ZYCOO Certified IP Telephony Associate

CooVox Series IPPBX

Presenter: Emily Luo







PART 01

Products Overview







4FXO



2GSM



4BRI



4FXS



2FXOS



4GSM



1E1/T1



1GSM



2WCDMA



4WCDMA





Foreign Exchange Office



2FXO – 2xRJ11 FXO Interfaces for PSTN



ZYCOD

ZYCOO Co., Ltd.

Foreign Exchange Subscriber

2FXS – 2xRJ11 FXS Interfaces for analog phones or fax machines











FXS





FXOS – 1xRJ11 FXO Interfaces for PSTN

1xRJ11 FXS Interfaces for analog phones or fax machines









GSM



Frequencies : 850/900/1800/1900MHz





ZYCOO Co., Ltd.





Working Frequencies : UMTS/HSDPA: 850/1900MHz GSM/GPRS/EDGE: 850/900/1800/1900MHz





ZYCOO Co., Ltd.



E1/T1



>E1 PRI or T1 Digital Trunk Interface(RJ48)







CooVox-U20



CooVox-U60











	Capacity	y & Facilitie	S	FXOS	2FXS
Concurrent Calls	Max.15	СРU	1GHz Dual Core A7 Processor	and sha	
Extensions / Users	Max.32	RAM	512MB DDR3	A CONTRACT	
Voicemail &	150hrs	Storage	16GB SD Card	2FXO	1GSM
Recordings					
Conference Attendees	15	USB	FAT,FAT32,EXTFAT,NTFS,EXT3,EXT4		
VoIP Trunks	Unlimited	Telephony Interfaces	2*RJ11 Interfaces (FXO/FXS); 1*GSM (Optional)		
IVR	Unlimited				









Notice:

RST button can be used to reset all configurations or reset whole IPPBX SD card file system.

While system is running, hold the RST button for 6-8 sec, release the button will reset all configurations.

When the device is power off, press the RST button then plug power cord in, hold the RST button for 6-8 sec until the SYS led goes on, it will reset the whole system. Wait around 8 mins, system will bootup.



Capacity & Facilities

Concurrent Calls	Max.30	СРՍ	1GHz Dual Core A7 Processor
Extensions / Users	Max.100	RAM	1GB DDR3
Voicemail &	150hrs	Storage	16GB SD Card
Recordings			
Conference	30	USB	FAT,FAT32,EXTFAT,NTFS,EXT3,EXT4
Attendees			
VoIP Trunks	Unlimited	Telephony Interfaces	Max.8*FXO/FXS/GSM/WCDMA
IVR	Unlimited		













Notice:

USB port is used for USB data storage. CONSOLE port is used for debug purpose. RST button is the same usage as U20.







	Capacity	y & Facilitie	S
Concurrent Calls	Max.60	CPU	2.41GHz Dual-core Intel Processor
Extensions / Users	Max.200	RAM	2GB DDR3L
Voicemail &	150hrs	Storage	16GB EMMC
Recordings			
Conference Attendees	60	USB	FAT,FAT32,EXTFAT,NTFS,EXT3,EXT4
VoIP Trunks	Unlimited	Telephony Interfaces	24*RJ11 Interfaces (FXO/FXS)
IVR	Unlimited		









Notice:

Power button is used to reboot the system.

USB port is used to connect USB keyboard for debug purpose and USB storage.

Audio In/Output interfaces are reserved.





Capacity & Facilities

Concurrent Calls	Max.60	CPU
Extensions / Users	Max.200	RAM
Voicemail & Recordings	150hrs	Storage
Conference Attendees	60	USB
VoIP Trunks	Unlimited	Telephony
IVR	Unlimited	Interfaces

2.41GHz Dual-core Intel Processo

2GB DDR3L

16GB EMMC

FAT, FAT32, EXTFAT, NTFS, EXT3, EXT4

8*FXO/FXS/GSM/WCDMA/

2*E1/T1/ 4*BRI



























Model	Recommended Deployment	Analog Extensions
CooVox-U20	2 units	2*16=32 sets
CooVox-U50	6 units	6*16=96 sets
CooVox-U60	12 units	12*16=192 sets
CooVox-U80	12 units	12*16=192 sets
CooVox-U100	31 units	31*16=496 sets









Model	H81/H81P	H83
Screen	128*48 dot-matrix with backlight	2.8 inch (320*240) LCD color-screen
SIP Lines	2	4
Handset	HD Handset	HD Handset
Hands-free	HD Hands-free Speaker & Microphone	HD Hands-free Speaker & Microphone
РоЕ	802.3AF POE Class 1 Enabled (H81P)	802.3AF POE Class 1 Enabled
DSS Keys	ΝΑ	8 Keys mapping to Virtually 28 DSS Keys





PART 02

Basic Setup





Access your CooVox IPPBX





Access the CooVox IPPBX

What if I can't access the default IP address?

Easy way

Step-1: adding the network segment to your local computer. For example: 192.168.10.1
Step-2: connect the IPPBX with your computer.
Step-3: access the system using default LAN port.
Step-4: Modify Network settings.



Default:

WAN port : 192.168.1.100

LAN port : 192.168.10.100







O Privacy error X +			
C A Not Secure 192,168,17,10		x 🖪 🖲 🖬 🕸 🚯	
os 🔹 Bookmarks 🍠 Khan Academy ch #1117cc	Color Hex 🔲 Columbia Memori	E Other Bookmarks E Reading	
	Your connection is not private Attackers might be trying to steel your information from 192.168.17.10 (for example, passwords, messages, or credit cards). Learn more NET:ERR.CERT.AUTHORITY.INVALID		
	C To get Chrome's highest level of security, turn on enhanced protection		
	Advanced Back to safety	ΖζΟ	
Defau	ult Login credential:		



Copyright @ 2017-2019 ZYCOO. All Rights Reserved.

Username: admin **Password:** admin





Path: System -> Network -> Network Profiles

ZYCOD	User Name: admin	Current Time:	2021-06-05 17:34:20					8
Search	Network Profiles	IPv6	Local Domain Name Service	VLAN	VPN	Static Routing	DHCP Server	DDNS
Status 🤇	WAN							
Telephony <								
Reports (N	etwork Mode 😡	Static IP					
System ~		IP Address	192.168.17.10					
Storano		Netmask	255.255.255.0					
Region and Time		Gateway	192.168.17.1					
Network	3	Primary DNS	8.8.8.8					
Security Center	Alto	ernative DNS	114,114,114,114					
Email Services	Ena	ble Virtual IP 😡	Off					
Web Access			Sava					
Maintenance <			(Sectores					
Addons (LAN							
	LAN							
		IP Address	192.168.10.100					
		Netmask	255.255.255.0					
	Ena	ble Virtual IP 😡	Off					
			Save					

Setup Modules

Path: *Telephony -> Preference ->Module Settings*

etern	Global PEX Options	VeiP Advanced		Analog Settings	Voicemail Settings	Module Settings		
н т								
10000	Stort							
phagy 1	Module Type	PX5/7X0/02M/WEDMA						
mine .		E					Paboat	
and Circles .	Slot2						Reboot	
H Liferary and all systems	Module Type	21071	•				System reboot required!	
WINDOWS	E1/T1 Settings:							
01: S	Miccle	[.et	•					Cancel
aast (s.	Clocking Source Ø	1	٠					
nerverse A	Overlap Dial							
ien (Signaling	075						
	Enuming	Cos						
	Coding	+083						
	CRC4	Cin .						
	Diat Plan							
	Local Dial Play							

Module slots are defaulted in the 'FXS/FXO/GSM/WCDMA' option.

Manually change the Module Type if you are using a BRI/PRI module.



Setup Modules

Check module status under path: *Status -> Switchboard -> Trunks*

ביכסס	User Name: admin	Current Time: 2021-06-05 17:54				86
(MOLINE)	abc	Client Mode	192.168.18.251	0.000	Rejected	
12fffren	coocenter	Client Mode	192.168.18.186	0.000	Unneglatered	
Status 👻	tocallcenter	Client Mode	192.168.11.66	2.827	Registered	
Dashboard	toipaudiocenter	Client Mode	192.168.11.109	1.864	Registered	
Switchboard	www	Server Mode		0.00	Unregistered	
Telephony 😪	5 Total					
Inbound Control	IAX Trunks					
Audio Library	Trunk Name	Туре	Server Address	Reachability(Millisecond)	Status	
Advanced Feat	No items to display.					
Feature Codes	0 Total					
Reports C						
System <	Analog Lines					
Maintenance	Port	Туря	BLF	Status	Channel Status	
Manual and a second second	1	FXO	001	Connected	idle	
Addons	2	FXO	002	Connected	Idle	
	3	FXO	003	Connected	Idle	
	4	FXO	004	Connected	idle	
	5	FXO	005	Connected	idle	
	6	FXO	006	Connected	idle	
	7	FXO	007	Connected	Idle	
	8	FXO	008	Connected	Idle	
	8 Total					



Register IP Extensions

Path: *Telephony -> Extensions -> IP Extensions*

0	epartments	IP Extensions		Analog Extansiona	Phone P	novisioning	Expan	lon Box				
	The sec Burt Disk	Colore Selected Do	NAME AN									
form(%)	ntecOspanzae Q						Per Page	10				
D Yarre	Econsign Netti	ter Outbound OID 1 0	Outboard CID 2 0	Department Name	Quick Register Code Q	Dial Permission	Options	QR Code O				
0 100	100				328	DislPlant						
0 101	101				632	Dia/Plan1						
0 Salecter	(7.2.705a)											
- 4								Add				
								User F	Profiles Features	Advanced		
								-				
									Enable 🧿	On		
									Enable 🛛	On	Mobile Number	
									Enable 🥥 Extension Number 🧿 Name	On 102 102	Mobile Number Dial Permission 📀	DialPlan1
									Enable O Extension Number O Name Password (Strong) O	On 102 102 Cth30LeE*t	Mobile Number Dial Permission Language	DialPlan1 English
									Enable O Extension Number O Name Password (Strong) O Email O	On 102 102 Cth30LeE*t	Mobile Number Dial Permission Language Music On Hold	DialPlan1 English default
									Enable Extension Number Name Password (Strong) Email Outbound CID 1	On 102 102 Cth30LeE*t	Mobile Number Dial Permission Language Music On Hold Outbound CiD 2	DialPlan1 English default
									Enable Extension Number Name Password (Strong) Email Outbound CID 1	On 102 102 Cth30LeE*t	Mobile Number Dial Permission Language Music On Hold Outbound CiD 2	DialPlan1 English default





Path: *Telephony -> Outbound Control -> Dial Rules*

2	ZYCOD	User Name: admin	Current Time: 2021-06-05 (05:42		× •
٩	Search	Trunks	Dial Rules	Dial Permission	Outbound Fax	PIN Sets
ß	Status × Dashboard Switchboard	Add Dial Rule Name Prepend	d Dial Prefix Dial Patt	ern Outbound CID Trunks		Options
¢	Telephony 💙	No items to display.				
	Extensions Inbound Control	0 Total				
C	Outbound Cont					
	Audio Library					
	Preferences					
	Feature Codes					
lett.	Reports <					
Ш	System <					
۰	Maintenance <					
6 -	Addons <					



Outbound Calls - Dial Rules

Add		×	Add	
Dial Rule Name			Dial Rule Name	Dem
Dial Pattern			Dial Pattern	
Time Rules <table-cell></table-cell>	None v		Time Rules 😣	None
Prepend 😨			Prepend 😡	
Dial Prefix 📀			Dial Prefix 📀	
Dial Pattern 0			Dial Pattern 😧	xx.
PIN Sets 🕄	None		PIN Sets 😧	None
Outbound CID 🕜	Outbound CID 1		Outbound CID 😧	Outb
Call Time limit(Sec) 📀	60-3600		Call Time limit(Sec) 📀	60-3
Via Trunk/Trunks			Via Trunk/Trunks	
Call Method 📀	Linear 👻		Call Method 😡	Linea
Available Trunks PRI-1 test	Selected Trunk	15	Available Trunks test	ļ
	Cancel	Submit		

>oTest ound CID 1 600 E. Selected Trunks PRI-1 2

Cancel

Dial Pattern

X -> any digits between 0-9
N -> any digits between 2-9
Z -> any digits but not zero
. ->wildcard any digits & letter
[] -> match one digit in the []

XX. => The number that is starting with 2 digits and it has to be at least 3 digits/characters long.

The 'Dial Rule Name', 'Dial Pattern', and 'Selected Trunks' are required to fill out for each dial rule.



Outbound Calls – Dial Permission

Path: Telephony -> Outbound Control -> Dial Permission

	ZYCOD	User Name: admin	Current Time: 2021-06-0	5 05:50		X 🖸
Q	Search	Trunks	Dial Rules	Dial Permission	Outbound Fax	PIN Sets
8	Status ~ Dashboard Switchboard	Add Dial Permission Name	Dial Rule	es included	Options	
	Telephony Y Extensions Inbound Control	1 Total				
	Audio Library Advanced Feat Preferences Feature Codes					
يل E	Reports < System <					
¢ *-	Maintenance < Addons <					



Outbound Calls – Dial Permission

Add			
Dial Permission Name	TESTING		
Dial Rules	Available Rules		Selected Rules
	eee emily	≓	
Internal Dermissions			
Extension	On	Paging & Intercom	On
Department	On	Call Parking	On
Conference	On	Call Pickup	On
DISA	On	Call Queue	On
Feature Codes	On	Call Spy	Off
IVR	On	Seize CO Line	Off
Audio Console	Off		
			Cancel

D

Path: Telephony -> Extensions-> IP Extensions -> Select the extension -> Edit

	Departments	IP Extensions	An	alog Extensions	Phone	Provisioning	Expansi	on Box			
Calif		Dills Fill	Delete All								
				Succession and succession of							
-		Export Guick Register Cook	caport extension (Import Extension							
Fram FL AU	seyNumber/Dep		Outburget (10.1.0	Providence to Marco	O dala Basalana Care C	Olal Develation	Per Page	10 -			
CI NS	ane	caterision NumbiOutbound CiD 1 0	Outbound CID 2 V	Department Name	WHICK Hegister Code 4	Dial Permission	Options	2K Code Ø			
0 16	01	101			509	DialPlant					
口 10	02	102			547	DialPlan1					
□ 1	03	103			223	DialPlant					
0.10	0.4	104			859	DialPlant					
LJ 10	05	105			298	Edit 100					
11 10	06	106			404						
0.10	07	107			246	User Profiles	Features	Advanced			
U 10	08	108			322			_			
	09	105			882		Enable	9 On			
0.1	10	110			941		Name	100		Mobile Number	
0 Sele	ected / 20 Tota	C.					Hame	100			2
						Passy	word (Weak)	123456		Dial Permission 🕢	DialPlan1
							Email	0		Language 😧	English
						0.1	hoursd CID 1			Outbound CID 2 O	
						Out	bound Cib T			Outbound City 2	
						Mu	isic On Hold	default	•		
											Cancel

Inbound – Inbound Routes

Path: *Telephony -> Inbound Control -> Inbound Routes*

ZYCOD	😑 🛛 User Neme: admin	Current Time: 2021-06-05 19:02				X 💌		
	IVR C	Call Queue Time Conditions	Inbound Routes	Direct Routing	Inbound Fax	Blacklist		
	Office Closed Q							
	1.71.797.096246-5 ⁴ .7	Office Closed Destination 0	· [emr(2600)					
Inbound Control		Status Disabled						
Auto Lovery		0.6mil					Setting the inbou	nd
							5	
	Trunk Name	Destination Type	Indocunal Dealmation	Distinctive Ringtone	Optiona		destination for th	e trunks.
	C test	IVE	eee[0600]					
	□ P8I-1	IVR	eee[0600]					
	0 Selected / 2 Total							
	-			1				
				Edit test				×
						IVR		
				Inbound	Destination 🕜	Voicemail	101[101] -	
				Distinct	ive Ringtone 🔞	Trunk		
						Conference	P	
				-		Queue		
						DISA		Cancel Submit
						Hangup		
					Destin	a None	Inbound Destination	Distinctive Ringtone
						Time Rules		





PART 03

Advance Setup



Direct Routing

Path: Telephony -> Inbound Control -> Direct Routing

What if you are using an E1/T1 trunk with 20 lines? All calls go to Ex101?



Using the DID numbers to set



Path: *Telephony -> Inbound Control -> IVR*

Z			User Name: admin	Current Time: 20	21-06-05 19:23						X 🖸			
a,			IVR C	all Queue	Time Conditions	Inbound Routes	Direct Routing	Inbound F	ax	Blacklist	3			
6	Statua 🗠		Add											
			Name	Number		Voice Prompts	Dial Permission	Options						
	Telephony ~		000	0600		closed_cn	Extension					Unlimited I	ayers	
			1 Total				Add							
	Outbound Control	1	0.000				Add							×
								Name	TESTING			Number 😡	0601	
							Vo	ice Prompts 🛛	welcome			Loop Count Q	1	
										-				
	Heports S						Di	al Extension 🛛	Un			Dial Permission 📀	Extension	~
								Language 🛛	Default		•	Press Key Timeout(s)	3	
	Maintenance S							Events 🛛						
•									Invalid Key		Hangup	-		
									No Press		Hangup	*		
									Press 0	•	Extension	▼ 102[102] ▼		
									Press 1	•	Extension	✓ Please Selec★	8	
													+	
													Cancel	Submit
													· · · · · · · · · · · · · · · · · · ·	



IVR Prompts

Path: Telephony -> Audio Library -> IVR Prompts

Music On Hold	IVR Prompts		Other Custom Prompts	
VR Promote Q Lindows Descript				
File	Format	Play O	Options	
n 🔁 otoeed	WBV		(*)	
3) closed_cn	wav		💌 💷	
St welcome	wav		🔸 🔳	
D welcome_on	wav	1 (Sec.)	💌 💼	
4 Total				
				_
	Record	ł		
	Record	d File Name	hola_mi_amigos	
	Record	d File Name	hola_mi_amigos	
	Record	d File Name Extension	 hola_mi_amigos 103[103] 	
	Record	d File Name Extension	 hola_mi_amigos 103[103] 	▼
	Record	d File Name Extension	 hola_mi_amigos 103[103] 	•

Option-1: upload IVR prompts from local.

Option-2: record IVR prompts by using an extension.

Х





Call Queue

Path: Telephony -> Inbound Control -> Queue

ZYCOD	-	User Name: edm	m Current Time 2	021-06-06 19:19	1 Jam			X R			
		IVR	Call Queue	Time Conditions	Inbound Routes	Direct Routing	Inbound Fax	Blacklist			
	1	Add									
		Call Queue Name		Quality North	bar	Options					
		***		0300							
Intround Control	μ.	1 Totel									
							Add				×
							General Settings	Advanc	ed Settings	Announcements	
						1					
							Call Qu	eue Name			
							Queu	ie Number 😡	0301		
							Rin	g Strategy 🕑	Ring All	•	
							Musi	ic On Hold 🛿	2	•	
							Age	ent Penalty 📀		Off	
							Sta	tic Agents 💡	Select User		Auto receive calls
			Call Queue (0			Dynan	nic Agents 😡	Select User		Need to manually logi
			Agent Logir	1		62					
			Agent Logo	ut	*0	62	Destination if	no answer	Hangup	•	
			Agent Paus	e		95					
			Agent Unpa	iuse	*0	95					Cancel Submit

D

Time Conditions

Path: *Telephony -> Inbound Control -> Time Conditions*

User Name: admin Current Time: 2021-06-05 19:25	t Dautian inheund I				
TVR Call Queue Trine Conditions Incound Routes Direct	r Houting Inbound P	ax plackist			
Time Rules O Add					
Name	Option		Se	t up:	
技术支持	2			•	
1 Total			1.	Wee	ekdays
Weekdays 0 Ada			2	പപ	dave
Name	Option	s	۷.	1101	luays
default office time			3.	Rule	es
2 Total					
Hotdays O					
Name					
hol	Add				
866		Name	1		
2 Total		Weekdays 😧	i i	•	
		Business Hours 📀	1	•	Please Select -
		Non-business Hours ()		•	Please Select 👻
		Helidaus	None	12.1	
		nondavs ur	CHOICE .	-	

Call Forward

Path: Telephony -> Advanced Features -> Call Forward

User Name: admin Current Time: 2021-06-05 19:36			18 (•)		
Call Forward Follow Me Wake Up Call	Conference DI	SA Paging & Intercom	0		
Advanced Options					
Notify Callet before Forwarding Q	n				
Save	_				
			_		
Add Activate Selected Deattivate Selected Delete Selected	Delete All	Ballance .			
C) Extension Number Forward Type C Destination	(imebot(sec)	Cipbana			
100 Perward All 2222	.0	On On			
0 Selected / 1 Total					
	Add				
	nuu				Eorward All
			101(104)		✓ Forward On
		Extension Number	101(101)	•	Forward Who
		Forward Type 😯	Forward On Busy	•	No Answer a
		Destination 📀	123456789		
		Paral Para	0.0		
		Enable			
	Call Forward Follow Me Wake Up Call Advanced Options Notify Caller before Forwarding ()	Call Forward Follow Me Wake Up Call Conference Display Advanced Options Image: Selected Options Off Image: Selected Options Image: Selected Options Add Activate Selected Options Options Selected Options Options Off Image: Selected Options Add Activate Selected Options Options Selected Options Timeout(Sec) Into Extension Number Forward XI 2222 0 Into Selected / 1 Total Add Add	Call Forward Follow Me Wake Up Call Conference DISA Paging & Intercom Advanced Options Image: Call Content of Call	Call Forward Follow Me Wake Up Call Conference DISA Paging & Intercom Advanced Options Image: Caller before Forwarding @ Image: Caller before Forwarding @ Image: Caller before Forward Ing @ Image:	Cell Forward Follow Me Wake Up Cell Conference DISA Paging & Intercom Advanced Options Notify Caller before Forwarding @ Off Sales Idd@ Advanced Options I b0 Forward Type @ Destination I b0 Forward All 2222 I b0 Forward All 2222 I b0 Forward Type @ Forward Type @ Forward Type @ Forward On Busy Opsignation @ I b10 I b2466789 I b2466789



Follow me

Path: Telephony -> Advanced Features -> Follow me

	ZYCOD	=	User Name: admin	Current Time: 2021-06-05 19:3	9				X 🖸	Forward a call to multiple
۹	Rearch		Call Forward	Follow Me	Wake Up Call	Conference	DISA	Paging & Intercol	m O	destinations and dial the
6	Status 👻		Configure							number one by one in the
	Geshboard Switchboard		uniona voc	Always Take Call 📀	Qn					follow-me list
s.	Telephony 💙			Record Caller Name 💿	Off					
	Extensions Inbound Control				Save					
	Outbound Cont		-			Add				
C	Advanced Feat_		Add Extension Number		Ring Duration(Sec)	T.C.				
	Preferences Feature Codes		No items to display.				Extension Number	101[101]		~
586	Reports <					-	Ring Duration(Sec) 😡	30		
ця.	System <		U lotai			-				
۰	Maintenance ^K						Follow Me List 😡	123	30(Sec)	
*	Addons C							234	30(Sec)	
						2		345	30(Sec)	
							Number		Timeout(Sec)	0 30 +
										Cancel Submit



Path: Telephony -> Advanced Features -> Paging & Intercom

	ZYCOD	=	User Name: admin	Current Time: 2021-06-05 19:41					8
9			Call Forward	Follow Me	Wake Up Call	Conference	DISA	Paging & Intercom	•
			And						
			Name	Group Number	- 54	ode	Options		
			ece	0500	Di	plex			
	Extensions Indound Control		1 Total						
		-							_
	Audia Library Advanced Feat								
	Preferences								
	Reports <						Add		
								Group Number 💡	0501
								Name	1
								Mode 0	Duplex
									1
								Group Members 🕤	101[1

User can register other SIP-enabled devices such as SIP speaker to the CooVox IPPBX and achieve the paging and intercom purpose.



V



Path: Telephony -> Advanced Features -> Whitelist

	ZYCOD	User Name: admin	Current Time: 2021-0	6-05 19:43			× •	Only the numbers in
0	1 Snirch	Smart D	ID	Phonebook	Callback	Whitelist	•	Only the numbers in
		Add	(Nonlogi Litt O)			Ontions		the whitelist are able to
4		ece	2222					the extension.
		1 Total	24872					
	Outbound Cont Audie Elbrary Advanced Feat					Add		>
	Protoresces Feature Codes							
							Name	Emily's whitelist
	 Maintenance Addons 						1	123 234 345
						Numbe	er List 😯	456
								Cancel Submit

Х



Path: Telephony -> Extensions -> IP Extensions -> Select & Edit extension

Search	Departm	ents IP Extensions	Analog Extensions	Phone Provisioning	Expansion Box		
Statun ~ Dashboerd Switchboerd	Add Bu Send OR Cod	k Add Rills Edlt Delete Selected De Export Guick Register Code Export Exte	ete All Import Extension			the selected e	extension.
Extensions	Name/Number/	Extension Numb/Outbound CID 1 O Outbound	CID 2 0 Department Name Quick Re	rgister Code 🛛 Dial Permission Opt	Per Page 10 🔻		
fulfilliand Clint audio Library sdvenced Faat	□ 101 □ 102 □ 103	101 102	509 547 223	Edit 101			
plarences adure Codes sports <	 104 105 	104	859 298	User Profiles Features	Advanced		
sten: <	106	106	404	Voicemail 🥹	On	Voicemail Password 📀	1234
sintemance <	□ 108	108	322	Remote Extension 🥹	Of	Simultaneous Register Count	1 .
	□ 109 □ 110	109	882 941	Video Call 😡	Of	Video Codecs 🕢	H.264
	0 Selected / 20	Total		Web Portal 🥹	Of	Call Recording 🕢	Disabled
				Call Spy 9	Of	Register Expiration @	1800
				Pickup Group 🥹	1	Whitelist 😡	Vone admin 333 444



Diagnostic

Path: *Maintenance -> Diagnostic -> Ethernet Capture / Channel Monitor*

	ZYCOD	=	User Name: admin	Current Time: 2021-06-	05 20:20				X
α	Search		Ping	Trace	route		Ethernet Capture	Channel Monitor	Remote Management
Ø3	Status <		Ethernet Capture 💡						
ų.	Telephony 💙				1765330	195	1		
	Extensions			Interface	WAN	•			
	Inbound Control				Start				
	Outbound Cont	1							
	Advanced Feat								
	Preferences				C .				
	Feature Codes				Ste	eps:			
lait.	Reports <				1.	Choos	e the interfo	ace, then click on th	ne 'Start' button.
-	System <				0				
۰	Maintenance 👻				2.	Start to	o use your p	none to make the c	Call.
	Users				3.	Click c	on the 'Stop'	button.	
	Upgrade				0.				
	Backup				4.	Comm	nent the pac	cket with what Exter	nsion
	Reboot and Re				Б	Sand	is the nacks	\ +	
÷-	Addons <				Э.	sendu	is the packe	ジ Ⅰ.	





PART 02

Common Issues



Register Extensions

401 Unauthorized:

The request requires user authentication.

- Make sure the Remote Extension is ON.
- Check the Permit IP

Path: Telephony -> Extension -> IP Extensions -> Edit the extension -> Features/Advanced







403 Forbidden –

The server understood the request, but is refusing to fulfill it.

- Check the account password

404 Not Found –

The server has not found anything matching the Request-URI

- Check the account username





Register Extensions

No reply, keep trying trying and trying:

- Check the port forwarding on router . Path: *Telephony -> Preferences -> Analog Settings*

1	ZYCOD	User Name: admin Currer	nt Time: 2021-06-07 11:40		
Q	Search	Global PBX Options	VoIP Advanced	Analog Settings	Voicemai
8	Status 🗸	SIP			
	Switchboard	U.	DP Port @ 15555		
٩.	Telephony 💙	τ	CP Port 🛛 🛛 15555		
	Extensions	7	LS Port 🛛 🛛 15557		
	Inbound Control Outbound Cont	ICE	Enable 🛛 🚺 O	0ff	
	Audio Librery	RTP Por	t Range 😡 🛛 10001	- 10500	
	Advanced Feat	Use	r Agent 🗑 🛛 eyeBeam release 3004t	ste	_
	Preferences	Endoplet Identifie	order O		
	Feature Codes	Endpoint identine	r Order e [ip,username,autn_usern	am	



- Check the IP phone register port.



Can't make calls - Analog Lines

1) Make sure the analog module is workable.

Step-1

IVR	Call Queue	Time Con	litions	Inbound Routes	Direct Routing	Inbound	IVE.	Call Queue Time Canditian	inboard Rautas	Direct Rauting	interand Par	Becklat
Add						×	Office Closed @	Edit test		×.		
	Name	IVR-test-1		Number 🛛	0601	peor.		Indound Destinution 0 1/4	• Inference (DECT) •	1		
	Voice Prompts O	welcome	•	Loop Count 😡	1			Distinctive Ringtons Ø		-		
	Dial Extension O	On		Dial Permission 📀	Extension		_	_				
	Language 😡	Default		Press Key Timeout(s)	a		Chatters			Catos Sorre		
	Events 😡	Q					Otive Nets	Destrument Type	minuted Destination	Datasties Register	Options	
		Invalid Key	Hangup	•			Citeri	NR I	www.000001		2	
		No Press	Hangup	-			CIPRE-1	ME	atte:(08002)		D	
		Press 0 💌	Extension	• 100[100] •	(B)		Distantiant (Differ					
		Press 1 🔹	Extension	- 101[101] -			1 Contraction of Contraction					
					(*)							
					Cancel	Submit						

Step-2

Step-1: Create a new IVR with default Voice Prompt.

Step-2: Edit the analog trunk with the created IVR in Inbound Routes.

Step-3: Using your phone to call the analog trunk number.

Step-4: If you can' t hear the IVR audio, it means the analog module might be damage.



Can't make calls - Analog Lines

2) Check for analog settingsPath: *Telephony -> Preferences -> Analog Settings*



2) Analyze signal Path: *Maintenance -> Diagnostic -> Channel Monitor -> Capture package*

Ping	Traceroute	Ð	Ethernet Capture	Channel Monitor	Remote Management
Channel Monitor)				
	Channel	fxo-1	•		
		Start			

Can't make calls - PRI Trunks:

Outbound CID 1) Path: *Telephony - Edit the external*

ZYCOD

use have admin Danet Tree 2021-06-05 04:47

WHER W

Modules Type

Nodule type £1/11 Settings:

Mode II Dacking lawne () Overlag Dial Sprating CPE Franking

0104 Isla(Mar) Lanal Dial Plan

Ginital Pfix Options.

Śłatt.

Skirt2

	Edit 102	3
Sector States -> IP Extensions ->	User Profiles Features Advanced	
nsion -> Fill out Outbound CID	Enable O On	
	Name 102 Mobile Number	
	Password (Fair) @ 123456@a Dial Permission @ DialPlan1	•
	Email O Language O English	•
	Outbound CID 1 0 55555555 Outbound CID 2 0	
	Music On Hold default	
naersell Analog SetSings Volkartell SetSings Module SetSings	Cancel	iit
rekrwitchen +		
•		
•		
•		
	2) CDC4 are readiated	
	2) CKC4 on module	
	Path: Preterence -> Module Setting -> Slot # -> Switch CRC4 ON/OFF	



×

Can't make calls – SIP Trunks

- Outbound CID

Path: Telephony -> Extensions -> IP Extensions -> Edit the extension -> Fill out Outbound CID

asic Settings Addition	al Options		
Fax Detect O	00	Quality O	120
SATP O	0#	NAT Support O	0#
Client URI 0	sip:192.168.17.132	Transport Protocol O	UDP 👻
Server URI O	sip:192.168.17.132	Prompts Language O	English •
AOR Contact O	sip:192.168.17.132	Simultaneous Call 9	
Call Recording Ø	Disabled -	Preferred Outbound CID O	Extension 👻
From User 😧		Outbound CID O	
From Domain O	192.168.17.132	Dial Permission Q	Default ~
DTMF Mode O	AU10	Video Codeca	Nent
Send PAI	Off	Send RPID	0#
RTP Timeout Ø	60		
Available	Codec	Selected C	odec
1	GSM		Algue
	G:722	l.	Ulaw
	G.726	=	0.729
)	Sperre		
	Opus		
	AMR		

ser Profiles Features	Advanced			
Enable 🤅	On			
Name	102	Mobile Number		
Password (Fair) (123456@a	Dial Permission 🛛	DialPlan1	•
Email		Language 🧿	English	٠
Outbound CID 1	5555555	Outbound CID 2 0		
Music On Hold	default	•		

- SIP headers needed

Path: Telephony -> Outbound Control-> Trunks-> Select & Edit SIP Trunk -> Additional Options

Check on Dial Permission & Send PAI



Can't Hang-up Calls - Analog Lines

Path: Telephony -> Outbound Control -> Trunks -> Edit trunk

- 1) Check Hangup Polarity Detection
- 2) Adjust Busy Count to a smaller number







Path: Telephony -> Preference -> VoIP Advanced



When Port forwarding is involved, fill out all the External XX options on VoIP Advanced.



Thank you!

ZYCOO Co,. Ltd.

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