

### **PROVCOM IP SPEAKER**

PROV-H-320-W

### **User's Manual**



# **Copyright and Disclaimer**

Information in this document is subject to change without notice and does not bear any commitment on the part of PROVCOM.

No part of this document may be reproduced or transmitted in any form or by any means, electronic or other, for any purpose, without the express written permission from PROVCOM.

This manual provides guidelines only on how to use the system, PROVCOM is not responsible for any damage or errors caused by omission, wrong execution or outdated information mentioned on this manual.

# **IP SPEAKER Requirements**

To be able to take advantage of information mentioned in this manual, the following requirements must be done first:

- 1. Power Supply.
- 2. Have speaker connected to LAN.

## **Table of Contents**

Сс	pyri	ight an	d Disclaimer	II
Sy	ster	n Requ	irements	II
1	Get	ting St	arted	2
_	1.1	Aboi	JT PROVCOM IP SPEAKERS	3
	1.2	Befo	re vou Start	3
	1.3	Feat	ures	3
	1.4	Tech	nical Information	4
2	Spe	aker Ir	stallation	5
-	2.1	Crea	ting Hole on Ceiling	6
	2.2	Insta	Il Speaker on Hole	6
	2.3	Finis	hing Installation (Fixing Screws)	7
3	Spe	aker C	onfiguration	8
•	3 1		ריים או אין	9
	3.2	Netv	vork	10
	0.2	3.2.1	NIFI Settings	10
		3.2.2	NIFI Status	11
		3.2.3 L	AN Settings	11
		3.2.4	/PN Settings	12
	3.3	SIP A	Accounts	13
	3.4	Pagi	ng Settings	14
	3.5	Audi	0	15
	3.6	Spea	ker Maintenance	16
		3.6.1	Log	16
		3.6.2	Speaker Settings	17
		3.6.3	VLAN Settings	18
		3.6.4	Password	18
		3.6.5	Default Set	19
		3.6.6	Auto Provision	20
		3.6.7	FTP Upgrade	20
		3.6.8	TFTP Upgrade	21
		3.6.9	HTTP Upgrade	21
		3.6.10	Reboot	22
4	Tro	ublesh	ooting	23

# 1. Getting Started

#### **1.1 About PROVCOM IP Speakers:**

PROVCOM IP Speakers are new generation of IP speakers that will make paging process easier than ever, it comes with the set of tools and features that will make paging environment easier to manage, announce, expand, and to be monitored.

The speaker body is well designed, and using the elegant color (white), the speaker looks more beautiful and can be installed in most ceiling without affecting the general look of the ceiling itself.

#### 1.2 Before you start:

Before you start to read and use information mentioned on this manual, you need to make sure that your speaker model is matching on the following models:

PROV-H-320-W

#### **1.3 Features:**

- SIP/Multicast compatible.
- Support up to 3 SIP Accounts.
- Can join up to 20 Multicast Group.
- Web-based configuration.
- Power-over-Ethernet (PoE 802.3af) (PROV-H-320-P model only).
- Network and manual speaker volume control.

### **1.4 Technical Information:**

Specifications	
Dimensions	Height: 155 mm, Width (front: 215mm) (Back: 160mm )
Speaker Output	Up to 13 Watts
Microphone	Front: built-in high sensitivity microphone Back: 3.5 mm JACK
Working Environment	Temperature: 0 ~ 60 degrees Humidity: 10% ~ 90%
Network Interface	RJ-45 10/100 Mb
Protocol	SIP, Multicast
Power	Input : AC100~ 240V, output:DC12V/1A
Codec	G711, G729, G723
Weight	Net weight: 1.1 kg , gross weight: 2.0 kg
Buttons (Light)	Three Buttons.
	One: IP broadcast/Reset.
	Two: Volume UP.
	Three: Volume Down.
Warranty	2 years hardware
Color	White, Gray, Brown, Black

# 2. Speaker Installation

PROVCOM IP speakers are easy to install, it can be installed on the ceiling by following these easy steps:

### 2.1 Creating hole on the Ceiling:

First you will need to create a hole on the ceiling; it should be circle with diameter equal to (180 mm). As shown on figure2-1 below.



Figure 2-1: Creating Hole on Ceiling

### 2.2 Install Speaker inside the hole:

Push the speaker inside the installation hole then remove the speaker metal net using the net hook and fix the screws to install the speaker. As shown on figure 2-2 below.



Figure 2-2: installing speaker inside the hole

## 2.3 Finishing installation (Fixing Screws):

After fixing the screws and installing the speaker, return the net back to the front of the speaker, if the speaker connected to PoE or power adapter, it should boot up and the LEDs should blink.



### 3. Speaker Configuration

Before you start to configure the speaker, you need to know the IP address of the speaker, below are the ways you can learn the speaker IP address. *IP address will be obtained from DHCP, you can learn the IP address by pressing the first button from the left, it will announce the speaker IP.* 

### 3.1 Login

Once you type the IP address, the speaker will ask you for user name and password to allow you to access the speaker configuration.

Authentication	Required	×
The server http://1 password.	92.168.15.45:80 requires a username and	
User Name: Password:		
	Log In Cancel	]

Figure 3-1: Speaker Login Page

After you successfully login, the following main menu will appear.

Sustam Info	System Info
Network	Speaker Model: PROV-H-320-W
SIP Account	Software Version: V1.0.9.2-4104
Paging Setting	Hardware Version: V2.x.x
Audio Speaker Maint	Kernel Version: V2.6.5
	AutoProvision Server URL: TFTP://192.168.15.100
	TFTP Server IP: TFTP://192.168.15.100
	Refresh



The sections that follow will describe each option and how to configure its parameters.

#### 3.2 Network

This tab is used to set network settings, please note that, if you have wireless speaker, you can set LAN and VPN Settings.

#### 3.2.1 WIFI Settings

This tab is used to connect your WIFI speaker to your wireless network, if you know the SSID of your network, you can type it in the text field, and otherwise, you can use the button SITE SURVEY.

	WIFI Setting						
- System Info - Network + WIFI Setting + WIFI Status + LAN Setting + VPN Setting - SIF Account - Paging Setting - Audio	You can enter the W WIFI: O off @ or WPAWPA2: @ AE WIFI IP Bind:	ireless Network Name of AP. S TKIP					
- Speaker Maint	Wireless Network N	ame(\$SID): PROVCOM TECH					
- Speaker Maint	Wireless Network N	ame(SSID): PROVCOM TECH	Channel	Туре	Encrypt	Signal	Selec
- Speaker Maint	Wireless Network N	ame(SSID): PROVCOM TECH	Channel 9	Type b	Encrypt WEP	Signal 38	Selec
- Speaker Maint	Wireless Network N SSID AUJAN HAJDYAH 1	ame(SSID): PROVCOM TECH BSSID 00a0f8d975f5 ECH 442b038c09bb	Channel 9 6	Type b b/g	Encrypt WEP WPA-PSK	Signal 38 32	Selec
- Speaker Maint	Wireless Network N SSID AUJAN HAJDYAH T AIC	BSSID         PROVCOM TECH           BSSID         0.0a0f8d975f5           ECH         442b038c09bb           000090f6a0b9         000090f6a0b9	Channel 9 6 3	Type b b/g b/g/n	Encrypt WEP WPA-PSK WPA-PSK	Signal 38 32 26	Selec
- Speaker Maint	Wireless Network N AUJAN HAJDYAHT ALC khaldi-khd	ame(SSID): PROVCOM TECH BSSID 1 0040fb4975f5 ECH 442b038c09bb 00090fe6a0b9 bar 559835ea1001	Channel 9 6 3 6	Type b b/g b/g/n b/g/n	Encrypt WEP WPA-PSK WPA-PSK/WPA2-PSK WPA2-PSK	Signal 38 32 26 24	Selec
- Speaker Maint	Wireless Network I SSID AUJAN HAJDYAH1 AIC khaldi-kin FORSA	ame(SSID): PROVCOM TECH BSSID 00a0ft049755 ECH 442b038c09bb 00000fe30b9 bar 550835eaf001 bar 650719c9ca72	Channel 9 6 3 6 1	Type b b/g b/g/n b/g/n b/g/n	Епстурі	Signal 38 32 26 24 22	Selec
- Speaker Maint	Wireless Network I AUJAN HAJDYAH AIC khaldi-kha AJJANLI	ame(SSID):         PROVCOM TECH           BSSID         000a0f649785           COMDADR649785         000000682009           COMDADR64059         000000682009           bar         569835640501           IA         C6d71000ca72           IX2         00000f661	Channel 9 6 3 6 1 2	Type b b/g b/g/n b/g/n b/g/n b/g/n b	Епстурі	Signal 38 32 26 24 22 20	Selec © © ©
- Speaker Maint	Wireless Network N AUJAN H4,JDYAH 1 AIC Haldi-Mu FORSAN AUJANLII AUJANLII	BSSID:         PROVCOM TECH           00a0fed97565         00a0fed97565           ECH         442003800905           00000feda059         00000feda059           bar         569336a4001           1A         C60710c0ca72           1X2         00a0fed05a17           12         20200feda099	Channel 9 6 3 6 1 2 3	Type b b/g b/g/n b/g/n b/g/n b b b/g/n	Елстура WEP WPA-PSK WPA-2PSK WPA2-PSK WPA2-PSK WEP WEP	Signal 38 32 26 24 22 20 18	Selec
- Speaker Maint	Wireless Network 1 AULAN HALDYAHT ARC HAIDIGHT FORSA AULANLI AUL_WII AUL_WII	BS3D:         PROVCOM TECH           B\$SID         0000006785           0000006785         000000630090           bar         56983564001           IA         668716/06472           IK2         0000065409           71         2200006549	Channel 9 6 3 6 1 2 3 3 3	Type b b/g b/g/n b/g/n b/g/n b/g/n b/g/n	<u>Encrypt</u> VVEP VVPA-PSK VVPA-PSK VVPA2-PSK VVPA2-PSK VVEP VVEP VVPAVVPA2 VVPAVVPA2	Signal           38           32           26           24           22           20           18           16	Selec
- Speaker Maint	Wireless Network N SSID AUJAN HAJDYAH AIC Khaldi-Mic FORSAN AUJ_WII AUJ_WII AUJ_WII DELTA-Com	Bits         PROVCOM TECH           00a0fied078f5         00a0fied078f5           ECH         442b038008b           00000fe6a059         00000fe6a059           bar         559935ea0f01           bA         C60719c0ca72           k2         00a0ffe6a159           7i         22000fe6a059           7i         22000fe6649           7i         22000fe6649	Channel           9           6           3           6           1           2           3           3           11	Type b b/g b/g/n b/g/n b/g/n b/g/n b/g/n b/g/n	Encrypt WEP WPA-PSK WPA-PSK WPA2-PSK WPA2-PSK WPA2-PSK WEP WPAVPA2 WPAVPA2 WPAVPA2	Signal           38           32           26           24           22           20           18           16           14	Selec © © © ©

Figure 3-3: Configure WIFI Settings

### 3.2.2 WIFI Status

After you connect your speaker with the wireless access point, you can check the status of the connection by going to the tab WIFI Status.

- System Info - Network + WIFI Setting + UNFI Status + LAN Setting - VPN Setting - SIP Account - Paging Setting - Audio - Speaker Maint	WIFI Status Wireless Configuration System Version: V2.0 WIFI MAC: BCF 685 FE-9E-E8 Mode: AP Client SIGIC: MADDYAH TECH Encrytion: WPA-PSK BSSIC: 44.25 03.8c 09.bb State: Connected Signal: 35 Refresh
--	--

Figure 3-4: Check WIFI Status

#### 3.2.3 LAN Settings

This tab is used to configure speaker IP settings, all you need to configure is speaker IP address type (preferred static), and optionally DNS.

LAN Port	
IP settings	
C DHCP	
Hostname(Option 12):	speaker1
Manufacturer(Option 60):	
Static IP	
IP Address:	192.168.15.45
Netmask:	255.255.255.0
Gateway:	192.168.15.1
PPPoE	
Username:	
Password:	
MTU:	1500 Default: 1500
DNS Settings	
Automatic	
Manual DNS	
Primary DNS:	0.0.0.0
Secondary DNS:	0.0.0.0
MAC Address	
MAC Address:	00:26:8b:01:7b:3c
Port Management Settings	
HTTP Port:	80
Telnet Port:	23
Socket5 Proxy Server	
Socket5 Proxy Server:	● off <sup>©</sup> on
Server IP:	*
Port:	1080 *
Anonymous Login:	
Username:	
Password:	
Please Note: Changing the defau	ult HTTP Port (80) will require using the
new port number to access the If that changes require a report. Up	Speaker web interface. Please note se the following format when not using
the default HTTP (http://ip addres	s:portnumner).
Submit	

Figure 3-5: Configure LAN Settings

#### 3.2.4 VPN Settings

If your speaker part of VPN network, you need to configure the VPN settings from this tab.

- System Info - Network + WIFI Setting + WIFI Status + LAN Setting + VPN Setting - SIP Account - Paging Setting - Audio - Speaker Maint	VPN Setting Enable VPN: VPN Type: L2TP L2TP L2TP VPN Server Addr : VPN User Name : VPN User Name : VPN Password : Submit



#### 3.3 SIP Accounts

PROVCOM IP speakers can join up to 3 SIP accounts, information needed on this tab is SIP server IP, port number, account code and password, if all information inserted are valid and correct, the speaker will attempt to register with the SIP server.



Figure 3-7: Configure SIP Account

### 3.4 Paging Settings

PROVCOM IP speakers can join up to 20 multicast zones, you can add them manually from this tab by inserting the multicast IP and port number for each zone.

Paging Setting	
Paging 1:	● off <sup>©</sup> on
Group IP:	Port: 10000
Paging 2:	● off <sup>©</sup> on
Group IP:	Port: 10000
Paging 3:	● off <sup>©</sup> on
Group IP:	Port: 10000
Paging 4:	● off ◎ on
Group IP:	Port: 10000
Paging 5:	● off ◎ on
Group IP:	Port: 10000
Paging 6:	● off ◎ on
Group IP:	Port: 10000
Paging 7:	● off ◎ on
Group IP:	Port: 10000
Paging 8:	● off ○ on
Group IP:	Port: 10000
Paging 9:	● off ◎ on
Group IP:	Port: 10000
Paging 10:	● off ○ on
Group IP:	Port 10000
Paging 11.	• off • on
Baging 12:	Poit. 10000
Group IP:	Rott 10000
Paging 13:	
Group IP:	Bort 10000
Paging 14:	
Group IP:	Port: 10000
Paging 15:	
Group IP:	Port: 10000
Paging 16:	● off ○ on
Group IP:	Port: 10000
Paging 17:	● off ◎ on
Group IP:	Port: 10000
Paging 18:	● off ◎ on
Group IP:	Port: 10000
Paging 19:	● off ◎ on
Group IP:	Port: 10000
Paging 20:	● off <sup>©</sup> on
Group IP:	Port: 10000
Submit	

Figure 3-8: Configure Paging Settings

#### 3.5 Audio

To manage speaker volume level and microphone level, you need to use this tab, please note that for most cases, if you enable microphone, keep it on level 7, for speaker sound, it is recommended not to use more than level 4 unless you are sure your covered area is crowded and noise level is high.

Audio	
Tone	
Select Country: China 💌	
Output Volume (1~9)	Intput Volume (0~7)
SpeakerPhone Volume: 2	SpeakerPhone Mic Volume:
Voice Codec	
Payload Length: 20 💌 ms	High Rate of G723.1: 👿
Jitter Buffer	
Type: 💿 Adaptive 🔘 Fix	red
Min Delay: 60	Max Delay: 150
Normal Delay: 120	
Other	
VAD:	Echo Suppression Mode: 📃
SideTone:	
Ring Type: Ring1	Delete
Uploading Ring Tone	
Upload Cancel	
(Please upload a ring tone with G711A audio coding, Maximum 10 rings and the total sizes mus less than 150k.)	t
Audio Codecs : Up G722 A enableCode Down G711A G711U G729A G723 T	disableCode
Submit	

Figure 3-9: Configure Audio Settings

#### 3.6 Speaker Maintenance

From time to time, you need to check the speaker health and usage, and configure some more additional options, we placed these options on one big tab named speaker maintenance, using this tab, and you can reset the speaker or retrieve the speaker log file for more maintenance.

#### 3.6.1 Log

As known for most systems, log file will serve you when the speaker behavior is changed due to some reason, log file contains information you need to investigate the issue, it is recommended to submit log file to PROVCOM support if you need assistance from them.

Figure 3-10: Configure Log Settings

### 3.6.2 Speaker Settings

This tab is reserved for future use, you can just set the date and time from this tab and all other options will be ignored.

Speaker Setting	
Basic	
Called No AnswerTime:	70 s (Min:20, Max:1800)
Caller No AnswerTime:	180 s (Min:90 Max:1800)
DTME :	REC 2833      Inband      SIP Info      Auto
Pound Send Method :	◎ # ◎ %23
RFC 2833 PayLoad:	101
BackLight:	○ off ○ Always On ● timer 60 s (Min:1, Max:255)
Keyboard Lock:	Disabled
PSTN Setting	
PSTN Ring Type:	PSTN Ring     VOIP Ring
PSTN Prefix Code:	
VOIP Prelix Code.	
Hook Frequency:	500 (Default:500 ms:min:100 ms:max:1600 ms)
Qos	
SIP Qos:	26 (0-63)
Voice Qos:	46 (0-63)
Call	
BLF Transfer In Taking	● off ○ on
BLF Transfer Mode	Blind Transfer      Attended Transfer
Hot Line Function:	on ○ Immediately Hot Line ◎ Delay 5 s (5-30)
Hot Number:	
Call Waiting:	◯ off ● on
Call Waiting Tone:	off   Play on currently active device Frequency: 10 s (5- 60)
Auto Answer:	○ off ● on ○ Turn On But Filter This Group: NONF -
Auto Answer Mode:	Hands Free      Handle     Headset
Pickup Function:	⊙ off ● on
Pickup Code:	123
Message:	*97
Fuzzy Search:	● off ◯ on
Booking Voicemail:	No 💌
Play Voicemail Tone:	● off ○ on
Miss Call Display:	◯ off ◉ on
Call List Save:	© off ℗ on
DND Softkey:	off e on
Play Hangup Tone:	● off ○ on
Transfer Code :	● off <sup>©</sup> on Number:
Conference Exit Result:	Disconnect All     Others Remain Connected
Return code when PND:	603(Decline)
Elash book time(<800ms);	500
VOIP Call Forward	
Always	🔍 off 🔘 on Number
If Busy :	● off ○ on Number:
If No Anowor	
in No Answer:	
Ring Frequency:	15 (Default: 15s, Max: 15s)
Set Time Mode :	🗢 SNTP 🖲 SIP Server 🗢 PSTN 🗢 Manual
SNTP Server	sparky services adelaide edu au
Sivir Selver.	sparky.services.adelaide.edu.au 💌 List
	sparky.services.adelaide.edu.au Manual
SNTPSecondary server:	www.time.ac.cn
۲	www.time.ac.cn
0	www.time.ac.cn Manual
Update Interval(seconds):	600
Daylight Savings Time	
Mode:	🗢 aiways oπ 🗢 always on 💌 Auto
Time Format:	24 Hour      12 Hour
Date Format:	
Manual Setting	GMT+08:00 Beijing
2000 Year 1	Month 1 Day 0 Hour 0 Minute 0
Second	
Other	
QoS:	40 Diff-Serv or Precedence
Check When Upgrade	Check BLF Light: On 💌
Sontware:	
Headset Mode:	la Norman C Seatmode
Headset Mode: Ring Type On Seat Mode:	Headset Speaker
Headset Mode: Ring Type On Seat Mode: Network Packet Mirroring:	● Headset ○ Speaker
Headset Mode: Ring Type On Seat Mode: Network Packet Mirroring:	● Headset ○ Speaker Off ▼

Figure 3-11: Configure Speaker Settings

#### 3.6.3 VLAN Settings

If your speakers will operate in vlan, you will need to configure vlan options from this tab, otherwise, your speaker may not operate or play any announcement.

- System Info - Network - SIP Account - Paging Setting - Audio - Speaker Maint + Log + Speaker Setting + VLAN Setting + Password + Default Set + Auto Provision + FTP Upgrade + HTTP Upgrade	VLAN Setting           VLAN           Enable Vian:           LAN Port           PC Port           VID:           IN:           VID:           VID:
---	--

Figure 3-12: Configure VLAN Settings

#### 3.6.4 Password

If you need to change default password to access the speaker, you will need to use this tab, please note that the password need to be kept safe and not distributed to anyone unless they have direct permission to interact with the speaker.

PROVCOM	
- System Info - Network - SIP Account - Paging Setting - Audio - Speaker Maint + Log + Speaker Setting + VLAN Setting + VLAN Setting + Password + Default Set + Auto Provision + FTP Upgrade + TTP Upgrade + HTTP Upgrade + Reboot	Password         Username:         Old Password         New Password         Confirm Password         @ Administrator         Submit

Figure 3-13: Change Password

### 3.6.5 Default Set (Reset)

If you need to restore the factory settings for the speaker, you will need to use this tab, please note that restoring the factory settings will erase all configuration that been made on the targeted speaker, be careful with it.

	Default Setting
- System Info	
- Network	When click this button this equipment will restore to the default status
- SIP Account	Pay Attention: It will take effect on next reboot.
- Paging Setting	
- Audio	Reset to Factory Settion
- Speaker Maint	Treast of actory Setting
+ Log	
+ Speaker Setting	
+ VLAN Setting	
+ Password	
+ Default Set	
+ Auto Provision	
+ FTP Upgrade	
+ TFTP Upgrade	
+ HTTP Upgrade	

Figure 3-14: Reset Speaker Settings

### 3.6.6 Auto Provision

Auto provision is used to let the speaker read its configuration from server instead of manually configuring it, this tab will require information such as server name or IP address, username and password (optional), frequency to check, check on reboot. The file name of the speaker has to be named with its MAC address. (ex. *00a0f8d975f5*.xml)

PROVCOM	
	Auto Provision
- System Info - Network	Auto Provision: 🔘 on 🦳 off
- SIP Account	Option: 66 (Default:66 Min:1 May:254)
- Paging Setting - Audio	Protocol: TFTP V
- Speaker Maint	Software Server URL: TFTP://192.168.15.100
+ Speaker Setting	Username:
+ VLAN Setting	Password:
+ Default Set	Auto Download Software
+ Auto Provision + ETP Lingrade	Auto Download Enterprise Phonebook
+ TFTP Upgrade	Booting Checked
+ HTTP Upgrade + Reboot	Disable the Speaker while  off  off on
	Auto Provision Frequency: 168 Hour (Default :7 days, Max:30 days )
	Auto Provision Time: None 💌
	Auto Provision Next Time: Wed Dec 4 16:38:37 2013 Reset Timing
	AES Enable: Off O on
	AES Key :
	Auto Provision Now
	Submit

Figure 3-15: Configure Auto Provision Settings

#### 3.6.7 FTP Upgrade

For new firmware and upgrade of speaker software, you can use FTP, TFTP and HTTP, if you decided to use FTP, configure FTP parameters from this tab.

•	
	FTP Upgrade (Attention: Do not cut off the electricity when Upgrade!!)
- System Info	
- Network	Server IP:
- SIP Account	Fileneme
- Paging Setting	ritenanie.
- Audio	Username:
- Speaker Maint	
+ Log	Password:
+ Speaker Setting	Software Upgrade: Lingrade
+ VLAN Setting	
+ Password	Kernel Upgrade: Kernel Upgrade
+ Default Set	Note: If a noncensory to input filenome when backup
+ Auto Provision	Note, it's no necessary to input menance when backup.
+ FTP Upgrade	Configuration: Update Backup
+ TFTP Upgrade	Divers Davis United Device
+ HTTP Upgrade	Phone Book: Update Backup
+ Reboot	

Figure 3-16: Configure FTP Upgrade Settings

### 3.6.8 TFTP Upgrade

If you choose to upgrade speakers using TFTP, configure its parameters from this tab.

	TFTP Upgrade (Attention: Do not cut off the electricity when Upgrade!!)
- System Info	
- Network	Server IP:
- SIP Account	
- Paging Setting	Filename:
- Audio	Software Upgrade: Upgrade
- Speaker Maint	
+ Log	Kernel Upgrade: Kernel Upgrade
+ Speaker Setting	Note: It's no necessary to input filename when backup
+ VLAN Setting	
+ Password	Configuration: Update Backup
+ Default Set	Bhana Book, Undete Bookun
+ Auto Provision	Phone Book. [Opdate] Backup]
+ FTP Upgrade	EXT Module: Update Backup
+ TFTP Upgrade	
+ HTTP Upgrade	

Figure 3-17: Configure TFTP Settings

#### 3.6.9 HTTP Upgrade

If you choose to upgrade speaker's software using HTTP, configure its parameters from this tab.

ROVCOM	
- System Info - Network - SIP Account - Paging Setting - Audio - Speaker Maint + Log + Speaker Setting + VLAN Setting + Dealut Set - Dealut Set + Auto Provision + FTP Upgrade + TTP Upgrade + TTP Upgrade + Reboot	HTTP Upgrade       (4tention: Do not cut off the electricity when Upgrade))         HTTP Upgrade:       Select a File:       Browse         Software Upgrade:       Upgrade]       Browse         Kernel Upgrade:       (Kernel Upgrade)       Configuration:       Upload)         Log:       Download       Log:       Download         All Config File:       Download       Log:       Download

Figure 3-18: Configure HTTP Upgrade Settings

### 3.6.10 Reboot

For rebooting the speaker, please use this tab, please note that you don't have to reboot the speaker unless it is necessary, like it is hanging or not responding which is rarely happens.

	Reboot
- System Info	Attention: When click this button this equipment will be report web service will
- Network	interred, please connect again
- SIP Account	mened, predec connect again.
- Paging Setting	
- Audio	
- Speaker Maint	Report
+ Log	
+ Speaker Setting	
+ VLAN Setting	
+ Password	
+ Default Set	
+ Auto Provision	
+ FTP Upgrade	
+ TFTP Upgrade	
+ HTTP Upgrade	
+ Rehoot	

Figure 3-19: Speaker Reboot

## 4. Troubleshooting

This section contains questions and answers to the common issues that you may face when dealing with PROVCOM IP speakers.

**Q: I have installed the speaker, how do I know the current IP address?** You need to press the first button from the right of the speaker, it will announce the IP address, and then you can type the address in your browser to access the web interface of the speaker.

#### Q: I configured the speaker, but still cannot reach it, what should I do?

This may be related to gateway, all speakers need gateway to be set, otherwise it may be VLAN issue or the switch is connected to different network than yours, contact your network administrator and ensure that you can ping the speaker, if all failed, you need to reset the speaker and do the configuration again.

# Q: I need to reset the speaker to original factory settings, what should I do?

There are two ways to reset the speaker to the factory settings:

Note that this action will erase all configuration previously made on speaker.

*From web interface:* login to your speaker and navigate to speaker maint>Default Set, then click the button Reset to Factory Setting.

*From speaker:* press and hold the first button on the right of the speaker for 20 seconds, the speaker will reboot and return to factory settings.

# Q: I configured the speaker properly, but when it plays any sound, it automatically reboots what should I do?

To use PROVCOM IP speakers properly, you need to make sure that the switch connecting the speakers is PoE switch and it's producing 15.5 WATTS on each port.

#### Q: Can I configure the speaker to use VLAN?

YES, just login to your speaker web interface and navigate to Speaker Maint> VLAN Setting.

# Q: I configured auto provision properly, but the speaker cannot retrieve the correct file, what should I do?

To use auto provisioning well, you need to set up TFTP server, and configure each speaker to contact the TFTP (AUTO PROVISIONING) server, on the server side, you need to create xml file for each speaker that will connect to the auto provisioning server, and the name of the xml file must be speaker MAC address, for example (00a0f8d975f5.xml) and so on.

If you need further assistance, please contact PROVCOM support at <a href="mailto:support@provcom.net">support@provcom.net</a>