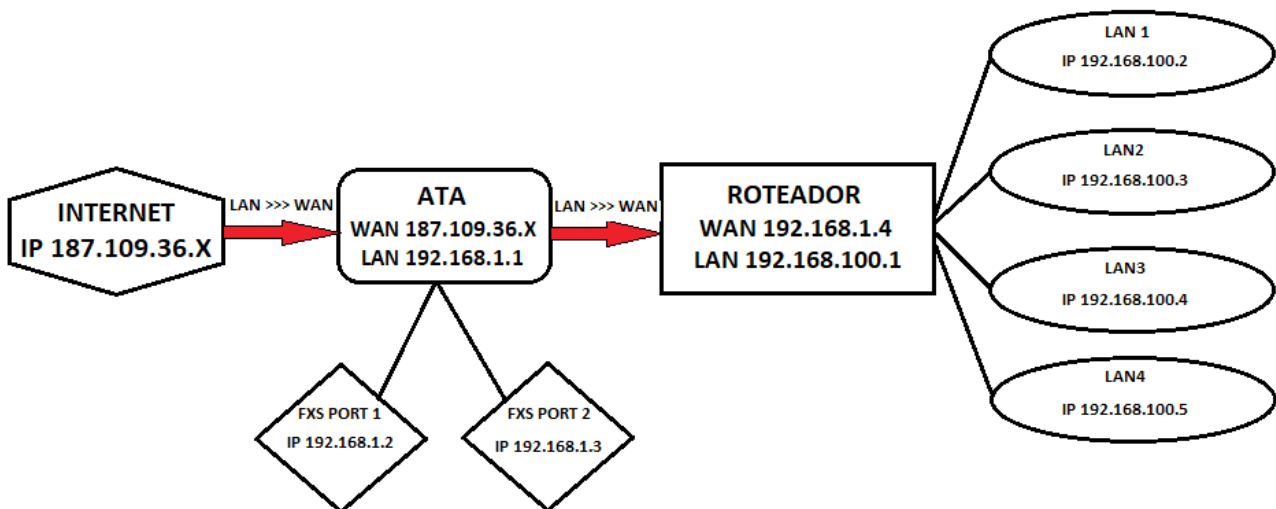


GRANDSTREAM ATA

- O ATA é um Adaptador de Telefonia Analógica para VOIP.
- Para acesso às configurações do ATA, é necessário conectar uma ponta do cabo (patchcord UTP) à porta LAN do equipamento e, a outra ponta, na porta de Ethernet em seu computador.



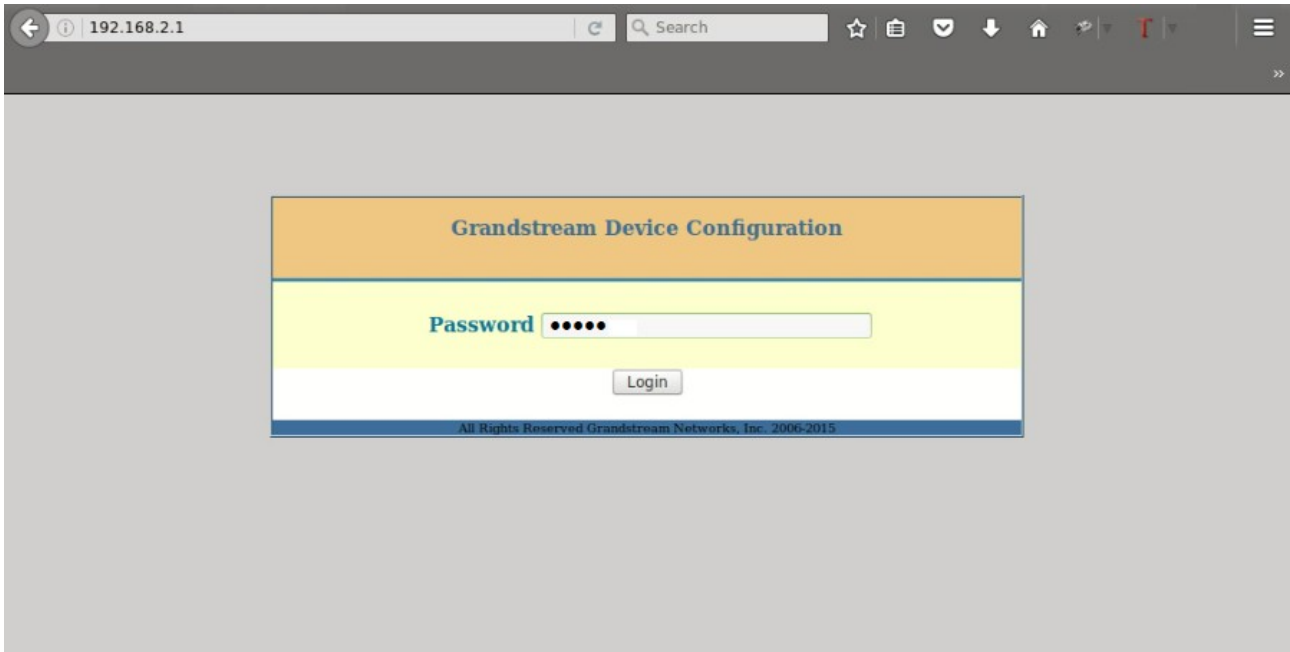
- Em ocasiões específicas, quando a conexão é autenticada no ATA antes de distribuir em um roteador, é possível acessar o equipamento utilizando o IP local do usuário seguido da porta definida na configuração do ATA. Exemplo:



- A imagem acima mostra um esquema de conexão do ATA antes da distribuição de um roteador. Seguindo este exemplo, é possível acessar remotamente o ATA do usuário digitando o IP da internet seguido da porta em seu browser. **Exemplo: 187.109.36.X:80**, onde :80 é a porta de acesso padrão do aparelho.

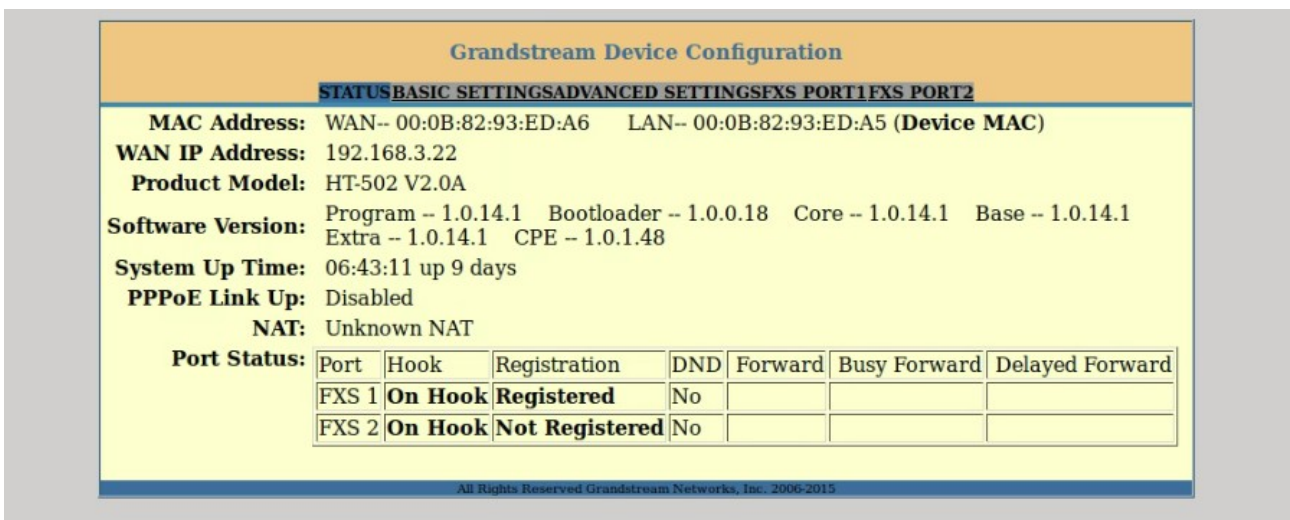
CONFIGURAÇÃO DO GRANDSTREAM ATA

1 – Após inserir o cabo na porta LAN e conectá-lo ao computador, identifique qual o Gateway Padrão IPV4 e acesse-o através do browser para que seja exibida a tela de Login do ATA.



2 – A senha por padrão é em branco, porém se o equipamento já tiver a configuração da Ultranet, a senha deverá ser solicitada no canal de suporte Ultranet (11 3544-4444).

3 – Após acessar, uma tela com a configuração atual de conexão será exibida:



4 – Clique na aba “BASIC SETTINGS”, na opção “Web Port”, mude a porta de “80” para “8080”. Na opção “IP Address” selecione o tipo de conexão que utiliza.

“*dynamically assigned via DHCP*” - para conexões com IP dinâmico

“*use PPPoE*” - para conexões que dependem de autenticação por usuário e senha

PPPoE account ID: usuario@ultranet.com.br

PPPoE password: senha do usuario

PPPoE Service Name: Ultranet

“*statically configured as*” - em conexões com IP fixo (verifique com seu provedor).

Grandstream Device Configuration

STATUS BASIC SETTINGS ADVANCED SETTINGS FXS PORT1 FXS PORT2

End User Password: (purposely not displayed for security protection)

Web Port: (default for HTTP is 80) ←

Telnet Server: No Yes

IP Address: dynamically assigned via DHCP

DHCP hostname: (optional)

DHCP vendor class ID: (optional)

use PPPoE

PPPoE account ID:

PPPoE password:

PPPoE Service Name:

Preferred DNS server: . . .

statically configured as:

IP Address: . . .

Subnet Mask: . . .

Default Router: . . .

DNS Server 1: . . .

DNS Server 2: . . .

5 – Após concluir as alterações, desça a página e clique no botão “Apply”:

Port Forwarding:

WAN port	<input type="text" value="0"/>	LAN IP	<input type="text"/>	LAN port	<input type="text" value="0"/>	Protocol
	<input type="button" value="UDP Only"/>					
WAN port	<input type="text" value="0"/>	LAN IP	<input type="text"/>	LAN port	<input type="text" value="0"/>	Protocol
	<input type="button" value="UDP Only"/>					
WAN port	<input type="text" value="0"/>	LAN IP	<input type="text"/>	LAN port	<input type="text" value="0"/>	Protocol
	<input type="button" value="UDP Only"/>					
WAN port	<input type="text" value="0"/>	LAN IP	<input type="text"/>	LAN port	<input type="text" value="0"/>	Protocol
	<input type="button" value="UDP Only"/>					
WAN port	<input type="text" value="0"/>	LAN IP	<input type="text"/>	LAN port	<input type="text" value="0"/>	Protocol
	<input type="button" value="UDP Only"/>					
WAN port	<input type="text" value="0"/>	LAN IP	<input type="text"/>	LAN port	<input type="text" value="0"/>	Protocol
	<input type="button" value="UDP Only"/>					
WAN port	<input type="text" value="0"/>	LAN IP	<input type="text"/>	LAN port	<input type="text" value="0"/>	Protocol
	<input type="button" value="UDP Only"/>					

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6 – Acesse a guia “ADVANCED SETTINGS”. No primeiro item “Admin Password”, digite uma senha para que seja exigida em próximos acessos do ATA:

The screenshot shows the 'Grandstream Device Configuration' interface with the 'ADVANCED SETTINGS' tab selected. The 'Admin Password' field is highlighted with a red box. Below it are various configuration options for QoS, STUN, and firmware provisioning.

Grandstream Device Configuration

STATUS **BASIC SETTINGS** **ADVANCED SETTINGS** **FXS PORT1** **FXS PORT2**

Admin Password: [] (purposely not displayed for security protection)

Layer 3 QoS: [26] (Diff-Serv or Precedence value)

Layer 2 QoS: 802.1Q/VLAN Tag [0] 802.1p priority value [0] (0-7)
802.1p priority value (NATed traffic) [0] (0-7)

STUN server is : [] (URI or IP:port)

Keep-alive Interval: [20] (in seconds, default 20 seconds)

Use STUN to detect network connectivity: No Yes, total STUN response misses [3] to restart DHCP (mininum=3)

Firmware Upgrade and Provisioning: Upgrade Via TFTP HTTP HTTPS
Firmware Server Path: [fm.grandstream.com/gs]
Config Server Path: [fm.grandstream.com/gs]

XML Config File Password: []
HTTP/HTTPS User Name: []
HTTP/HTTPS Password: []

7 – Após alterar a senha, desça a página e clique em “Apply” para aplicar a nova alteração:

The screenshot shows the bottom section of the configuration page. The 'Apply' button is highlighted with a red box and a red arrow pointing to it. Other buttons include 'Update', 'Cancel', and 'Reboot'.

Syslog Level: [NONE] ▾

Send SIP Log: No Yes

Download Device Configuration: [Download]

Download Device XML Configuration: [Download]

Upload firmware: [Upload from local directory]

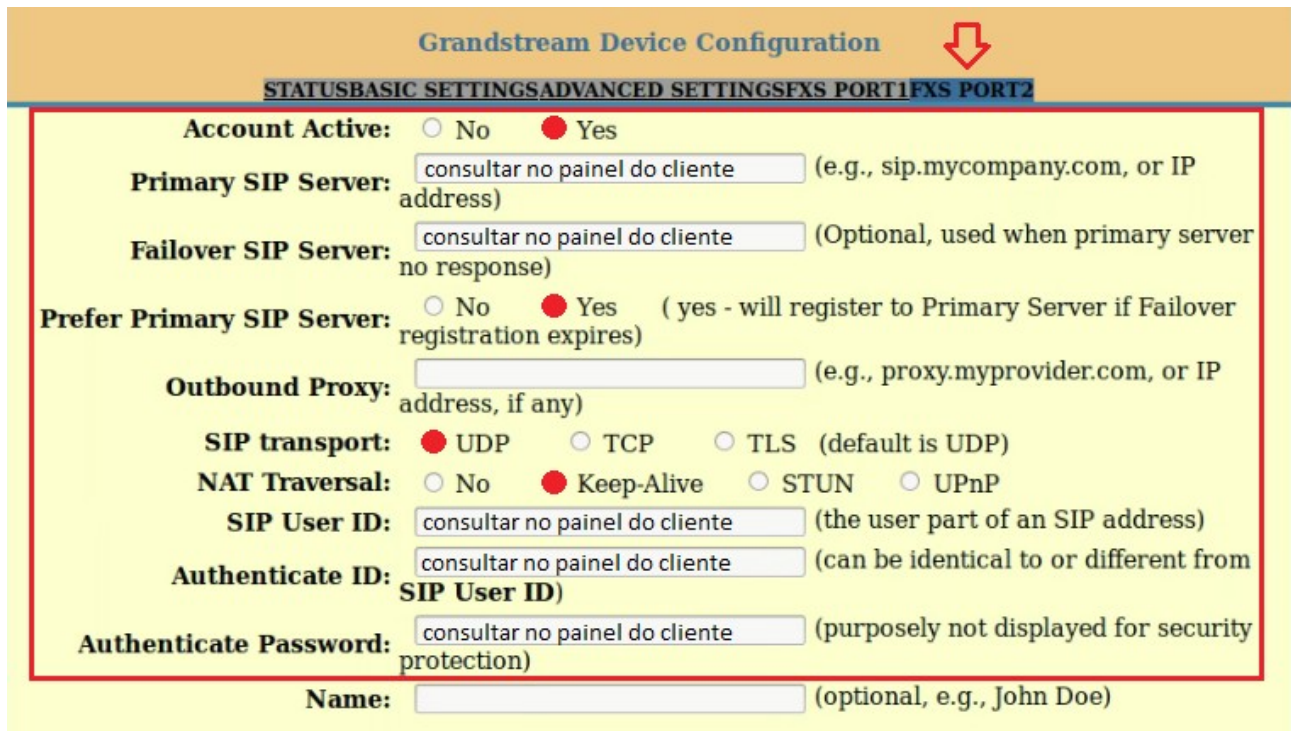
Upload configuration: [Upload from local directory]

[Update] **[Apply]** [Cancel] [Reboot]

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8 – Nas últimas guias, temos “FXS PORT 1” e “FXS PORT 2” que indicam os telefones a serem conectados. Selecione qual será utilizado para definir as configurações.

Neste exemplo, vamos usar o “FXS PORT 2”:



The image shows a screenshot of the "Grandstream Device Configuration" web interface. The page has a yellow header with the title "Grandstream Device Configuration" and a red arrow pointing down. Below the header, there are tabs for "STATUS", "BASIC SETTINGS", "ADVANCED SETTINGS", "FXS PORT1", and "FXS PORT2". The "ADVANCED SETTINGS" tab is selected. The main content area is a form with the following fields and options:

- Account Active:** No Yes
- Primary SIP Server:** (e.g., sip.mycompany.com, or IP address)
- Failover SIP Server:** (Optional, used when primary server no response)
- Prefer Primary SIP Server:** No Yes (yes - will register to Primary Server if Failover registration expires)
- Outbound Proxy:** (e.g., proxy.myprovider.com, or IP address, if any)
- SIP transport:** UDP TCP TLS (default is UDP)
- NAT Traversal:** No Keep-Alive STUN UPnP
- SIP User ID:** (the user part of an SIP address)
- Authenticate ID:** (can be identical to or different from SIP User ID)
- Authenticate Password:** (purposely not displayed for security protection)
- Name:** (optional, e.g., John Doe)

Conforme imagem acima, veja como deve assinalar seguindo este exemplo:

“Account Active” - YES

“Primary SIP Server” - consulte flecha 1 [servidor sip]. Ex: sip01.ultra.net.br

“Failover SIP Server” - repita o “Primary SIP Server”

“Prefer Primary SIP Server” - YES

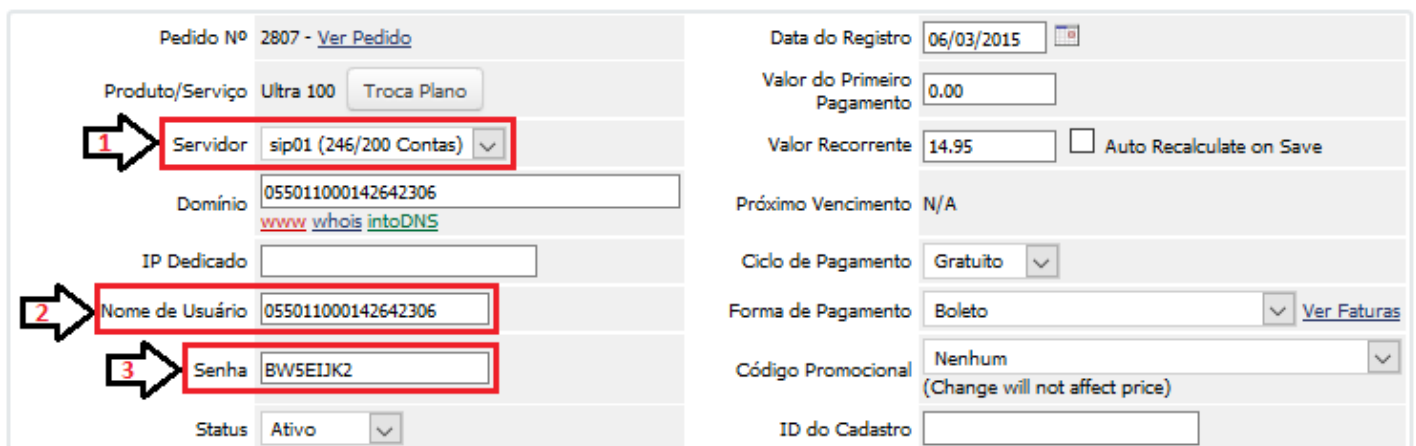
“SIP Transport” - UDP

“NAT Traversal” - KEEP-ALIVE

“SIP User ID” - consulte flecha 2 [Nome de usuário]

“Authenticate ID” - repita o “SIP User ID”

“Authenticate Password” - consulte flecha 3 [Senha]



The image shows a screenshot of a service configuration page. The page is divided into two columns. The left column contains the following fields:

- Pedido Nº: 2807 - [Ver Pedido](#)
- Produto/Serviço: Ultra 100 [Troca Plano](#)
- Servidor: sip01 (246/200 Contas) (highlighted with a red box and arrow 1)
- Domínio: 055011000142642306 [www.whois.intoDNS](#)
- IP Dedicado:
- Nome de Usuário: 055011000142642306 (highlighted with a red box and arrow 2)
- Senha: BW5EIJK2 (highlighted with a red box and arrow 3)
- Status: Ativo

The right column contains the following fields:

- Data do Registro: 06/03/2015
- Valor do Primeiro Pagamento: 0.00
- Valor Recorrente: 14.95 Auto Recalculate on Save
- Próximo Vencimento: N/A
- Ciclo de Pagamento: Gratuito
- Forma de Pagamento: Boleto [Ver Faturas](#)
- Código Promocional: Nenhum (Change will not affect price)
- ID do Cadastro:

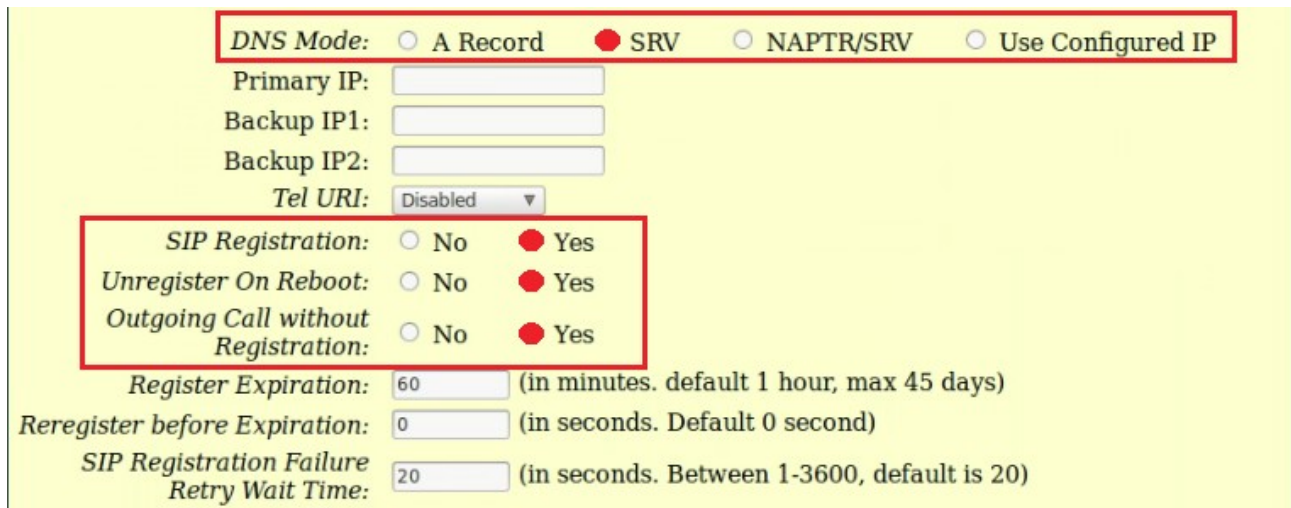
9 – Um pouco mais abaixo assinale da seguinte maneira:

“DNS Mode” - SRV

“SIP Registration” - YES

“Unregister On Reboot” - YES

“Outgoing Call without Registration” - YES



DNS Mode: A Record SRV NAPTR/SRV Use Configured IP

Primary IP:

Backup IP1:

Backup IP2:

Tel URI:

SIP Registration: No Yes

Unregister On Reboot: No Yes

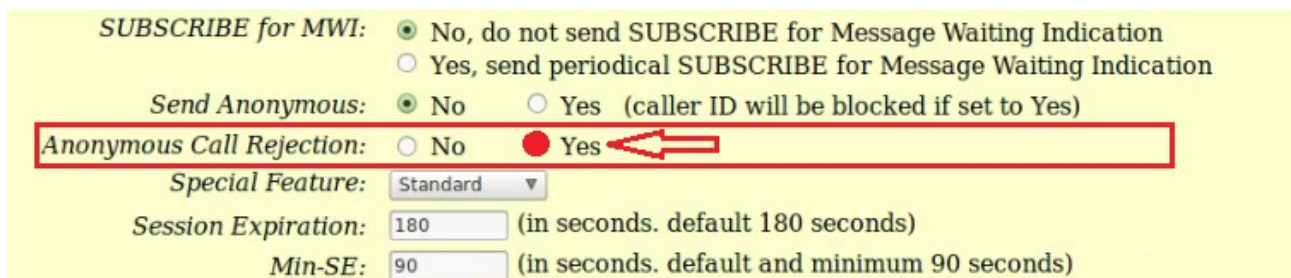
Outgoing Call without Registration: No Yes

Register Expiration: (in minutes. default 1 hour, max 45 days)

Reregister before Expiration: (in seconds. Default 0 second)

SIP Registration Failure Retry Wait Time: (in seconds. Between 1-3600, default is 20)

10 – Desça a página até encontrar a opção “Anonymous Call Rejection” e marque como “Yes”.



SUBSCRIBE for MWI: No, do not send SUBSCRIBE for Message Waiting Indication
 Yes, send periodical SUBSCRIBE for Message Waiting Indication

Send Anonymous: No Yes (caller ID will be blocked if set to Yes)

Anonymous Call Rejection: No Yes

Special Feature:

Session Expiration: (in seconds. default 180 seconds)

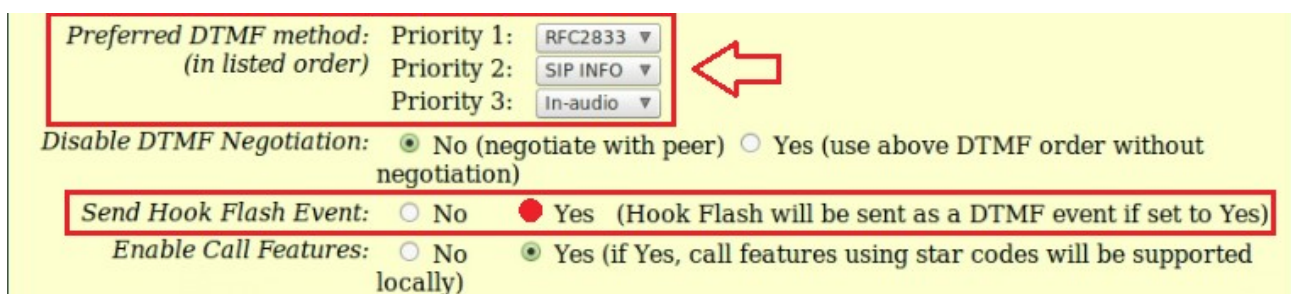
Min-SE: (in seconds. default and minimum 90 seconds)

Nota ***

Caso tenha problemas com “chamada fantasma” ou “chamadas falsas”, verifique se a opção (Anonymous Call Rejection) está marcada no ATA.

11 – Mantenha o padrão de “Preferred DTMF method” da maneira indicada abaixo.

Na linha “Send Hook Flash Event” marque “Yes”:



Preferred DTMF method: Priority 1:
(in listed order) Priority 2:
Priority 3:

Disable DTMF Negotiation: No (negotiate with peer) Yes (use above DTMF order without negotiation)

Send Hook Flash Event: No Yes (Hook Flash will be sent as a DTMF event if set to Yes)

Enable Call Features: No Yes (if Yes, call features using star codes will be supported locally)

12 – Desça até encontrar a opção “Preferred Vocoder”, configure-o da seguinte maneira:

- choice 1: PCMU
- choice 2: PCMA
- choice 3: ILBC
- choice 4: G729

- choice 5: PCMU
- choice 6: PCMA
- choice 7: ILBC
- choice 8: G729

Enable 100rel: No Yes

Add Auth Header On Initial REGISTER: No Yes

Use First Matching Vocoder in 200OK SDP: No Yes

Preferred Vocoder: (in listed order)

choice 1:	PCMU
choice 2:	PCMA
choice 3:	G723
choice 4:	G729
choice 5:	G726-32
choice 6:	iLBC
choice 7:	G729E
choice 8:	AAL2-G726-16

Voice Frames per TX: 2 (default 2, from 1 to 4 for G711/G726/G729)

G723 Rate: 6.3kbps encoding rate 5.3kbps encoding rate

iLBC Frame Size: 20ms 30ms

Nota ***

Instrua o cliente a clicar na seta ao lado de cada item e selecionar a opção correta, conforme exemplificada acima.

13 – Desça até o final da página e clique no botão “Apply” e, em seguida, “Reboot”

Ring Tone 6: c=2000/4000;

Ring Tone 7: c=2000/4000;

Ring Tone 8: c=2000/4000;

Ring Tone 9: c=2000/4000;

Ring Tone 10: c=2000/4000;

Blacklist For Incoming Calls

Blocked Number 1:

Blocked Number 2:

Blocked Number 3:

Blocked Number 4:

Blocked Number 5:

Blocked Number 6:

Blocked Number 7:

Blocked Number 8:

Update Apply Cancel Reboot

14 – Ao retornar à guia de Status, note que o FXS PORT configurado anteriormente, deve se registrar conforme ilustração abaixo:

Grandstream Device Configuration

➔ **STATUS** BASIC SETTINGS ADVANCED SETTINGS FXS PORT1 FXS PORT2

MAC Address: WAN-- 00:0B:82:93:ED:A6 LAN-- 00:0B:82:93:ED:A5 (**Device MAC**)

WAN IP Address: 192.168.3.22

Product Model: HT-502 V2.0A

Software Version: Program -- 1.0.14.1 Bootloader -- 1.0.0.18 Core -- 1.0.14.1 Base -- 1.0.14.1
Extra -- 1.0.14.1 CPE -- 1.0.1.48

System Up Time: 06:49:05 up 9 days

PPPoE Link Up: Disabled

NAT: Unknown NAT

Port Status:

Port	Hook	Registration	DND	Forward	Busy Forward	Delayed Forward
FXS 1	On Hook	Registered	No			
FXS 2	On Hook	Registered	No			

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