



117588, Москва, ул. Ясногорская. д.5, стр. 1 (а/я 63)  
ООО «НОВОСИСТЕМ», тел. +7 (495) 989-51-51  
[info@comagic.ru](mailto:info@comagic.ru), [www.comagic.ru](http://www.comagic.ru)  
ИНН 7710311878, КПП 772801001, ОГРН 1037739054682

## Настройка Grandstream GXW4008

Grandstream GXW4008 - аналоговый шлюз на 8 FXS портов для подключения абонентских устройств (аналоговые телефоны и факсы).

Данная инструкция актуальна для моделей **Grandstream GXW4008** и **Grandstream GXW4004**.

1. Подключите к FXS порту шлюза телефонный аппарат. Сам шлюз подключите к сети через **WAN порт**. На телефонном аппарате наберите **\*\*\*129**, чтобы **разрешить доступ к WEB интерфейсу шлюза через WAN порт**, а затем **\*\*\* 999** для перезагрузки шлюза. Чтобы узнать IP адрес WAN порта, наберите на телефонном аппарате **\*\*\*02**. Шлюз проговорит IP адрес WAN порта. Теперь вы можете подключиться к WEB интерфейсу шлюза через WAN порт.

2. Подключитесь к шлюзу по IP адресу, указанному в п.1 **Password - admin**. Перейдите на вкладку **Basic Settings**. Тут можно установить IP адрес для WAN порта шлюза, выставить временной пояс и режим работы шлюза (**Bridge**).

### Grandstream Device Configuration

STATUS **BASIC SETTINGS** ADVANCED SETTINGS PROFILE 1 PROFILE 2 FXS PORTS

**End User Password:** ●●●● (purposely not displayed for security protection)  
**Web Port:** 80 (default for HTTP is 80)  
**Telnet Server:**  No  Yes

**IP Address:**  dynamically assigned via DHCP  
 DHCP hostname:  (optional)  
 DHCP domain:  (optional)  
 DHCP vendor class ID: HT500 (optional)

use PPPoE  
 PPPoE account ID:   
 PPPoE password:   
 PPPoE Service Name:   
 Preferred DNS server: 0 . 0 . 0 . 0

statically configured as:  

IP Address:	192	.168	.0	.160
Subnet Mask:	255	.255	.0	.0
Default Router:	0	.0	.0	.0
DNS Server 1:	0	.0	.0	.0
DNS Server 2:	0	.0	.0	.0

**Time Zone:** Using self-defined Time Zone  
*Self-Defined Time Zone:* MTZ+6MDT+5,M3,2.0,M11.1.0 (For example: "MTZ+6MDT+5,M4.1.0,M11.1.0")  
**Language:** English

*NAT/DHCP Server Information & Configuration:*  
**Device Mode:**  NAT Router  Bridge

Нажмите внизу Update и Reboot.

3. В разделе **Profile1** заполните поля согласно рисунку.

## Grandstream Device Configuration

STATUS   BASIC SETTINGS   ADVANCED SETTINGS   PROFILE 1   PROFILE 2   EXS PORTS

**Profile 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 (STUN):**  No  No, but send keep-alive  Yes

**DNS Mode:**  A Record  SRV  NAPTR:SRV

*User ID is phone number:*  No  Yes

*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)

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

*local SIP port:*  ★ (default is 5060 for UDP and TCP, 5061 for TLS)

*local RTP port:*  (1024-65535, default 5004)

*Use random port:*  No  Yes

*Refer-To Use Target Contact:*  No  Yes

*Transfer on Conference Hangup:*  No  Yes

*Remove OBP from Route Header:*  No  Yes

*Support SIP Instance ID:*  No  Yes

*Validate Incoming SIP Message:*  No  Yes

*Check SIP User ID for incoming INVITE:*  No  Yes (no direct IP calling if Yes)

*Allow Incoming SIP Messages from SIP Proxy Only:*  No  Yes (no direct IP calling if Yes)

*SIP T1 Timeout:*

*SIP T2 Interval:*

*DTMF Payload Type:*

**Preferred DTMF method:** (in listed order)

Priority 1:

Priority 2:

Priority 3:

*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)

*Proxy Require:*

*Use NAT IP:*  (used in SIP/SDP message if specified)

**Distinctive Ring Tone:**

Ring Tone 1  used if incoming caller ID is

Ring Tone 2  used if incoming caller ID is

Ring Tone 3  used if incoming caller ID is

**Disable Call-Waiting:**  No  Yes

**Disable Call-Waiting Caller ID:**  No  Yes

**Disable Call-Waiting Tone:**  No  Yes

*Disable Reminder Ring for On-Hold Call:*  No  Yes

*Disable Visual MWI:*  No  Yes

*Ring Timeout:*  (10-300, default is 60 seconds)

*Hunting Group Ring Timeout:*  (5-300, default is 20 seconds)

*Delayed Call Forward Wait Time:*  (Allowed range 1-120, in seconds)

*No Key Entry Timeout:*  (in seconds, default is 4 seconds)

*Early Dial:*  No  Yes (use 'Yes' only if proxy supports 484 response)

*Dial Plan Prefix:*  (this prefix string is added to each dialed number)

*Use # as Dial Key:*  No  Yes (if set to Yes, '#' will function as the '(Re-)Dial' key)

*Dial Plan:*

*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:* Standard ▾

*Session Expiration:* 180 (in seconds, default 180 seconds)

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

*Caller Request Timer:*  No  Yes (Request for timer when making outbound calls)

*Callee Request Timer:*  No  Yes (When caller supports timer but did not request one)

*Force Timer:*  No  Yes (Use timer even when remote party does not support)

*UAC Specify Refresher:*  UAC  UAS  Omit (Recommended)

*UAS Specify Refresher:*  UAC  UAS (When UAC did not specify refresher tag)

*Force INVITE:*  No  Yes (Always refresh with INVITE instead of UPDATE)

**Send Re-INVITE After Fax:**  No  Yes

*Use First Matching Vocoder in 200OK SDP:*  No  Yes

**Preferred Vocoder:** (in listed order)

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

*G723 rate:*  6.3kbps encoding rate  5.3kbps encoding rate

*iLBC frame size:*  20ms  30ms

*iLBC payload type:* 97 (between 96 and 127, default is 97)

*AAL2-G726-16 payload type:* 100 (between 96 and 127, default is 100)

*AAL2-G726-24 payload type:* 99 (between 96 and 127, default is 99)

*AAL2-G726-32 payload type:* 104 (between 96 and 127, default is 104)

*AAL2-G726-40 payload type:* 103 (between 96 and 127, default is 103)

*G729E payload type:* 102 (between 96 and 127, default is 102)

*VAD:*  No  Yes

**Symmetric RTP:**  No  Yes

*Fax mode:*  T.38 (Auto Detect)  Pass-Through

**Fax tone detection mode:**  Caller  Callee  Caller or Callee

*Jitter buffer type:*  Fixed  Adaptive

*Jitter buffer length:*  Low  Median  High

*SRTP Mode:*  Disabled  Enabled but not forced  Enabled and forced

*SLIC Setting:* USA ▾

*Caller ID Scheme:* Bellcore/Telcordia ▾

*Polarity Reversal:*  No  Yes (reverse polarity upon call establishment and termination)

*Loop Current Disconnect:*  No  Yes (loop current disconnect upon call termination)

*Loop Current Disconnect Duration:* 200 (In 100 - 10000 milliseconds range, default is 200)

*Hook Flash Timing:* In 40-2000 milliseconds range, minimum: 300 maximum: 1100

*On Hook Timing:* 400 (In 40-2000 milliseconds range, default is 400)

*Gain:* TX 0dB default ▾ RX 0dB default ▾

*Disable Line Echo Canceller (LEC):*  No  Yes

**Ring Tones** (Syntax: c=on1/off1-on2/off2-on3/off3; [...])

Ring Tone 1:	c=2000/4000;
Ring Tone 2:	c=2000/4000;
Ring Tone 3:	c=2000/4000;
Ring Tone 4:	c=2000/4000;
Ring Tone 5:	c=2000/4000;
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;

Update Cancel Reboot

Поле, помеченное на рисунке звездочкой:

Если Вы используете более одного голосового шлюза, обратите внимание, чтобы на **КАЖДОЙ** линии **КАЖДОГО** шлюза данный порт был разным (Вы можете использовать любой порт из диапазона 5060-5960).

Нажмите внизу Update и Reboot.

4. В разделе **FXS Ports** введите логины и пароли от sip линий.

Grandstream Device Configuration

STATUS BASIC SETTINGS ADVANCED SETTINGS PROFILE 1 PROFILE 2 **FXS PORTS**

User Settings

Port#	SIP User ID	Authenticate ID	Password	Name	Profile ID	Hunting Group
1	sip логин 1	sip логин 1	••••••••	sip логин 1	Profile 1 ▾	None ▾
2	sip логин 2	sip логин 2	••••••••	sip логин 2	Profile 1 ▾	None ▾
3	sip логин 3	sip логин 3	••••~•••	sip логин 3	Profile 1 ▾	None ▾
4	sip логин 4	sip логин 4	••••••••	sip логин 4	Profile 1 ▾	None ▾
5					Profile 1 ▾	None ▾
6					Profile 1 ▾	None ▾
7					Profile 1 ▾	None ▾
8					Profile 1 ▾	None ▾

Port#	Offhook	Auto-dial	Map to FXO Port#	Map to FXO Gateway IP
1			1	
2			1	
3			1	
4			1	
5			1	
6			1	
7			1	
8			1	

Update Cancel Reboot

All Rights Reserved Grandstream Networks, Inc. 2006-2008

Нажмите внизу Update и Reboot.

5. Зайдите в раздел Status и обратите внимание, зарегистрировались ли порты шлюза на сервере регистрации. На рисунке видно, что Port Status 1, 2 - Registered.

**Grandstream Device Configuration**

STATUS
BASIC SETTINGS
ADVANCED SETTINGS
PROFILE 1
PROFILE 2
FXS PORTS

**MAC Address:** 00:0B:82:2F:08:D5  
**WAN IP Address:** 192.168.12.196  
**Product Model:** GXW-4008 V1.5A  
**Software Version:** Program-- 1.0.3.10 Bootloader-- 1.0.0.9 Core-- 1.0.3.6 Base-- 1.0.3.8  
**System Up Time:** 02:54:55 up 5 min  
**PPPoE Link Up:** Disabled

**NAT:**

**Port Status:**

Port	Hook	Registration	DND	Forward	Busy Forward	Delayed Forward
FXS 1	On Hook	Registered	No			
FXS 2	On Hook	Registered	No			
FXS 3	On Hook	Not Registered	No			
FXS 4	On Hook	Not Registered	No			
FXS 5	On Hook	Not Registered	No			
FXS 6	On Hook	Not Registered	No			
FXS 7	On Hook	Not Registered	No			
FXS 8	On Hook	Not Registered	No			

All Rights Reserved Grandstream Networks, Inc., 2006-2008

На этом настройка голосового шлюза завершена.