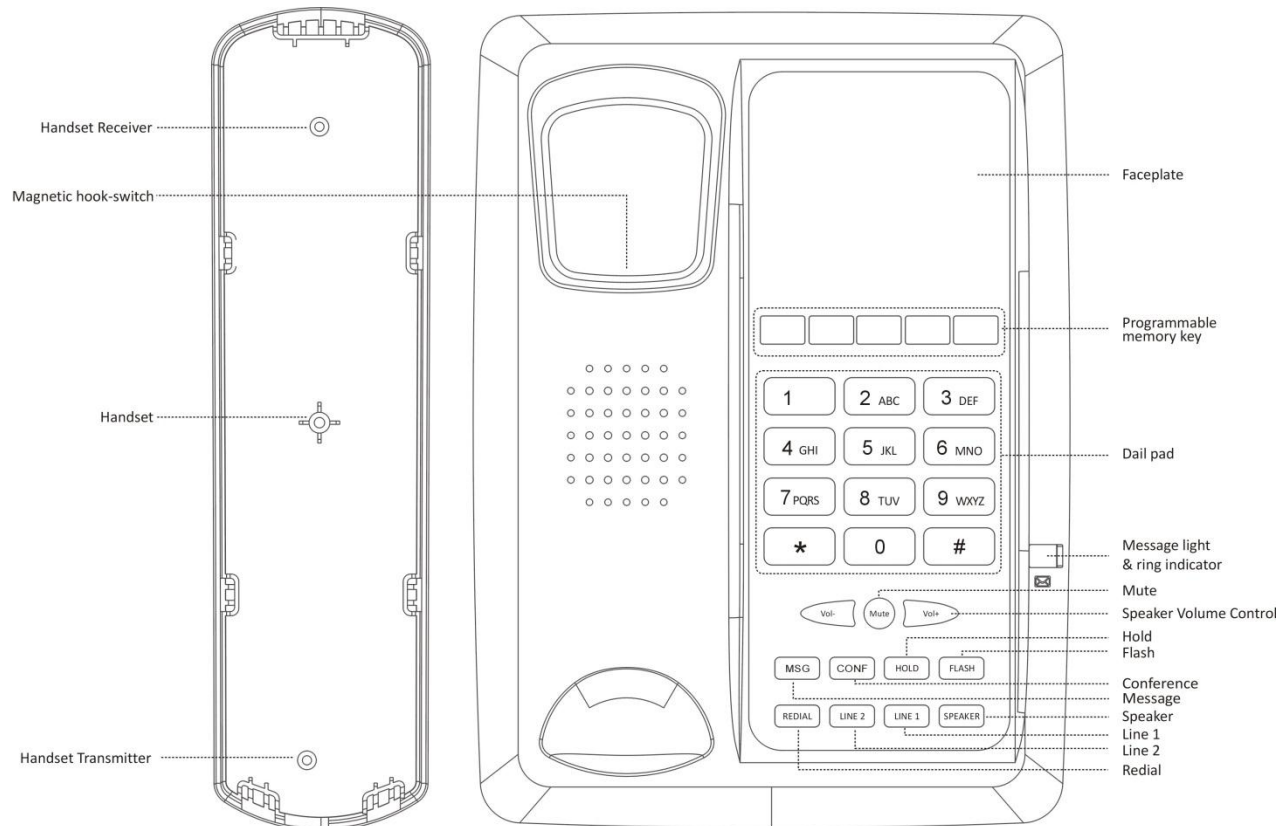


# Hospitality Telephones User Guide

Fuego1000™ SmartStation™  
Desktop IP Telephone  
FG1088-IP (2S) SP  
2-line IP Guestroom Telephone



## FG1088-IP(2S)SP Face Drawing



## Features

- Support two 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 CNG 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 make another call, press Line 1 or Line 2 button. (Press Line 1 to choose SIP account 1 to dial. Press Line 2 to choose SIP account 2 to dial)
5. To end the call, place the handset back on the cradle.

#### Using speakerphone

1. Press speaker button (Line 1 or Line 2). The red LED (Line 1 or Line 2) indicates that the speaker is active. (Line 1 switch to SIP account 1. Line 2 switch to SIP account 2)
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 (Line 1 or Line 2) indicates and incoming call. Line 1 LED flash represents account 1 incoming call. Line 2 LED flash represents account 2 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, selects Line 1 or 2 button 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, selects Line 1 or 2 button. 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 (Either account 1 or 2).
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. ( account 1 or account 2)
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. CONF

### Two lines in the different Accounts

1. Ensure account 1 and account 2 had register SIP account.
2. Both accounts are in conversation. (account 1 in conversation and account 2 on hold OR Line 2 in conversation and Line 1 on hold).
3. Press “CONF” button to complete 3-way different accounts conference

### Both lines in the same Account

1. During conversation in account 1(or account 2), press flash and dial the third party's phone number followed by pressing # button(Flash + 1234 #)
2. If the third party's phone is answered, press “Flash” again to complete same Account 3-way conference.

## J. Programmable Memory Button

FG1088-IP (2S) 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.

## K. 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.

## L. LINE 1 / LINE 2

1. Press the Line 1 button to select SIP account 1 or Press Line 2 button to select SIP account 2.

## Web Configuration

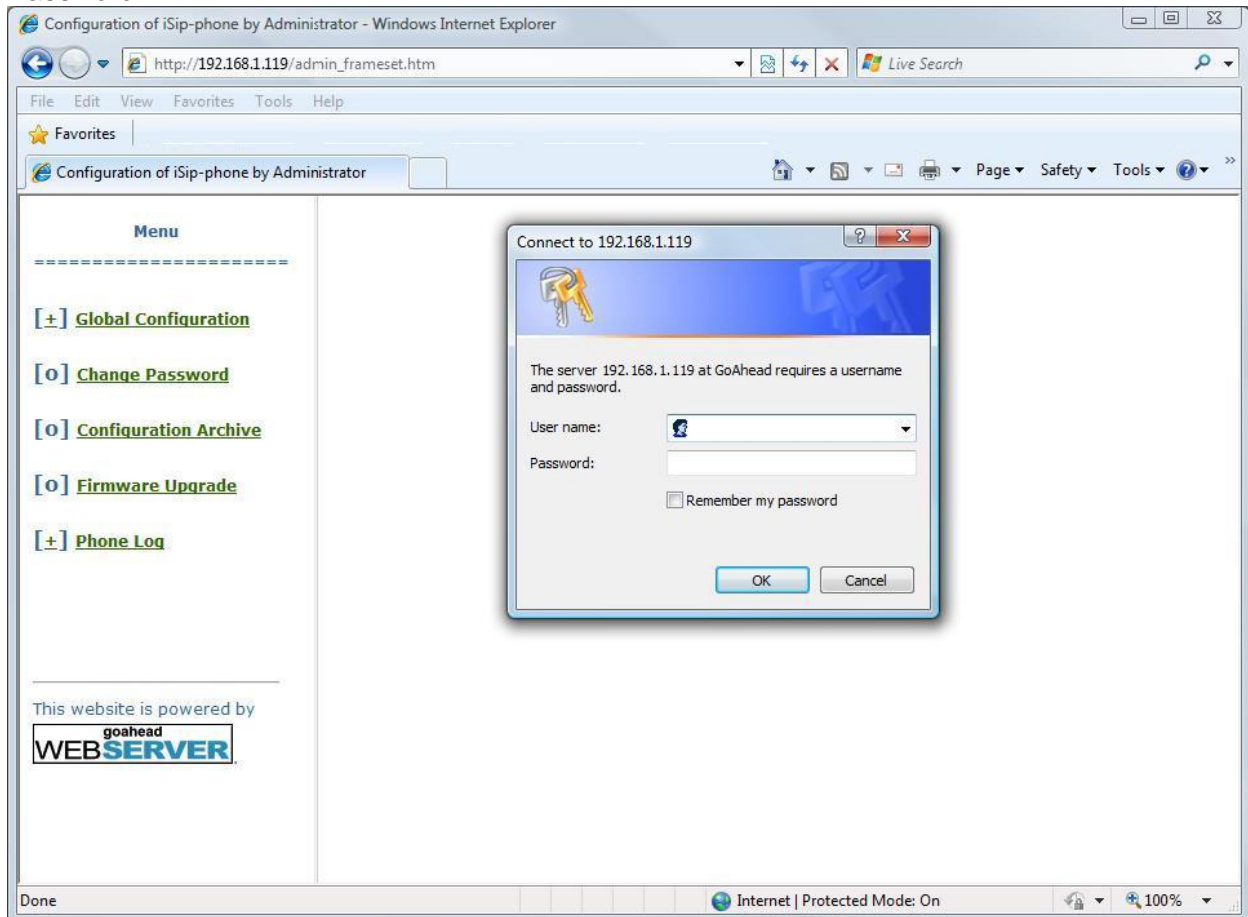
The IP phone can be remote configure via web. The interface support Internet Explorer and Mozilla Firefox.

### 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 shows a web browser window displaying the 'Phone Users' configuration page. The page has a green header with the title 'Phone Users' and a navigation link '<<[top|bottom]>>'. On the left, there is a 'Menu' section with a list of configuration options, including '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 configuration area on the right contains the following fields:

Field Name	Value	Description
Username - User 1	613	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	

The browser's address bar shows 'Internet' and the taskbar at the bottom indicates the system is connected to the 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 displays a web-based configuration interface for a COTELL device. The main heading is "Global Configuration". Below the heading, there is a instruction: "Update the following configuration parameters and then press the 'Save Configuration' button to store your changes." The interface is divided into a left-hand menu and a main content area. The menu includes options like "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 contains a section for "Call Feature (Speed Dialing Mapping)". This section includes a general instruction placeholder: "<< General instruction (e.g. Put some warnings here.) >>". Below this, there are four rows of settings for "Speed Dialing 1 Mapping" through "Speed Dialing 4 Mapping". Each row consists of a text label, an input field, and a description: "Set the Speed Dialing Button Mapping". At the bottom of the main content area, there is a section for "Call Feature (Call Blocking)" with a similar general instruction placeholder. The browser's address bar shows "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 displays the web interface for the COTELL FG1088-IP(2S)SP device. On the left is a navigation 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 divided into two sections:

**Phone Media**

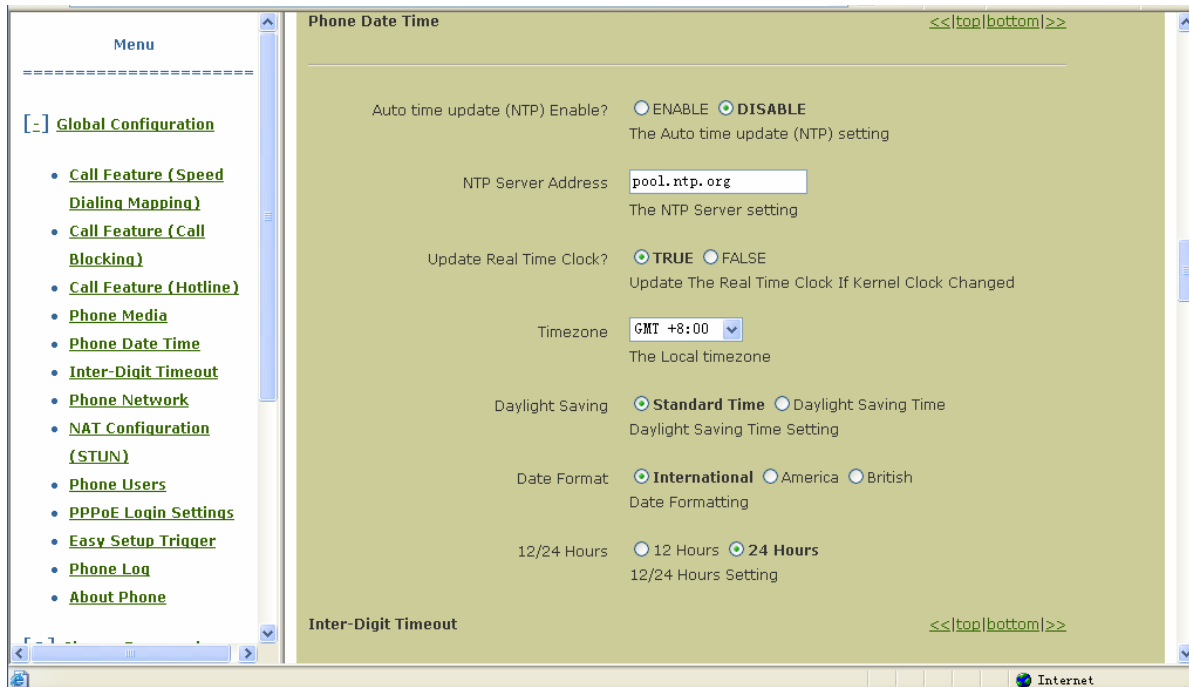
- Voice Codec:  G.711A  G.711U  G.723.1  G.729A  
The preferred voice codec
- VAD Enable?:  ENABLE  DISABLE  
Voice Activity Detection (Silence Suppression) Setting
- DTMF Generation Mode:  DTMF In Band  DTMF RFC2833  Both  
The DTMF Generation Mode
- Jitter Buffer Time:  0 ms  20 ms  40 ms  60 ms  80 ms  100 ms  120 ms  140 ms  
The preferred jitter buffer time (ms)

**Phone Date Time**

- 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

## 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.



## 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.

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

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

Inter-Digit Timeout? 3 Seconds ▾  
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

## 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, and About Phone. The main content area is titled 'Phone Network' and contains the following settings:

Phone DHCP enable?	<input type="radio"/> ENABLE <input checked="" type="radio"/> DISABLE
	Phone DHCP
Phone IP Address	<input type="text" value="192.168.0.162"/>
	The IP Address of the network adaptor
SIP Port (Transport 1)	<input type="text" value="5060"/>
	The SIP Port
Subnet Mask	<input type="text" value="255.255.255.0"/>
	The Subnet Mask of the network adaptor
DNS Server	<input type="text" value="192.168.0.1"/>
	The DNS Server
Default Gateway	<input type="text" value="192.168.0.1"/>
	The Default Gateway of the network adaptor
TFTP Server IP Address	<input type="text" value="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](#)

[\[+\] Change Password](#)

### 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:

Internet

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

## I. PPPoE Login Setting

PPPoE settings included Login Name and Password.

The screenshot displays the web interface for the COTELL FG1088-IP(2S)SP device. On the left is a navigation 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 sections:

- PPPoE Login Name:** user1
- PPPoE Login Password:** [Redacted]
- Easy Setup Trigger:** Enable Wizard On Startup?  ENABLE  DISABLE
- Phone Log:** Enable Phone Log?  ENABLE  DISABLE

Each section includes a "<<|top|bottom|>>" link for navigation. The browser's status bar at the bottom shows "Internet".

## 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](#)

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**WEB SERVER**

## 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.

The screenshot displays the web interface for the COTELL FG1088-IP(2S)SP device. On the left, a navigation menu is visible under the heading "Global Configuration". The menu items are:

- [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](#)

Below the menu, there are two additional options:

- [O] [Change Password](#)
- [O] [Configuration Archive](#)

The main content area is titled "Global Configuration" and contains the following settings:

- Enable Wizard On Startup?  ENABLE  DISABLE
- Easy Setup Trigger
- Phone Log [<<|top|bottom|>>](#)
- Enable Phone Log?  ENABLE  DISABLE
- Phone Log
- About Phone [<<|top|bottom|>>](#)
- Phone Hardware Version: Hardware 1.0
- Phone Hardware Version
- Phone Software Version: Software 1.2.1
- Phone Software Version

A "Save Configuration" button is located at the bottom of the main content area. The browser's address bar shows "Internet".

## 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 displays a web browser window with the following elements:

- Navigation Menu (Left):**
  - [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](#)
  - [O] [Change Password](#) (highlighted)
  - [O] [Configuration Archive](#)
  - [O] [Firmware Upgrade](#)
  - [±] [Phone Log](#)
- Main Content Area:**
  - ## 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
  -
- Browser Status Bar (Bottom):** Shows "Internet" and a globe icon.

## L. Configuration Backup

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

The screenshot displays a web browser window titled "Configuration of iSip-phone by Administrator". The browser's address bar is empty, and the status bar at the bottom shows "Internet | Protected Mode: On" and "100%".

The main content area is titled "Configuration Archive". It contains the following elements:

- Menu:** A vertical list of links on the left side:
  - [+] [Global Configuration](#)
  - [o] [Change Password](#)
  - [o] [Configuration Archive](#) (highlighted)
  - [o] [Firmware Upgrade](#)
  - [+] [Phone Log](#)
- Configuration Backup:** A section with a "Config Backup" button. Below the button, it says: "Backup the phone configuration to a text file. (Please do not modify the configuration file. Otherwise the configuration restoration will be failed.)"
- Configuration Restore:** A section with a "Browse..." button and a "Config Restore" button. It says: "Choose your config backup file and Press 'Config Restore' to recover the phone config." and "Please choose your config backup file here." Below the "Config Restore" button, it says: "Restore the previous stored phone configuration."

At the bottom left 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.

[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](#)

[O] [Change Password](#)

[O] [Configuration Archive](#)

[O] [Firmware Upgrade](#)

[+] [Phone Log](#)

- [SIP Message Log](#)

## Firmware Upgrade

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

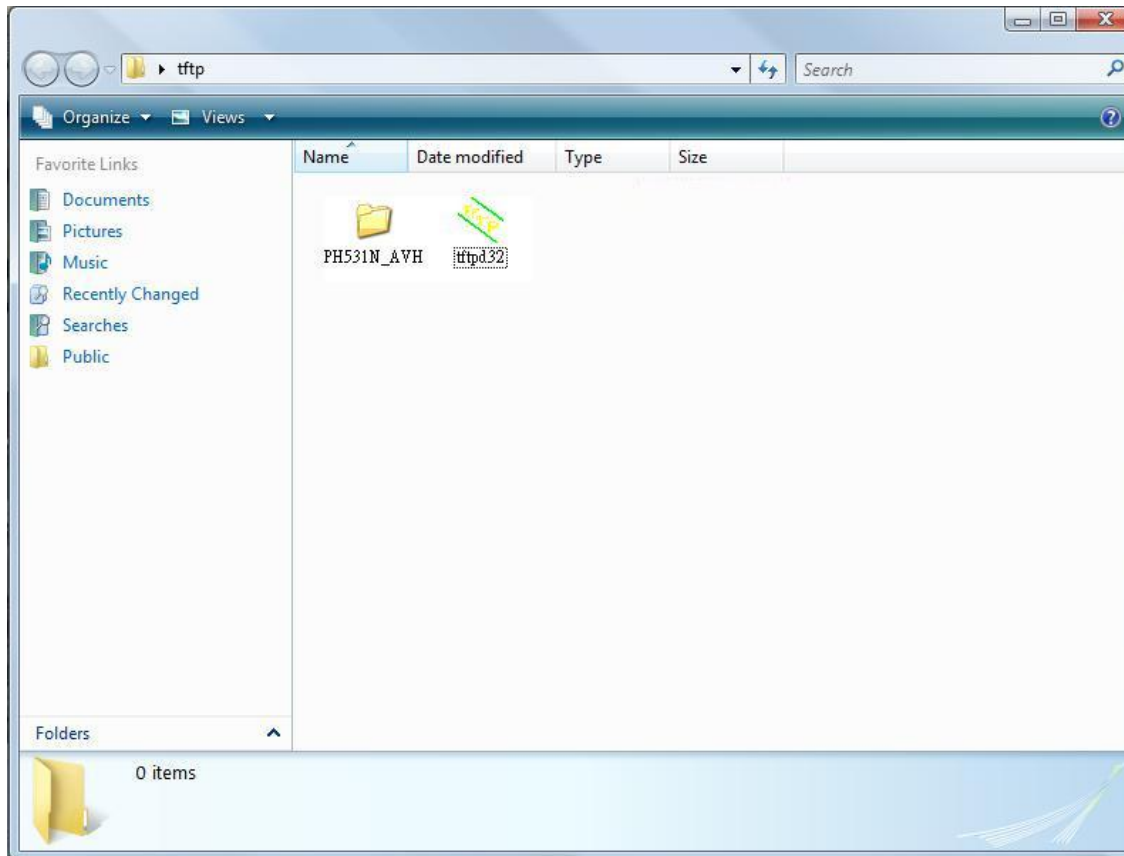
The screenshot displays the configuration page for an iSip-phone. The left sidebar contains a menu with the following items: Global Configuration, Change Password, Configuration Archive, Firmware Upgrade, and Phone Log. The main content area is divided into several sections:

- Network Settings:** Includes fields for SIP Port (Transport 1) set to 5060, Subnet Mask (255.255.255.0), DNS Server (192.168.1.1), Default Gateway (192.168.1.1), TFTP Server IP Address (192.168.1.55), and MAC Address (00:12:8D:00:03:F9).
- NAT Configuration (STUN):** Features a section for enabling STUN with radio buttons for "TURN ON STUN" and "TURN OFF STUN" (which is selected). Below this are fields for STUN Server Host (0.0.0.0), STUN Server Port Number (3478), and Refresh Interval (0-300 Seconds) set to 10.
- Ring Tone:** Includes a section for "Phone Ring Tone" with radio buttons for "Default Ring Tone" (selected), "Ring Tone 1", "Ring Tone 2", and "Ring Tone 3".

Navigation links such as "<<|top|bottom|>>" are visible at the end of the NAT and Ring Tone sections.

## 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.

**Firmware Upgrade**

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.)

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.