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CooVox Series User Manual(Admin)

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Safety Notice

Please read the following safety notices before installing or using this IP PBX. They are crucial for safe and reliable operation of the device. Failure to follow the instructions contained in this document may result in damage to your PBX and void the manufacturer's warranty.

1. Please use the external power supply which is included in the package. Other power supplies may cause damage to the device, affect the performance or induce noise.

2. Before using the external power supply in the package, please check your building power voltage. Connecting to Inaccurate power voltage may cause fire and damage.

3. Please do not damage the power cord. If the power cord or plug is impaired, do not use it. Connecting a damaged power cord may cause fire or electric shock.

4. Ensure the plug-socket combination is accessible even after the PBX is installed. In order to service the PBX it will need to be disconnected from the power source.

5. Do not drop, knock or shake the device. Rough handling can break internal circuit boards.

6. Do not install the device in places where there is direct sunlight. Also do not place the device on carpets or cushions. Doing so may cause the device to malfunction or cause a fire.

7. Avoid exposing the device to high temperature (above 40°C), low temperature (below -10°C) or high humidity. Doing so could cause damage and will void the manufacturer warranty.

8. Avoid letting the device come in contact with water or any liquid which would damage the device.

9. Do not attempt to open it. Non-expert handling to the device could cause damage and will immediately void the manufacturer warranty.

10. Consult your authorized dealer for assistance with any issues or questions you may have.

11. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device.

12. Wipe it with soft cloth that has been slightly dampened in a mild soap and water solution.

13. If you suspect your device has been struck by lightning, do not touch the device, power plug or phone line. Call your authorized dealer for assistance to avoid the possibility of electric shock.

14. Ensure the PBX is installed in a well ventilated room to avoid overheating and damaging the device.

15. Before you work on any equipment, be aware of any hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents. If you are in a situation that could cause bodily injury.

Chapter 1 Changelog

CooVox V1.0.5 Changelog

- 1. Persian voice prompts. (U20/U50/U100)
- 2. Call Transfer outbound cid acquisition. (U20/U50/U100)
- 3. Arabic voice prompts. (U20/U50/U100)
- 4. Custom option on IVR page, allowing to select a DialPlan for IVR. (U20/U50/U100)
- 5. Detection for illegal characters on Global SIP of Options. (U20/U50/U100)
- 6. New and improved Phonebook for user login. (U20/U50/U100)
- 7. Phonebook is related with extensions. (U20/U50/U100)
- 8. Phonebook is related with Call Logs , through which the contact can be added directly. (U20/U50/U100)
- 9. Call Forward in Advanced menu. (U20/U50)
- 10. Do Not Disturb in Inbound Control menu. (U20/U50)
- 11. Peer mode for SIP in SIP trunk . (U20/U50)
- **12**. Operator login with default password "password" (only available after setting to factory default). (U20/U50/U100)
- 13. Backup for MOH music file in system backup. (U20/U50)
- 14. A number is not in the range when adding or editing, adding the link for where to add or edit . (U20/U50)
- 15. SIP Allowed Address in security page . (U20/U50/U100)
- 16. Call Duration Limit in DialRule page. (U20/U50/U100)
- 17. TimeRule in DialRule. (U20/U50)
- 18. Matching for (+) in calling number matching. (U20/U50)
- 19. Option for auto closing after organizer quitting on conference page. (U20/U50/U100)
- 20. Italian language. (U20/U50/U100)
- 21. Advanced Protocol File options in E1/T1/R2 settings.(U50/U100)
- 22. TE_PTP & TE_PTMP options in BRI settings. (U50/U100)
- 23. VGA login for super users.(U100)
- 24. Followme outbound cid acquisition(call transfer error through E1/VoIP trunk). (U100)

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- 25. Accept IP of PPTP in VPN server. (U100)
- 26. Plug and Play (PNP) feature. (U100)

- 27. Fool-proofing detection on Global SIP page. (U100)
- 28. "Office closed" feature code. (U100)
- 29. Call Transfer config in administrator config page. (U100)
- 30. Merged improved Phonebook & Speeddial page (former phonebook & speeddial data will get lost after updating). (U100)

CooVox V1.0.5 Patch1 Changelog

1. Follow me and call forward configuration are automatically deleted when deleting the extension. (U20/U50)

- 2. Static route setting of virtual interface address. (U20/U50)
- 3. Batch upload & download for Callgroup and pickupgroup on User Extentions page. (U20/U50)
- 4. French system language (Cache cleaning required). (U20/U50/U100)
- 5. Spanish system language (Cache cleaning required). (U20/U50/U100)
- 6. Options for more local network config in global SIP configuration . (U20/U50)
- 7. "Allow Guest" option in global SIP variables. (U20/U50/U100)
- 8. Added PPI(P-Preferred-Identity) in outbound SIP signaling; it is one way of the outbound callerid of
- sip trunk. (U60/U100)
- 9. Add 3G driver loading process in rc.local file. (U60)
- 10. Add "hardware echo cancellation" option in "Global Analog Settings" page. (U60)
- 11. Added "Refresh" button for DHCP Client List. (U60)
- 12. Add Call Group and Pickup Group in Download Extensions Template. (U60)
- 13. Added options for "Remote HTTP/SSH Administration" on "Service" of GUI.(U100)
- 14. Multiple local networks can be configured on Global SIP Settings page. (U100)

CooVox-U20 V1.0.5 Patch2 Changelog

- 1. System voice prompts can be recognized automatically and can be downloaded online. (U20/U50)
- 2. Support Auto-Provision feature for Akuvox and Escene phones. (U20/U50)
- 3. Added search method based on caller/callee number on record list page. (U20/U50)
- 4. Recording list can be paged. (U20/U50)
- 5. Group members' extensions in ring group can be configured as the "Ring group number". (U20/U50)
- 6. System will remind "whether to delete the recording files" when deleting the monitored extension from Call Recording page. (U20/U50)
- 7. Added fax list page for both admin and extension user web GUI. (U20/U50)
- 8. Added PPI(P-Preferred-Identity) in outbound SIP signaling; it is one way of the outbound callerid of sip trunk. (U20/U50)
- 9. Added tcpdump command for capturing packet. (U20/U50)
- 10. Added macros in Custom options of PNP function, \${MAC} = MAC address. (U20/U50)

11. When adding new BRI trunk on the page of BRI Trunk, it can be active after system reboot. (U50)

CooVox V.1.1.0 Changelog

- 1. Added "call duration" on "Record List" page (Administrator & Extension User GUI). (U20/U50/U60/U100)
- 2. Added Russian language option in the GUI. (U20/U50/U60/U100)
- 3. Added "Timeout" on IVR page(The maximum interval time for prompt playback). (U20/U50/U60/U100)
- 4. Added the extension number in destination ID field and also the ring-group or queue the extension is associated with on Call Logs page. E.g.: Extension 806 which belongs to ring-group 640 receives a call from caller 801. (U20/U50/U60/U100)
- 5. Added DST(daylight saving time) to Tehran Time. (U20/U50/U100)
- 6. Added the option "Keep the current network settings" when reset to factory default. (U20/U50)
- 7. Added the option "Ring Timeout" in Global Analog Settings page, which is used to define the time to hang up the call when there isn't a ring signal before the FXO answers. (U20/U50/U60/U100)
- Added the option "Enable Attended Transfer Caller ID" in Options page. Once enabled, the Caller ID will be sent to the transferred destination when transferring the call. (U20/U50/U60/U100)
- 9. Added more brands to Auto Provision: (U20/U50/U60/U100)

1) Support auto-provision of Cisco IP Phone SPA303 (TFTP(DHCP Option66) only, DOES NOT support PnP);

2) Support auto provision of MOCET IP Phone IP3032E (Default is PnP, also support TFTP(DHCP Option66));

3) Support auto provision of Hanlong IP Phone UC860P, UC842, UC802P, UC840P, UC804P, UC806P (Default is PnP, also support TFTP(DHCP Option66)).

- 10. Added PPTP client watch process.(U60/U100)
- 11. Fax files can be displayed on list. (Administrator & Extension User GUI). (U60/U100)
- 12. Added calling and called retrieval in recording list. (Administrator & Extension User GUI). (U60/U100)
- 13. Strengthen the recovery function of backup files; it's available to choose recovery PBX or network settings when restore backup. (U60/U100)

CooVox V1.1.1 Changelog

- 1. Added UserAgent option on Global SIP Settings page. (U20/U50/U60/U100)
- 2. Added One Number Stations function(One number for all stations; please learn details from the user manual), function of switch station will take effect after factory reset. (U20/U50/U60/U100)
- 3. Added Report info menu on the Operator page. (U20/U50/U60/U100)
- 4. Support 3G network as backup when WAN fails to access internet. (U20/U50/U60/U100)
- 5. Added CooBill Plug-in. (U20/U50/U60/U100)
- 6. Added CooCall Plug-in. (U20/U50/U60/U100)
- 7. Added Auto Provision function for iSpeaker C20. (U20/U50/U60/U100)
- 8. Added Label function for Number DID. (U20/U50/U60/U100)
- 9. Add Turkish language option in the GUI. (U20/U50/U60/U100)

- 14. Added synchronization button for NTP time setting in case of failure of auto-synchronizati on. (U20/U50/U60/U100)
- 15. Added Web Dial function on the Extension User GUI. (U20/U50/U60/U100)
- 16. Support auto-provision for Fanvil IP Phone. (U20/U50/U60/U100)
- 17. Added 3G voice module driver.(U50/U100)
- 18. Added the privileges for super user to recover root password and check IP address of W AN and LAN .(U60/U100)
- 19. Added VLAN static route setting. (U60/U100)
- 20. Backup hot_standby configurations and display them on System Backup page.(U100)

For more information please go and download the changelog to each model respectively on our webs ite. <u>http://zycoo.com/html/Download.html</u>

V1.1.1 CooVox Series User Manual is the latest version, updated based on V1.1.1 Changelog.



Chapter 2 Brief Introduction

2.1 Brief Introduction of CooVox Series

The CooVox Series IP PBXs are designed to provide SMEs (small & medium enterprises) with all the standard and advanced features that are normally only available from large, expensive, legacy PBX manufacturers. Aimed at businesses with up to 100 extensions, the CooVox Series IP PBXs are based on SIP and OpenSource Asterisk 1.8, with whose innovative modular telephony design, that is easy to expand the PBX to meet the growing needs of your business.

CooVox Series IP PBXs come in four sizes: U20 / U50 / U60 / U100.

Each model will be introduced in detail below:

CooVox-U20 is configured with 2 analog ports:

	FXS FXO		
CooVox-U20	1	1	
	0	2	

CooVox-U50 consists of two main parts: U50 Host and Modules. There are 2 slots in the system and the modules can be utilized as in the diagram below:

U50 Slot U50 Module	Slot 1	Slot 2
4FXS	~	✓
4FXO	✓	✓
2FXOS	✓	~
2GSM	✓	✓
4GSM	✓	✓
1PRI	✓	×
4BRI	✓	×

CooVox-U60 is configured with 24 analog ports:

	2FXS	2FXO	FXOS
CooVox-U60	~	✓	✓

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CooVox-U100 consists of two main parts: U100 Host and Modules. There are 2 slots in the system and the modules can be utilized as in the diagram below:

	•	
U100 Slot U100 Module	Slot 1	Slot 2
4FXS	\checkmark	✓
4FXO	✓	✓
2FXOS	✓	✓
2GSM	✓	✓
4GSM	✓	~
1PRI	✓	✓
4BRI	×	✓

2.2 Main Features

- 1. SIP/ IAX Extension Registration
- 2. Video Call
- 3. USB Mobile Hard Disk Record (Scalable)
- 4. IP Phone Provisioning (Grandstream /Yealink/Fanvil IP Phone)
- 5. Call Record /Ring Group Record/ Call Queue Record
- 6. Web-based Administration and configuration
- 7. Web-based Extension User Management
- 8. Voicemail
- 9. Caller ID
- 10. Call Parking/ Call Forward/ Call Transfer/ Call Waiting
- 11. Call Center Queues
- 12. Black List
- 13. Phonebook
- 14. Flexible Dial Plan
- 15. Virtual Fax (fax to email, and email to fax)
- 16. DID/Smart DID/ DOD
- 17. Dial by Name
- 18. Speed Dial
- 19. Do Not Disturb
- 20. Callback
- 21. Skype for SIP
- 22. Ring Group
- 23. Conference Bridge (Three Conferences)

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- 24. Music On Hold
- 25. DISA (Direct Inward System Access) /Paging And Intercom
- 26. Call Detail Record
- 27. IP Phone Feature Code
- 28. One Number Stations
- 29. BLF(Busy Lamp Field)
- 30. Static /DHCP /PPPoE Network Access
- 31. DHCP Server
- 32. System Backup
- 33. T.38 Pass-through
- 34. Audio Codec: G.722/ G.711-Ulaw/ G.711-Alaw/ G.726/ G.729/ GSM/ SPEEX
- 35. Video Codec: H.261/ H.263 / H.263+ / H.264
- 36. VPN Server (L2TP / PPTP / OpenVPN, up to 10 connections for VPN clients)
- 37. VPN Client (L2TP / PPTP / OpenVPN / N2N)
- 38. SNMPv2
- 39. IPv4 / IPv6
- 40. DDNS(Dyndns.org /No-ip.com /zoneedit.com)

2.3 Modules

	Contraction of the second seco
4FXS Module	4FXO Module
2FXOS Module	2GSM Module
4GSM Module	4BRI Module



2.4 Hardware Interfaces

2.4.1 CooVox-U20



CooVox-U20 Front Panel



CooVox-U20 Rear Panel

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- 1 * Reset Button
- 1 * Power Interface (DC 12V2A)
- 1 * Ethernet Interface (10/100Mbps)
- 2 * Analog Ports(FXO/FXS)
- 1 * UMTS Port

U20 LED Indication

Indication	Function	Status	Explaination
PWR	Power Status	On	Power On
PVVK	Power Status	Off	Power Off
SYS	System Status	Blink	System Works
515	System Status	Off	System Fails
ETU	WAN or LAN Data	Blink	Data Transport
ETH	Status		
		Off	Module not running
	GSM or UMTS(3G)	64ms On/800ms	Module doesn't find network
G		Off	
	Status	64ms On/3000ms	Module finds network
		Off	
		Red	Channel Loading Success
1	FXO	Blink	Channel Ringing
		Off	Channel Loading Failure
		Green	Channel Loading Success
2	FXS	Blink	Channel Ringing
		Off	Channel Loading Failure

2.4.2 CooVox-U50



CooVox-U50 Front Panel



CooVox-U50 Rear Panel

- 1 * Reset Button
- 1 * Power Interface (DC 12V2A)
- 1 * Ethernet Interface (10/100Mbps)
- 1 * Console Interface
- 1 * USB Interface
- Slot 1 for Analog/ GSM/ PRI/ BRI/ WCDMA Module Cards

Slot 2 for Analog/ GSM/ WCDMA Module Cards Only

U50 LED Indication

Indication	Function	Status			Explaination
PWR	Power Status	On			Power On
PVVR	Power Status	Off			Power Off
SYS	Sustam Status	Blink			System Works
515	System Status	Off			System Fails
ЕТН	Data Statua	Blink			Data Transport
	Data Status	Off			No Data Transport
USB	U-disk or	Off			Module not running
058	UMTS(3G) Status	On			Module Works
				Green	Channel Loading Success
		FXS		Blink	Channel Ringing
				Off	Channel Loading Failure
		FXO		Red	Channel Loading Success
				Blink	Channel Ringing
				Off	Channel Loading Failure
				Red	Channel Loading Success
	GS	GSM		Blink	Channel Ringing
1-4(SLOT1 /2)	SLOT 1/2 Status			Off	Channel Loading Failure
/2)		E1/T1	L1	Red	Module Loading Success
		(PRI/R2)		Off	Module Loading Failure
		(Only	L2	Red	CPE signal
		for Slot 1)		Green	NET signal
				Off	No signal
			L3	Red	SS7 signal
				Green	MFCR2 signal
				Off	No signal



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	L4	Red	Disconnected/ Alarm
		Green	Connected/ No Alarm
BRI		Red	TE Mode
(Only for		Green	NT Mode
Slot 1)		Off	Module Loading Failure

2.4.3 CooVox-U60



- 1 * Power Interface
- 1 * Power Switch
- 2 * Ethernet Interfaces (10/100/1000Mbps)
- 1 * VGA Interface
- 2 * Audio Interfaces
- 2 * USB Interfaces

- 1 * Hardware Echo Cancellation Interfaces (onboard)
- 1 * UMTS Interface for 3G Data (onboard)
- 24 * Analog Ports (FXO/FXS)

U60 LED Indication

Indication	Function	Stat	us	Explanation	
PWR	WR Power Status On		Power On		
FVVR	Fower Status	Off		Power Off	
SYS	Svotom Status	Blink		System Works	
SYS System Status		Off		System Fails	
ETH	Blink			Data Transport	
	Data Status	Off		No Data Transport	
		FXS	Green	Channel Loading Success	
1-24 SLOTS	SLOT 1-24 Status	FA3	Off	Channel Loading Failure	
		FXO	Red	Channel Loading Success	
		FAU	Off	Channel Loading Failure	

2.4.4 CooVox-U100



CooVox-U100 Front Panel



CooVox-U100 Rear Panel

- 1 * Reset Button
- 1 * Power Interface
- 1 * Power Switch
- 2 * Ethernet Interfaces (10/100 Mbps)
- 1 * VGA Interface
- 2 * USB Interfaces
- 2 * Audio Interfaces
- SLOT 1 for any Module Cards (4FXO/ 4FXS/ 2FXOS/ 4GSM/ 2GSM/ 1PRI)

SLOT 2 for any Module Cards (4FXO/ 4FXS/ 2FXOS/ 4GSM/ 2GSM/ 1PRI/ 4BRI)

U100 LED Indication

Indicat	ion	Functio	on		Statu	S		Expla	anation							
PWR		Power Statu	10	On				Power On								
PVVR		Power Statt	15	Off				Power Off								
		Blink					System Works									
SYS	YS System Sta		Off		System Fails		System Fails	3								
ETH Data Status			Blink				Data Transp	ort								
			Off				No Data Trai									
						Gree	n	Channel Loa	ading Success							
				FXS		Blink		Channel Rin	ging							
						Off		Channel Loa	ding Failure							
						Red		Channel Loa	ading Success							
				FXO		Blink		Channel Rin								
						Off		Channel Loa	ading Failure							
						Red		Channel Loa	ading Success							
				GSM		Blink		Channel Rin	ging							
						Off Channel Loa		Channel Loa	ading Failure							
				E1/T1	1 L1	Red		Module Load	ding Success							
4.4/01.07	4 (0)									Off		Module Load	ding Failure			
1-4(SLOT	1/2)	SLOT 1 /2 S	status	tatus		Red	d CPE signal									
						Green NET signal		NET signal								
						Off	Off No signal									
					L3	Red		SS7 signal								
						Gree	n	MFCR2 sign	al							
														Off		No signal
					L4	Red		Disconnected/Alarm								
						Green		Connected/ No Alarm								
				BRI		Red		TE Mode								
				(Only	for	Gree	n	NT Mode								
				Slot 2	<u>)</u>	Off		Module Loading Failure								
	Item	S	CooVo	x-U20	CooVo	x-U50	9	CooVox-U60	CooVox-U100							
System	Conc	urrent Calls	10		20		80		80							
Capacity	Exter	nsion Users	30		100		20	0	500							
-	Voice	mail	21,000	mins	21,000	mins	20	0,000 mins	2,500,000 mins							
	and		(.gsm)		(.gsm)			jsm)	(.gsm)							
Recording		rding	3000	mins	3000	mins	-	,000	270,000 mins							
		-	(.wav)		(.wav)		mii		(.wav)							
			. ,		. ,			.wav)								
Hardware	SDR	۹M	128MB		256MB			B DDR3	2GB DDR3							
								-	-							
Capacity			DDR2		DDR2	1										

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					or 32GB SSD
Power	Input	DC 12V/1A	DC 12V/2A	AC 100-240V	AC 100-240V
Supply					

2.4.6 Environmental Requirements

- 1. Working Tempreture: 0 °C ~40 °C
- 2. Storage Tempreture: -20 °C ~ 55 °C
- 3. Humidity: 5~95% Non-Condensing

2.4.7 Packing List

CooVox Host	1 set
Power Supply	1 piece
Ethernet Cable	1 piece
Quick Installation Guide	1 piece
Warranty Card	1 piece

Notice:

1) ZYCOO Module cards will only function in CooVox IP PBX from ZYCOO;

2) Module cards for CooVox-U50/U100 will be packed separately but contained in the same package.

Chapter 3 Getting Started

(Take CooVox-U100 as example for the guide)

3.1 Before Configuration

What kind of IP Phones can be used with this device?

- 1. FXS Interface: Analog Phone or fax machine
- 2. SIP Extension: CooFone Series and ZP Series IP Phones provided by ZYCOO

(D30/ D30P/ D60/ ZP302/ ZP502/ ZP502P/)

Any standard SIP Phone based on SIP/ IAX2 protocol (eg: CISCO, Grandstream, Yealink, Polycom, Snom, Akuvox, Escene, Favil, HTek etc.)

3.2 Before Making a Call

3.2.1 Login IP PBX

Getting IP Address

There are three ways to set the IP address: Static, DHCP, PPPoE. Default IP: <u>192.168.1.100:9999</u> Notice: you have to add port number 9999 after this IP address.

Defaults and Function Key

1.	Web Panel User name:	admin
2.	Web Panel Password:	admin
3.	*60	Enter Voicemail Box
4.	900/901/902	Default three conference room numbers
5.	#	Blind Transfer
6.	*2	Attended Transfer
7.	*	Disconnect Call

Administrator Login

After connecting the CooVox IP PBX to the local area network and setting your laptop to the 192.168.1.x subnet, launch the web browser and bring up the system login page by entering the following URL: <u>http://192.168.1.100:9999</u>. You will see the login interface as below:

China Add. Chengdu, China. Tel. +86 2885337096	UAE Add. Dubai , UAE. Tel. +971 43552755	UK Add. Doncaster, UK. Tel. +44(0)1302773162
ZYCOD Zycoo Co., Ltd.		E-mail. zycoo@zycoo.com

WE FOCUS, WE DELIVER	IP PHON	IE SYSTEI	М
Userna	me:		2
Passwo	ord:		
Langua	ige: English	~	
		Login	

Input username and password, press the "Login" button and you will see the configuration interface below.

Default username: admin and password: admin

1. Please use IE(7.0 or higher version), Chrome, Firefox web browser.

2. If you do not see the interface above after inputting default IP and port number, please check whether your computer IP address is in the same segment with your IP PBX.

3. For Security reasons, please modify the username and password after login successfully. You can modify these by selecting: [System] --- [Management]

4. With the default setting, if there is no activity on the page for more than one minute, the system will timeout and automatically log out. To continue making configuration changes, you will need to login again.

ZYCOD			
WE FOCUS.WE DELIVER			Logout
Home	Home 🌣		Move the mouse over a field to see tooltips
Operator		System Info	
Basic	Network		
nbound Control	WAN	IP: 192.168.1.62 MAC: 00:60:23:11:23:22	
dvanced	LAN	IP: 192.168.11.12 MAC: 10:60:23:11:23:22	
letwork Settings	Storage Disk	Total: 417G Used: 6.8G	
ecurity	Slot Info	Total. 4170 Osed. 0.80	
Report			
System	SLOT 1	SLOT 2 1 2 3 4	
	E1	FXO FXO FXS FXS	
		Device Info	
	Model No.: CooVox-U1	LOO System Version: 1.1.1	
	Current Time: 07/01/2015 14:34	Run Time: 20:40	
	Current Time: 07/01/2015 14:34	Run Time: 20:40	

- 1 Network WAN IP and MAC will be displayed
- 2. Storage Total storage and used storage will be displayed

China	UAE	UK
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ZYCOD Zycoo Co., Ltd.		E-mail. zycoo@zycoo.com

- 3. Channels Channel information will be displayed based on the modules installed
- 4. Device Info Model No. And system version will be displayed

Commonly Used Buttons

On the home page, besides system info, there are other function buttons as below:

- 1. Logout Logout the Web panel
- 2. Activate Changes Activate the changes for your current configuration

System Menu

System Menu includes the following sub menu:

Home	Display device information
Operator	Extension / Trunk / Channel Status
Basic	Basic configuration on extension, trunks, etc.
Inbound Control	Configuration of Inbound Route, IVR and Black List, etc.
Advanced	Configuration of extension's default information, Conference Call, Call
	Transfer, Function Key, etc.
Network Settings	Configuration of Routing, Network, VPN, DHCP and other related
	network parameters
Security	Configuration of Firewall, SSH, FTP
Report	Record List, Call Logs and System Logs
System	Time Settings, Management, Back Up and Upgrade, etc.

3.2.2 Basic Configuration

Extension Configuration

CooVox Supports SIP/ IAX2 and analog extensions as well as the ability to "Batch Add Users" by uploading extensions file.

Click 【Basic】-> 【Extensions】 to configure:



UK

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WE FOCUS.WE DELIVER								Logou
• Home	Extensions							Move the mouse over a field to see tooltips
Operator				Upload/	Download Ex	tensions		
Basic								
 Extensions 	Extension:	Search	Sh	ow All				
• Trunks								
 Outbound Routes 	New User	Batch Add Use	rs	D	elete Selecte	ed Users		
Inbound Control	Extensions							
Advanced	🗆 Name	Extension	Port	Protocol	DialPlan	Outbound CID	Options	
Network Settings	1 800	800		SIP	DialPlan1		Edit	
Security	2 801	801		SIP	DialPlan1		Edit	
	3 802	802		SIP	DialPlan1		Edit	
Report	4 803	803		SIP	DialPlan1		Edit	
System	5 804	804		SIP	DialPlan1		Edit	
	6 805	805		SIP	DialPlan1		Edit	
	7 806	806		SIP	DialPlan1		Edit	
	8 807	807		SIP	DialPlan1		Edit	
	9 808	808		SIP	DialPlan1		Edit	
	10 809	809		SIP	DialPlan1		Edit	
	11 810	810		SIP	DialPlan1		Edit	
	☐ 12 811	811	32	SIP	DialPlan1		Edit	
	13 812	812	33	SIP	DialPlan1		Edit	
	☐ 14 813	813	34	SIP	DialPlan1		Edit	

Click [New User] to see the extension configuration interface as below:

		New		Х		
General				_		
SIP:	v	IAX2:				
Name:	815	Extension:	815	_		
Password:	QpZQQHU!X%	Outbound CID:		_		
DialPlan:	DialPlan1 🔹	Analog Phone:	None 🔻			
Voicemail				_		
Enable:	V	Password:	1234	_		
Delete VMail:		Email(Fax/Voicemail):		_		
Other Option	15			_		
_	-	Call Waiting	:			
Allow Being Spied: Pickup Group: Mobility Extension: Mobility Extension Number:						
VoIP Setting		Extension Number.				
-		Permit IP:				
Video Option						
Video Call:	□ □ Н.26	51 ☐ H.263 ☐ H.263+	□ H.264			
Audio Codece	5					
g722 g726 gsm speex	سال الم ««	aw aw 729				
Disallow		Allowed				
	Sav	e Cancel				

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Extension Settings:

Item	Explanation
SIP/IAX2	Choose extension protocol.
Name	Extension Name (English Character Only), e.g.: Tom.
Extension	Extension Number connected to the phone, e.g.: 888.
Password	Same password as voicemail. (4-16 digits, e.g.:123456)
Outbound CID	Override the caller ID when dialing out with a trunk.
Dial Plan	Please choose the Dial Plan which is defined in the menu "Outbound Routes".
Analog Phone	Please choose the relative FXS port for your analog phone.
Voicemail	Check this option to enable the voicemail account.
VM Password	Set password for Voicemail, for security reasons, do not use the extension number or any easy combination like "1234"
Delete VMail	Check this option to delete voicemail from the PBX after it's sent by email.
Email (FAX/Voicemail)	Extension user's email address to receive email messages with attached fax or voicemail (you need configure the fax to email/voicemail options), e.g.: <u>Tom@gmail.com</u>
Web Manager	Allow this user to login to the Extension Management Panel to manage extension options including voicemail, call recording, call transfer, etc when you select this option.
Agent	Check this option to set this extension user as agent.
Call Waiting	Enable call waiting
Allowing Being Spied	Check this option to allow this extension to be monitored (listened to or "spied").
NAT	Check this option if extension user or the phone is located outside the NAT(Network Address Translation) available gateway.
Pickup Group	Select the Pickup Group which the extension user belongs to.
Mobility Extension	After check this option, you must set mobility extension number. User can make calls to the IP PBX server with this mobility number, and have all rights of this extension, e.g.: Outbound Call, Internal Call, Listen to the voicemail.
Transport	Select the Transport Protocol: UDP, TCP, TLS
SRTP	Enable SRTP (Secure Real-time Transport Protocol)
DTMF Mode	Default DTMF is rfc2833. It can be changed if necessary
Video Call	Check to enable video calling for this extension. And select the video codecs you need to use.
Permit IP	Set device ip address or subnet permitted to register this extension with the IP PBX, e.g.:192.168.1.77 or 192.168.10.0/255.255.255.0. Devices with other IP addresses are not allowed to register this extension with the IP PBX.

1. There are 10 default extensions which number started with "8"*; you can add or delete extension by your requirement.

2. Maximum extensions: 500

Upload/Download Extensions

Click [Upload/Download Extensions] to batch add extensions as below:

Upload/Download Extensions

	Extensions	Upload/Download Extensions		
Upload Extension	ons			
	Please choose file to	upload: Choose file No file chosen		
Upload				
Download Extensions Template				
	Ext	tensions Template		
	Right Click her	e to Save as Template File (.csv)		
	Right Click her	e to Save as Template File (.txt)		

Download Extensions

Download the extension template from the [Download Extensions Template],

open the template using an editor or application like Microsoft Excel and carefully add extension information based on the template format and save.

Select the extension file to upload from [Upload Extensions]

Download current extensions information from [Download Extensions(.csv)]

3.2.3 Time Based Rules

Create a Time Rule. For example, BusinessHours.

Select the starting and ending time, starting and ending days of the week, specific start and end dates and/or start and ending month of the year.

When an inbound call is processed, if the current time of the PBX is within these parameters, then the "if time matches" destination will be used for the call. If the current time of the PBX is outside these parameters, then the "if time does not match" destination will be used for the call.

Please set from this page: [Time Based Rule] --- [New Time Rule] :

New Time Rule	х
Rule Name:	
Time & Date Conditions	
Start Time: 🔹 : 💌 End Time: 💌 : 💌	
Start Day: 🔹 End Day: 💌	
Start Date: End Date: 	
Start Month: End Month:	
Destination	
If time matches:	
If time does not match:	
Save Cancel	

New Time Rule:

Item	Explanation		
Rule Name	Define the name for this Time Rule.		
Time&Date Conditions	Set parameters for Time/Day/ Date/ Month.		
Destination	Select destination if time matches or does not match the		
	conditions set. For example for BusinessHours, "if time matches",		
	select operator extension during BusinessHours. If outside		
	business hours, select "if time does not match" destination of		
	Operator voicemail		

3.3 Outbound Call

3.3.1 Trunks

If you want to set up outbound route connected to PSTN (Public Switch Telephone Network) or VoIP provider, please configure on this page: [Basic] -> [Trunks]

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ZYCOD Zycoo Co., Ltd.		E-mail. zycoo@zycoo.com

VoIP Trunks

	VoIP Tru	nks	FXO/GSM	1 Trunks	E1/	T1 Trunks
List of Tr	runks			New VoIP	Trunk	
Pro	ovider Name	Туре	Hostname/IP	Usernam	ie	Options
	<i>runk</i> defined ck on 'New Vo Frunk	IP Trunl	k' button			

CooVox supports two kinds of trunks for your choice: VoIP or SIP Trunk and FXO/GSM/PRI/BRI Trunk.

How to add each trunk:

1) VoIP Trunks

Click 【VoIP Trunk】-> 【New VoIP Trunk】:

New VoIP Trunk			
Description:			
Protocol:	SIP 🔻		
Peer Mode:			
Host:	.50	060	
Maximum Channels*:	0		
Prefix:			
Outbound CID:			
🗌 Without Authenticat	ion		
Username:			
Authuser:			
Password:			
Advanced Options			
Fromdomain:	Insecure: po	rt,invite	
Fromuser:	Qualify(sec): 🔽	2	
DID Number:	Transport: UI	DP 🔻	
DTMF Mode: RFC283	33 🔻 NAT: 🗌 SR	TP: 🗖	
Auto Fax Detection: 🗌			
Context: Default	 Language: Default 	•	
Audio Codecs			
	722 🗆 G.729 🗖 G.726 🗖 GSM	1 🗌 Speex	
Video Codes	_		
🗆 Н.261 🗖 Н.263 🗖 Н	1.263+ 🗆 H.264		
	Save Cancel		

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VoIP Trunks Reference:

Item	Explanation
Description	Description of SIP trunk.
Protocol	Select protocol for outbound route, SIP or IAX2.
Host	Set host address (provided by VoIP Provider).
Maximum Channels	Set maximum channels for simultaneous call. (Only for outbound call;
	"0" = no limitation).
Prefix	The prefix will be added in front of your dialed number automatically
	when the trunk is in use.
Caller ID	This Caller ID will be displayed when user make outbound call. Note:
	This function must be supported by local provider.
Without	If your trunk is static IP based and does not require a registration
Authentification	string when connecting the CooVox IP PBX, check this option.
Username	Username provided by VoIP Provider.
Password	Password provided by VoIP Provider.
Advanced Options	Advanced options for this trunk, e.g.: codecs, dialplan, etc.

The outbound trunk will be in the list of VoIP Trunk when the trunk is added successfully.

2) FXO/GSM Trunks

Click **[**FXO/GSM Trunk**]** -> **[**New FXO/GSM Trunk**]** :

New FXO/GSM Trunk X			
Description: Lines:	FX0: 32 33		
Prefix:			
	Advanced Options		
Call Method:	Order 👻		
Busy Detection:	Yes Busy Count: 3		
Input Volume:	40% ▼ Output Volume: 40% ▼		
Call Progress:	No ▼ Progress Zone: US ▼		
Busy Pattern:	Language: Default	•	
Answer on Polari	ty Switch: No 🔻		
Hangup on Polar	ity Switch: No 🔻		
Auto Fax Detecti	on: 🗖		
	Save Cancel		

FXO/GSM Trunk Reference:

Item	Explanation
Description	Description for this trunk.

China	UAE	UK
Add. Chengdu, China. Tel. +86 2885337096	Add. Dubai , UAE. Tel. +971 43552755	Add. Doncaster, UK. Tel. +44(0)1302773162
ZYCOD Zycoo Co., Ltd.		E-mail. zycoo@zycoo.com

Lines	Check one or more channels (FXO or GSM) to be included in this
	trunk group
Prefix	The prefix will be added to the dialed number automatically when
	this trunk is in use.
Advanced Options	Advanced Options for this trunk, e.g.: Call Method, Busy Detection,
	etc.

Select one or more of the available channels to be used for this trunk group.

Note: each channel can only be included in one trunk group. If no channels appear then all available channels are already defined.

3) E1 / T1 Trunk

Click [E1/T1Trunk] -> [New E1/T1 Trunk] :

	New E1/T1 Trunk	х
Description: Channels:	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	
Prefix:		
Caller ID:		
Advanced Opt	ions	
Call Method:	Order 👻	
Resetinterval:	3600 Overlapdial:	
Priindication:	Inband - Language: Default -	
Context:	Default 👻	
Switchtypen:	National ISDN type 2 🔻	
Auto Fax Dete	ction: 🗖	
	Save Cancel	

E1/T1 Trunk Reference:

Item	Explanation
Description	Description for this trunk.
Lines	Check one or more channels to be included in this trunk group
Prefix	The prefix will be added to the dialed number automatically when
	this trunk is in use.
Advanced Options	Advanced Options for this trunk, e.g.: Call Method, Busy Detection,
	etc.

4) BRI Trunk

BRI Trunk will be displayed if you have installed BRI Module.

Click 【BRI Trunk】-> 【New BRI Trunk】:

New BRI Trunk	Х
Description: Lines: 1 2 3 4 Prefix: Caller ID: Advanced Options Echo Cancel: Overlapdial: method: Standard V Context: Default V Language: Default V Save Cancel	

BRI Trunk Reference

Item	Explanation
Description	Description for this trunk.
Lines	Check one or more channels to be included in this trunk group
Prefix	The prefix will be added to the dialed number automatically when
	this trunk is in use.
Advanced	Advanced Options for this trunk, e.g.: Echo Cancel, Overlapdial,
Options	Method, Contex, Language.

3.3.2 Outbound Routes

Outbound Routes are used to define which trunk groups are used by a specific extension when placing outbound calls. If you don't allow an extension user to place external calls, please ignore this part.

WE FOCUS WE DELIVER						Logou
• Home	DialPlans					Move the mouse over a field to see tooltips
 Operator 			DialPlans	DialRules		
Basic						
 Extensions 	List of Dia	IPlans		New DialPlan		
• Trunks	Default	DialPlan Nar			Options	
Outbound Routes	✓ 1	DialPlan1	1, Ring Groups, C Intercom, IVR, C	Call Queues, Paging and onferences, Extensions,	d , Edit Delete	
Inbound Control			DISA, Directory,			
Advanced						
Network Settings						
Security						
Report						
System						

Please configure on this page: 【Basic】->【Outbound Routes】

China	
	. Tel. +86 2885337096
Z'CO Z	ycoo Co., Ltd.

You can configure the basic match pattern of outbound routes and create different dial plan on this page. Create as many different dial plans as you need to determine how you need extensions to be allowed to make calls. For example, create "InternalDialPlan" to include all Internal Calling Rules but do not select any outbound dial rules. Select "InternalDialPlan" for all extension users that do not need the ability to make external calls.

Click [DialPlans	->	[New DialPlan]	:
------------------	----	----------------	---

New DialPlan	х
DialPlan Name: DialPlan2	
☐ Include External Calling Rules	 Include Internal Calling Rules Ring Groups Call Queues Paging and Intercom IVR Conferences Extensions DISA Directory Spy
Save	el

You can create one or more DialRules for DialPlans from this page:

China Add. Chengdu, China. Tel. +86 2885337096	UAE Add. Dubai , UAE. Tel. +971 4355275!	UK 5 Add. Doncaster, UK. Tel. +44(0)1302773162
ZYCOO Co., Ltd.		E-mail. zycoo@zycoo.com
	New DialRule	×
Rule Name:		
PIN Set: [
Call Duration Limit: _ Time Rule: [
Place this call through:		
t(E1/T1)	»»	
	-	
	-	
	**	
Available Tr	unks Selecte	d Trunks
Custom Pattern:		
N X	Any digit from 1 to 9 Any digit from 2 to 9 Any digit from 0 to 9 Any number of additiona	al digits
Delete digits prefix fro dialing		_
	Save Cancel	

Reference:

Item	Explanation
Rule Name	Define the name for the dial rule.
Pin Set	Input this Pin when you use this dial rule.
Call Duration Limit	Set the duration limit for a call, beyond which the call will be auto
	hung up
Time Rule	Set the time interval for this DialRule, beyond which the call based
	on this DialRule won't work
Place this call	Select one of the trunk groups that have been set up to use for this
through	dial rule
Custom Pattern	N any digit from 2 to 9
	Z any digit from 1 to 9
	X any digit from 0 to 9
	. One or more digits
Delete[]digits prefix	How many digits will be deleted from what the user dialed to what is
	actually sent over the trunk. For example, user dialed
	94166445775 and you selected to delete 1 digit, then 4166445775 is
	sent out the trunk.
Auto-add digit[]	If add digit "9", when dial 12345, 912345 will be sent.



3.4 Inbound Call

3.4.1 Inbound Routes

Click [Inbound Control] -> [Inbound Routes]

750				
WE FOCUS.WE DELIVER				
• Home	General			
Operator	General	Port DIDs	Number DIDs	DOD Settings
Basic				
Inbound Control	From FXO/GSM Ch	annels		
• Inbound Routes				
• IVR	Distinctive Ring	Tone:		
• IVR Prompts	Destination:	Goto IVR	 working time 	-
Call Queues				
Ring Groups				
Black List	From VoIP Channel	5		
• Do Not Disturb				
• Time Based Rules	Distinctive Ring			
Advanced	Destination:	Goto IVR	 working time 	•
Network Settings				
Security		Sav	/e Cancel	
Report				
System				

General

Distinctive Ring Tone: mapping the custom ring tone file, e.g.: Set distinctive ring tone as "External", the phone will play this ring tone when receiving the call.

Note: The phone must support such feature as well.

Select all calls coming in on a specific port (FXO/GSM/VOIP) and select which destination (Extension User, IVR, Queue, Conference Bridge, IVR, etc) should answer those calls. Setting the label will assign this label to be displayed.

Port DIDs

To have incoming calls from a PSTN trunk port (FXO/GSM trunk) answered by a specific extension user, call queue, conference bridge, or IVR, please configure here: Click [Port DIDs] -> [New Port DIDs] :

	gdu, China. Tel. +86 28.			UK Add. Doncaster, UK. Tel. +44(0)1302773162 E-mail. zycoo@zycoo.com	
Port DID)s				
	General		Number DIDs	DOD Settings	
List of	Port DIDs		New Port DID		
		N	ew Port DID	х	
	Port: Destina	tion: Goto Exter			
		S	ave Cancel		

Number DIDs

If you want to select the destination of inbound calls on PRI/BRI or VoIP Trunks based on the incoming DNIS (dialed number or DID). You can specify the DID and destination (user extension, queue, conference bridge, or IVR:

Click [Number DID] -> [New Number DID] :

	New Number DID	x
DID Number: Destination:	Label: Goto Extension	•
	Save Cancel	

DID Number	Set DID Number
Destination	Select the extension for access directly(Extension User/
	Call Queue/ conference/ IVR)

DOD Settings

To configure outbound calls from user extensions to answer with specified destinations (user extension, queue, conference bridge, IVR), please click 【DOD Settings】-> 【New DOD】

China Add. Chengdu, China.		UAE Add. Dubai , UAE. Tel. +971 435527	UK 55 Add. Doncaster, UK. Tel. +44(0)1302773	3162
Z'CO Zy	coo Co., Ltd.		E-mail. zycoo@zycoo.	com
		New DOD	×	
DOD Numb Destination		tension - 800(800) Save Cancel	▼	
DOD Number Destination	the Caller ID.	(direct outbound dial) nur	nber, and use it to match	
Desination		on, queue, conference bri		

3.4.2 IVR

IVR (Interactive Voice Response) or Automated Attendant will allow callers to select from a specific
set of options by pressing the selected digit on their telephone dial pad.
Click [Inbound Control] -> [IVR]:

• Home	IVR						Move the mouse over a field to see tooltips
 Operator 	List	of IVRs		New IVR			
Basic		Extension	Name	Dial other Extensio	ns Op	otions	
Inbound Control	1	610	working time	Yes	Edit	Delete	
• Inbound Routes	2	611	closed time	No	Edit	Delete	
• IVR							
• IVR Prompts							
Call Queues							
Ring Groups							
 Black List 							
• Do Not Disturb							
• Time Based Rules							
Advanced							
Network Settings							
Security							

Click [New IVR] to create a new IVR:

China	UAE	
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ZYCOD Zycoo Co., Ltd.		

	New IVR				
IVR 5	Settings				
Nan	ne:		Extens	sion: 612	
Weld	ome Message				
Pleas	se Select:		•	Custom Promp	ots
Repe	at Loops: 1	•			
Time	out: 0				
Dial d	other Extension	is: 🗆		(<u>Custom</u>)	
Кеур	ress Events				
Key	Action				
0	Disabled	•			-
1	Disabled	-			
2	Disabled	-			
3	Disabled	-			
4	Disabled	-			
5	Disabled	-			
6	Disabled	-			
7	Disabled	-			
8	Disabled	-			
9	Disabled	-			
*	Disabled	•			
#	Disabled	•			-
		Save	Cancel		

Reference:

Item	Explanation		
Name	Enter a descriptive name for the IVR		
Extension	Enter a unique extension or IVR number. This number is used to		
	access the IVR from an internal extension		
Custom	Click "Custom" to choose a DialPlan for IVR		
Please Select	Select the IVR prompt that will provide the caller with instructions		
	what options are available. To configure the prompt in this page:		
	【IVR Prompt】		
Repeat Loops	Loop times to repeat playing the IVR prompt if the caller does not		
	select an option		
Dial Other Extension	Allow user to dial other extensions besides of the listed options		
Keypress Event	Select the available options beside the designated digit		


3.4.3 IVR Prompts

IVR prompts can be recorded by using any extension registered to the PBX or they can be uploaded from the "Upload IVR Prompt" section below.

IVR Prompts

【IVR Prompts】

ZYCOD							
WE FOCUS, WE DELIVER							
• Home	IVR F	Prom	pts 🌵				
Operator			IVR Prompts	Upload IVR Pro	mpts		
Basic							
Inbound Control	List	of P	rompts 🌣	New Voice	Delete S	Selected	
 Inbound Routes 			Name			Options	
• IVR		1	closed.gsm	Record Again	Play	Delete	8
• IVR Prompts		2	welcome.gsm	Record Again	n Play	Delete	M
Call Queues							_
Ring Groups							
Black List							
• Do Not Disturb							
• Time Based Rules							
Advanced							
Network Settings							
Security							
Report							
System							

Click [IVR Prompts] ---- [New Voice] to create new IVR prompt:

New Voice	х
File Name:	-

File Name	Define a	a name for this voice file.
Format	Select th	ne voice format, GSM/WAV(16bit) supported only.
Extension used for rece	ording:	Select the extension which is used for recording the
		IVR prompt.

Click [Record], the extension will ring, and the prompt can be recorded after picking up the phone.

To hear the existing recording, please click [Play]:



Select the extension, click [Play], the selected extension will ring, and you will hear the recorded prompt after picking up the phone.

Upload IVR prompt

【Upload IVR prompt】

Upload IVR Prompts				
	IVR Prompts	Upload IVR Prompts		
	Upload	IVR Prompts		
Note: The sound file must be wav(16bit/8000Hz/Mono), gsm, ulaw or alaw! The size is limited in 15MB!				
Please choose file to upload: Choose file No file chosen				
Upload				



CooVox supports custom audio file with wav, gsm, ulaw, alaw format. Recordings must be smaller than 15MB.

3.4.4 Ring Groups

A Ring Group (sometimes called a Hunt Group) is a way to ring a collection of extensions by dialing a single extension number. The methodology used to ring that collection of extensions is called the ring strategy. Once the timeout (number of seconds) is reached, the call will then be directed to the "if not answered" or failover destination.

To configure a Ring Group Click [Inbound Control] -> [Ring Groups] -> [New Ring Group] :

37

China Add. Chengdu, China. Tel. +86 2885: ZCOD Zycoo Co.,		Tel. +971 43552755		Tel. +44(0)1302773162 mail. zycoo@zycoo.com	
	New Ring Group		х		
Name:	Strategy: RingAll	▼ 800(SIP) 800 801(SIP) 801 802(SIP) 802 803(SIP) 803 804(SIP) 804 805(SIP) 805 806(SIP) 806 807(SIP) 807	- III		
Ring Group Memb		Available Cha	nnels		
	Label: for this ring group: <u>6</u> or lasting time(sec): <u>2</u> Save Cancel	0			
Name Strategy	Define a name for t Select "Ring All" or	• •			
Ring Group Members	Select the Ring Gro	up Member from "	the Available	Channels", click	← to
If not answered	You can choose to ring group, IVR or I		-	picemail	

3.4.5 Blacklist

The Blacklist feature allows the blocking of specific phone numbers by Caller ID. Click [Inbound Control] -> [Blacklist] -> [New Blacklist]

New Blacklist			х
Blacklist	Number	:	
	Save	Cancel	

Input the caller ID in the space provided. Once configured, future calls from this caller ID will be blocked.

To maintain this list of blocked numbers, see the instructions in the following diagram:

China	UAE	UK
Add. Chengdu, China. Tel. +86 2885337096	Add. Dubai , UAE. Tel. +971 43552755	Add. Doncaster, UK. Tel. +44(0)1302773162
ZCO Zycoo Co., Ltd.		E-mail. zycoo@zycoo.com



Reference:

Item	Explanation	
*75	When the registered extension user inputs *75 + blacklist number,	
	this number will be added in the list of Blacklist Number.	
*075	When the registered extension user inputs *075+blacklist number,	
	this number will be deleted in the list of Blacklist Number.	

3.4.6 Do Not Disturb

The administrator can configure DND for extensions on this page:

Click [Inbound Control] -> [Do Not Disturb] :

Do Not Disturb		
Do Not Disturb	New DND Delete Select	ted
DND		Options
1 500	New DND X	Delete
	Extension: 503503 🗸	
	Save Cancel	

3.4.7 Call Pickup

This feature allows users to answer a call that is ringing on another users extension by pressing the selected feature code on their own phone as shown in the diagram below.



Reference:

Item	Explanation
*8	Input function key *8 to pick up the registered extension which is in the
	ring at random. This can be defined in 【Feature Codes】
**	Input function key ** and define another extension to pick up. This can
	be defined in 【Feature Codes】.

3.5 During a Call

3.5.1 Call Parking

This feature allows a call to be placed on hold (system will play the parked number, e.g. 701) and then retrieved from any other extension by entering the parked number. After answering the call, to park the call press *2 700 on the telephone dialpad (to transfer the call to the parking lot 700). This will park the call and the system will play the parking space (e.g. 701). To retrieve the call from the parking lot, anyone can pick up any registered extension and dial the parking space number (e.g. 701) and will be connected with the parked caller. Refer to the diagram below:



Reference:

Item	Explanation
Extension to Dial for	Default Number: 700, Define in 【Feature Codes】
Parking Calls:	
What Parking space	Default Number : 701 - 720. Define in [Feature Codes]
or Extension to park	
calls on	

China Add. Chengdu, China. Tel. +86 2885		
ZCO Zycoo Co.,	Ltd.	E-mail. zycoo@zycoo.com
How many seconds a call can be parked for	Default is 45 seconds. Define in	【Feature Codes】.

3.5.2 Call Transfer

This feature allows an incoming call that is answered on one extension to be sent to another user's extension. Refer to the diagram as below:



Reference:

Item	Explanation
Blind Transfer	Default is #. Define in 【Feature Codes】
Attended Transfer	Default is *2. Define in [Feature Codes]
Complete Attended	Default is *, it can be used when you use *2. Define in 【Feature
Transfer	Code】
Timeout for answer on	Default is 15 seconds. Define in [Feature Codes]
attended transfer	

3.6 User Extension Settings

3.6.1 Follow Me Settings

This feature allows a call to an extension to be automatically forward to one or more internal extensions or external phone numbers. To allow the user to configure these settings, first the user must be allowed access to the User Web Portal. To do this, select the "Web Manager" box under "Other Options".

Click [Basic] -> [Extension] -> [Edit] the extension you want to configure.

ZYCOD Zycoo Co., Ltd. Edit General SIP: IAX2: Name: 800 Extension	E-mai	I. zycoo@zycoo.com		
General SIP: V IAX2:		×		
SIP: IAX2:				
Name: 800 Extension				
	n: <u>800</u>			
Password: 123456 Outbound	d CID:			
DialPlan: DialPlan1 - Analog Pl	hone: None 🔻			
Voicemail				
Enable: 🔽 Password	d: <u>1234</u>			
Delete VMail: 🗌 Email(Fax	x/Voicemail):			
Other Options				
Web Manager: 🔽 Agent: 🔲 Call Waiting: 🔽				
Allow Being Spied: Pickup Group:				
Mobility Extension: Mobility Extension	Number:			
VoIP Settings NAT: Transport: UDP SRTP:				
DTMF Mode: RFC2833 Permit IP Video Options	·			
	3 ☐ H.263+ ☐ H.264			
Audio Codecs	5 11.2054 11.204			
g722 → alaw g726 ← wulaw gsm ~ g729 Disallowed Save Cance	cel			

Check [Web Manager] and [Save]

Then login the Extension Web Panel:

3.6.2 Call Recording

This feature allows users to access calls they have recorded. To configure this setting, please see the diagram below.

	. Tel. +86 2885337096 ycoo Co., Ltd.	UAE Add. Dubai	, UAE. Tel. +971 43552755	UK Add. Doncas	ter, UK. Tel. +44(0)1302773162 E-mail. zycoo@zycoo.com
WE FOCUS.WE DELIVER					Logout
 Record List Voicemail List 	Call Recording	ll Recording	One Touch Recording		Move the mouse over a field to see tooltips
 Call Forward Follow Me Settings 	Start Date: Apr V 8	♥ 2013 ♥	End Date: Apr 🗸 8 🗸 20	013 V Filter	
 Send Fax 		Destination ID	Date	Options	

3.6.3 Call Forward

This feature allows calls to an extension to be automatically forwarded to a specific internal extensions or external phone number. To configure this setting, please see below:

Click [Call Forward] :

Forward Settings	
	Always Busy No Answer
	Save Cancel

Reference

	Item	Explanation
	Always	All incoming calls will be forwarded.
Status	Busy	Forward when extension is busy.
	No Answer	Forward when no answer from extension.

3.6.4 Voicemail

Calls that are not answered have the option to be sent to a voicemail account so the caller can leave a recorded message. Optionally, these recorded messages may be sent to a user's email account. Click [Basic] -> [Extension] -> [Edit] the extension you want to configure.

China Add. Chengdu, China.	Tel. +86 2885337096 Ad	AE Id. Dubai , UAE. Tel. +971 43552755	UK Add. Doncaster, UK. Tel E-mai	l. +44(0)1302773162 il. zycoo@zycoo.com
		Edit		х
General				
SIP:	\checkmark	IAX2:		
Name:	800	Extension:	800	
Password:	123456	Outbound CID:		
DialPlan:	DialPlan1 -	Analog Phone:	None 🔻	
Voicemail				
Enable:	v	Password:	1234	
Delete VMail	: 🗖	Email(Fax/Voicema	il):	
Other Optio	ns			
Web Manage	-	Call Waiti	ng: 🔽	
-	Spied: 🗌 Pickup	Group: <u>1</u> y Extension Number:		
VoIP Setting		y Extension Number.		
NAT:	_	ort: UDP 🔻	SRTP:	
DTMF Mode:	RFC2833 -	Permit IP:		
Video Optio	ns			
Video Call:	🗆 🗖 Н.2	261 🔲 H.263 🔲 H.26	3+ 🔲 H.264	
Audio Codeo	cs			
g722 g726		alaw ulaw		
gsm	<u> </u>	g729		
speex Disallov	wed	Allowed		
	Sa	Cancel		

Please enable [Voicemail] before configuration, and configure [VM Password] and [Email]. If incoming calls are not answered, when the default ring time is over, the system will play: "please leave your message and press the "#"key". Then voicemail will be sent to the specified mailbox by email.





To Listen to the message using the users desk phone

China Add. Chengdu, China. Tel. +8		UAE Add. Dubai , UAE.	Tel. +971 43552755		UK Add. Doncas		el. +44(0)13027731	
ZYCO Zycoo	Co., Ltd.					E-m	ail. zycoo@zycoo.co	om
When there is v	oicemail in	extension						
(* 6 0) ▶	(Enter exten	sion number and	l password)	•	رب (ایک	•		
Enter Voicemail box Number *60		ion number and box for this exter		listen	to the me	ssage	hang up	

1. Proper Email address is necessary to receive voicemail via email.

2. You must configure the SMTP and Email template. For detail settings, please see the detail configuration guide [Voicemail] in Chapter 3.

3.7 Call Center (Call Queues)

Create Agent

To allow a user to be considered an agent in a Call Center queue, please check the "Agent" option for that specific user extension.

Click [Basic] -> [Extension] -> [Edit] the extension you want to configure:

Step1: Check [Agent] and [Save]

China Add. Chengdu, China.	UA Tel. +86 2885337096 Add	E I. Dubai , UAE. Tel. +971 43552755	UK Add. Doncaster, UK. Tel. +44(0)1302773162		
ZYCO Zyc	coo Co., Ltd.		E-mail. zycoo@zycoo.com		
		Edit	x		
General					
SIP:	\checkmark	IAX2:			
Name:	800	Extension:	800		
Password:	123456	Outbound CID:			
DialPlan:	DialPlan1 🔹	Analog Phone:	None 🔻		
Voicemail					
Enable:	v	Password:	1234		
Delete VMail	: 🗖	Email(Fax/Voicemail):			
Other Optio	ns	1			
Web Manager: 🔽 Agent: 🔽 Call Waiting: 🔽					
Allow Being Spied: Pickup Group: 1					
Mobility Extension: Mobility Extension Number:					
VoIP Settings NAT: Transport: UDP SRTP: Image: SRTP: Image: SRTP:					
		Permit IP:			
Video Optio					
Video Call: H.261 H.263 H.263+ H.264					
Audio Codecs					
g722 g726 gsm ← speex ▲ Disallowed Allowed Save Cancel					

Step2: Click [Inbound Control] -> [Call Queues]

eues 2 Call Queues 3 Label: ers defined as agents! anage users.
Label: ers defined as agents!
ers defined as agents!
ers defined as agents!
nnouncements:
aller Position Announcements requency(sec): 30

Item	Explanation
Queue Number	Define an extension number to identify the queue.
Label	Define the label for the queue.
Ring Strategy	RingAllRing all available agents until one answers(default)
	RoundRobin - Starting with the first agent, ring the extension of each
	agent in turn until the call is answered.
	LeastRecent - ring the extension of the Agent who has least recently
	received a call
	FewestCalls – ring the extension of the Agent who has taken the fewest
	number of calls.
	Random – ring the extension of a random Agent.
	RRmemory RoundRobin with Memory, like RoundRobin above,
	except instead of the next call starting with the first agent, the system
	remembers which extension was was called last and begins the round
	robin with the next agent .
Agent	Check each agent that is to be a member of this specific Call Center
	Queue.

Rofe

China		
	hina. Tel. +86 2885337096	
ZCO	Zycoo Co., Ltd.	

UK Add. Doncaster, UK. Tel. +44(0)1302773162 E-mail. zycoo@zycoo.com

Queue Options:	Announcements:
Agent TimeOut(sec): <u>15</u> Auto Pause Wrap-Up-Time(sec): <u>10</u> Max Wait Time(sec): Max Callers: <u>8</u> Join Empty Leave When Empty Auto Fill Report Hold Time	Caller Position Announcements Frequency(sec): 30 Announce Hold Time: yes ▼ Periodic Announcements Repeat Frequency(sec): 0 Announcements Prompt: If not answered Destination: Hangup ▼

Reference:

Item	Explanation
Agent	Specify the number of seconds to rin an agent's extension before
TimeOut(sec)	sending the call to the next Agent (based on Ring Strategy).
Auto Pause	If an Agent's extension rings and the Agent fails to answer the call,
	automatically pause that agent so the stop receiving calls from the
	queue.
Wrap-Up-Time(sec)	This is the amount of time in seconds that an agent has to complete work
	on a call after the call is disconnected.
	(Default is 0, which means no wrap-up time.)
Max Wait Time(sec)	Calls that have been waiting in the queue for this number of seconds will
	be sent to the ""If not answered" destination.
Max Callers	Max number of the callers who are allowed to wait in the queue. (Default
	is 0, which means no limitation.). With this number of callers in the queue
	already, subsequent callers will be sent to the ""If not answered"
	destination.
Join Empty	Allow callers to enter the Queue when no Agents are available. If this
	option is not defined, callers will not be able to enter Queues with no
	available agents - callers will be sent to the "If not answered" destination.
Leave When Empty	If this option is selected and calls are still in the queue when the last
	agent logs out, the remaining callers in the Queue will be transferred to "If
	not answered" destination. This option cannot be used with Join Empty
	simultaneously.
Auto Fill	Callers will be distributed to Agent automatically.
Report Hold Time	Report the hold time of the next caller for Agent when the Agent is
	answering the call.
Frequency(sec)	Repeat frequency to announce the hold time for callers in the Queue.("0"
	means no announcement).
Announce Hold	Announce the hold time. Announce (yes), do not announce (no) or
Time	announce once (once), it will not be announced when the hold time is
	less than 1 minute.
Repeat	Interval time to play the voice menu for callers.("0" mean not to play).
Frequency(sec)	
Announcement	Select a prompt as the Announcements Prompt from the IVR Prompts.
Prompt	

3.8 Conference Bridge

A conference bridge is a virtual meeting room that allows multiple callers to hear and speak to each other. The conference bridge can be protected with a password so only callers with the password can access the conference. The software supports up to three conference rooms. To configure a conference bridge, go to 【Advanced】->【Conference】:

Conferer	nces	1				
Confere	ence	5		New Conference		
Default		Extension	Guest Password	Administrator Passwor	d (Options
V	1	900	1234	2345	Edit	Delete
	2	901	1234	2345	Edit	Delete
	3	902	1234	2345	Edit	Delete

Click [New Conference] to create a new Conference:

New						
Conference Number						
Room E	tension:	9	903			
Conference Password						
	assword: trator Passwor	d:				
Conference Options						
Conference DialPlan	Internal 🔻					
	Play hold musi	ic for fir	st caller			
\checkmark	Enable caller r	nenu				
	Announce calle	ers				
	Record conference	ence				
	Quiet Mode					
	Close the conf	ference	when la	st administrator exits		
	Leader Wait					
	Save	Cance	el			

Reference:

Item	Explanation								
Conference Number	The	number	that	internal	callers	use	to	access	the
	conference room, the default number is "900".								

China Add. Chengdu, China. Tel. +86 2885337096 ZYCOD Zycoo Co., Ltd. **UAE** Add. Dubai , UAE. Tel. +971 43552755 UK Add. Doncaster, UK. Tel. +44(0)1302773162 E-mail. zycoo@zycoo.com

Conference Password	Password for users to access the conference, e.g.:"1234".			
Administrator Password	Password for administrator to access the conference.			
Conference DialPlan	Use this dialplan to invite other participants.			
Play hold music for the first	Check this option to play the hold music for the first			
participant	participant in the conference until another participant enters			
	in this conference.			
Enable caller menu	Check this option to allow the participant to access the			
	Conference Bridge menu by pressing "*" on the dialpad.			
Announce callers	Check this option to announce to all Bridge participants that			
	new participant is joining the conference.			
Record conference	Recorded conference format is WAV.			
Quiet Mode	If check this option, all the participants in the conference can			
	hear only, but it is not allowed to speak.			
Close the conference when	If check this option, the conference will be closed when the			
last administrator exits	last administrator exits			
Leader Wait	Wait until the conference leader(administrator) entering the			
	conference before starting the conference.			

To join a conference, refer to the diagram as below:



While in a conference, the administrator can invite new guest (extension user or external number) into the conference. (Default password for admin is 2345)

As an administrator, to invite a new guest to the conference, refer to the diagram as below:





Chapter 4 Advanced

4.1 Options

General

Default settings for local extension and new extension.

Click [Advanced] -> [Options] -> [General] :

neral			
General	Global Analog Se	ttings	Global SIP Settings
cal Extension Settir	igs		
Glob Ena Ena Ena Auto	rator Extension: <pre><nor <="" ble="" oal="" pre="" ring="" set(sec):="" time="" transfer:=""> ble Attended Transfer ble Music On Ringback: o-Answer: </nor></pre>	30 Caller ID:	
ault Settings for N		–	o line Store E
NAT: V Trans	email: 🔽 🛛 Dele	te VMail: 🗌 SRTP: 🗌	
tension Preference	5		
	User Extensions 8	00 to	899
	Save	Cancel	

Reference

Item	Explanation		
Operator Extension	Set extension number for Operator.		
Global RingTime Set	Set RingTime for every extension.		
Enable Transfer	Check to enable Transfer.		
Enable Music On Ringback	Check to enable Music On Ringback.		

China Add. Chengdu, China. Tel. +86 2885337096 ZYCO Zycoo Co., Ltd.	UAE Add. Dubai , UAE. Tel. +971 43552755	UK Add. Doncaster, UK. Tel. +44(0)1302773162 E-mail. zycoo@zycoo.com			
Record Format	Set the format for recording files. (GSM/WAV only)				
Defaut Setting for New User	Check to enable the default settings.				
Extension Preferences	Set the rule for extensions				

Global Analog Settings

Click [Advance] -> [Options] -> [Global Analog Settings]:

Global Analog Settings

General	Global Analog Settings	Global SIP Settings
Caller ID Detect		
	Caller ID Detection: 🔽	
	Caller ID Signaling: Bell-US	~
	Caller ID Start: Ring	•
	CID Buffer Length: 2500 🔻]
General		
General		
	Opermode: FCC	~
	Tone Zone: China	-
	Ring Timeout(sec): 8	
	Relax DTMF: 🔲	
	Send Caller ID After: 1 🔻	
	Echo Cancel: 🔽	
	Echo Training: <u>no (</u> y	yes/no/number)

Save Cancel

Reference:

Item	Explanation
Caller ID Detection	Enable/Disable Caller ID Detection
Caller ID Signaling	Select the mode of Caller ID Signaling.
Caller ID Start	RingCaller ID start before ring.
	PolarityCaller ID start when polarity reversal starts.
CID Buffer Length	Default CID Buffer Length
Opermode	Set the Opermode for FXO/GSM Ports.
ToneZone	Select the ToneZone in your country.
Relax DTMF	Enable/Disable Relax DTMF inspection.
Echo Cancel	Enable/Disable Echo Cancel
Echo Training	Set Echo Training (default unit: ms)
Busy Detection	Enable/Disable Busy Detection.
Busy Count	Count the Busy Detection. It will be active when enable
	Busy Detection.

China						
Add. Chengdu, (China.	Tel.	+86	2885	337096	
ZCO	Zy	cod	0 0	o.,	Ltd.	

Global SIP Settings

【Global SIP Settings】 is appropriate for advanced administrators. Please contact our technical support department before modifying anything in this section.

4.2 Virtual Fax

Virtual fax is an important feature to help enterprise reduce the cost and promote the efficient communication. It includes email to fax and fax to email generally.

Adopting the HylaFAX technology on CooVox-U60 and U100, it will be more stable to send/ receive fax. CooVox-U20/50 supports virtual fax by default and no need to configure here.

Note: This GUI is only for CooVox U60/U100.

Click (Advanced) -> (Virtual Fax):

Virtual Fax			
Virtual Fax			
Co Ar Ou La Fa	ountry Code: rea Code: utbound CID: abel: ax Seat: ialPlan:	4 v DialPlan1 v Ave Cancel	

Reference

Item	Explanation	
Enable	Enable Virtual Fax	
Country Code	Country code for the fax number	
Area Code	Area code for the fax number	
Outbound CID	Define fax number	
Label	Header information of the fax (Only support english character)	
Fax Seat	How many fax seats can be enabled to send/receive fax	
	simultaneously	
DialPlan	Select the DialPlan for virtual fax	

China	
Add. Chengdu,	China. Tel. +86 2885337096
ZCO	Zycoo Co., Ltd.

4.3 Voicemail

Click [Advanced] -> [Voicemail] -> [General]:

General			
	General	Email Settings	
VoiceMail Reference	1		
	eeting Time(sec): ' for Operator:	<u>30</u>	
Voice Message Optic	ons		
Messag	je Format:	WAV (16-bit) 🔻	
Maximum Messages:		100 -	
Max Message Time(min):		2 🗸	
Min Message Time(sec):		2 🔹	
Playback Options			
	🔽 Say Me	essage CallerID	
Say Message Duration			
	Play Er	nvelope	
Allow Users to Review			

Reference

Item	Explanation
Max Greeting Time(sec)	Maximum recording length for voicemail greetings
Dial "0" for Operator	Select this option to allow callers to press Dial "0" to transfer out
	of voicemail to the Operator.
Message Format	Save the voice message as this format, WAV(16-bit) or Raw
	GSM.
Maximum Messages	Maximum voicemail messages to be allowed to leave.
Max Message Time(min)	Maximum Time for each message to be allowed to leave.
Min Message Time(sec)	MinimumTime for each message. The message will be deleted
	automatically if the time is less than the min message time.
Say Message CallerID	Play the Caller ID of the caller before playing the voice
	message.
Say Message Duration	Play the message duration before playing the voice message.
Play Envelope	Play the date, time and caller ID for the voicemail message.
Allow Users to Review	Check this option to allow users to review the voice message.

Cancel

Save

China		UA
Add. Chengdu,	China. Tel. +86 2885337096	Add
ZYCOD	Zycoo Co., Ltd.	

Click [Advance] -> [Voicemail] -> [Email Settings] :

Email Settings			
	General	Email Settings	
	Template for	Voicemail Emails	
	🗹 Attach voicema	il to email	
Sender Name	IP Phone System		
From	pbx@zycoo.com		
Subject	New Voicemail from	m \${VM_CALLERID}	
Message	Hello \${VM_NAME \${VM_DUR} at \${ (\${VM_CALLERID}		ge lasting 🔼
	Save	Cancel	
Template Variables	<pre>\${VM_DUR} : The d \${VM_MAILBOX} : T \${VM_CALLERID} : \${VM_MSGNUM} : T</pre>	pient's first name and last i uration of the voicemail me he recipient's extension The Caller ID of the person he message number in you date and time the message	essage n who left the message ur mailbox

Reference:

Item	Explanation
Attach voicemail to Email	The voicemail will be sent as attachment to the user's Email.
Sender Name	The sender's name will be displayed when you receive the
	Email.
From	Mailbox to send email
Subject	Subject of the Email.
Message	Input the Email template.

4.4 SMTP Settings

To allow email messages to be sent to users with attached voicemail and faxmail messages, the SMTP settings need to be configured.

Click (Advance) -> (SMTP Settings):

China				
Add. Chengdu,				
ZYCOD	Zy	coo	Co.,	Ltd.

SMTP Settings	
---------------	--

SMTP Settings:	
SMTP Server:	
Port: 25	
SSL/TLS:	
Enable SMTP Authentication	
Username:	
Password:	
Send Test	
Save Cancel	

Reference

Item	Explanation
SMTP Server	You must set SMTP Server address or domain connected to the
	CooVox IP PBX, which is used for sending the voice message
	to Email.
Port	Port number for SMTP server. Default is 25, and it will be
	changed to 465 when you enable SSL/TLS.
SSL/TSL	Enable SSL/TLS.
Enable SMTP	If your SMTP server needs authentication, please enable this
Authentication	option, and configure the following.
Username	Input username of your Email.
Password	Input password of your Email.

Click [Send Test] after configuration, the following diagram will be displayed to ask you to input the Email for receiving.

Send Test	Х
Email Address:	
Send Cancel	

Specify the email address and click [Send]-to send the test email. Verify that email was successfully sent or not. If no email was received, please modify the SMTP settings and retry.

4.5 Email to Fax

Users can send fax by Email. Please configure as below. Click [Advanced] -> [Email to Fax]

Email to Fax		
Enabl	e: 🗌	
Passv	vord:	
IMAP SSL/T	Server:	
Acces Dial P	ss Code:	~
	Save Cancel	

Check "Enable", input username, password and IMAP Server(server format: imap.XX.com), select the DialPlan, then "Save" and "Activate".

Practical Case:

To Send a fax to telephone number 85337096: In DialPlan 1, there is prefix "9" before the telephone number; you need input the 【Access Code】: 985337096 and make this the subject when sending Email. Then the fax will be sent by Email as attachment.

If you need dial the extension when sending fax, e.g.: fax number: 85337096 ext.800, you need use the 【Access Code】: 985337096-800 as subject.

4.6 Music Settings

Management of Music on Hold, Music on Ringback, Music on Queue.

China	UAE		UK
Add. Chengdu, China. Tel. +86 28		. Tel. +971 43552755	Add. Doncaster, UK. Tel. +44(0)1302773162
ZYCO Zycoo Co	., Ltd.		E-mail. zycoo@zycoo.com
[Music Settings]:			
_			
	Music Settings	Music Mana	aement
	Prusic Securitys	Music Munic	igenient
Music On Hold Refere	ence		
	Music:	Music 1 🛛 👻	
Music On Ringback R	eference		
	Music:	Music 2 🔽	
	music.	Music 2	
Music On Onena Defe			
Music On Queue Refe	erence		
	··· . [
	Music:	Music 3 🛛 🍟	
	Save	Cancel	
	- Our C		

Select the different music file for different Music.

[Music Management]

Music Management

	Music Settings	Music Management	
Music Manageme	nt		
	Select Music Directory: [Music 1 🔻	oad
	Files:	▼ [Delete

Upload Music File
Select Music Directory: Music 1 V Note: The sound file must be wav(16bit/8000Hz/Mono), gsm, ulaw or alaw! The size is limited in 15MB!.
Please choose file to upload: Choose file No file chosen
Upload

Reference:

Item	Explanation	
Select Music Directory	Select which Music Directory you wish to load.	
File	Display music name under the music file, you can delete it.	
Select Music Directory	Select the file where you want to save your uploaded music.	
Please choose file to upload	Select the music you want to upload.	
	Note: music file must be WAV(16bit/8000Hz/Single), GSM,	
	ulaw or alaw, and less than 15MB.	

4.7 DISA

This feature allows an authorized user to call into the PBX and then place an outbound call using another trunk. For example, an employee working out of the office who needs to make an international call using trunks connected to the PBX. By calling the DISA number, after PIN authentication, the caller hears dial tone and can dial the call.

Please configure as below.

Click Advalue -> LDISA LINEW DISA	Click [Advance]	->	[DISA]		[New	DISA
-----------------------------------	-----------------	----	--------	--	------	------

New DISA	x
Name:	_
PIN Set:	Without PIN
Record in CDR:	
Response Timeout(sec): 10	
Digit Timeout(sec): 5	
Extension for this DISA(Optional):	
Allow Outbound Route Select DialPlan]
Save Cancel	

Reference

Item	Explanation		
Name	Define a name for DISA.		
PIN Set	User will be prompted to input this number when PIN		
	Authentication is needed.		
Record in CDR	Check to record.		
Response Timeout(sec)	The maximum time for waiting before hanging up if the		
	dialed number is incomplete or invalid. Default is 10		
	seconds		
Digit Timeout(sec)	The maximum interval time between digits when typing		
	extension number. Default is 5 seconds.		
Extension for this	If you want to access DISA by dialing an extension, you can		
DISA(Optional)	define an extension number for this DISA.		
Select DialPlan	Select the DialPlan for this DISA.		

4.8 Follow Me

This feature allows callers to automatically be forwarded to one or more internal extensions and/or one or more external phone numbers when the call is not answered at the primary extension. Please configure as below:

China	UAE
Add. Chengdu, China. Tel. +86 2885337096	Add. Dubai , UAE. Tel. +971 43552755
ZYCOD Zycoo Co., Ltd.	

UK Add. Doncaster, UK. Tel. +44(0)1302773162 E-mail. zycoo@zycoo.com

Click [Advanced] -> [Follow Me] -> [New Follow Me] :

	New Follow Me	х
Extension: Ring lasting for	▼ 20 seconds	
Follow Me List:		
	Save Cancel	

Select an extension, set the ring duration, and add the numbers in the Follow Me List; [Save] and [Activate].

List Format: Extension Number, Ring Duration

E.g.: 806,30

808,20

806 rings, after 30 seconds, the call is going to 808

[Follow Me Options]

Follow Me Options				
	Follow Me	Follow Me Options		
Follow Me Options				
Playback the incoming status message prior to starting the follow-me step(sec).				
Record the caller's name so it can be announced to the callee on each step.				
Playback the unreachable status message if we've run out of all steps or the callee was set not to be reachable.				
		Save		



4.9 Call Forward

The administrator can configure the Call Forward on this page: Click [Advanced] -> [Call Forward] :

Call Forward		
Forward Prompt		
	Enable:	▼
Call Forward	New Forward	x
Extension	Extension:	Options

4.10 One Number Stations

During a live phone conversation, one number station can allow you to switch to another extension which are in the same ONS group by feature code *1.

Click [Advanced] -> [One Number Stations] :

New One	Number	Statio	ons		x
ONS Group Members	-	800 801 802 803 804 805 806 807	Extensions	* E	
Main Exten Ring lasting Sav	for : 20	ncel			

China	
Add. Chengdu, China.	Tel. +86 2885337096
ZCO Zy	coo Co., Ltd.

Reference

Item	Explanation	
ONS Group Members	Select extensions into this ONS Group	
Main Extension	Select one extension as the main extension for this group,	
	then whatever inbound or outbound call from this grou	
	members, main extension will be displayed.	
Ring Lasting for	Define the time for Ring	

4.11 Paging and Intercom

This feature allows setting up a Paging group so when the Paging extension is dialed, the listed extensions allow the caller to speak through the speaker phone. The extensions in the Paging group must use phones that support this feature. If the Duplex option is selected, and the listed extensions use phones that support Duplex, then all the phones in the paging group will be able to have two-way conversations.

Click [Advanced] -> [Paging and Intercom] -> [New Paging Group] :

1	New	х
Paging Extension: 660		
Description:		
	 ≪ 800(SIP) 800 801(SIP) 801 802(SIP) 802 803(SIP) 803 804(SIP) 804 805(SIP) 805 806(SIP) 806 807(SIP) 807 	•
Paging Group Members	Device List	
Duplex:		
Save	Cancel	

Reference:

Item	Explanation
Paging Extension	Define an extension for this Paging Group.
Description	Define a name for this Paging Group.
Paging Group	Selected devices in this Paging Group.
Members	
Device List	Select device(s) here to Paging Group.
	Paging is typically one way for announcements only. Checking this will
Duploy	make the paging duplex, allowing all phones in the paging group to be
Duplex	able to talk and be heard by all. This makes it look like an "instant
	conference".



4.12 PIN Sets

This feature allows an administrator to specify a list of PIN codes in a PIN Set. An Outbound Route can be specified that a valid PIN code from a selected PIN Set must be used in order to have access to a give Outbound route (e.g. for long distance or international calling).

Please configure as below.

Click [Advanced] -> [PIN Sets] -> [New PIN Set] :

Ne	w PIN Set		x
PIN Set Name: PIN List:		_	
Sa	ve Cancel		

PIN Set NameDefine the name for this PIN Set.PIN ListDefine PIN codes in this list.

4.13 Call Recording

This feature allows an administrator to enable Call Recording to record incoming and/or outgoing calls related to the specified extension.

Please configure as below: Click [Advanced] -> [Call Recording] -> [New Call Recording] :

China		
	nina. Tel. +86 2885337096	
ZCO	Zycoo Co., Ltd.	

UAE		
Add. Dubai , UAE.	Tel. +971 43552755	

UK Add. Doncaster, UK. Tel. +44(0)1302773162 E-mail. zycoo@zycoo.com

New Call Recording	х			
Extension:	_			
🗆 800 (800) 🗆 801 (801) 🗌 802 (802) 🗌 803 (803) 🗔 804 (804)				
🗆 805 (805) 🗖 806 (806) 🗖 807 (807) 🗖 808 (808) 🗖 809 (809)				
□ 810 (810) □ 811 (811) □ 812 (812) □ 813 (813) □ 814 (814)				
Call Recording Time				
Always Recording: 🗌				
Start Time: 🔹 : 💌 End Time: 💌 : 💌				
Start Day: 🔹 End Day: 💌				
Call Recording Settings				
Inbound Record: 🗌 Outbound Record: 🗌				
Save Cancel				

Reference:

Item	Explanation
Extension	Define an extension for recording.
Call Recording	Set the time to record.
Time	
Inbound Record	Check to record inbound calls.
Outbound Record	Check to record outbound calls.

4.14 Smart DID

Smart DID: After extension user makes an outbound call, the call is ringing back to CooVox IP PBX, and directed to the extension who made the last call. Please configure as below.

Click [Advanced] -> [Smart DID] :

Smart DID

	Sma	rt DID	
Enable: Cancel			
Smart DID Rules List		New Smart DID Ru	Jle
Pattern	Strip	Prepend	Options
1 X.			Edit Delete

China	UAE	UK
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ZYCOD Zycoo Co., Ltd.		E-mail. zycoo@zycoo.com

Check "Enable" and "Save" to make this function activate.

Click [New Smart DID Rule] to display the following diagram:

New Smart DID Rule	e X
Pattern:	
Strip:digits before diali	ng
Prepend:before dialing	
Save Cancel	

Input the pattern and define how many digits need to be stripped or prepend, then click "Save"--"Activate".

4.15 Callback

This feature allows an external caller to place an inbound call to the CooVpx IP PBX. The inbound call will be disconnected and subsequently the PBX will place an outbound call back to this number and forwarded to defined destination after the call is connected.

Please configure as below.

Click [Advanced] -> [Callback] :

Callback Number Settings			
	Enable: 🗌 Strip:	digits before dialing	
	·		
	Prepend:	before dialing	
	DialPlan:	-	
	Save	icel	
List of Callback Number	Γ	lew Callback Number	
Callback Number		Destination	Options
No Callback Number defined!			

Enable this function; select DialPlan, and define the callback rule (strip digits or prepend prefix).

Click [New Callback Number] to add callback number.

China Add. Chengdu, China. Tel. +86 2885337096	UAE Add. Dubai , UAE. Tel. +971 43552755	UK Add. Doncaster, UK. Tel. +44(0)1302773162
ZCO Zycoo Co., Ltd.		E-mail. zycoo@zycoo.com
	New Callback Number	X
Callback Number:		
Destination: G	oto Extension 💌 800	(800) 💌
	Save Cancel	

Input callback number and define the destination.

4.16 Phone Book

When incoming call Caller ID matches the number in the phone book, the name of matched number will be displayed. Please configure as below.

Click [Advanced] -> [Phone Book]

Phone Book			
Phone Book		Import Export	t Delete All
The prefix of speed dial: *	*2 Si	ave Cancel	
Field: Name 🔻	Filter	Create Contact	Delete Selected
□ Name	Phone Number	Speed Dial	Options
	No Contact de	efined!!	

Click [Create Contact]

Create	Contact	х
Name:		
Phone Number:		
Speed Dial:		
Save	Cancel	

Speed Dial: setting up system wide speed dial numbers that translate a feature code (*99) plus a two-digit code (00-99) into an external phone number.

E.g.: prefix is *99, speed number is 00, destination telephone number is 85337096. When dial *9900, the call is going to 85337096 automatically.

4.17 Feature Codes

Click [Advanced] -> [Feature Codes] to see the following diagram, and you can define the code for each feature.

Call Parking Extension to Dial for Parking Calls: Fixtension Range to Park Calls: 701-720 Call Parking Time(sec): 45 Parking Hints: Pickup Call Pickup Extension: ** Transfer Blind Transfer: Attended Transfer: Timeout for answer on attended transfer(sec): 15 One Touch Recording
Extension Range to Park Calls: 701-720 Call Parking Time(sec): 45 Parking Hints: Pickup Call Pickup Extension: *8 Pickup Specified Extension: ** Transfer Blind Transfer: # Attended Transfer: *2 Disconnect Call: * Timeout for answer on attended transfer(sec): 15 One Touch Recording
Call Parking Time(sec): 45 Parking Hints: Pickup Call Pickup Extension: *8 Pickup Specified Extension: ** Transfer Blind Transfer: # Attended Transfer: *2 Disconnect Call: * Timeout for answer on attended transfer(sec): 15 One Touch Recording
Parking Hints: Pickup Call Pickup Extension: *8 Pickup Specified Extension: ** Transfer Blind Transfer: # Attended Transfer: *2 Disconnect Call: * Timeout for answer on attended transfer(sec): 15 One Touch Recording
Pickup Call Pickup Extension: *8 Pickup Specified Extension: *** Transfer Blind Transfer: # Attended Transfer: *2 Disconnect Call: * Timeout for answer on attended transfer(sec): 15 One Touch Recording 15
Pickup Extension: *8 Pickup Specified Extension: ** Transfer Blind Transfer: # Attended Transfer: *2 Disconnect Call: * Timeout for answer on attended transfer(sec): 15 One Touch Recording
Pickup Specified Extension: ** Transfer Blind Transfer: # Attended Transfer: *2 Disconnect Call: * Timeout for answer on attended transfer(sec): 15 One Touch Recording
Transfer Blind Transfer: # Attended Transfer: *2 Disconnect Call: * Timeout for answer on attended transfer(sec): 15 0ne Touch Recording
Blind Transfer: # Attended Transfer: *2 Disconnect Call: * Timeout for answer on attended transfer(sec): 15 One Touch Recording
Attended Transfer: *2 Disconnect Call: * Timeout for answer on attended transfer(sec): 15 One Touch Recording
Disconnect Call: * Timeout for answer on attended transfer(sec): 15 One Touch Recording
Timeout for answer on attended transfer(sec): 15 One Touch Recording
One Touch Recording
One Touch Recording: *1
Call Forward Enable Forward All Calls: *71
Disable Forward All Calls: *071
Enable Forward on Busy: *72
Disable Forward on Busy: *072
Enable Forward on No Answer: *73
Disable Forward on No Answer: <u>*073</u>

China	UAE	UK
Add. Chengdu, China. Tel. +86 2885337096	Add. Dubai , UAE. Tel. +971 43552755	Add. Doncaster, UK. Tel. +44(0)1302773162 E-mail. zycoo@zycoo.com
2,000 00., 114.		
Do Not Disturb		
	Enable Do Not Disturb:	*74
	Disable Do Not Disturb:	*074
Spy		*00
	Normal Spy:	
	Whisper Spy:	
	Barge Spy:	*92
Black List	Dia didiati a successione	*75
	Blacklist a number:	
Voicemail	e a number from the blacklist:	-073
voiceman	Voicemail Main Menu:	*60
	Check Extension Voicemail:	
Conferences	check Extension voicemail.	
	Invite Participant:	0
	Create Conference:	*0
Return to	conference with participant:	**
	onference without participant:	
Call Queues		
Pau	se Queue Member Extension:	*95
-	se Queue Member Extension:	*095
Others		*==
	Intercom:	
	Paging:	
	Directory:	*3
	Save Cancel	

Reference:

Item	Explanation
Extension to Dial for Parking	Define an extension for parking calls.
Calls	
Extension Range to Park	Define the extension range for parking calls. (e.g.: 701-720)
Calls	
Call Parking Time(sec)	Define the time for parking calls. CooVox IP PBX will return
	the call to the extension after this time limit has expired.
Pickup Extension	This feature code will pick up a call given that the callers
	extension and the ringing extension are in the same pickup
	group and call group.
Pickup Specified Extension	This feature code allows a caller to Pickup a call ringing on
	the specified extension. Default: Dial**+extension number to
	pickup the specified extension.
Blind Transfer	To Allow unattended or blind transfer while on a call based
	on the following steps:
	1. While on a call with caller "A", the user dials the blind
	transfer key sequence (in this case "#"). The system places
	the original call with "A" on hold, says "Transfer" then gives a
	dial tone.
	2.dial the transferee extension or phone number you wish to
	transfer the call to "B" and hangup the phone.

	3. The original caller "A" is transferred immediately to the transferee "B" and "B" sees the callerid of "A".
Attended Transfer	To Allow attended or supervised transfer while on a call based on the following steps: 1.While on a call with caller "A", the user dials the supervised transfer key sequence (in this case "*2"). The system places the original call with "A" on hold, says "Transfer" then gives a dial tone. 2.dial the transferee extension or phone number you wish to transfer the call to "B" and wait for "B" to answer the phone and talk to "B" to introduce the call. 1.If "B" does not wish to take the call, "B" can hang up the call and you are returned to your call with "A". 2.If "B" wishes to accept the call, you hang up the phone and caller "A" is transferred to the transferee "B". 3.If the call goes to voicemail or you wish to abort the transfer, simply press the "disconnect call" key sequence (in this case "*") and the transfer will be aborted and you will be back on the call with the original caller "A"
Disconnect Call	back on the call with the original caller "A".Disconnect the current transfer call (for Attended transfer).
Timeout for answer on	Set the timeout value
attended transfer (sec)	Set the timeout value
One Touch Recording	Configure the function key for One Touch Recording
Call Forward	Enable/Disable Call Forward and the settings of function
	keys for different forward modes.
Do Not Disturb	Enable/Disable "Do Not Disturb"
Spy	Configure the function keys for spy modes.
Blacklist	Add/Delete blacklist number.
Voicemail	Configure the function keys for entering voicemail and check
	extension voicemail.
Invite Participant	In conference, the administrator can invite people into the conference by dialing "0". After pressing "0", you will get dialtone, and you can dial to invite people. After the call is connected, please press ** to direct the people into the conference, or *# to hang up the current call and return to the conference.
Create Conference	During the call, you can dial *0 to forward to the conference with the callee.
Return to conference with	In conference, the administrator can dial "0" to invite people
	into the conference. After pressing "0", you will get dialtone,
participant	
participant	
participant	and you can dial to invite the participant; when the call is
participant	

China			
Add. Chengdu, C			
ZCO	Zyco	o Co.,	Ltd.

participant	into the conference. After pressing "0", you will get dialtone,
	and you can dial to invite the participant. When the call is
	connected, you can dial "*#" to hang up and return the
	conference yourself.
Pause Queue Member	Pause the agent, and the agent cannot receive the call.
Extension	
Unpause Queue Member	Unpause the agent, and the agent can receive the call.
Extension	
Others	Function key for Intercom/ Paging/ Directory

4.18 IP Phone Provisioning

When many IP Phones are needed, please record the MAC, extension number, and username of each phone according to the format (please take reference of the auto provision script file model for details), then import the format file, once the phone is connected to the local network, it will get the extension number and password automatically. There are two operation methods to fulfill this function, please see details as below.

Enable DHCP service

```
Click [System] -> [Network Settings] -> [DHCP Server] DHCP Server in the following diagram:
```

DHCP Server					
	DHCP Server	DHCP Client List		Static MAC	
DHCP Server	Settings				
	Enable: Interfac Start IP: End IP: Subnet Gatewa Primary Lease T TFTP Se	Mask: y: DNS: ime(min):	✓ LAN ▼ 192.168.1.101 192.168.1.200 255.255.255.0 192.168.1.1 61.139.2.69 1440 Cancel		

Then Click [Advanced] -> [Phone Provisioning] -> [Phone Settings] -> [New Phone] :

China	UAE	UK
Add. Chengdu, China. Tel. +86 2885337096	Add. Dubai , UAE. Tel. +971 43552755	Add. Doncaster, UK. Tel. +44(0)1302773162
ZYCOD Zycoo Co., Ltd.		E-mail. zycoo@zycoo.com

New Phone				
General				
	Enable:	V		
Manufacturer: MAC:		▼ Type: ▼		
Advance				
Line1	Extension:	▼ Label:		
		Save		

Enable Phone Provisioning in [General], select the IP Phone manufacture, input MAC of the phone, and select the extension for provisioning.

Then Click [PnP Settings]

Plug and Play(PnP) Se	ettings				
	Phones Settings	PnP Settings			
Plug and Play(PnP) Settings					
	Enable: Interface: Custom URL:	LAN -			
	Multicasting Address: Port:	224.0.1.75 5060			
	Save	Cancel			

CooVox IP PBX supports IP Phones from CISCO, Grandstream, Yealink, Polycom, Snom, Akuvox, Escene, Favil, Htek now.


Chapter 5 Network Settings

5.1 Network

You can configure the WAN Port, and define the Virtual Interface. **IPv4 Settings:**

Click [Network Settings] -> [Network] -> [IPv4 Settings] :

Network

	IPv4 Settin	gs	IPv6	Settings	VL	AN Settings
WAN Po	rt Setup					
			IP Assig	in: Static	•	
		IP A	ddress:	192.168.1.	61	
		Subne	t Mask:	255.255.25	55.0	
				192.168.1.	253	
		Primary DNS:		8.8.8		
		Alterna	te DNS:			
LAN Por	t Setup					
	IP Address:	192.168.	211.1	Sub	net Mask	255.255.255.0
ſ	□ IP AddressV1:		Subne	t MaskV1	:	
ſ	IP AddressV2:		Subne	t MaskV2	:	
			Save	Cancel		

Reference

Item	Explanation
IP Assign	Static/ DHCP/ PPPoE supported.
IP Address for LAN Port	Define a static IP Address for LAN Port
Virtual Interface for LAN	Define the IP address for virtual interface.(V1,V2)
Port	

China				
Add. Chengdu, (
ZCO	Zy	coo	Co.,	Ltd.

IPv6 Settings:

Click [Network Settings] -> [Network] -> [IPv6 Settings]

	IPv4 Settings	IPv6 Settings	VLAN Settings				
WAN Port Setup							
	P	Enable: v6 Address: refix Length: Gateway: rimary DNS: ernate DNS:					
IPv6 Refere	nce.	Save					

ItemExplanationEnableEnable IPv6, define the IPv6 address, gateway, and DNS.

VLAN Settings:

A VLAN has the same attributes as a physical local area network(LAN), but it allows for end stations to be grouped together more easily even if they are not on the same network switch. VLAN membership can be configured through software instead of physically relocating devices or connections. Most enterprise-level networks today use the concept of virtual LANs.

Click [Network Settings] -> [Network] -> [VLAN Settings] :

China Add. Chengdu, Chi	ina. Tel. +86 2885337096 Zycoo Co., Ltd.	UAE Add. Dubai , UA	ьЕ. Tel. +971 43552	755	UK Add. Doncaster, UK	. Tel. +44(0)13 E-mail. zycoo@z	
Vetwork							
	IPv4 Settings	IPv6 S	ettings	VLA	N Settings		
WAN VLAN 1	1						
WAN VLAN	2						
LAN VLAN 1							
LAN VLAN 2							
		Enable:	Cancel				•

VLAN Reference:

Item	Explanation
Enable	Enable VLAN, define the VLAN address and VLAN ID.



5.2 3G Network

Click [Network Settings] -> [3G Network] :

3G Network Settings

	3G Network Settings	3G Network Log	
3G Network Se	ttings		
	Enable: APN: Dial Number: Username: Password: Auth Peer Mode: LCP Echo Time(sec): LCP Echo Wait: Timeout: MRU: MRU: MTU: NAT: DNS Manual Set: DNS: WAN Routing Backup: Network Diagnostic Addr:	✓ 3gnet *99# NONE 10 20 120 1480 1480 1480 □	
	iress 172.19.54.227		

remote IP address 10.64.64.96 primary DNS address 10.11.12.13

Reference

Item	Explanation						
Enable	Enable 3G Network						
APN	Define APN access way						
Dial Number	Define Dial Number. e.g.: *99#						
Username	Define 3G Network Username (supplied by the internet service						
	provider)						
Password	Define 3G Network Password (supplied by the internet service						
	provider)						
Auth Peer Mode	Select Authentication Model: AUTO/ PAP(Password Authentication						
	Protocol)/ CHAP(Cryptographic Handshake Authenticate						
	Protocol)/ NONE(No Password Authentication)						
LCP Echo Time(sec)	The device sends LCP request (echo-request) to the server, and the						
	request will be responded within n seconds; together with "LCP Echo						

China	
Add. Chengdu, China.	Tel. +86 2885337096
7YC0 71	coo Co. Ltd.

Z

UAE Add. Dubai , UAE. Tel. +971 43552755

	Wait", defaulted 20 seconds.
LCP Echo Wait	The maximum failure times of LCP request is n; if no response within
	n times, device will ensure the network connection is failed.
	Defaulted 3 times
Timeout	Defaulted 120 seconds.
MRU	Define the Maximum receiving unit
MTU	Define the Maximum sending unit
NAT	Enable NAT of 3G Network
DNS Manual Set	Enable Manual setting for NAT
DNS	Define DNS Address
WAN Routing	Enable WAN Routing Backup
Backup	
Network Diagnostic	Default Address
Add	

Then click 【3G Network Log】:

work Log
fresh
c your system!
2

5.3 Static Routing

Click [Network Settings] -> [Static Routing] :

New Static Routing				
Destination Network: Subnet Mask: Gateway:				
Save Cancel				

Reference:

Item	Explanation
Destination	Set destination network for static routing.
Subnet Mask	Set subnet mask of the destination network.
Gateway	Define the gateway accessing the destination network.

Click [Network Settings] -> [Static Routing] -> [Routing Table], the current routing information will be displayed as below:

Routing Table							
		Static Routing	Routin	g Table			
Routing Table:							
Kernel IP routi	ing table						
Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Ifa
192.168.211.0	0.0.0.0	255.255.255.0	U	0	0	0	LAN
192.168.1.0	0.0.0.0	255.255.255.0	U	0	0	0	WAN
192.168.11.0	0.0.0.0	255.255.255.0	U	0	0	0	WAN
169.254.0.0	0.0.0.0	255.255.0.0	U	0	0	0	LAN
0.0.0.0	192.168.1.253	0.0.0.0	UG	0	0	0	WAN

5.4 VPN Server

CooVox IP PBX supports three kinds of VPN servers: L2TP/PPTP/OpenVPN. Click [Network Settings] -> [VPN Server]:

VPN Server		
	OLSTE PPTE OLS	penVPN
Enable: Stealth: Certificate: Port: Protocol: Device Node: Cipher: Compress Lzo: TLS-Server: Remote Network: Route: Client-to-Client:	None 1194 UDP TUN Default Save Cancel	Create Delete

OpenVPN Server Reference:

Item	Explanation		
VPN Server Mode	Three kinds of VPN servers L2TP/PPTP/OpenVPN supported		
	(Only one mode can be enabled simultaneously)		
Enable	Enable/Disable OpenVPN Server		
Stealth	Select to enable stealth		

China Add. Chengdu, China. Tel. +86 2885337	UAE 096 Add. Dubai , UAE. Tel. +971 43552755	UK Add. Doncaster, UK. Tel. +44(0)1302773162
ZYCOO Zycoo Co., Lt		E-mail. zycoo@zycoo.com
Certificate	Create the OpenVPN server cer	tificate; e.g.:
	Create Open	VPN Certificate X
	Country: CN	_
	Province: sich	uan
	City: che	ngdu
	Organization : zyco	00
	Email: sdj@	Dzycoo.com
	CA/KEY expire: 365	0
	Create	Cancel
Port/ Protocol/ Device	Once selected OpenVPN, all o	f these information will be set by
Node/ Cipher	default.	
Compress Lzo	Enable Compress Lzo	
TLS-Server	Enable OpenVPN server TLS	
Remote Network	Set OpenVPN remote Network	
Route	Set OpenVPN Route	
Client-to-Client	Enable clients to access each ot	her

After saving the OpenVPN server, click [Network Settings]->[VPN Server]->[OpenVPN Certificate Download]:

		VPN Server	OpenVPN Certifica	te Download
List of OpenVPN Certificate		enVPN Certificate	New Certificate	Delete Selected
Certificate Name		Certificate Name		Options
	1	Client1.tar		Download Delete

This page is used for management of OpenVPN certificate file. After downloading the certificate, please upload the three certificates to the OpenVPN client.

VPN Server	
۱ ا	2TP OPPTP OpenVPN
Enable: Remote Start IP: Remote End IP: Local IP: Primary DNS: Alternate DNS: Authentication Method: Debug:	chap pap
	Save Cancel

China					
Add. Chengdu, (
ZCO	Zy	cod	0 0	Co.,	Ltd.

L2TP Reference:

Item	Explanation
Enable	Enable/Disable L2TP
Remote Start IP	Input the remote start IP of L2TP Client which is provided by VPN
	provider
Remote End IP	Input the remote end IP of L2TP Client which is provided by VPN
	provider
Local IP	Set the local IP of L2TP server
Primary DNS	Set the primary DNS of L2TP server
Alternate DNS	Set the alternate DNS of L2TP server
Authentication	Select the authentication method: chap or pap
Method	
Debug	Enable/ Disable debug

PPTP

VPN Server	
□ L2 ⁻	TP 💽 PPTP 🔍 OpenVPN
Enable: Remote IP: Local IP: Primary DNS: Alternate DNS: Timeout(sec): Authentication Method: Enable mppe128: Debug:	

PPTP Reference:

ltem	Explanation
Enable	Enable/Disable PPTP
Remote IP	Input the remote IP of PPTP server which is provided by VPN
	provider
Local IP	Set the local IP of PPTP server which is provided by VPN provider
Primary DNS	Set the primary DNS of PPTP server
Alternate DNS	Set the alternate DNS of PPTP server
Timeout(sec)	Timeout for disconnection of PPTP
Authentication	Select the authentication method: chap/ pap/ mschap/ maschap-v2
Method	
Enable mppe128	Enable/ Disable mppe128 encryption
Debug	Enable/ Disable debug

When the mode is saved as L2TP or PPTP VPN server, you need to edit the username and

China	UAE	UK
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ZYCOD Zycoo Co., Ltd.		E-mail. zycoo@zycoo.com

password from the VPN Users Management.

Click [Network Settings] -> [VPN Server] -> [VPN Users Management]:

	VPN Server	VPN Users Management	
List of VP	N Users	New VPN User	
Use	rname	Availability	Options
1 test1		yes	Edit Delete

5.5 VPN Client

CooVox IP PBX supports four kinds of VPN Clients: L2TP/ PPTP/ OpenVPN/ N2N

Click [Network Settings] -> [VPN Client]:

L2TP

PN Client		
•	2TP C PPTP C OpenVPN C N2N	
Enable:		
Server Address:	192.168.1.164	
Username:	admin	
Password:	• • • • •	
Default Gateway:	V	

Reference:

Item	Explanation
Enable	Enable this kind of VPN Client
Server Address	Set a L2TP VPN server Address
Username	Set the L2TP VPN username
Password	Set the L2TP VPN password
Default Gateway	Select to use default gateway

China					
Add. Chengdu, (
ZCO	Zy	co	0 (Co.,	Ltd.

PPTP

VPN Client	
VPN Client	
C L2TP	PPTP O OpenVPN O N2N
Enable: Enable 40/128-bit encryp Server Address: Username: Password: Default Gateway:	tion for MPPE:

Reference:

Item	Explanation
Enable	Enable this kind of VPN Client
Enable 40/128-bit	Select to enable this encryption for MPPE
encryption for MPPE	
Server Address	Set a PPTP VPN server Address
Username	Set the PPTP VPN username
Password	Set the PPTP VPN password
Default Gateway	Select to use default gateway

OpenVPN

VDN	iont
VPIN	ienit

VPN Client				
C L2TF	OPPTP OpenVPN	O N2N		
Enable:				
Server Address:				
Stealth:				
Port:	1194			
Protocol:	UDP 🔻			
Device Node:	TUN 👻			
Cipher:	Default 🔻			
Compress Lzo:				
Default Gateway:				
CA Certificate	None	Upload	Delete	
Client Certificate	None	Upload	Delete	
Client Key	None	Upload	Delete	
	Save Cancel			

UK Add. Doncaster, UK. Tel. +44(0)1302773162 E-mail. zycoo@zycoo.com

Reference:

Item	Explanation
Enable	Enable this kind of VPN Client
Server Address	Set a OpenVPN server Address
Stealth	Select to enable stealth
Port/ Protocol/ Device	Once select OpenVPN, all of these information will be set by
Node/ Cipher	default.
Compress Lzo	Enable Compress Lzo
Default Gateway	Select to use default gateway

Note: To use OpenVPN, you must upload the CA Certificate/ Client Certificate/ Client Key.

N2N

VPN Client

VPN Client	
C L2TP	C PPTP C OpenVPN C N2N
Enable: Server Address: Port: Local IP: Subnet Mask: Local Port: Username: Password:	Save Cancel

Reference:

Item	Explanation
Enable	Enable this kind of VPN
Server Address	Set a N2N VPN server Address
Port	Input the port which is provided by VPN provider
Local IP	Set the N2N client Local IP
Subnet Mask	Set subnet mask
Local Port	Set the N2N client Local Port
Username	Set the N2N VPN username
Password	Set the N2N VPN password

5.6 DHCP Server

Click [Network Settings] -> [DHCP Server]:

China		UAE	
Add. Chengdu,	China. Tel. +86 2885337096	Add. Dubai , UAE.	Tel. +971
ZCO	Zycoo Co., Ltd.		

DHCP Server

DHCP S	erver	DHCP	Client List	Static MAC	
DHCP Server Settings	i				
	Enable: Interface Start IP: End IP: Subnet M Gateway Primary I Lease Tir TFTP Ser	1ask: : DNS: me(min):	LAN • 192.168.1.101 192.168.1.200 255.255.255.0 192.168.1.1 61.139.2.69 1440 Cancel		

43552755

Click [Network Settings] -> [DHCP Server] -> [DHCP Client List] :

	DHCP Client List 🌵						
DHCP Server DHCP Client List Static MAC		DHCP Server	DHCP Client List	Static MAC			

DHCP Client List:

This page is used to display DHCP Client address and related information.

When DHCP Server distributes address, the Client's MAC address is associated with the IP address, and then the device will get the same IP address every time.

Click [Network Settings] -> [DHCP Server] -> [Static MAC] -> [New Static MAC] :

Ne	w Static MAC	Х
MAC Address: IP Address:	Save Cancel	

5.7 DDNS Settings

After setting DDNS (Dynamic Domain Network Server), CooVox IP PBX settings will be visited remotely. Click [Network Settings] -> [DDNS Settings]:

DDNS Settings			
C L P	Enable: DDNS Server: Jsername: Password: Domain: Si	dyndns.org	▼

Status:Disabled

CooVox supports DDNS provided by Dyndns.org / No-ip.com / zoneedit.com.

5.8 SNMPv2 Settings

SNMP(Simple Network Management Protocol): Used for remote management.

Click [Network Settings] -> [SNMPv2 Settings]:

SNMPv2 Settings

Read Only		
	Enable:	
	RO Community:	public
	RO Network:	/
Read and Write		
	Enable:	
	RW Community:	private
	RW Network:	/
	Save	Cancel

SNMPv2 Reference:

Item	Explanation
Enable	Enable "Read Only" of SNMP
RO Community	Define the name of RO Community of SNMP
RO Network	Define network of RO

5.9 TR069 Settings

TR069 (Technical Report 069) is a Broadband Forum (formerly known as DSL Forum) technical specification entitled CPE WAN Management Protocol (CWMP). It defines an application layer protocol for remote management of end-user devices. Click [Network Settings] -> [TR069 Settings] :

TR069 Settings

TR069 Settings	
Enable:	
CPE to ACS URL:	
ACS Authentication Mode:	NONE -
ACS Username:	
ACS Password:	
CPE Inform Interval(sec):	42200
ACS to CPE URL:	
Save	Cancel

Reference

Item	Explanation
Enable	Enable TR069 service
CPE to ACS URL	URL to visit ACS, which is used by PBX to connect ACS via
	CPE WAN management protocol (CWMP)
ACS Authentication Mode	Select ACS Authentication Mode
ACS Username	When PBX send request to ACS, ACS will provide username to
	the authorized PBX.
ACS Password	When PBX send request to ACS, ACS will provide password to
	authorized PBX.
CPE Inform Interval (sec)	Interval for CPE to connect ACS
ACS to CPE URL	URL to visit CPE. Format: http://IP:port(7547), you must use
	this port.

5.10 Trouble Shooting

You can ping other network device through CooVox IP PBX and track network routing by command "Traceroute" .

Click [Network Settings] -> [TroubleShooting] :

Troubleshooting		
	Ping	Traceroute
Ping	Packets: 4	Run Stop



Chapter 6 Security

6.1 Firewall

Click [Security] -> [Firewall]

Firewall								
General								
		Enable Fi	rewall: 🔽	Disable Pi	ng: Cancel	Drop All: 🗖		
Common	Rules				Add Rule	2		
	Name	Action	Protocol	Port		IP	MAC	Options
* 2	Refuse AMI	DROP	TCP	5038:5038				Edit Delete

Auto Defense		Add Rule	
Port	Protocol	Rate	Options
5060	UDP	120/30s	Edit Delete
5060	UDP	40/2s	Edit Delete
5061	TCP	80/2s	Edit Delete
22	TCP	10/60s	Edit Delete

6.2 Service

[Service] : Settings of SSH/FTP and HTTP Port.

Click [Security] -> [Service] :

Service Settings
Enable SSH: 🔽 Port:22
Remote SSH Administration: 🔽
HTTP Port: <u>9999</u>
Remote HTTP Administration: 🔽
Save Cancel

China	
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ZYCO Zy	coo Co., Ltd.

Enable SSH to login background management system through SSH. Enable FTP to allow uploading files to system through FTP.

6.3 SIP Allowed Address

The allowed IP address will be never filtered or refused by any SIP request. This will protect system to be attacked by other unallowed IP.

Click [Security] -> [SIP Allowed Address] :

	Add Allowed IP	x
Allowed IP: Subnet Mask:		
	Save Cancel	

Chapter 7 Report

7.1 Register Status

Check status of all users & trunks.

Click [Report] -> [Register Status] :

Register Status 🌼				
SIP Users Status	IAX2 Users Status	SIP Trunks Status	IAX2 Tru	inks Status
SIP Users Status:				
Response: Follows				
Privilege: Command				
Name/username	Host	Dyn Forcerport A	CL Port	Status
800/800	192.168.11.37	D N	5060	OK (8 ms)
801/801	(Unspecified)	D N	0	UNKNOWN
802	(Unspecified)	D N	0	UNKNOWN
803	(Unspecified)	D N	0	UNKNOWN
804	(Unspecified)	D N	0	UNKNOWN
805/805	(Unspecified)	D N	0	UNKNOWN
806	(Unspecified)	D N	0	UNKNOWN
807	(Unspecified)	D N	0	UNKNOWN
808	(Unspecified)	D N	0	UNKNOWN
809	(Unspecified)	D N	0	UNKNOWN
810	(Unspecified)	D N	0	UNKNOWN
811	(Unspecified)	D N	0	UNKNOWN
812	(Unspecified)	D N	0	UNKNOWN
813	(Unspecified)	D N	0	UNKNOWN
814	(Unspecified)	D N	0	UNKNOWN
15 sip peers [Monitored: END COMMAND	1 online, 14 offline U	nmonitored: 0 online,	0 offline]	

【IAX2 Users Status】:

Register Status 🌣			
SIP Users Status	IAX2 Users Status	SIP Trunks Status	IAX2 Trunks Status
IAX2 Users Status: Response: Follows Privilege: Command Name/Username Host 0 iax2 peers [0 online, END COMMAND	Mask O offline, O unmonitore	Port d]	Status

[SIP Trunks Status] :

Regi	ister Status 🗘				
	SIP Users Status	IAX2 Us	ers Status	SIP Trunks Status	IAX2 Trunks Status
Resp Pri Hos 0 S	P Trunks Status: ponse: Follows vilege: Command t IP registrations. ND COMMAND	dnsmgr	Username	Refresh State	Reg.Time

China Add. Chengdu, China. Tel. +86 2885 ZCOD Zycoo Co., (IAX2 Trunks Status):		UK Tel. +971 43552755 Add. D	Doncaster, UK. Tel. +44(0)1302773162 E-mail. zycoo@zycoo.com
Register Status 🌵			
SIP Users Status	IAX2 Users Status	SIP Trunks Status	IAX2 Trunks Status
IAX2 Trunks Status: Response: Follows Privilege: Command			

Perceived

Refresh State

dnsmgr Username

7.2 Fax List

0 IAX2 registrations. --END COMMAND--

Host

Fax List will display all the fax records. You can check the related information by searching the date or caller ID.

Click 【Report】-> 【Fax list】:

Fax List					
Start Date:	Jun 🔻 16 💌 201	5 👻	Field: Caller ID	•	Filter
End Date:	Jun 🔻 16 🔻 201	5 🔻			
Caller ID	Destination	Date	File Name	Status	

No log messages found
No log messages found.

7.3 Record List

Check recordings of specified extension or conference here, or delete the recording file. **[**Record List**]** :

Call Re	cording				
	Call Recording	Conferences	One Touch Recording		
Extension:					
Start Date: Jun 🔻 16 👻 2015 👻 End Date: Jun 💌 16 👻 2015 💌 Filter					
List of Recording Files Delete Selected					
	Caller ID Des	stination ID Date	Duration(sec) Options		

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ZCO Zycoo Co., Ltd.		E-mail. zycoo@zycoo.com

[Conference]:

Confer	ences					
	Call Recording Conferen		nces	One Tou	ich Red	ording
Start Date: Jun • 16 • 2015 • End Date: Jun • 16 • 2015 • Filter						
List of Conference Record Files Delete Selected Delete All						
	Conference Room					Options

[One Touch Recording]

One Touch Recording

	Call Recording	Conferences	One Touch Recording		
Extension:					
Start Date: Jun 🔻 16 👻 2015 👻 End Date: Jun 👻 16 👻 2015 👻 Filter					
List of	Recording Files	Delete Selected			
	Caller ID De	estination ID	Date Options		

7.4 Call Logs

Check call logs by caller ID or callee ID. Click [Report] -> [Call Logs] :

Call Logs

Start Date:	Jun 🔻 16 👻 2015 👻	Field: Caller ID 👻		Filter
End Date:	Jun 🔻 16 🔻 2015 💌		Download	Delete
Call Start	Caller ID	Destination ID Account Code	Duration(sec)	Disposition

Duration in the call logs is not real charged duration. If you need billing, PSTN must support polarity reversal function, and meanwhile, you must configure relevance parameters of polarity reversal in trunk configuration for the CooVox IP PBX.

The number in the call logs can be added in the phone book directly, e.g.:

China Add. Chengdu, China. Tel.	+86 2885337096	UAE Add. Dubai , UAE.	Tel. +971 43552755	UK Add. Doncaster, UK. Tel	. +44(0)1302773162
ZCO Zyco	o Co., Ltd.			E-mai	l. zycoo@zycoo.com
Call Logs					
Start Date:	Jun 🔻 7	▼ 2015 ▼	Field: Caller I	D •	Filter
End Date:	Jun 🔻 25	▼ 2015 ▼		Down	load Delete
Call Start	Callan ID	Deed	institute TD Assess	nt Code Duration(sec)	Disposition
2015-06-15 14:18:36		Create Contact	Х	14	ANSWERED
2015-06-10 14:20:29				31	ANSWERED
2015-06-10 14:19:18	Name:			60	ANSWERED
2015-06-10 14:18:07				60	ANSWERED
2015-06-10 14:16:56	Phone Number:	22800		60	ANSWERED
2015-06-10 14:15:45				60	ANSWERED
2015-06-10 14:14:34	Save	Cancel		60	ANSWERED
2015-06-10 14:13:23				60	ANSWERED
2015-06-10 14:12:12				60	ANSWERED
2015-06-10 14:11:01	000 <000	/	10000	60	ANSWERED

7.5 System Logs

Click [Report] -> [System Logs], you can download/ delete the system logs.

Syst	System Logs					
Enable System Log: 🗌 Enable PBX Log: 🔲						
		Enable PB	8X Debug Log: 🔲 Enable Ac	cess Log: 🗌		
			Save Cancel			
List	of Lo	ogs 🌵	Download Selected	Delete Se	elected	
		Name	Туре	C	Options	
	1	login201303.log	Login Log	Delete	Download	
	2	login201304.log	Login Log	Delete	Download	
	3	pbx20130311.log	PBX Log	Delete	Download	
	4	pbx20130313.log	PBX Log	Delete	Download	
	5	pbx20130315.log	PBX Log	Delete	Download	
	6	pbx20130319.log	PBX Log	Delete	Download	
	7	pbx20130320.log	PBX Log	Delete	Download	



Chapter 8 System

8.1 Hot Standby (For U100 only)

The function will working between the two Coovox-U100 devices. When the primary server failed, the slave server will replace it.

	Hot Standby	Hot Standby Log
ot Standby Setting	5	
Enable	:	
Hot Sta	ndby Mode:	•
Local H	ostname:	
Remote	e Hostname:	
Local IF	?:	
Local H	eart Line Port:	7790
Local P	ort:	7788
Remote	e IP:	
Remote	e Heart Line Port:	7789
Remote		7788
Virtual		
	etwork Rate:	100Mbps 🔻
	Fresh Time(sec):	5
	Link Timeout(sec):	15
Adminis	stator Email:	

Status: Disabled

Reference:

Item	Explanation
Enable	Enable 'Hot Standby' function.
Hot Standby Mode	Set the local server hot standby mode.
Local Hostname	Set the local server host name.
Remote Hostname	Set the remote server host name
Local IP	Set the local server IP address.
Local Heart Line Port	Set the local server heart line port
Local Port	Set the local server port (default: 7788)
Remote IP	Set the remote server IP address
Remote Heart Line Port	Set the remote server heart line port

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ZCO Zycoo Co., Ltd.		E-mail. zycoo@zycoo.com

Remote Port	Set the remote server port(default: 7788)		
Virtual IP	Set the virtual IP address. The primary server and		
	slave server must use same virtual IP address		
SYNC Network Rate	Select the server network rate.		
Status Fresh Time	Set the status fresh time(sec)		
Remote Link Timeout	Set the remote link timeout(sec)		
Administrator Empil	Set the administrator email, if the primary server		
Administrator Email	faults will send email to administrator.		
Administrator Phone Number	Set the administrator phone number, if the primary		
	server faults will call administrator		

8.2 Time Settings

Time settings for CooVox system. The system supports either NTP or Manual Time Set.

【NTP】:

Time Settings	
Time Settings	
	NTP C Manual Time Set
	NTP Server: time.windows.co Sync Time Zone: Asia/Chongqing •
	Save Cancel

Reference:

Item	Explanation
NTP Server	Define the NTP Server. You can input the IP address or domain of this server, whether it's local or remote. Default server is pool.ntp.org. Be aware that the CooVox IP PBX needs to be able to connect to an NTP server to properly function.
Time Zone	Select your time zone so that the system will set time based on the time zone.

China Add. Chengdu, China. Tel. +86 2885337096 ZYCOO Co., Ltd.	UAE Add. Dubai , UAE.	Tel. +971 43552755	UK Add. Doncaster, UK. Tel. +44(0)1302773162 E-mail. zycoo@zycoo.com
[Manual Time Set] :			
Time Settings			
Time Settings			
C	NTP	Manual Time	Set
Year:		(YYYY, eg: 2	010)
Month:		(MM, eg: 05)
Day:		(DD, eg: 08)
Hour:		(HH, eg: 09)
Minute:		(MM, eg: 30)
Syn	chronize with	n current PC tim	e Sync
	Save	Cancel	

After entering Year/ Month/ Day/ Hour/ Minute, then save and activate. Or, you can click [Sync] to synchronize with current PC time.

8.3 Module Settings (Support for U50/U100)

When use the module except FXO/FXS/GSM. You need to set the module parameters with the page.

Click [System] -> [Module Settings] :

China				
Add. Chengdu, C				
ZCO	Zyc	:00 (Co.,	Ltd.

E1/T1 module

Module Se	ettings		
SLOT 1			
	Module Type: Hardware Echo Cancellat E1/T1 Settings: Mode: Signaling: Framing: Coding: CRC4:	ion: E1 NET CCS HDB3	E1/T1 ▼
SLOT 2			
	Module Type: Hardware Echo Cancellat	ion:	FXS/FXO/GSM ▼

Module Type:

Select the module type Default type. You don't need set anything for those modules.

- FXS/FXO/GSM module
- E1/T1 module

Reference:

Item	Explanation
Mode	Set E1 or T1 mode for the module.
Signaling	Set the module signaling.
Framing	One of 'd4' or 'esf' for T1; 'cas' or 'ccs' for E1.
Coding	One of 'ami' or 'b8zs' for T1; 'ami' or 'hdb3' for E1.
CRC4	Enable CRC4 Verification.

FXS/FXO/GSM module

SLOT 2	
Module Type:	FXS/FXO/GSM -
Hardware Echo Cancellation:	

Select the module from the drop list that you just installed and click 【Save】. It's easier to configure the analog modules; if you wanna use Hardware Echo Cancellation, please ensure you have purchased and installed Zycoo Hardware Echo Cancellation Module. Note: WCDMA will be displayed in next vision of usermanual.

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ZCO Zycoo Co., Ltd.		E-mail. zycoo@zycoo.com

ISDN BRI module

SLOT 2				
	Module Type:		ISDN BRI	•
	Hardware Echo Cancellatior	n:		
	BRI Settings:			
	Type of Port 1:	•		
	Type of Port 2:	-		
	Type of Port 3:	-		
	Type of Port 4:	•		

You need to configure the type of 4 ports after ISDN BRI module type is selected. The type of ports include: TE_PTP, TE_PTMP, NT_PTP $_{\circ}$

If you purchased and installed Hardware Echo Cancellation Module, please check it here.

8.4 Data Storage

When you need mass storage of recording files, voicemails, call logs, etc, you can upload these files to FTP server through FTP Data Storage based on the specified time frequency.

FTP Data Storage			
	Data Storage	Data Storage Log	
FTP Data Storage			
		Enable: 🗌	
	Server	Address: 192.168.1.29	_
	U	lsername: test	_
	P	assword: ••••	_
		Directory:	_
Auto	omatically upload freque	ency(day): 1 🔻	
	Time of automatical	ly upload: 00 🔻 : 00 🔻	
Forcibly uploa	d when the flash storag	je is over: 10% 🔻	
	Save	Cancel	
Status: Disabled			Upload Now

Click [System] -> [Data Storage] :

China				
Add. Chengdu, 0				
ZCO	Zy	coo	Co.,	Ltd.

Reference

Item	Explanation		
Enable	Enable FTP Data Storage.		
Server Address	Set FTP server address (IP address or domain).		
Username	Username for login FTP.		
Password	Password for login FTP.		
Directory	Define a directory used for storage on FTP server.		
Automatically upload	Define frequency by days to upload the data.		
frequency (day)			
Time of automatically	Define the time to upload the data.		
upload			
Forcibly upload when the	Forcibly upload data when flash storage is over the		
flash storage is over	percentage value.		

Check 【Data Storage Log】:

Data Storage Log		
	Data Storage	Data Storage Log
Data Storage Log		Refresh Clear

404 Not Found

The requested URL was not found

Click 【Refresh】 to refresh data storage log. Click 【clear】 to clear data storage log.

8.5 Management

[Management] is used to modify password of CooVox system, and the settings of system voice.

China				
Add. Chengdu, C				
ZYCOD	Zy	coo	Co.,	Ltd.

Click [System] -> [Management] :

Change Password			
Password: New Password: Retype New Password:			
Apply			

Set Language			
Set Voice Language: English *			
Save			

8.6 Backup

Click [System] -> [Backup]

Backup				
	Backup	Upload Bac	kup File	
List of Backups		Take a B	ackup	
Name		Date	0	ptions
1 backup_2015jun:	16_152241	Jun 16, 2015	Restore	Delete 🔀

Reference:

Item	Explanation	
Take a Backup	Take a backup of the current system configuration.	
Restore	Restore system to the specified backup configuration.	
Delete	Delete specified backup file.	

Click the download button "

Click 【Upload Backup File】 to upload the backup file here.

China Add. Chengdu, China. Tel. +86 2885. ZYCO Zycoo Co.,		, UAE. Tel. +971 43552755	UK Add. Doncaster, UK. Tel. +44(0)1302773162 E-mail. zycoo@zycoo.com
Upload Backup File			
	Backup	Upload Backup	File
Upload Backup File			
Note: Don't change the backup file name.			
Please choose file to upload: Choose file No file chosen			
Upload			

Click [browse] to select the local backup file, and click [Upload] to upload the backup file to system.

8.7 Reset & Reboot

If you need reset the system to factory defaults or reset, please click [System]->[Reset & Reboot]:

Reset & Reboot		
Factory Defaults		
Warning:All the configuration data will be lost when the system is reset to factory default. Please confirm that you have already backed up the configuration before reset.		
Factory Defaults		
Reboot		
Warning: Rebooting the system will terminate all active calls!		
Reboot		

Click 【Factory Defaults】 to reset the system to factory defaults. Click 【Reboot】 to reboot the system.

8.8 Upgrade

8.8.1 WEB Upgrade

Click [System] -> [Upgrade] -> [WEB Upgrade] :

162
om

Upgrade

Upgrade System Package		
	WEB Upgrade OTFTP Upgrade	
	Restore Default Set:	
	Please choose file to upload: Choose file No file chosen	
	Upload	

Click [Browse] to select the firmware file, then click [Upload] to upload the selected firmware to system and finish the upgrading automatically.

If check [Restore Default Set], the system will clear all the configuration and reset to factory default.

8.8.2 TFTP Upgrade

Click【System】->【Upgrade】->【TFTP Up	lpgrade】:	:
------------------------------------	-----------	---

Upgrade

Upgrade System Package			
C WEB Upgrade	TFTP Upgrade		
Restore Default Set: Enter The Package Name: <u>uIm</u> TFTP Server IP address: St	age-md5.u100		

Reference:

Item	Explanation	
Restore Default Set	System will restore to factory defaults after checking this option.	
Enter The Package Name	Enter the package name for upgrading.	
TFTP Server IP address	Enter your TFTP server IP address.	

8.9 Addons

Zycoo CooVox IP PBX has intergrated with CooBill and CooCall service. Customers can use these services by the following settings.

Click [System] -> [Addons] :

China Add. Chengdu, China. Tel. +86 2885337096	UAE Add. Dubai , UAE. Tel. +971 43552755	UK Add. Doncaster, UK. Tel. +44(0)1302773162 E-mail. zycoo@zycoo.com
Addons		
Billing License		
	Billing Enable:	
CooCall Service		
	CooCall Service:	
	Save Cancel	

CooBill is designed to integrate with our CooVox Series IP Phone Systems. Its primary purpose is to aid enterprises in managing their telecommunication billing process, and allow them to access a detailed account list of daily calls or to produce bills for customers.

CooCall App is the free softphone App based on Android and iOS to be integrated with the zycoo PBX platform.

After your CooVox has successfully upgraded, you will find that the sub-menu "License" now appears in the "System" menu:

Addons
Billing License
Billing Enable:
Download Device Info
Download
Upload License
Please choose file to upload: Choose file No file chosen
Upload

Click "Download" to download a licensing information file from your CooVox system. The file will be named license.raw

Once you have the downloaded file you need to contact ZYCOO sales who will issue you with permit license that is required to activate the billing feature on your system.

After receiving your permit license, upload it in the upload license section of the license screen.

Finally, after the upload has completed successfully, you need to reboot the system to allow the billing feature to take effect.

Click "Yes" to reboot system as below:

Settings Saved				
Upload license successfully. License will take effect after the PBX restarted. Do you wish to reboot now?				
Yes No				

Chapter 9 Operating Instructions

(Take CooVox-U50 as example)

9.1 How to connect CooVox-U50 in the Network

If your office accesses the public network through router, you can put the CooVox IP PBX behind the router. You should connect the WAN port of the IP PBX to the LAN port of the router.



9.2 How to combine two sets CooVox IP PBX in the same network

We start to combine two IP PBXs in the same network and then try to expand to different network. Combine two IP PBXs in the same LAN from the structure as below:



Register U50-B IP to a trunk of U50-A, and register U50-A IP to a trunk of U50-B, without authentication for each registration.

Configuration Rule:

- 1. IP Phone registers on CooVox-U50-A with extension number 601.
- 2. Another IP Phone registers on Coovox-U50-B with extension number 801.
- 3. CooVox-U50-A WAN IP: 192.168.1.100.
- 4. CooVox-U50-B WAN IP: 192.168.1.200.
- 5. Extension format of CooVox-U50-A: 6XX.
- 6. Extension format of CooVox-U50-B: 8XX.
- 7. All extensions on U50-A can call extensions on U50-B by 8XX format.
- 8. All extensions on U50-B can call extensions on U50-A by 6XX format.

Step1: Register U50-B IP to a trunk of U50-A

CooVox-U50-A: Click 【Basic	;]->	【Trunks】-	-> 【New	VoIP 7	Trunk 】	:
----------------------------	------	-----------	---------	--------	---------	---

	New VoIP Trunk	Х
Description:	U50-A	
Protocol:	SIP 🔻	
Peer Mode:		
Host:	192.168.1.200 :5060	
Maximum Channels*:	0	
Prefix:		
Outbound CID:		
🗌 Without Authentica	tion	
Username: U50-A		
Authuser: U50-A		
Password:		
Advanced Options		
	Save Cancel	

Step2: Register U50-A IP to a trunk of U50-B as the same way of step 1.
Step 3: Create DialRule on U50-A, and add the DailRule to the DialPlan Click [Outbound Routes] -> [DialRules] -> [New Dial Rule] :

China	
Add. Chengdu, C	hina. Tel. +86 2885337096
	Zycoo Co., Ltd.

UK			
Add. Doncaster,	UK.	Tel.	+44(0)1302773162
	E-	mail.	zvcoo@zvcoo.com

New D	DialRule	х
Rule Name: rule 1		
PIN Set:		
Place this call through:		
	»» U50-A(SIP)	
	<u>««</u>	
Available Trunks	Selected Trunks	
Custom Pattern:		
N Any d X Any d	igit from 1 to 9 igit from 2 to 9 igit from 0 to 9 umber of additional digits	
Delete digits prefix from the fro	nt and auto-add digit before dialin	g
Sav	/e Cancel	

Select the created line 192.168.1.200 to 【Selected Trunks】, custom pattern is XXX, save and activate.

Click	(DialPlans)	->	[New Dial	Plan]	:
Olion		-		I IGII	

New DialPlan		х
DialPlan Name: DialPlan1		
Include External Calling Rules ✓ Rule 1	 Include Internal Calling Rules ✓ Extensions ✓ Spy ✓ Conference ✓ Ring Groups ✓ IVR ✓ Call Queues ✓ Paging and Intercom ✓ Directory ✓ DISA 	
Save Cance	21	

Check the created calling rule, save and activate.

Step4: Create dialrule on CooVox-U50-B, add the created dialrule to the dialplan as the same way of

Step 3.

Step 5: Activate the current configuration and test:

- 1. Register IP Phone to U50-A as extension 601.
- 2. Register another IP Phone to U50-B as extension 801.
- 3. Make a call from 801 to 601, 601 rings and the call is connected.
- 4. Make a call from 601 to 801, 801 rings, and the call is connected.

9.3 How to connect two sets CooVox IP PBXs in different network?

E.g.: two sets CooVox-U50 in the internet.

Normally, the two sets CooVox-U50 are located in different place; but they are in the internet, and have public IP address.



Note: Enable NAT on Router.

For external line configuration, you must use public IP address. Take the following instructions as example:

Register U50-B IP to a trunk of U50-A with authentication. Configuration Rule:

- 1. IP Phone registers on U50-A as extension 601.
- 2. Another IP Phone registers on U50-B as extension 801.
- 3. U50-A IP:192.168.1.100.
- 4. U50-B IP:192.168.1.200.
- 5. Extension format of U50-A: 6XX.
- 6. Extension format of U50-B: 8XX
- 7. Create an extension 888 with password 123456 on U50-B.
- 8. All extensions on U50-A can call extensions on U50-B with format 8XX.
- 9. All extensions on U50-B can call extensions on U50-A with format 6XX.

For detail steps, please take chapter 8.2 as reference.

China	
	a. Tel. +86 2885337096
	Zycoo Co., Ltd.

Two sets U50 behind router

Sometimes U50 doesn't have public IP, and you have to configure port mapping for your router.



Step1: Configure the mapping rule of U50-A on the router.

U50-B is connected behind the router, registers on U50-A through internet, you need configure the port mapping of IAX2 port(4569) on the router. Then, all data received from WAN port of router(192.168.1.100:4569) will be sent to U50-A

ications 🗕							
aming	Setup	Security		plications Gaming	Administration	Status	
	Port Range F	orwarding		Port Triggerin	g UPn	P Forwarding	DMZ
PnP Forwarding							UPnP Forwarding
	Application	Ext.Port	TCP U	DP Int.Por	t IP Address	Enabled	UPnP Forwarding can be u
	FTP	21	•	21	192.168.1.0		to set up public services or your network. When users the Internet make certain
	Teinet	23	•	23	192.168.1.0		requests on your network,
	SMTP	25	•	25	192.168.1.0		Router can forward those requests to computers equ to handle the requests. If, f
	DNS	53	0	• 53	192.168.1.0		example, you set the port number 80 (HTTP) to be
	TFTP	69	0	• 69	192.168.1.0		forwarded to IP Address 192,168,1,2, then all HTTP
	finger	79	•	79	192.168.1.0		requests from outside user be forwarded to 192.168.1
	HTTP	80	•	80	192.168.1.199	✓	is recommended that th computer use static IP
	POP3	110	•	110	192.168.1.0		address.
	NNTP	119	•	119	192.168.1.0		You may use this function establish a Web server or
	SNMP	161	0	• 161	192.168.1.0		server via an IP Gateway. this format, Windows XP c
	ssh	2020	•	22	192.168.1. 235	✓	UPnP communication.Be su
	http1	8080	•	80	192.168.1.29	✓	that you enter a valid IP Address. (You may need to
	http2	8090	•	80	192.168.1.209		establish a static IP address with your ISP in order to properly run an Internet ser
	IAX	4569	•	4569	192.168.1. 21		For added security,
	IAX2	4569	0	• 4569	192.168.1.21	~	More

Now, take the web management panel of Linksys router as example.

Step2: U50 Configuration

Configure the trunk and dialplan on U50-B, register U50-B IP to U50-A, configuration is same as above, but you have to replace the public IP with internal IP:192.168.1.21.

Step3: Configure port mapping rule of U50-B on the router Configure port mapping of U50-B on the router as the same way of step1..

Step4: Connect two sets U50 and make the call

Create extension 601 on U50-A, extension 801 on U50-B, and create the correct outbound rule.



Public IP must be provided by network provider. It could be dynamic IP address, and easy to change; you can resolve this problem by using DDNS.

9.4 How to resolve the problem "one-way" audio problems

If U50 is behind router, to resolve the problem, please set up IP address as below: Click [Advanced] -> [Option] -> [Global SIP Settings] :

NA	AT Support	
		External IP:
		External Host:
	Ext	ernal Refresh(sec):
	Local	Network Address:
1.	External IP	External IP or domain to replace the device IP
2.	External Host	External domain to replace the device IP
3	External Refresh(sec)	Pofresh time, default is 10 seconds

 External Refresh(sec) Refresh time, default is 10 seconds.
 Local Network Address IP address and subnet mask needed to be converted . E.g.: 192.168.1.100/255.255.255.0

9.5 How to use Skype on CooVox-U50

9.5.1 Visit the Top-up Page

Visit the top-up page: <u>http://www.skype.com/en/rates/</u> Select subscription, payment method and enter the Skype account to top up credit.



First top up for business account must be more than €50.



9.5.2 Manage Skype Account

Sign in with your business account from https://login.skype.com,

Skype Name	Alternatively, sign in with
zycoo.com	Microsoft account
Forgotten your Skype Name?	A Messenger, Hotmail or Outlook.com account.
Password	
•••••	
Forgotten your password?	

After login, you will find the "Skype Connect" at the bottom of the "Dashboard" page. (Also you can find "Skype Connect" at the bottom of "Feature" page.

Account Balance

Your current balance is €0,30. See auto-recharge settings You have €0,00 of allocations scheduled. Review payments This is 0.00% of your current balance. Buy credit

Members Your Skype Manager has 2 members Add members

Since you last signed in No changes since you last logged in.

Still unresolved

One unresolved invite

Allocate Skype Credit to your members Set up Subscriptions for your members Set up Skype Numbers for your members Set up Call forwarding for your members Set up Voicemail for your members 10 profiles set up for Skype Connect

9.5.3 Create a SIP File

Click Skype Connect:



Some of your SIP Profiles have been suspended because your Skype Manag has insufficient credit available to pay for the channel subscription. Buy more credit and the profiles will be reactivated.

Connect your existing SIP-enabled PBX to Skype with Skype Connect. Learn more

Your SIP Profiles

Set up a SIP Profile

China	UAE	UK			
Add. Chengdu, China. Tel. +86 2885337096	Add. Dubai , UAE. Tel. +971 43552755	Add. Doncaster, UK. Tel. +44(0)1302773162			
ZYCOD Zycoo Co., Ltd.		E-mail. zycoo@zycoo.com			
Create a SIP Profile:					
Create a SIP profile Choose name 2 Set up subscription 3 Authentication					
Creating a SIP profile is as easy as three	Creating a SIP profile is as easy as three steps. Simply choose a name for your profile, purchase a channel				
subscription, and get your authentication details.					
Choose a profile name					
<u>aaa</u>	2				
For example, "New York office". You can e	dit this name later.				
Next Cancel					
Calicer					

Create a SIP account and each account has a channel, you need pay €4.95 for each channel as monthly rent. Then input the registration profile in the VoIP trunk of CooVox IP PBX and distribute money for outgoing calls.

aaa	Profile settings	
aaa	Profile name	888
Profile settings	Calling channels	Buy a channel subscription to activate this profile
Authentication details	Outgoing calls	Set up outgoing calls
Reports		To make outgoing calls from this SIP Profile you need to add Sk
« Back to SIP Profile list		You can also set up Auto-recharge so you never run out of credi call. Outbound calls to landlines and mobiles in the US* are ch: cents/min. For all other destinations see Skype's standard per rates.
		Add credit Auto-recharge settings
		S € 0.30 Add credit

When you click **Authentications details**, you will see the SIP account profile: Authentication details

aaa	Please choose the method of authentication needed for your PBX.		
Profile settings	Posictration	or, IP Authentication (2)	
Authentication details	 Registration (Username/password) 	or, iP Authentication 🧭	
Reports	SIP User	99051000142212	
« Back to SIP Profile list	Password	KK3UypyyJwr5Wm Generate a new password	
	Skype Connect address	sip.skype.com	
	UDP Port	5060	
	A SIP user is not yet registered at sip.skype.com		

Select the created line 192.168.1.200 to 【Selected Trunks】, custom pattern is XXX, save and activate.

For any questions or problems during installation and use, please feel free to contact our technical support via email: <u>support@zycoo.com</u> or phone : 0086 28 85337096.