



## Grandstream GXW4004 VoIP Gateway Setup

**ATTENTION:** Update the firmware of your Grandstream device to the recommended firmware version.

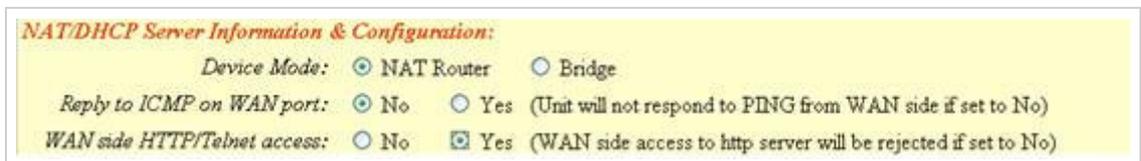
**WARNING:** When booting the phone for the first time, please allow for 3-5 minutes booting time as the phone might be automatically downloading and installing a new version of the firmware.

1. Plug the grandstream in your lan with the LAN port, type the web default address: <http://192.168.2.1> into your web browser. You should see the following login screen:



The login screen displays the title "Grandstream Device Configuration" at the top. Below it is a "Password" input field and a "Login" button. At the bottom, it states "All Rights Reserved Grandstream Networks, Inc. 2004".

2. Type in the [default password admin](#) and press **Login**. The configuration page should appear.
3. On Basic Settings Set **YES** on the **NAT/DHCP** section **WAN** side access option.



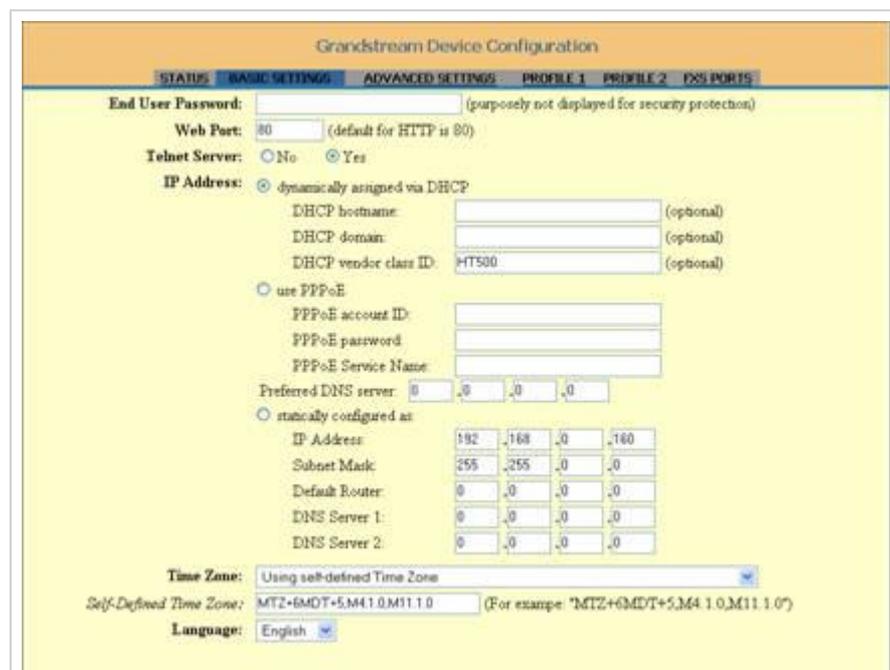
**NAT/DHCP Server Information & Configuration:**

Device Mode:  NAT Router  Bridge

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. Select **dynamically assigned via DHCP** from the items below:



The configuration page shows the following settings:

- End User Password: (blacked out)
- 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: (optional)
  - PPPoE password: (optional)
  - PPPoE Service Name: (optional)
- Preferred DNS server: 0.0.0.0
- statically configured as
  - IP Address: 192.168.0.140
  - 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+GMT+5.M4.1.0.M11.1.0 (For example: 'MTZ+GMT+5.M4.1.0.M11.1.0')
- Language: English

5. Set in **Advance** settings **Admin Password** to a personal value. This value will change the default **admin** that was used to access the phone menu in **Step 1** above. This is not a mandatory step but we do recommend that you change the password.

6. On **Profile 1** set **SIP Server** equal to **voiptalk.org** and **Outbound Proxy** equal to **nat.voiptalk.org:5065**.

7. ON **FXS ports** Set **SIP User ID** and **Authenticate ID** equal to your **VoIPtalk User ID**, **Authenticate Password** equal to your **VoIPtalk password**, **Profile** equal to **Profile 1** as shown below.

FXS Port	SIP User ID	Authenticate ID	Password	Name	Profile ID
1	your_voiptalk_ID	your_voiptalk_ID	*****	your_voiptalk_ID	Profile 1
2					Profile 1
3					Profile 1
4					Profile 1

8. Set on **Profile 1** your **IP Phone** number equal to your **VoIPtalk ID**.

*User ID is phone number:*     No     Yes

9. Configure your **SIP Registration** settings as shown below:

*SIP Registration:*     No     Yes  
*Unregister On Reboot:*     No     Yes  
*Register Expiration:*     (in minutes, default 1 hour, max 45 days)

10. If you are using the outbound proxy as specified in **Step 5** please ensure you disable **STUN NAT Traversal** as displayed below. *Note: You should configure STUN if you have a public fixed IP address for your IP Phone.*

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

11. On **Profile 1** set **DTMF** info to be transported via **RTP (RFC2833)** as shown below:

*DTMF in audio:*  No  Yes  
*DTMF via RFC2833:*  No  Yes  
*DTMF via SIP INFO:*  No  Yes

- Click **P AT** at the bottom of the configuration page then click to view your changes and then click the **BOOT** on the phone menu screen. Make sure you click **P AT** before clicking **BOOT** to make sure your changes are implemented correctly.
- Upon rebooting, your phone should have connected to the VoIPtalk service. To test this dial **2**.

[^ Top](#)

[< Back](#)

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