

# 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 top navigation bar includes tabs for 'Basic', 'Routing', 'Line', 'Advanced', 'Status', 'Logs', 'Tools', and 'Info'. The 'Routing' tab is active. Below the navigation bar, there are links for 'Digt map', 'Routing table', 'IP table', and 'Logout'. The main content area displays a table of routing entries:

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

At the bottom of the main content area, there are two buttons: 'Submit' and 'Help'.

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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