2.4 Making a VoIP Call

There are two modes that you could configure the gateway for making VoIP calls. One is the Peer-to-Peer mode and another is GK routed mode. The configurations and functions are different. Please make sure about the mode you want and follow up the step to configure your gateway.

2.4.1 Configure the gateway into the Peer-to-Peer mode

Configuration Menu		H323 Configuration
Network Interface	Mode:	C GK routed @ Peer-to-Peer
H323 Configuration	Gatekeeper IP:	10.1.1.2
Line Configuration	2nd Gatekeeper IP:	10.1.1.2
one Book Configuration	Default Gateway IP:	
Support Configuration	Gateway Type:	Commer C Tapping
System Configuration	Distanting Typer	
Voice Configuration	Registered Prefix:	
Phone Configuration	Linel/TEL1 Number:	
RTP Payload Type Configuration	Line2/LINE1 Number:	
IP Packet ToS	Line3/TEL2 Number:	002
DDNS Configuration	Line4/LINE2 Number:	
Prefix Configuration	Line5 Number:	
assword Configuration	Line6 Number:	
Tersion and Information	Registered Alias:	4FXO-00e792
ROM Upgrade	Display Information:	4FX0
Flash Clean	Gatekeeper Discovery:	C Enable © Disable
Commit Data		

1 Enter the H323 Configuration table and change the mode to Peer-to-Peer.

Figure 2.11: Configure the Peer-to-Peer mode

2 Press the OK button that is on the bottom of this page to save the configuration.

VoIP Gateway	Registered Alias:	4FXO-00e792
Network Interface	Display Information:	4FX0
H323 Configuration	Gatekeeper Discovery:	C Enable © Disable
Line Configuration	Gatekeeper ID:	GK ALL ALL ALL ALL ALL ALL ALL ALL ALL AL
Phone Book Configuration	Time To Live (TTL):	
Support Configuration	RTP Port:	16384
System Configuration	Gatekeeper finding port:	1718
Voice Configuration	Gatekeeper RAS Port:	1719
Phone Configuration	H225 RAS Port:	
RTP Payload Type Configuration	H225 Call Signal Port:	1720
IP Packet ToS	Destination H225 Call Signal Port:	
DDNS Configuration	Allocate Port Range Start:	2000
Prefix Configuration	Allocate Port Range End:	19999
Password Configuration	Response Timeout:	
<u>Version and Information</u>	Connection Timeout:	60
ROM Upgrade	H.235 Security Token:	
Flash Clean		
Commit Data		

Figure 2.12: The OK button

3 Enter the Phone Book configuration table and configure the name, ip address and phone number of the destination.

etwork Interface										
23 Configuration	Index	N	ame	E164	IP Addres	;	Port	D	rop	Insert
ne Configuration				ESS SN		55 251		1534376	55251	
Book Configuration				NUCESSIN						12 - 1 - 1
port Configuration										
tem Configuration										
ice Configuration										
one Configuration				四三级				家的习		
<u>TP Payload Type</u> Configuration						5				
IP Packet ToS			115-213		12052012		<u> </u>	2012/01/2		11213
NS Configuration					New R	ecord				
fix Configuration	Index	Name	E164		IP Address		Port	Drop Prefix	Insert Prefix	
word Configuration	10.5	1 STORY						 Disable Enable 	New Yer	
ion and Information	1333				Add Data	Delete Data				
ROM Upgrade				迎家迎						
STEARSANG 物										

Figure 2.11: Phone Book

[Example]

▲ VoIP Gateway Configuration Menu		A BOANS		ak - Mitawi	Pho	e Book	Ale SWA		K=)1.::	
Network Interface	8				1101	IC DOOK				
H323 Configuration	Index	г	lame	E164	IP Add	ress	Port	D	rop	Insert
Line Configuration			593	KING SERVE		7.55		11378	552530	
one Book Configuration) ANS			而这些小孩			的意			
upport Configuration					XAZ.					
System Configuration										
Voice Configuration										
Phone Configuration		STORY STORY		达学校过						
<u>RTP Payload Type</u> Configuration										
IP Packet ToS			13:517		2355			15.252		
DDNS Configuration			CV D 2 4 SUA		New	Record		20220-86 8 9	N	
Prefix Configuration	Index	Name	E164		P Address	44	Port	Drop Prefix	Insert Prefi	x File All
assword Configuration	1	test	123	-14.5-14.15	10.1.1.100			• Disable	Niceara	THE REAL PROPERTY OF
ersion and Information					Add Data	Delete D	lata			
ROM Upgrade				间际之外						N.S. EL
Flash Clean										
Commit Data										

Figure 2.12: The example of Phone Book configuration

This is the first record of Phone Book. So the index is **1** The name of the destination: **test** The E164 number (phone number) of the destination: **123** The ip address of the destination: **10.1.1.100**

4 Press the "Add Data" button when you finished, and the new table will display on the first index if you press the Phone Book configuration button.

VoIP Gateway Configuration Menu <u>Network Interface</u>					Pho	ie Book				
H323 Configuration	Index	Na	ame	E164	IP Add	ress	Por	rt I)rop	Insert
Line Configuration	1		est	123	10.1.1	100	172	:0 Di	isable	
one Book Configuration	1) Calles									
upport Configuration	1				》这样					
system Configuration	12/22		21777		REAL				1753	
Voice Configuration										
Phone Configuration	- ANTE	302		江江东	建汽油				いたち	
<u>RTP Payload Type</u> <u>Configuration</u>										
IP Packet ToS					1121521		124	NAN ZULA		
DDNS Configuration					New	Record				
Prefix Configuration	Index	Name	E164		IP Address	Port		Drop Prefix	Insert Prefix	
assword Configuration	2 7/3	a antes						• Disable C Enable	New Kar	
ersion and Information		ANA CH	12/27		Add Data	Delete I	Data	의사가공문		ALL AND
ROM Upgrade		大学公司				and a	复合的		可是这些	
Flash Clean										
Restances.										

Figure 2.13: To show the Phone Book record

5 Please Commit it and Reboot the system if the configuration is finished.

Please make sure about that the FXO port was connected with the PSTN line or the extension line of the PABX before you start to make a voip call.

2.4.2 Configure the gateway into the GK routed mode

1 Enter the H323 Configuration table and change the mode from Peer-to-Peer to GK routed. To change the GK information from your service provider (Ex: The Gatekeeper IP, Registered Prefix and Registered Alias).

VoIP Gateway Configuration Menu		H323 Configuration	T
Network Interface	Mode:	• GK routed C Peer-to-Peer	
H323 Configuration	Gatekeeper IP:	10.1.1.250	
Line Configuration	2nd Gatekeeper IP:	10.1.1.250	
Phone Book Configuration	Default Gateway IP:	x	
Support Configuration	Gateway Type:	Cotamon C Tarminol	-
System Configuration	Calculy Type	Galeway o Itinuna	
Voice Configuration	Registered Prefix:		23
Phone Configuration	Linel/TEL1 Number:		
RTP Payload Type	Line2/LINE1 Number:		
IP Packet ToS	Line3/TEL2 Number:		
DDNS Configuration	Line4/LINE2 Number:		7
Prefix Configuration	Line5 Number:		
Password Configuration	Line6 Number:	mil Index I in the second seco	
Version and Information	Registered Alias:	test	
ROM Upgrade	Display Information:	4FX0	
Flash Clean	Gatekeeper Discovery:	C Enable © Disable	
Commit Data	Gatekeeper ID:	GK MARKAR AND	3

Figure 2.14: Configure the GK info

2 Press the OK button that is on the bottom of this page to save the configuration.

VoIP Gateway	Registered Alias:	lest
Network Interface	Display Information:	4FX0
H323 Configuration	Gatekeeper Discovery:	C Enable © Disable
Line Configuration	Gatekeeper ID:	GK
Phone Book Configuration	Time To Live (TTL):	60 CARLES AND CALLES ADDR
Support Configuration	RTP Port:	16384
System Configuration	Gatekeeper finding port:	1718
Voice Configuration	Gatekeeper RAS Port:	1719
Phone Configuration	H225 RAS Port:	1024
RTP Payload Type Configuration	H225 Call Signal Port:	1720
IP Packet ToS	Destination H225 Call Signal Port:	
DDNS Configuration	Allocate Port Range Start:	2000
Prefix Configuration	Allocate Port Range End:	19999
Password Configuration	Response Timeout:	
Version and Information	Connection Timeout:	60
ROM Upgrade	H.235 Security Token:	
Flash Clean		ΟΚ
Commit Data		

Figure 2.15: Press OK to save the data

3 Press the Commit Data and Reboot System buttons when you finished the configuration.

2.4.2.1 The type in GK routed mode

There are two types in the GK routed mode you could choose. One is Gateway type and another is Terminal type. There are some different functions, applications and configurations between the Gateway type and Terminal type. In FXO series gateway, the difference between the Gateway and Terminal type is for registering on the Cisco GK. The Terminal type is needed if the endpoints want to register on the Cisco GK successfully. But all the configuration and function is the same if you set the gateway in Gateway or Terminal type. Another difference is for the one-stage-dialing function. Only the gateway type could support the one-stage-dialing function.