

IPr20 Quick Guide

The IPr20 is a 2 port FXS gateway that allow for integration of analog devices with your IP PBX.

Accessing the IPr20

- 1. Connect the WAN port of the IPr20 to your network
- 2. Log into the PBX
- 3. Navigate to Destinations=>Extensions
- 4. Click AutoDiscovery to scan your network
- 5. Search the page for the IPr20 MAC and note the IP address of the IPr20

Configuring the IPr20

Registering to the PBX

- 1. In your web browser, enter the IP address for the IPr20
- 2. Login to the IPr20

Username: admin Password: voip

- 3. Navigate to SIP=>Server
- 4. Under Primary Server Settings set the *Address, Domain Name, and Outbound Proxy IP to the IP address of the PBX
- 5. For *Port and Outbound Proxy Port enter 5060
- 6. Leave the rest of the settings at their defaults

imary Server Settings		Secondary Server Settings		
Current Server: 192.168	2.18 : 5060 ; Domain: 192.168.2.18)	(Current Server: : <mark>0</mark> ; Dom	ain:)	
* Address:	192.168.2.18 (IP or FQDN)	* Address:	(IP or FQDN)	
* Port:	5060	* Port:	5060	
Domain Name:	192.168.2.18	Domain Name:		
🗹 Send Registratio	n Request with Expire Time 3600	Send Registration	n Request with Expire Time 3600	
Outbound Proxy IP:	192.168.2.18 (IP or FQDN)	Outbound Proxy IP:	(IP or EQDN	
		,,	(in or it should	
Outbound Proxy Port	(5000~65535) ~ Ti	Outbound Proxy Port:	5082 V	
Outbound Proxy Port	(5000~65535) ~ TI	Outbound Proxy Port: ransport type Setting আচেদ	5082	
Outbound Proxy Port	: 5060 (5000~65535) ~ TI	Outbound Proxy Port: ansport type Setting UDP	5082	
Outbound Proxy Port	: 5060 1(5000~85535) ~ Tr	Outbound Proxy Port	5082	
Outbound Proxy Port RTP Port Number Setting IAT Traversal Settings O NONE O UPnP Control Po O STUN Server IP:	(5000~65535) ~ Tr (5000~65535) ~ Tr int (IP or FQDN) S	Outbound Proxy Port:	5082	

- 7. Click Save SIP Settings
- 8. Restart the IPr20 by clicking the Reset button

Configuring Users

- 1. Prior to this step, you will need to create the extensions to be used in the PBX. See the PBX user manual for steps on extension creation
- 2. Login to the IPr20
- 3. Navigate to SIP=>User 1 to configure the extension that will be assigned to the Line 1 port on the IPr20, or User 2 for the extension that will be assigned to the Line 2 port
- 4. For the Primary Server, enter the extension number for the following fields: Phone Number, CallerID Name, and User Name
- 5. For the Primary Server, the Password to be entered is the SIP password for the extension being used (found by editing the extension and clicking Advanced)
- 6. Port should be 5060
- 7. Under Supplementary Service Subscription, uncheck Enable Call Waiting
- 8. Leave the rest of the settings at their defaults for now

User 1 Configuration						
Line 1	Phone Number	CallerID Name	Port	User Name	Password	
Primary Server	8010	8010	5060	8010	•••••	
Secondary Server			5060			
Line1 AEC Control 🛛 🛛 🐱						
Line1 Gain Control						
Input Gain Control (-12 ~ 18)db 0 db						
Output Gain Contr	ol (-12 ~ 18)db	 0 db				
Supplementary Service Subscription						
Enable Call Waiting (Reject second incoming call)						
Enable Caller-ID Display						
Reject anonymous call						
Block Caller-ID in outgoing call						
Distinctive Ring Settings						
Ring1 Caller:		Ring2 Call	er:			
- Ring3 Caller:		Ring4 Call	er:			
Ring5 Caller		Ring6 Call	er			
Ding7 Coller:		Bing0 Call	or:			
Ring/ Caller:		Rings Call	er.			

9. Click Save SIP User Settings

Other Configuration

- 1. In the IPr20, navigate to CODECS
- 2. For all 5 codecs, set Silence Suppression to OFF
- 3. If you are using the IPr20 to integrate a fax machine, set the Jitter Buffer to Fixed Jitter Buffer

Audio/CODEC Configuration					
CODECS					
Selected Silence	Selected Silence Suppression				
G711U	OFF 🔽				
G711A	OFF 🐱				
G723	OFF 🛩				
G726	OFF 🛩				
✓ G729	OFF 🛩				
Packetization 20ms 💌					
Jitter Buffer					
🔘 Adaptive Jitter Buffe	r: 🛛 100ms 💌 (maximum playout delay in milliseconds)				
	40ms 👻 (minimum playout delay in milliseconds)				
Fixed Jitter Buffer:	40ms 🔜 (fixed playout delay in milliseconds)				
Automatically switch to Fixed Jitter Buffer upon fax/modem tone detection					
Save CODEC Configuration					

- 4. Click Save CODEC Configuration
- 5. Restart the IPr20

Congratulations, you have successfully configured your IPr20 to work with the PBX. Now you will be able to connect analog devices to the Line ports on the IPr20 and make calls, receive faxes, etc.