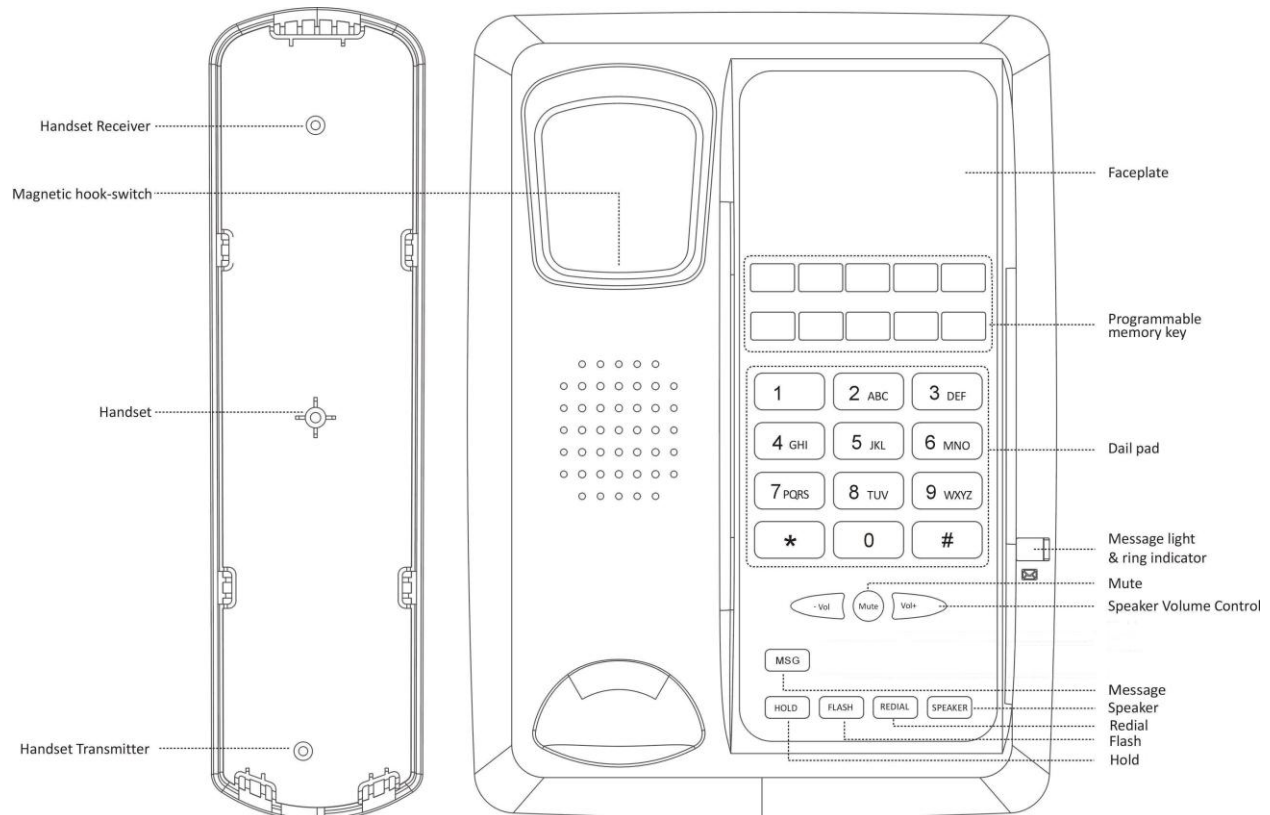


# Hospitality Telephones User Guide

**Fuego1000™ SmartStation™**  
Desktop IP Telephone  
FG1088-IP (1S) SP  
Single Line IP Guestroom Telephone



## FG1088-IP(1S)SP Face Drawing



## Features

- Support one SIP account
- Support SIP V2 (RFC3261) protocol
- Support RFC2833 (RTP Payload for DTMF Digits, in band/out band DTMF)
- Support RFC3264 / 3489 / 3515 (Refer) / 2327 (SDP) / 3581 / 3265 (event notification) / 3842 (MWI)
- Support RTP / NTP / DHCP / TFTP / HTTP protocols
- Supported STUN, DNS, PPPoE, static IP and DHCP. Refresh DHCP when network reconnected
- Separated outbound proxy, registrar IP and port
- Configurable SIP port
- Configurable re-registration time
- Inter-digit timeout configurable
- Audio codec supported: G.711a, G.711u, G.723, G.729
- Support CNR and VAD (on G.723 and G.729)
- Adjustable jitter buffer
- Call hold, call waiting, call transfer
- Support 3-way conference call
- Last number redial
- message notification
- volume up/down, mute microphone / speaker-phone
- Allow SIP-Call Log
- firmware upgrade through TFTP
- web interface configuration with password
- configuration backup and restore through web page
- factory default setting restore

## Installation

1. Unpack the box and check for the following items:
  - a. Main telephone body c/w base unit
  - b. Handset
  - c. Handset cord
  - d. RJ45 Line cord
  - e. Power Adaptor (option)
2. Connect the handset to the telephone using the coiled handset cord provided.
3. Connect one end of the line cord to the telephone RJ45 socket and the other end to the wall telephone outlet.
4. Connect the power adaptor to the phone (option)
5. Install the faceplate (if delivered separately) onto the telephone.

## Operation

### A. Initiating a Call

#### Using the handset

1. Lift the handset.
2. Listen to dial tone.
3. Press the desired number on the keypad and wait for a few second or press “#” to dial out. Press a memory button for auto speed dial.
4. To end the call, place the handset back on the cradle.

#### Using speakerphone

1. Press speaker button. The red LED indicates that the speaker is active.
2. Listen to dial tone
3. Press the desired number on the keypad and wait for a few second or press # to dial out. Press a memory button for autodial.
4. To cut off the call temporarily to make another call, press the flash button.
5. To end the call, press the speakerphone button again. The LED will goes off.

### B. Answering a Call

An audible ringing sound and the flashing LED indicates and incoming call.

#### Using the handset

1. Lift up the handset to answer the call.
2. To end the call, place the handset back on the cradle.

#### Using speakerphone

1. Press the speakerphone to answer the call.
2. To end the call, press the speakerphone button again. The LED will turn off.

## C. Redial

### Using the handset

1. Lift up the handset, press the REDIAL button to initial a redial call
2. To end the call, place the handset back on the cradle.

### Using the speakerphone

1. Press the speakerphone. The red LED (Line 1 or Line 2) indicates the speakerphone is active, press the REDIAL button to initial a redial call
2. To end the call, press the speakerphone again. The LED will turn off.

## D. Speakerphone Volume

1. Adjust the Vol+ or Vol- button to increase or decrease the speakerphone volume.

## E. Ringer Volume

1. Flip the Hi-Lo switch below the telephone body to increase or decrease the ring volume.

## F. Call Transfer/Flash

### Call Transfer

#### 1. Unattended Transfer (Blind Transfer):

##### Using the handset

1. During conversation using handset,
2. Press Flash key and dial the third party's phone number (example: "Flash"+1234)
3. To activate unattended transfer, place the handset back on the cradle.

#### 2. Attended Transfer:

##### Using the handset

1. The phone is in conversation.
2. To activate attended transfer, press "Flash" key and dial the third party's phone number followed by pressing # button or wait for a few seconds.
3. If the third party's phone is answered, place the handset back on the cradle to complete the transfer operation.

## G. Hold

1. During conversation, press the HOLD button will place a call on hold. The opposite party will hear music.
2. To deactivate the call on hold, press the HOLD button again.

## H. Mute

1. During conversation, press the MUTE button will disable the opposite party from hearing your conversation
2. To deactivate Mute, press the MUTE button again.

## I. Programmable Memory Button

FG1088-IP (1S) SP has up to 10 programmable memory buttons. These buttons can be used to store commonly dial numbers or codes for activating PABX features.

### Storing a number or a code

1. Please go to the phone web for memory button programming.

## J. Message Retrieval

FG1088A (1S) SP requires 1 of the 10 memory button to be reserved for message retrieval button. The mail box number will be programmed into this memory location "Message" or "MSG". Set up the "Voice Mail Extension" in the phone Web.

When there is an incoming message, the message indicator will light up.

### Retrieve a message using the handset

1. Lift up the handset; press the "Message" or "MSG" button to retrieve the message.
2. Once completed, place the handset back on the cradle

### Retrieve a message using the speakerphone

1. Press the speakerphone button, the red LED indicates that the speakerphone is active. Press the "Message" or "MSG" button to retrieve the message.
2. Once completed, press the speakerphone again. The red LED will turn off.

## Web Configuration

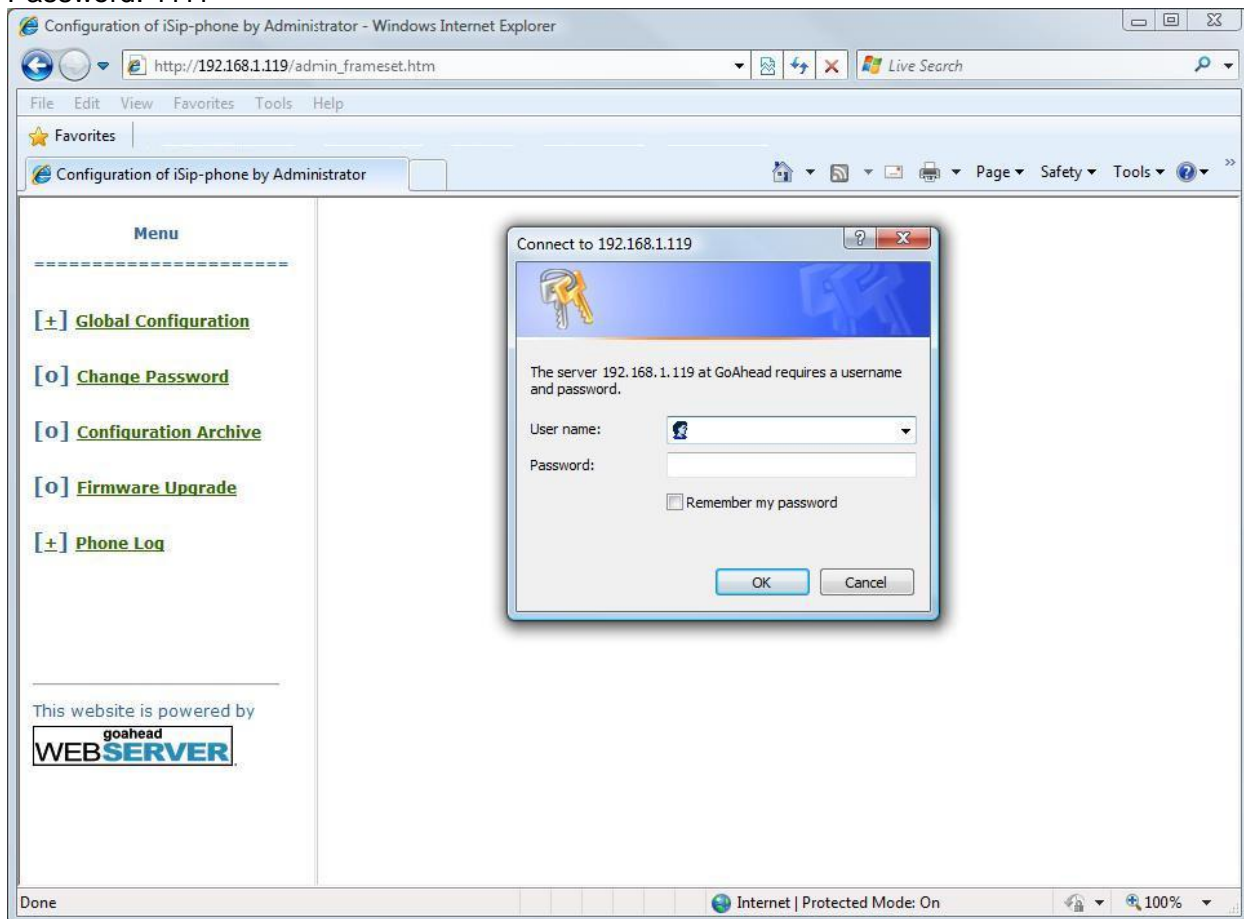
The IP phone can be remote configure via web. The interface support Internet Explorer and Mozilla Firefox.

### A. Use web interface

Type `http://<Phone IP Address>/` on the browser to login.

Login name: admin

Password: 1111



## B. User Configure

You can configure Username, Password, Domain Name, Registrar, Registrar Port, Outbound Proxy, Outbound Proxy Port, and Voice Mail.

After finish setting, Press “bottom” to jump to bottom of the webpage, click “Save Configuration” to save the setting.

The screenshot displays the 'Phone Users' configuration page. On the left is a 'Menu' sidebar with the following items: Global Configuration, Call Feature (Speed Dialing Mapping), Call Feature (Call Blocking), Call Feature (Hotline), Phone Media, Phone Date Time, Inter-Digit Timeout, Phone Network, NAT Configuration (STUN), Phone Users, PPPoE Login Settings, Easy Setup Trigger, Phone Log, and About Phone. The main content area is titled 'Phone Users' and contains the following configuration fields for 'User 1':

Field	Value	Description
Username - User 1	513	The Name of User 1
Password - User 1	•••	The Password of User 1
Display Name - User 1	c	The DisplayName of User 1
Domain - User 1	192.168.0.145	The Domain of User 1
Registrar Host - User 1 (optional)	192.168.0.145	The Registrar Host of User 1
Registrar Port - User 1 (optional)	8080	The Registrar Port of User 1
Outbound Proxy - User 1 (optional)	192.168.0.145	The Outbound Proxy of User 1
Outbound Proxy Port - User 1 (optional)	8080	

At the top right of the configuration area, there is a link: <<[top|bottom]>>. The browser's address bar shows 'Internet'.

## C. Call Feature ( Speed Dial )

You can configure Speed Dial via web. You can save internal call number or external call number.

The screenshot shows a web browser window displaying the 'Global Configuration' page. On the left is a 'Menu' with a tree view containing the following items: Global Configuration, Call Feature (Speed Dialing Mapping), Call Feature (Call Blocking), Call Feature (Hotline), Phone Media, Phone Date Time, Inter-Digit Timeout, Phone Network, NAT Configuration (STUN), Phone Users, PPPoE Login Settings, Easy Setup Trigger, Phone Log, and About Phone. The main content area is titled 'Global Configuration' and includes a sub-section 'Call Feature (Speed Dialing Mapping)'. This section contains four rows, each with a label (Speed Dialing 1 Mapping, 2 Mapping, 3 Mapping, 4 Mapping), an input field, and a description 'Set the Speed Dialing Button Mapping'. Navigation links '<<|top|bottom|>>' are provided at the top and bottom of the configuration area. A general instruction box at the top of the main content area contains the text '<< General instruction (e.g. Put some warnings here.) >>'. The browser's status bar at the bottom indicates 'Internet'.



## D. Phone Media Settings

There are 4 Phone media settings, which include Voice Codec 、 VAD 、 CNG and DTMF Generation. Voice Codec included G.711A 、 G.711u 、 G.723.1 and G.729A. VAD and CNG enable or disable. DTMF Generation included In-band 、 RFC2833 or both.

The screenshot shows a web-based configuration interface for 'Phone Media' settings. On the left is a 'Menu' sidebar with a tree view containing the following items: Global Configuration, Call Feature (Speed Dialing Mapping), Call Feature (Call Blocking), Call Feature (Hotline), Phone Media (selected), Phone Date Time, Inter-Digit Timeout, Phone Network, NAT Configuration (STUN), Phone Users, PPPoE Login Settings, Easy Setup Trigger, Phone Log, and About Phone. The main content area is titled 'Phone Media' and contains the following settings:

- Voice Codec:** Radio buttons for G.711A (selected), G.711U, G.723.1, and G.729A. Description: 'The preferred voice codec'.
- VAD Enable?:** Radio buttons for ENABLE and DISABLE (selected). Description: 'Voice Activity Detection (Silence Suppression) Setting'.
- DTMF Generation Mode:** Radio buttons for DTMF In Band, DTMF RFC2833, and Both (selected). Description: 'The DTMF Generation Mode'.
- Jitter Buffer Time:** Radio buttons for 0 ms (selected), 20 ms, 40 ms, 60 ms, 80 ms, 100 ms, 120 ms, and 140 ms. Description: 'The preferred jitter buffer time (ms)'.
- Phone Date Time:** A sub-section header with a '<<|top|bottom|>>' link.
- Auto time update (NTP) Enable?:** Radio buttons for ENABLE and DISABLE (selected). Description: 'The Auto time update (NTP) setting'.
- NTP Server Address:** A text input field containing 'pool.ntp.org'. Description: 'The NTP Server setting'.
- Update Real-Time Clock?:** Radio buttons for TRUE (selected) and FALSE.

At the bottom of the interface, there is a status bar showing 'Internet' and a small globe icon.

## E. Phone Date/Time setting

You can choose “NTP” or “Local” or “Daylight Saving” for setting the phone date/time. If NTP is being used, NTP sever address is needed.

Menu

Global Configuration

- Call Feature (Speed Dialing Mapping)
- Call Feature (Call Blocking)
- Call Feature (Hotline)
- Phone Media
- Phone Date Time
- Inter-Digit Timeout
- Phone Network
- NAT Configuration (STUN)
- Phone Users
- PPPoE Login Settings
- Easy Setup Trigger
- Phone Log
- About Phone

Phone Date Time <<|top|bottom|>>

Auto time update (NTP) Enable?  ENABLE  DISABLE  
The Auto time update (NTP) setting

NTP Server Address   
The NTP Server setting

Update Real Time Clock?  TRUE  FALSE  
Update The Real Time Clock If Kernel Clock Changed

Timezone   
The Local timezone

Daylight Saving  Standard Time  Daylight Saving Time  
Daylight Saving Time Setting

Date Format  International  America  British  
Date Formatting

12/24 Hours  12 Hours  24 Hours  
12/24 Hours Setting

Inter-Digit Timeout <<|top|bottom|>>

Internet

## F. Inter-Digit Timeout

You can choose Disable、1 second、2 seconds、3 seconds、4 seconds、5 seconds or 8 seconds for Inter-Digit Timeout.

Menu

12/24 Hours  12 Hours  24 Hours  
12/24 Hours Setting

Inter-Digit Timeout <<|top|bottom|>>

Inter-Digit Timeout? **3 Seconds** v  
DISABLE  
1 Seconds  
2 Seconds  
3 Seconds  
4 Seconds  
5 Seconds  
8 Seconds

Phone Network <<|top|bottom|>>

Phone DHCP enable?  ENABLE  DISABLE  
Phone DHCP

Phone IP Address 192.168.0.162  
The IP Address of the network adaptor

SIP Port (Transport 1) 5060  
The SIP Port

Subnet Mask 255.255.255.0  
The Subnet Mask of the network adaptor

Internet

## G. Phone Network

There are 8 network settings: DHCP, IP Address, Subnet Mask, Broadcast Address, Default Gateway, DNS Server, TFTP Server IP Address and MAC Address.

The screenshot displays the 'Phone Network' configuration page. On the left is a 'Menu' sidebar with the following items:

- Global Configuration
- Call Feature (Speed Dialing Mapping)
- Call Feature (Call Blocking)
- Call Feature (Hotline)
- Phone Media
- Phone Date Time
- Inter-Digit Timeout
- Phone Network
- NAT Configuration (STUN)
- Phone Users
- PPPoE Login Settings
- Easy Setup Trigger
- Phone Log
- About Phone

The main configuration area contains the following settings:

Setting	Value	Description
Phone DHCP enable?	<input type="radio"/> ENABLE <input checked="" type="radio"/> DISABLE	Phone DHCP
Phone IP Address	192.168.0.162	The IP Address of the network adaptor
SIP Port (Transport 1)	5060	The SIP Port
Subnet Mask	255.255.255.0	The Subnet Mask of the network adaptor
DNS Server	192.168.0.1	The DNS Server
Default Gateway	192.168.0.1	The Default Gateway of the network adaptor
TFTP Server IP Address	192.168.1.1	The IP Address of the TFTP Server
Broadcast Address	192.168.0.255	

## H. NAT settings ( STUN )

There are 4 NAT (STUN) settings: Enable STUN, STUN Server Host, STUN Server Port Number, and Refresh Interval (0-300 Seconds).

**Menu**

- Global Configuration
  - Call Feature ( Speed Dialing Mapping )
  - Call Feature ( Call Blocking )
  - Call Feature ( Hotline )
  - Phone Media
  - Phone Date Time
  - Inter-Digit Timeout
  - Phone Network
  - NAT Configuration ( STUN )**
  - Phone Users
  - PPPoE Login Settings
  - Easy Setup Trigger
  - Phone Log
  - About Phone

**NAT Configuration (STUN)** <<|top|bottom|>>

Enable STUN?  TURN ON STUN  TURN OFF STUN  
Turn on/off STUN for NAT

STUN Server Host:   
The Host of the STUN Server (1.0.0.0 - 254.254.254.253)

STUN Server Port Number:   
The Port Number of the STUN Server (1-65536)

Refresh Interval (0-300 Seconds):   
The Port Binding Refresh Interval (0-300 Seconds)

**Phone Users** <<|top|bottom|>>

Username - User 1:   
The Name of User 1

Password - User 1:   
The Password of User 1

Display Name - User 1:

http://192.168.0.162/admin\_global\_config.asp#session7 Internet

## I. PPPoE Login Setting

PPPoE settings included Login Name and Password.

The screenshot displays the 'PPPoE Login Settings' configuration page. The interface includes a left-hand menu with the following items:

- Global Configuration
  - Call Feature (Speed Dialing Mapping)
  - Call Feature (Call Blocking)
  - Call Feature (Hotline)
  - Phone Media
  - Phone Date Time
  - Inter-Digit Timeout
  - Phone Network
  - NAT Configuration (STUN)
  - Phone Users
  - PPPoE Login Settings
  - Easy Setup Trigger
  - Phone Log
  - About Phone

The main content area is titled 'PPPoE Login Settings' and contains the following configuration options:

- PPPoE Login Name:** user1
- PPPoE Login Password:** (masked with dots)
- Easy Setup Trigger:** Enable Wizard On Startup?  ENABLE  DISABLE
- Phone Log:** Enable Phone Log?  ENABLE  DISABLE
- About Phone:** (no configuration options visible)

Each section in the main area has a '<<|top|bottom|>>' link for navigation. The browser's status bar at the bottom indicates an 'Internet' connection.

## J. Phone Log

Phone Log for debug the phone. It display latest 500 log messages.

Configuration of iSip-phone by Administrator - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Menu

- [ ± ] [Global Configuration](#)
- [ o ] [Change Password](#)
- [ o ] [Configuration Archive](#)
- [ o ] [Firmware Upgrade](#)
- [ ± ] [Phone Log](#)

This website is powered by

### Phone Log

This following is the Phone Log.

```
[2005-07-21 10:44:07.320][ERROR] model/menu/ImcMenuUtils.c:211 ImcMenuUtils_getNthVisibleField: invalid index: 2
[2005-07-21 10:44:07.440][ERROR] model/menu/ImcMenuUtils.c:211 ImcMenuUtils_getNthVisibleField: invalid index: 2
[2005-07-21 10:44:07.460][ERROR] model/menu/ImcMenuUtils.c:211 ImcMenuUtils_getNthVisibleField: invalid index: -
1
[2005-07-21 10:44:07.480][ERROR] model/menu/ImcMenuUtils.c:211 ImcMenuUtils_getNthVisibleField: invalid index: 2
[2005-07-21 10:44:08.250][ERROR] model/menu/ImcMenuUtils.c:211 ImcMenuUtils_getNthVisibleField: invalid index: -
1
[2005-07-21 10:44:08.270][ERROR] model/menu/ImcMenuUtils.c:211 ImcMenuUtils_getNthVisibleField: invalid index: 2
[2005-07-21 10:44:08.290][ERROR] model/menu/ImcMenuUtils.c:211 ImcMenuUtils_getNthVisibleField: invalid index: 2
[2005-07-21 10:44:08.520][ERROR] model/menu/ImcMenuUtils.c:211 ImcMenuUtils_getNthVisibleField: invalid index: -
1
[2005-07-21 10:44:08.550][ERROR] model/menu/ImcMenuUtils.c:211 ImcMenuUtils_getNthVisibleField: invalid index: 2
[2005-07-21 10:44:08.810][ERROR] model/menu/ImcMenuUtils.c:211 ImcMenuUtils_getNthVisibleField: invalid index: 2
[2005-07-21 10:44:08.830][ERROR] model/menu/ImcMenuUtils.c:211 ImcMenuUtils_getNthVisibleField: invalid index: -
1
[2005-07-21 10:44:08.850][ERROR] model/menu/ImcMenuUtils.c:211 ImcMenuUtils_getNthVisibleField: invalid index: 2
[2005-07-21 10:44:09.050][ERROR] model/menu/ImcMenuUtils.c:211 ImcMenuUtils_getNthVisibleField: invalid index: -
1
[2005-07-21 10:44:09.060][ERROR] model/menu/ImcMenuUtils.c:211 ImcMenuUtils_getNthVisibleField: invalid index: 2
[2005-07-21 10:44:09.080][ERROR] model/menu/ImcMenuUtils.c:211 ImcMenuUtils_getNthVisibleField: invalid index: 2
[2005-07-21 10:44:13.290][ERROR] model/menu/ImcMenuUtils.c:211 ImcMenuUtils_getNthVisibleField: invalid index: -
1
[2005-07-21 10:44:13.300][ERROR] model/menu/ImcMenuUtils.c:211 ImcMenuUtils_getNthVisibleField: invalid index: 2
[2005-07-21 10:44:13.320][ERROR] model/menu/ImcMenuUtils.c:211 ImcMenuUtils_getNthVisibleField: invalid index: 2
[2005-07-21 10:44:31.560][ERROR] model/menu/ImcMenuUtils.c:211 ImcMenuUtils_getNthVisibleField: invalid index: -
```

Internet

## J. About Phone

You can check Hardware and Software version.





## K. Change Password

You can change password via browser. Select “Change Password” from left column, enter the password twice and save the change.

The screenshot shows a web browser window displaying the 'Change of Administrator's Password' page. On the left is a navigation menu with the following items: Phone Media, Phone Date Time, Inter-Digit Timeout, Phone Network, NAT Configuration (STUN), Phone Users, PPPoE Login Settings, Easy Setup Trigger, Phone Log, About Phone, Change Password (highlighted), Configuration Archive, Firmware Upgrade, and Phone Log. The main content area has the title 'Change of Administrator's Password' and the instruction 'Specify your new password below and then press the "Save" button to set your new password.' Below this are two input fields: 'New Password' and 'New Password again', followed by a 'Save' button. The browser's status bar at the bottom shows 'Internet'.

**Change of Administrator's Password**

Specify your new password below and then press the "Save" button to set your new password.

New Password

New Password again

Internet

## L. Configuration Backup

Configuration Backup function allow user backup phone configuration. Press “Configuration Archive” on the left column.

The screenshot shows a web browser window titled "Configuration of iSip-phone by Administrator". The browser's address bar shows "Internet | Protected Mode: On" and the zoom level is set to 100%. The page content is divided into a left sidebar and a main content area.

**Left Sidebar (Menu):**

- Menu
- [+] [Global Configuration](#)
- [o] [Change Password](#)
- [o] [Configuration Archive](#) (highlighted)
- [o] [Firmware Upgrade](#)
- [+] [Phone Log](#)

**Main Content Area (Configuration Archive):**

Press "Config Backup" to save a copy of the phone config.

**Configuration Backup:** A button labeled "Config Backup" is present. Below it, text reads: "Backup the phone configuration to a text file. (Please do not modify the configuration file. Otherwise the configuration restoration will be failed.)"

Choose your config backup file and Press "Config Restore" to recover the phone config.

**Configuration Restore:** A "Browse..." button is next to an empty text input field. Below the input field, text reads: "Please choose your config backup file here." A "Config Restore" button is located below the input field. Text below the button reads: "Restore the previous stored phone configuration."

At the bottom of the page, there is a logo for "goahead WEB SERVER" with the text "This website is powered by" above it.

## M. Firmware Upgrade

You can upgrade Firmware via internet. Press Firmware Upgrade on the left column.

The screenshot displays the COTELL web interface. On the left is a navigation menu with the following items:

- [Phone Media](#)
- [Phone Date Time](#)
- [Inter-Digit Timeout](#)
- [Phone Network](#)
- [NAT Configuration \(STUN\)](#)
- [Phone Users](#)
- [PPPoE Login Settings](#)
- [Easy Setup Trigger](#)
- [Phone Log](#)
- [About Phone](#)

Below the menu are several expandable sections:

- [O] [Change Password](#)
- [O] [Configuration Archive](#)
- [O] [Firmware Upgrade](#)
- [-] [Phone Log](#)
  - [SIP Message Log](#)

The main content area is titled "Firmware Upgrade" and contains the following text:

Press "Firmware Upgrade" to upgrade the phone's firmware.

Firmware Upgrade

Upgrade the phone's firmware.  
(Please refresh visit the config. admin page after around 5 minutes and check for the new software version.  
If you are unable to refresh this page, please go to the phone directly for further investigation.)

## Web upgrade firmware

The IP phone can be upgrade firmware via web. The interface support Internet Explorer and Mozilla Firefox.

### A. Setup the TFTP server

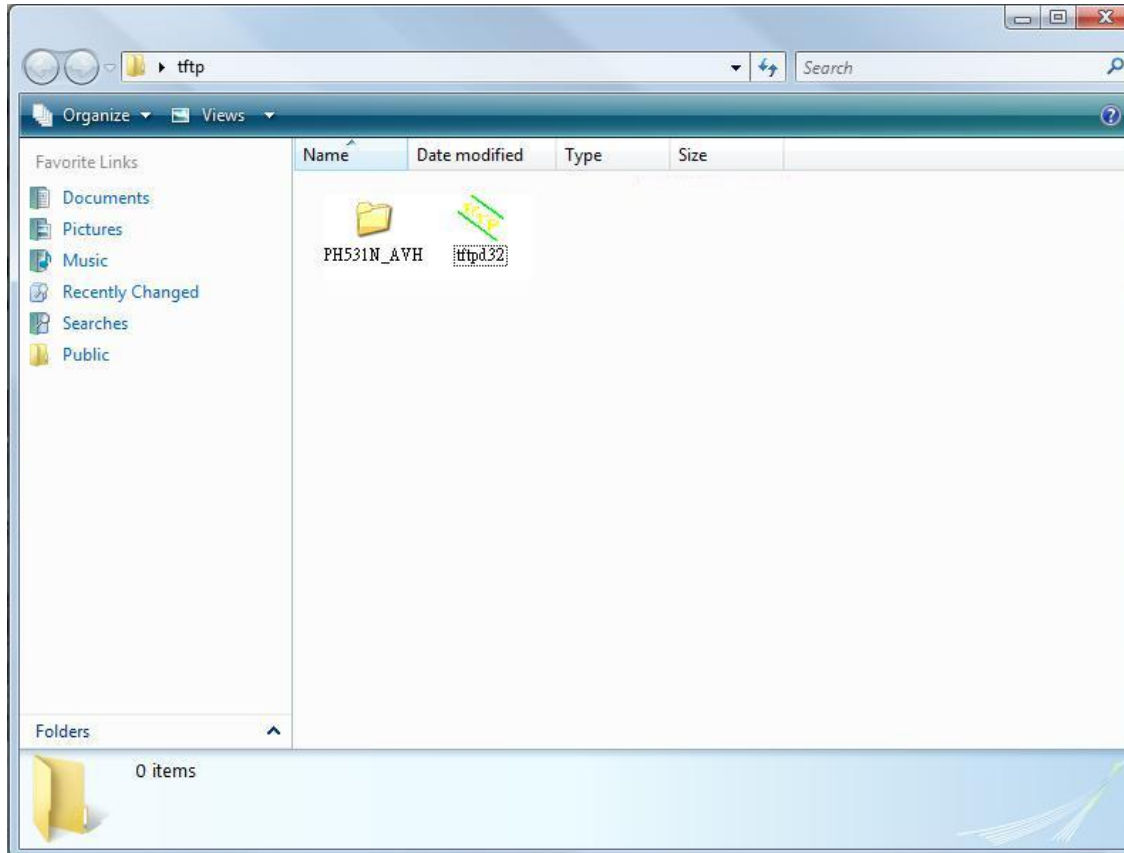
Type your IP address (Desktop Computer) into the “TFTP Server IP Address” column

The screenshot shows the web configuration interface for an IP phone. The browser title is "Configuration of iSip-phone by Ad...". The interface has a left-hand menu with the following items: "Menu", "Global Configuration", "Change Password", "Configuration Archive", "Firmware Upgrade", and "Phone Log". The "Firmware Upgrade" item is highlighted. Below the menu, there is a logo for "goahead WEB SERVER". The main configuration area is divided into sections: "SIP Port (Transport 1)", "Subnet Mask", "DNS Server", "Default Gateway", "TFTP Server IP Address", "MAC Address", "NAT Configuration (STUN)", and "Ring Tone". The "TFTP Server IP Address" field is highlighted in blue and contains the value "192.168.1.55". The "NAT Configuration (STUN)" section has "Enable STUN?" set to "TURN OFF STUN". The "STUN Server Host" is "0.0.0.0", "STUN Server Port Number" is "3478", and "Refresh Interval (0-300 Seconds)" is "10". The "Ring Tone" section has "Phone Ring Tone" set to "Default Ring Tone".

SIP Port (Transport 1)	5060
The SIP Port	
Subnet Mask	255.255.255.0
The Subnet Mask of the network adaptor	
DNS Server	192.168.1.1
The DNS Server	
Default Gateway	192.168.1.1
The Default Gateway of the network adaptor	
TFTP Server IP Address	192.168.1.55
The IP Address of the TFTP Server	
MAC Address	00:12:BD:00:03:F9
The MAC Address of the phone	
NAT Configuration (STUN) << top bottom >>	
Enable STUN?	<input type="radio"/> TURN ON STUN <input checked="" type="radio"/> TURN OFF STUN
Turn on/off STUN for NAT	
STUN Server Host	0.0.0.0
The Host of the STUN Server (1.0.0.0 - 254.254.254.253)	
STUN Server Port Number	3478
The Port Number of the STUN Server (1-65536)	
Refresh Interval (0-300 Seconds)	10
The Port Binding Refresh Interval (0-300 Seconds)	
Ring Tone << top bottom >>	
Phone Ring Tone	<input checked="" type="radio"/> Default Ring Tone <input type="radio"/> Ring Tone 1
<input type="radio"/> Ring Tone 2 <input type="radio"/> Ring Tone 3	

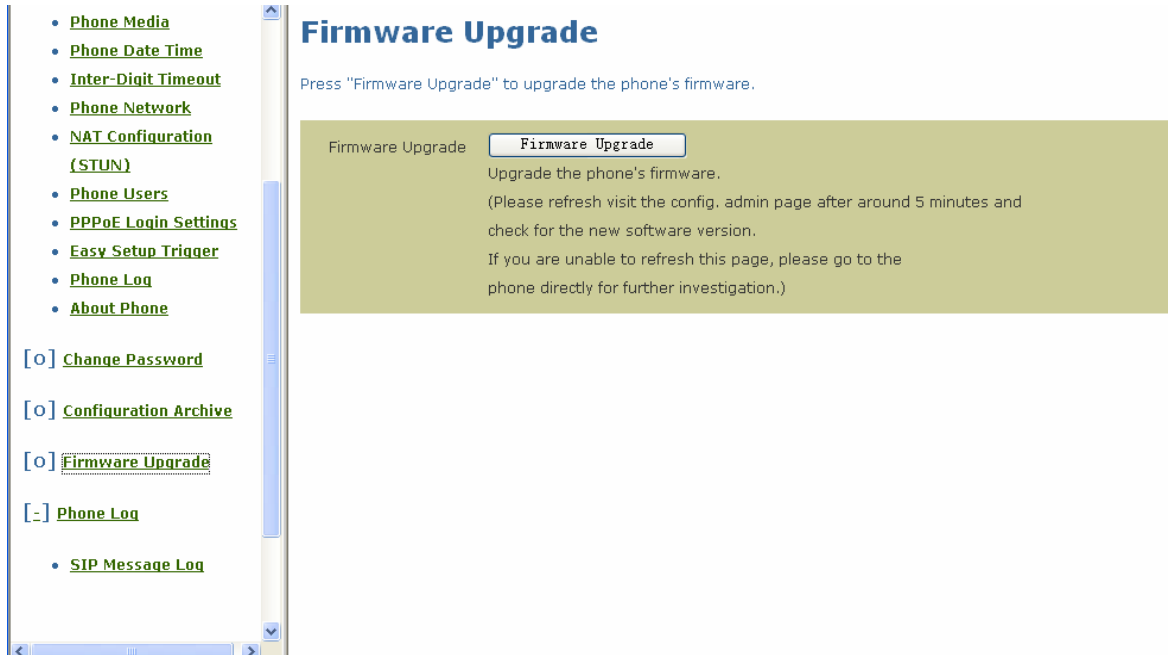
## B. Desktop Setup

Make a folder called “PH531N\_AVH” and put all the firmware inside the folder. Open the tftp server of the computer and the directory should be same as the PH531N\_AVH folder.



## C. Desktop Setup

Press Firmware Upgrade on the left column and press Firmware Upgrade bottom in the firmware upgrade page.



The screenshot shows a web interface for a phone's configuration. On the left is a vertical menu with the following items: Phone Media, Phone Date Time, Inter-Digit Timeout, Phone Network, NAT Configuration (STUN), Phone Users, PPPoE Login Settings, Easy Setup Trigger, Phone Log, and About Phone. Below these are sections for Change Password, Configuration Archive, Firmware Upgrade (which is highlighted with a dashed border), and Phone Log (with a sub-item SIP Message Log). The main content area is titled 'Firmware Upgrade' and contains the text: 'Press "Firmware Upgrade" to upgrade the phone's firmware.' Below this is a large green box with the text: 'Firmware Upgrade Upgrade the phone's firmware. (Please refresh visit the config. admin page after around 5 minutes and check for the new software version. If you are unable to refresh this page, please go to the phone directly for further investigation.)' At the bottom of this green box is a button labeled 'Firmware Upgrade'.

The firmware upgrades process need few minute to complete. Please wait for few minute and login the phone again.

## IMPORTANT SAFETY INSTRUCTIONS

WHEN USING YOUR TELEPHONE EQUIPMENT, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK AND INJURY TO PERSONS. INCLUDING THE FOLLOWING:

1. READ AND UNDERSTAND ALL INSTRUCTIONS IN THIS MANUAL.
2. FOLLOW ALL WARNINGS AND INSTRUCTIONS MARKED ON THE PRODUCT.
3. UNPLUG THE PRODUCT FROM THE WALL OUTLET BEFORE CLEANING. DO NOT USE LIQUID CLEANER OR AEROSOL CLEANERS. USE A DAMP CLOTH FOR CLEANING.
4. DO NOT USE THIS PRODUCT NEAR WATER FOR EXAMPLE NEAR A BATHTUB, WASH BOWL, KITCHEN SINK OR LAUNDRY TUB, IN A WET BASEMENT, OR NEAR A SWIMMING POOL.
5. DO NOT PLACE THIS PRODUCT ON AN UNSTABLE CART, STAND OR TABLE. THE PRODUCT MAY FALL, CAUSING SERIOUS DAMAGE TO THE PRODUCT.
6. SLOTS AND OPENINGS IN THE CABINET AND THE BACK OF BOTTOM ARE PROVIDED FOR VENTILATION, TO PROTECT IT FROM OVERHEATING, THESE OPENINGS MUST NOT BE BLOCKED OR COVERED. THE OPENINGS SHOULD NEVER BE BLOCKED BY PLACING THE PRODUCT ON THE BED, SOFA, RUG OR ANY OTHER SIMILAR SURFACE. THIS PRODUCT SHOULD NEVER BE PLACED NEAR OR OVER A RADIATOR OR HEAT REGISTER. THIS PRODUCT SHOULD NOT BE PLACED IN A BUILT-IN INSTALLATION UNLESS PROPER VENTILATION IS PROVIDED.
7. NEVER PUSH OBJECTS OF ANY KIND INTO THIS PRODUCT THROUGH CABINET SLOTS AS THEY MAY TOUCH DANGEROUS VOLTAGE POINTS OR SHORT OUT PARTS THAT COULD RESULT IN A RISK OF FIRE OR ELECTRIC SHOCK. NEVER SPILL LIQUID OF ANY KIND ON THE PRODUCT.
8. TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT DISASSEMBLE THIS PRODUCT, BUT TAKE IT TO A QUALIFIED SERVICEMEN WHEN SOME SERVICE OR REPAIR WORK IS REQUIRED. OPENING OR REMOVING COVERS MAY EXPOSE YOU TO DANGEROUS VOLTAGES OR OTHER RISKS. INCORRECT REASSEMBLE CAN CAUSE ELECTRIC SHOCK WHEN THE APPLIANCE IS SUBSEQUENTLY USED.
9. UNPLUG THIS PRODUCT FROM THE WALL OUTLET AND REFER SERVICING TO QUALIFIED SERVICE PERSONNEL UNDER THE FOLLOWING CONDITIONS:
  - WHEN THE POWER SUPPLY CORD OR PLUG IS DAMAGED OR FRAYED
  - LIQUID HAS BEEN SPILLED INTO THE PRODUCT.
  - IF THE PRODUCT HAS BEEN EXPOSED TO RAIN OR WATER.
10. IF THE PRODUCT DOES NOT OPERATE NORMALLY BY FOLLOWING THE OPERATING INSTRUCTIONS. ADJUST ONLY THOSE CONTROLS THAT ARE COVERED BY THE OPERATING INSTRUCTIONS BECAUSE IMPROPER ADJUSTMENT OF OTHER CONTROLS MAY RESULT IN DAMAGE AND WILL OFTEN REQUIRE EXTENSIVE WORK BY A QUALIFIED TECHNICIAN TO RESTORE THE PRODUCT TO NORMAL OPERATION.
  - IF THE PRODUCT HAS BEEN DROPPED OR THE CABINET HAS BEEN DAMAGED.
  - THE PRODUCT EXHIBIT A DISTINCT CHANGE IN PERFORMANCE.
11. AVOID USING A TELEPHONE (OTHER THAN A CORDLESS TYPE) DURING AN ELECTRICAL STORM. THERE MAY BE A REMOTE RISK OF ELECTRIC SHOCK FROM LIGHTING.
12. DO NOT USE THE TELEPHONE TO REPORT A GAS LEAK IN THE VICINITY OF THE LEAK. SAVE THESE INSTRUCTIONS

## WARRANTY EXCLUSIONS

This warranty does not cover, or may be voided by the followings:

1. Any damage resulting from abuse or misuse (i.e. liquid spills, abuse, or customer's modification ( warranty label broken) of the telephone.
2. Any damage caused by failure to follow operating or installation instructions provided with the telephone.
3. New faceplates or damage to the faceplate or discoloration of the telephone.
4. Any damage resulting from improper connection of the telephone to other equipment.
5. A telephone used in a harsh or corrosive environment.
6. Incompatibility with anything other than the PBX for which the telephone was intended during purchased.
7. Cords, connectors and replaceable batteries.
8. Force majeure.
9. Damages in transit.
10. Any damage resulting from unauthorized modification or repair of the telephone.

## COTELL PRODUCT SUPPORT

If you need technical assistance with this product, please contact COTELL INTERNATIONAL LIMITED via one of the following methods:

Telephone : 86-755-25831520  
Fax : 86-755-88859899  
Email : Sales@cotell.cn  
Website : www.cotell.cn

Please contact us should the above operating instructions do not match the actual telephone.