Enable the “Allow Auto Answer By Call-Info”.

4. Click  button to save the configuration.

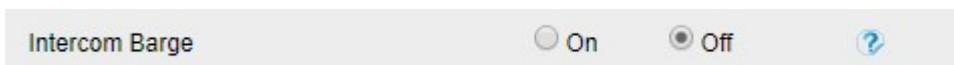


Auto Answer  No  Yes  
Allow Auto Answer By Call-Info  No  Yes  
Turn off Speaker on remote disconnect  No  Yes

## Intercom Barge

If this option is enabled, when there is an active call and an incoming intercom call arrives, the previous call will be put on hold and the intercom call will be answered.

1. Click the Setting → Preference.
2. Set On or Off for Intercom Barge.
3. Click  button for the setting.



Intercom Barge  On  Off 

### Note:

**This feature is not available on all servers. For more information, contact your system administrator.**

## Prefix

If the key is configured as Prefix key, you can set the number prefix (e.g. Before the number plus 9), then you don't input 9, press the key and 9 will display on the LCD interface.

### To configure Prefix via web interface:

1. Click Function Keys → Programmable Key.
2. Select the desired Soft Key and select Prefix in the Type.
3. Fill the value.

- Click **SaveSet** button to save the configuration.

Then when you press this key, the set value is input directly.

Key	Type	Label	Account	Value
SoftKey1	Prefix ▼		Account 1 ▼	6
SoftKey2	Directory ▼		Menu View ▼	
SoftKey3	DND ▼		Account 1 ▼	
SoftKey4	Menu ▼		Account 1 ▼	

## Local Group

When use the Local Group feature, press the key and enter the local Contacts interface quickly.

**To configure Local Group via web interface:**

- Click Function Keys → Programmable Key.
- Select the desired Soft Key and select Local group in the Type.
- Click **SaveSet** button to save the configuration.

Then you can press the local group key to access the pre-defined contact group in the local directory quickly.

Key	Type	Label	Account	Value
SoftKey1	Local Group ▼		Account 1 ▼	
SoftKey2	Directory ▼		Menu View ▼	
SoftKey3	DND ▼		Account 1 ▼	
SoftKey4	Menu ▼		Account 1 ▼	

## XML Group

When use the XML Group feature, press the key and enter the Remote Contacts interface quickly.

**To configure XML Group via web interface:**

1. Click Function Keys → Programmable Key.
2. Select the desired Key and select XML group in the Type.
3. Click  button to save the configuration.

Key	Type	Label	Account	Value
SoftKey1	XML Group ▼		remote pho ▼	
SoftKey2	Directory ▼		Menu View ▼	
SoftKey3	DND ▼		Account 1 ▼	
SoftKey4	Menu ▼		Account 1 ▼	

## LDAP

When use the LDAP feature, you can get the LDAP Phonebook directly.

**To configure LDAP via web interface:**

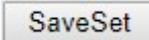
1. Click Function Keys → Programmable Key.
2. Select the desired Key and select LDAP in the Type.
3. Click  button to save the configuration.

Key	Type	Label	Account	Value
SoftKey1	LDAP ▼		Account 1 ▼	
SoftKey2	Directory ▼		Menu View ▼	
SoftKey3	DND ▼		Account 1 ▼	
SoftKey4	Menu ▼		Account 1 ▼	

## Network Directories

When using the BroadSoft Group feature, by just pressing the key you can enter the Broadsoft Contacts interface quickly.

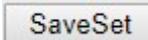
**To configure Network Directories via web interface:**

1. Click Function Keys → Programmable Key.
2. Select the desired key and select Network Directories in the Type.
3. Click  button to save the configuration.

## Forward

If the key is configured as Forward key, press this key under the idle status, the IP phone will turn to the Always Forward interface and you can set the Forward to number, then when there is any call to the number will be forwarded to the set number automatically.

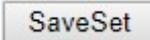
**To configure Forward via web interface:**

1. Click Function Keys → Programmable Key.
2. Select the desired Key and select Forward in the Type.
3. Enter the Value with the number you want to forward.
4. Click  button to save the configuration.

## DND

If the key is configured as DND key, allows you to activate the DND function immediately when you press it and the phone will reject all incoming calls automatically. Press it again to deactivate DND mode.

**To configure DND via web interface:**

1. Click Function Keys → Programmable Key.
2. Select the desired key and select DND in the Type.
3. Click  button to save the configuration.

**To enable DND feature:**

Press the DND soft key when the phone is idle status, and then DND icon shown on the LCD.

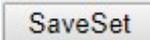
**To disable DND feature:**

Press the DND soft key again, and then there is no DND icon on the LCD.

## Redial

If the key is configured as Redial key, you can redial the last placed call from the IP Phone.

**To configure Redial via web interface:**

1. Click Function Keys → Programmable key.
2. Select the desired key and select redial in the Type.
3. Enter the Label displayed on LCD.
4. Click  button to save the configuration.

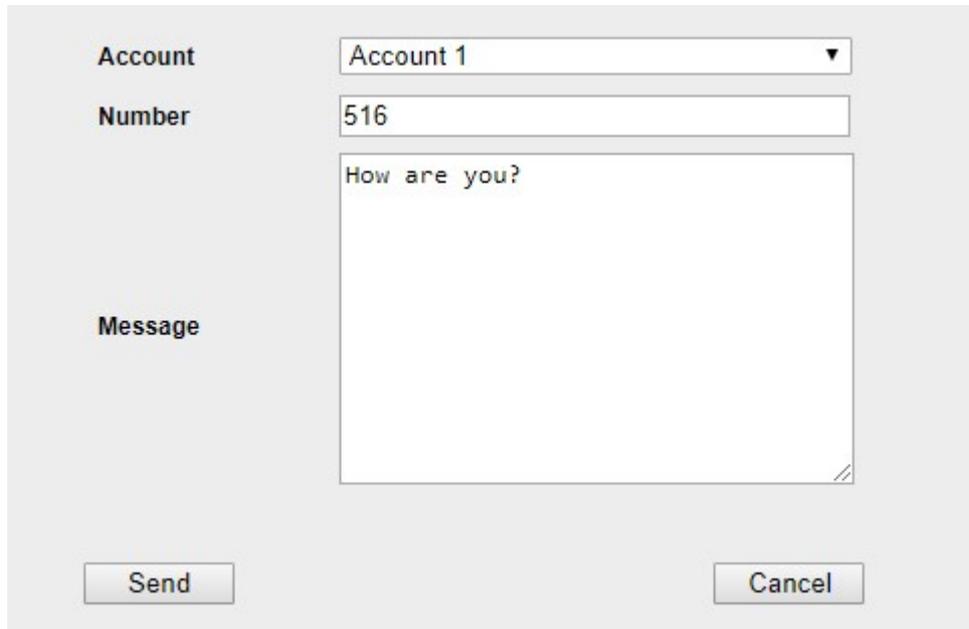
## SMS

### Send SMS

**To send SMS via web interface:**

1. Click Setting → SMS.
2. Select the account(from which account the SMS sent).
3. Enter the target number.

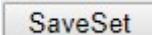
4. Input the content of SMS, and click Send.



**To send SMS via phone interface:**

1. Click Menu → Message → Text Message → Set SMS.
2. Enter the contents in the blank field.
3. Press Save soft key.
4. Select the account (from which account the SMS sent).
5. Enter the target number (to which account the number sent).
6. Press the Send button.

**To configure SMS via web interface:**

1. Click Function Keys → Programmable Key.
2. Select the desired Key and select SMS in the Type.
3. Click  button to save the configuration.

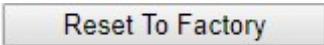
# Upgrade

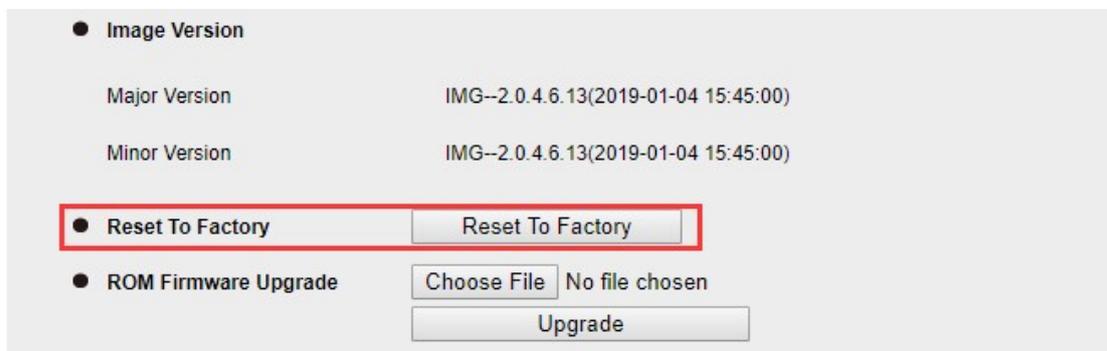
## Factory Reset

### To set Factory Reset via phone interface:

1. Press Menu → Setting → Advanced Setting( default password: admin) → Phone Setting → Factory Reset.
2. Press OK soft key in the warning page.

### To set Factory Reset via web interface:

1. Click Management → Upgrade.
2. Click  and then confirm the setting.

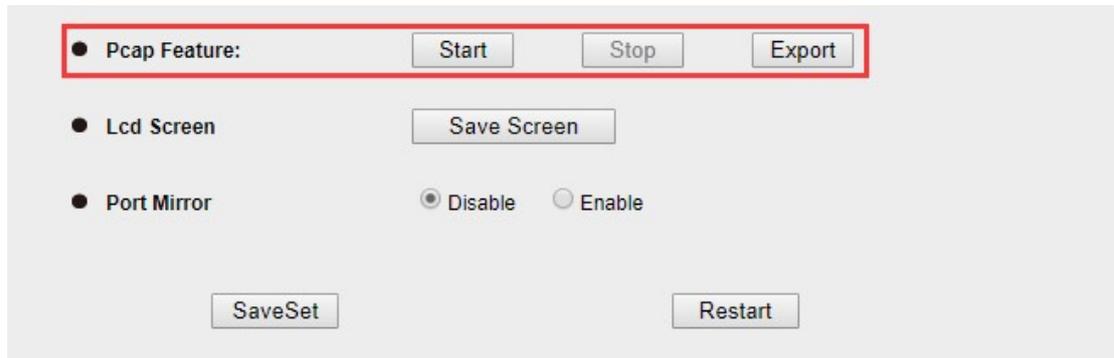


## Pcap Feature

### To use pcap via web interface:

1. Click Management → Tools.
2. Click Start and then operation the phone.
3. When finish the operation, click stop and then click Export.

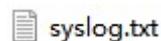
4. Then you'll get the Pacp captures.



## System Log

**To download system log via web interface:**

1. Click Management → Configuration.
2. Click  of the system Log.
3. Then you'll get a txt file: syslog.txt.



## Upgrade

To upgrade via HTTP, the “Management” → “auto provision” → ” Firmware Upgrade” → “Upgrade Mode” field needs to be set to HTTP, respectively. “Firmware Server Path” needs to be set to a valid URL of a HTTP server, server name can be in either FQDN or IP address format. Here are examples of some valid URL.

- e.g. firmware.mycompany.com:5688/Axtel
- e.g. www.mycompany.com:5688/fm/Axtel
- e.g. 218.2.83.110

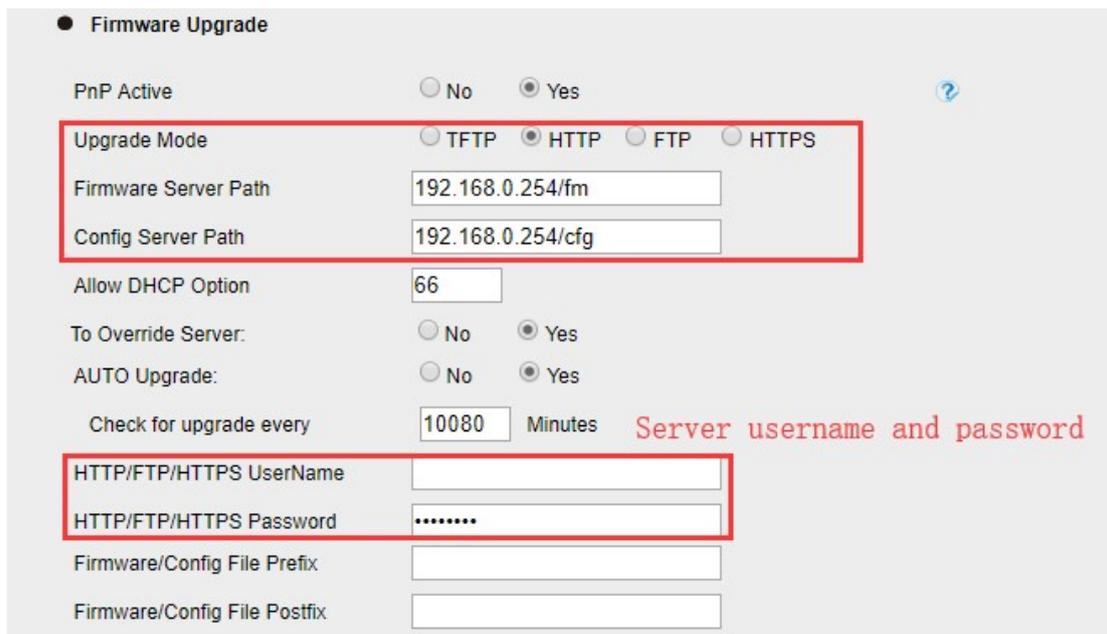
**Instructions for firmware upgrade via HTTP:**

- (1) End users can choose to download the free HTTP server from <http://httpd.apache.org/> or use Microsoft IIS web server. Then setup HTTP server.
- (2) Unzip the firmware file and put all of them under the *root/fm* directory of the HTTP server.
- (3) Visiting “HTTP://192.168.0.254/fm/fw900.rom on localhost by browser” to verify the HTTP

Server. If visiting “HTTP: \\192.168.0.254\fm\fw900.rom on another computer and it not prompted to download fw900.rom file on this computer, please check if the firewall is on or off (Suggest you turn off the firewall).

**To configure the server path via web interface:**

1. Click Management → Auto provision.
2. Select the upgrade mode in the upgrade mode field.
3. Enter the Firmware server path and config server path (192.168.0.254 is HTTP server).
4. Enter the HTTP server’s username and password (optional).
5. Click **SaveSet** button to save the configuration.
6. Restart the AX-200, IP Phone will restart and auto-get firmware files from HTTP server.



**Firmware Upgrade**

PnP Active  No  Yes

Upgrade Mode  TFTP  HTTP  FTP  HTTPS

Firmware Server Path

Config Server Path

Allow DHCP Option

To Override Server:  No  Yes

AUTO Upgrade:  No  Yes

Check for upgrade every  Minutes Server username and password

HTTP/FTP/HTTPS UserName

HTTP/FTP/HTTPS Password

Firmware/Config File Prefix

Firmware/Config File Postfix

**NOTES:**

- Axtel recommends end-user use the Axtel HTTP server. For large companies, we recommend to maintain their own TFTP/HTTP/FTP/HTTPS server for upgrade and provisioning procedures.
- Once a “Firmware Server Path” is set, user needs to update the settings and restart the IP Phone. If the configured firmware server is found and a new code image is available, the AX-200 will attempt to retrieve the new image files by downloading them into the AX-200’s SDRAM. During this stage, the AX-200’s LEDs will blink fastly until the

checking/downloading process is completed. Upon verification of checksum, the new code image will then be saved into the Flash. If TFTP/HTTP/FTP/HTTPS fails for any reason (e.g. TFTP/HTTP/FTP/HTTPS server is not responding, there are no code image files available for upgrade, or checksum test fails, etc), the AX-200 will stop the TFTP/HTTP/FTP/HTTPS process and simply boot using the existing code image in the flash.

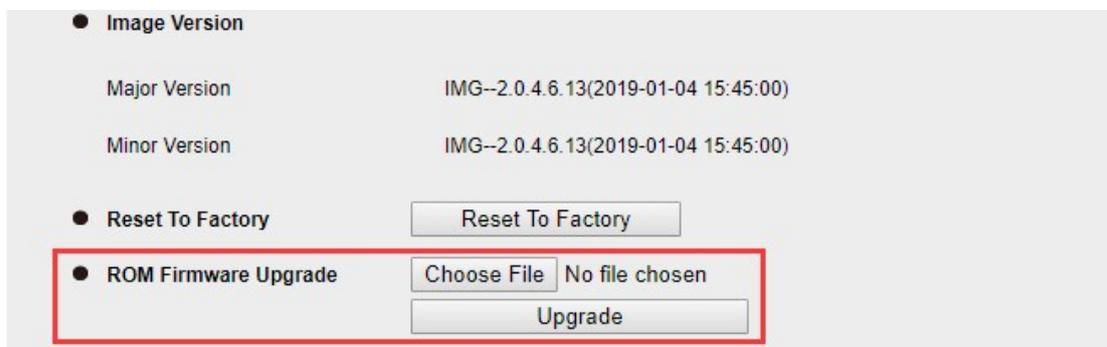
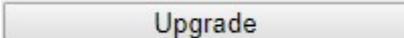
- Firmware upgrade may take as long as 3 to 8 minutes over Internet, or just 1 minutes if it is performed on a LAN. It is recommended to conduct firmware upgrade in a controlled LAN environment if possible. For users who do not have a local firmware upgrade server.
- Axtel's latest firmware is available at [www.axtelworld.com](http://www.axtelworld.com) → Support → Firmware Download.
- Oversea users are strongly recommended to download the binary files and upgrade firmware locally in a controlled LAN environment.

#### To upgrade manually via the web configuration interface:

1. Click Management → Upgrade.

2. Click Brower or the blank.

3. Select the firmware (fw900.rom )and then click



The screenshot shows a web configuration interface with the following sections:

- Image Version**
  - Major Version: IMG--2.0.4.6.13(2019-01-04 15:45:00)
  - Minor Version: IMG--2.0.4.6.13(2019-01-04 15:45:00)
- Reset To Factory**
- ROM Firmware Upgrade** (highlighted with a red box)
  - No file chosen
  -

## Configuration File

#### To download configuration file:

1. Click Management → Configuration → Download Device Configuration.

2. Then you can get a file: cfg.bin or cfg.xml.

● **Configure File**

Download Device Xml Configuration

Restore Xml Configuration  No file chosen

Download Device Bin Configuration

Restore Bin Configuration  No file chosen

Download User Bin Configuration

Delete User Configuration

● **System Log**

Download System Log

Syslog Server

Syslog Level

**To restore a configuration file:**

1. Click Management → Configuration → Restore configuration.

2. Select the xxx.bin or xxx.xml file, and then Click the , then IP Phone will reboot.

● **Configure File**

Download Device Xml Configuration

Restore Xml Configuration  No file chosen

Download Device Bin Configuration

Restore Bin Configuration  No file chosen

Download User Bin Configuration

Delete User Configuration

● **System Log**

Download System Log

Syslog Server

Syslog Level

## Troubleshooting

### Why is the phone LCD screen blank?

1. Ensure your phone is properly plugged into a functional AC outlet.
2. Ensure that the phone isn't plugged into a plug controlled by a switch that is off.
3. If the phone is plugged into a power strip, try plugging it directly into a wall outlet instead.
4. If your phone is powered from PoE, ensure you use a PoE compliant switch or hub, or contact your system administrator for more information.
5. Check if the power LED is on to ensure that the phone is powered on.

### Why does the phone display “Network Unavailable” ?

**To resolve:**

- Ensure that the Ethernet cable is plugged into the Internet port on the phone and the Ethernet cable is not loose.
- Ensure that the switch or hub in your network is functioning well.
- If the problem still persists, Contact your system administrator for more information.

## Why can't I get a dial tone?

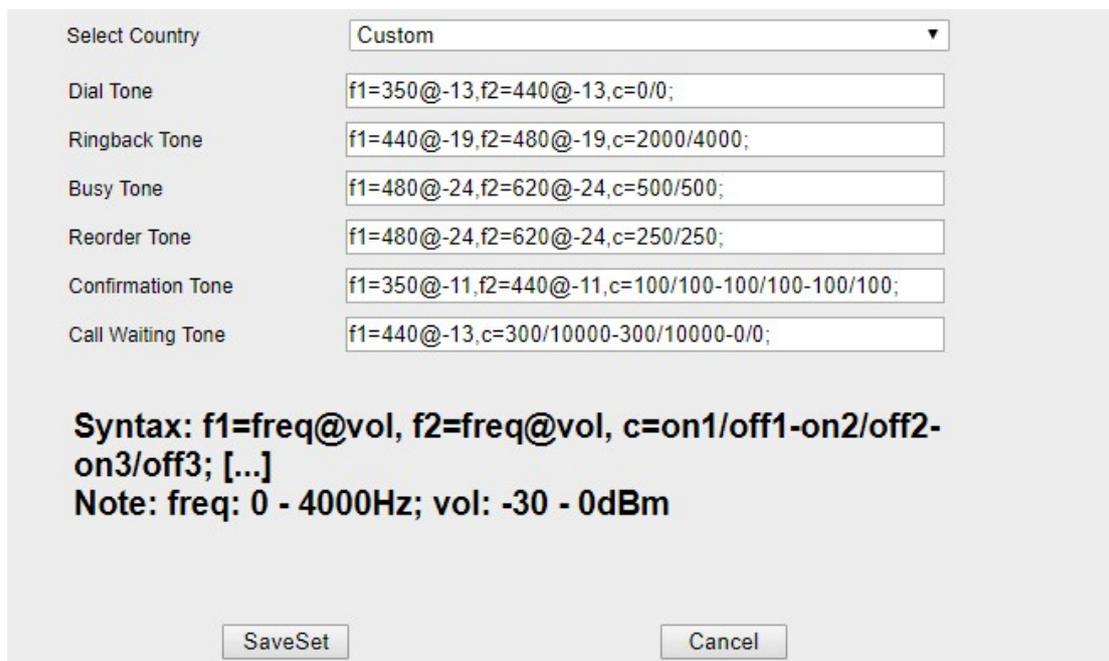
### To resolve:

- Check for any loose connections and that the phone has been installed properly. For the Installation instructions, refer to the phone installation section.
- Check whether dial tone is present on one of the audio modes.
- Switch between the Handset, Headset (if you have) or Hands-Free Speakerphone to check whether dial tone is present for one of the audio modes.
- If the dial tone exists on another audio mode, connect a different handset or headset to isolate the problem.

## Where to set the tone?

You can set the tone on web interface:

- Click Setting → Tones
- Define the dial tone, ringing, busy tone...
- For the tones, you can check with your system administrator.
- For more Click Tone Notes.



Select Country	Custom
Dial Tone	f1=350@-13,f2=440@-13,c=0/0;
Ringback Tone	f1=440@-19,f2=480@-19,c=2000/4000;
Busy Tone	f1=480@-24,f2=620@-24,c=500/500;
Reorder Tone	f1=480@-24,f2=620@-24,c=250/250;
Confirmation Tone	f1=350@-11,f2=440@-11,c=100/100-100/100-100/100;
Call Waiting Tone	f1=440@-13,c=300/10000-300/10000-0/0;

**Syntax: f1=freq@vol, f2=freq@vol, c=on1/off1-on2/off2-on3/off3; [...]**  
**Note: freq: 0 - 4000Hz; vol: -30 - 0dBm**

SaveSet Cancel

## How to download XML Configuration?

- Click Management → Configuration → [Download Xml File](#)

## How to Import Trusted CA certificate?

- Click Management → Trusted CA.

Index	Issued TO	Issued By	Expiration	Delete
1				<input type="checkbox"/>
2				<input type="checkbox"/>
3				<input type="checkbox"/>
4				<input type="checkbox"/>
5				<input type="checkbox"/>
6				<input type="checkbox"/>
7				<input type="checkbox"/>
8				<input type="checkbox"/>
9				<input type="checkbox"/>
10				<input type="checkbox"/>

Import Trusted Certificate Files  No file chosen

Only Accept Trusted Certificates  On  Off

Common Name Validation  On  Off

Trusted Certificates  Default Certificates  
 Custom Certificates  
 All Certificates

## How to Import Server CA certificate?

- Click Management → Server CA.

Issued TO	Issued By	Expiration	Delete
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Import Server Certificate Files  No file chosen

Device Certificates  Default Certificates  
 Custom Certificates

## How to use LLDP?

- For LLDP information, please click VLAN Note.
- VLAN Notes including:
  1. Voice VLAN
  2. Major Benefits of Using VLANs
  3. VLAN discovery method on Axtel ip phones
  4. LLDP Feature on Axtel IP Phones
  5. Supported TLVS of IP Phones
  6. Configuring LLDP Feature
  7. DHCP VLAN
  8. Open the DHCP VLAN on the Axtel IP Phones
  9. VLAN under Bridge Mode
  10. VLAN under NAT Mode