



deltathree Inc.

Product Management

**Grandstream GXW-400x
Series Installation
Instructions**

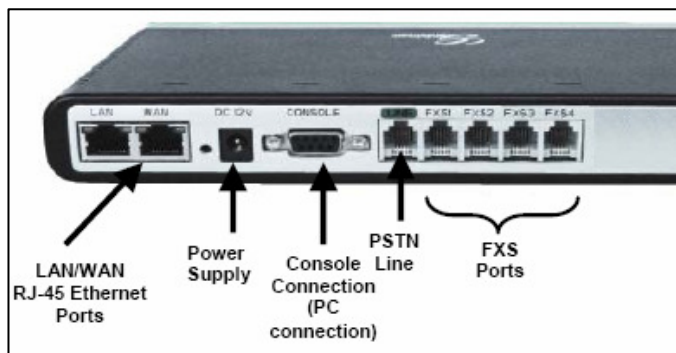
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GRANDSTREAM GXW-400x SERIES SET-UP INSTRUCTIONS



Step 1: Connect the Grandstream to your Broadband connection

1. Power connection - connect the power to your Grandstream GXW-400x unit.
2. WAN - use an Ethernet cable to connect your unit phone to your router or Internet connection.
3. LAN - use an Ethernet cable to connect your unit to a PC.
4. FXS ports - connect up to 4 analog telephones depending on the number of accounts you plan to configure your unit with.



5. FXO port - you can connect the unit to a phone line to make calls through your regular PSTN provider.

Step 2: Complete unit configuration

1. Your PC will be assigned an IP address similar to "192.168.2.100". Launch a web browser and type "http://192.168.2.1" in the address bar. This will bring up the built-in web server of your GXW-400x.
2. In the "Login" window, type in the password "123" or "admin" and press the "Login" button.
3. Under the **Basic Settings** tab, configure your IP settings as follows:
 - a. **IP Address:** dynamically assigned via DHCP" - check

IP Address: dynamically assigned via DHCP

DHCP hostname: (optional)

DHCP domain: (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: . . .

- b. "Reply to ICMP on WAN port" – set to "Yes"
- c. "WAN side HTTP/Telnet access" – set to "Yes"

Reply to ICMP on WAN port: No Yes (Unit will not respond to PING from WAN side if set to No)
WAN side HTTP/Telnet access: No Yes (WAN side access to http server will be rejected if set to No)

- 4. Under the **Profile** tab, configure your SIP settings as follows:
 - a. "Profile active" – set to "Yes"
 - b. "SIP Server" – enter : sipauth.deltathree.com

Profile Active: No Yes

SIP Server: (e.g., sip.mycompany.com, or IP address)

- c. "SIP Transport" – set to "UDP"

SIP transport: UDP TCP TLS (default is UDP)

- d. "SIP Registration" – If you have an incoming calls number, set to "Yes". If you do not have an incoming calls number, set to "No".
- e. "Outgoing call without Registration" – set to "Yes"

SIP Registration: No Yes

Outgoing call without Registration: No Yes

- f. "DTMF in audio" – Set to "Yes"

DTMF in audio: No Yes

- g. "Preferred Vocoder" – set according to the list below:

Preferred Vocoder:
(in listed order)

choice 1:

choice 2:

choice 3:

choice 4:

choice 5:

choice 6:

choice 7:

choice 8:

G723 rate: 6.3kbps encoding rate 5.3kbps encoding rate

h. "G723 rate" – set to "6.3kbps encoding rate"

5. Under the **FXS Ports** tab configure your account settings as follows:
 - a. For each FXS port number, configure the account you wish to use. NOTE:
 - i. If you have an incoming calls number, you will need to enter it in the "SIP User ID" field, your account UserID will need to be entered in the "Authentication ID" field and your account password will need to be entered in the "Password" field.
 - ii. If you **do not** have an incoming calls number, you will need to enter your account UserID in the "SIP User ID" and "Authentication ID" fields and your account password will need to be entered in the "Password" field.

User Settings

FXS Port	SIP User ID	Authenticate ID	Password	Name	Profile ID
1	<input type="text" value="11111111"/>	<input type="text" value="11111111"/>	<input type="text" value="••••"/>	<input type="text" value="Deltathree"/>	<input type="text" value="Profile 1"/>
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="Profile 1"/>
3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="Profile 1"/>
4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="Profile 1"/>

* Once you are satisfied with your changes, click on the **UPDATE** button. The changes will be saved and the unit will reboot.



Step 3: Configuring the unit via TUI

GXW-400x has a stored voice prompt menu for quick browsing and simple configuration. Enter the voice prompt menu, press *** on the standard analog phone connected to any FXS port.

Menu	Voice Prompt	User's Options
Main Menu	"Enter a Menu Option"	Enter "*" for the next menu option Enter "#" to return to the main menu Enter 01 – 06, 47, 86 or 99 Menu option
01	"DHCP Mode", or "Static IP Mode"	Enter '9' to toggle the selection <i>If user selects "Static IP Mode", user need configure all the IP address information through menu 02 to 05. If user selects "Dynamic IP Mode", the device will retrieve all IP address information from DHCP server automatically when user reboots the device.</i>
02	"IP Address " + IP address	The current WAN IP address is announced Enter 12-digit new IP address if in Static IP Mode.
03	"Subnet " + IP address	Same as Menu option 02
04	"Gateway " + IP address	Same as Menu option 02
05	"DNS Server " + IP address	Same as Menu option 02
07	Preferred Vocoder	Enter "9" to go to the next selection in the list: <ul style="list-style-type: none"> • PCM U / PCM A • G-723 • G-729 • iLBC • G-726-32 • G728 • G729E
10	"MAC Address"	Announces the Mac address of the unit.
12	WAN Port Web Access	Enter "9" to toggle between enable and disable
13	Firmware Server IP Address	Announces current Firmware Server IP address. Enter 12 digit new IP address.
14	Configuration Server IP Address	Announces current Config Server Path IP address. Enter 12 digit new IP address.
15	Upgrade Protocol	Upgrade protocol for firmware and configuration update. Enter "9" to toggle between TFTP and HTTP
16	Firmware Version	Firmware version information.
17	Firmware Upgrade	Firmware upgrade mode. Enter "9" to rotate among the following three options: <ol style="list-style-type: none"> 1. always check 2. check when pre/suffix changes 3. never upgrade
47	"Direct IP Calling"	User will be prompted with a dial tone to dial a 12-digit IP address to make a direct IP call. (For details, see Make a Direct IP Call)
99	"RESET"	Enter "9" to reboot the device; or Enter MAC address to restore <u>factory default</u> setting (page 28)
	"Invalid Entry"	Automatically returns to Main Menu

Five Success Tips when using the Voice Prompt

1. "*" shifts down to the next menu option
2. "#" returns to the main menu
3. "9" functions as the ENTER key in many cases to confirm an option
4. All entered digit sequences have known lengths - 2 digits for menu option and 12 digits for IP address. For IP address, add 0 before the digits if the digits are less than 3 (i.e. - 192.168.0.26 should be key in like 192168000026. No decimal is needed).
5. Key entry can not be deleted but the phone may prompt error once it is detected.