

CONFIGURANDO PONTO A PONTO GATEWAYS FXO E FXS DA REALTONE

No FXO:

Fixe o IP de uso para o equipamento.

Na aba BASIC clique na sub-aba "Network"

Exemplo:

IP Address: 192.168.1.20

Netmask: 255.255.255.0

Gateway IP address: 192.168.1.1

Welcome admin Login time: 2013-12-13 00:57:55

Basic Routing Line Advanced Status Logs Tools Info

Network | System | SIP | MGCP | FoIP | Logout

Host name	AG-VoIP-GW	Contain letter, number and "-" but must start with letter
ETH1		
MAC address	00:0E:A9:31:7A:B6	
IP address assignment	Fixed	
IP address	11.11.11.206	
Netmask	255.255.255.0	
Gateway IP address	11.11.11.2	
DNS		
Enable	<input type="checkbox"/>	
Primary server	11.11.11.2	e.g. 202.96.209.6
Secondary server		e.g. 202.96.209.133
SNTP		
Primary server	198.60.22.240	
Secondary server	133.100.9.2	
Time zone	(GMT+08:00) Beijing	

Submit



Depois clique na sub-aba SIP

Em “**Registrar Servidor**”, coloque o IP de destino para o FXS

Exemplo:

Registrar Server 192.168.1.30

Selecione a opção REGISTER BY LINE no campo Authentication Mode

Não preencha os campos para User name e Password. Deixe em BRANCO.

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Basic Routing Line **Advanced** Status Logs Tools Info

[Network](#) | [System](#) | [SIP](#) | [MGCP](#) | [FoIP](#) | [Logout](#)

Signaling port	5060	1-9999,default 5060
Auto SIP port selection	Off ▾	1-10:Local SIP port will auto select, based 5060 increasing the value
Registrar server	11.11.11.207	
Proxy server	11.11.11.207	e.g. 168.33.134.50:5060 or www.sip.com:5060
Backup proxy server		e.g. 168.33.134.53:5060
User agent domain name		e.g. www.gatewaysip.com
Authentication mode	Register by line ▾	
User name		
Password		You may obtain it from service provider
Registration period	600	15-86400(s), default 600

Clique na ABA ROUTING.

Dentro da sub-aba **Digit map**, apague todos os códigos para mapeamento. Deixe em Branco.

Logo após, o equipamento vai inserir os dígitos padrões para uso convencional. Deixe desta forma.

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Basic Routing Line Advanced Status Logs Tools Info

Digit map | Routing table | IP table | Logout

```
x.T
x.#
##
#xx
*xx
```

0-9, *, #
The numbers from 0 to 9 and the signs * and # are the permitted dialing characters

x
The x sign can match with any numbers. For example, the x sign can match with 1 or 2

.
The . sign can match with multiple values. For example, the value 1. can match with 11 or 123

T
Indicates the dialing event ends due to timeout. For example, the value x.T indicates that a subscriber dials multiple numbers and the dialing events time out. Then the system considers that the dialing events end

[]
Defines subsets of the match character. For example, the value [1-3, 5, 7-9] indicates a value among 1, 2, 3, 5, 7, 8, and 9

Submit

Na sub-aba **Routing table** adicione a seguinte regra:

```
IP x ROUTE FXO 1-4/R
```

Caso seu gateway seja de 8 ou mais portas, altere o final de 1-4/R para 1-X/R, onde X representa a quantidade de número da maior porta.

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Basic Routing Line Advanced Status Logs Tools Info

Digit map | Routing table | IP table | Logout

```
IP x ROUTE FXO 1-4/R
```

Submit Help

Clique na aba **Line**.



Em FXO phone number, preencha as contas para números de uso.

Pode ser quaisquer números, eles serão de uso para o FXS encaminhar as chamadas.

Veja o exemplo:

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Basic Routing **Line** Advanced Status Logs Tools Info

[FXO phone number](#) | [Trunk](#) | [Trunk batch](#) | [Logout](#)

FXO 1st line No.		Batch
ID1	8000	
ID2	8001	
ID3	8002	
ID4	8003	

Na sub-aba **Trunk** remova a marcação para registration. Em **Inbound Handle** marque a função Binding

Em **Binding Number** insira os números referentes as contas que usou na aba FXO phone number.

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Basic Routing **Line** Advanced Status Logs Tools Info

[FXO phone number](#) | [Trunk](#) | [Trunk batch](#) | [Logout](#)

Trunk ID	FXO-1	
Phone number	8000	Max 20 digits
Registration	<input type="checkbox"/>	
Password		Max 15 characters
Inbound handle	Binding	
Binding number	8000	Max 20 digits
<input type="checkbox"/> Polarity reversed signal detection	<input type="checkbox"/> Caller ID detection	
<input type="checkbox"/> Outbound blocking	<input checked="" type="checkbox"/> Echo cancellation	
<input type="checkbox"/> Connect signal delay(Also see " Answer delay " in page " Advanced > Trunk ")		

Vamos para a interface do Gateway FXS. Iremos repetir os mesmos passos que fizemos na aba BASIC, porém iremos agora fixar o IP que foi configurado como SERVER para o FXO interpretar.

IP Address: 192.168.1.30

Netmask: 255.255.255.0

Gateway IP address: 192.168.1.1

Na sub-aba **SIP**, iremos marcar o IP do **Register Server** com o IP do Gateway FXO

192.168.1.20

Repita as configurações do **Authentication mode**, user name e password.

Clique na aba **Routing**, apague novamente os códigos para Digit Map.

Clique em **Routing Table** e preencha com as seguintes regras.

```
IP      192.168.1.20  ROUTE FXS    1
FXS    8000  ROUTE IP     192.168.1.20:5060
IP      192.168.1.20  ROUTE FXS    2
FXS    8001  ROUTE IP     192.168.1.20:5060
IP      192.168.1.20  ROUTE FXS    3
FXS    8002  ROUTE IP     192.168.1.20:5060
IP      192.168.1.20  ROUTE FXS    4
FXS    8003  ROUTE IP     192.168.1.20:5060
```

Repare que ele encaminhará as ligações do IP 192.168.1.20 e encaminhará para a porta referente ao FXS. Receberá a discagem 8000 e direcionará para a porta 1.

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Repita o procedimento caso haja mais de 4 portas.

A screenshot of the Lojamundi web interface. The interface has a blue header with tabs: 'Basic', 'Routing', 'Line', 'Advanced', 'Status', 'Logs', 'Tools', and 'Info'. The 'Routing' tab is selected. Below the tabs, there are links for 'Digt map', 'Routing table', 'IP table', and 'Logout'. The main content area displays a table of routing entries. At the bottom of the main area, there are 'Submit' and 'Help' buttons.

IP	11.11.11.206	ROUTE	FXS 1
FXS	8000	ROUTE	IP 11.11.11.206:5060
IP	11.11.11.206	ROUTE	FXS 2
FXS	8001	ROUTE	IP 11.11.11.206:5060
IP	11.11.11.206	ROUTE	FXS 3
FXS	8002	ROUTE	IP 11.11.11.206:5060
IP	11.11.11.206	ROUTE	FXS 4
FXS	8003	ROUTE	IP 11.11.11.206:5060

Agora, clique na aba **Line**

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Marque os mesmos ramais , como já feito no FXO

Welcome admin Login time: 2013-12-13 01:14:01

Basic Routing **Line** Advanced Status Logs Tools Info

[FXS phone number](#) | [Feature](#) | [Feature batch](#) | [Logout](#)

FXS 1st line No.		Batch
ID1	8000	
ID2	8001	
ID3	8002	
ID4	8003	

Na aba **Feature**, desmarque a opção **Registration**. Repita isto para todas as linhas do seu gateway.

Welcome admin Login time: 2013-12-13 01:14:01

Basic Routing **Line** Advanced Status Logs Tools Info

[FXS phone number](#) | **[Feature](#)** | [Feature batch](#) | [Logout](#)

Line ID	FXS-1
Phone number	8000 Max 20 digits
Registration	<input type="checkbox"/>
Hot line	Disable hot line
CRBT	<input type="checkbox"/> Color ring back tone
Speed dials	<input type="checkbox"/>
Call forwarding	<input type="checkbox"/>
Forking	<input type="checkbox"/>
Release control by caller	<input type="checkbox"/> Also see " Caller release " in page " Advanced > Line "
Loop open disconnect	<input type="checkbox"/> Also see " Caller release " in page " Advanced > Line "
<input type="checkbox"/> Call waiting	<input type="checkbox"/> Call hold <input type="checkbox"/> Caller transfer
<input checked="" type="checkbox"/> Caller ID display	<input type="checkbox"/> Caller ID restriction
<input type="checkbox"/> Outgoing call barring	<input type="checkbox"/> DND(Do Not Disturb)
<input type="checkbox"/> 3-way	<input type="checkbox"/> Polarity reversed signal
<input type="checkbox"/> Maintenance	
<input type="checkbox"/> Subscribe MWI(Also see " MWI subscription " in page " Advanced > SIP ")	
<input type="checkbox"/> DDI(Direct Dialing in)	

Agora faça os testes. Se seguiu todos os passos, funcionará perfeitamente.

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