Oak Technology

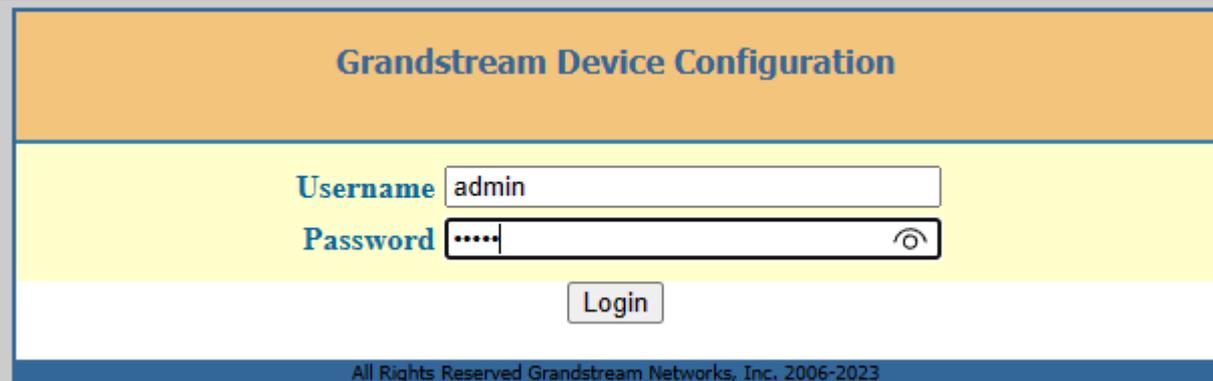**For End User (United Kingdom)**

Grandstream HT-8XX
Basic Configuration

Firmware 1.0.45.2 Upward – February 2023

Connecting your HT adapter to the Internet

- Connect a network cable from your router or network switch to the HT units WAN port (indicated by the **GLOBE** symbol).
- Open your internet browser and type in the IP address of the HT unit. (for example http://192.168.1.27).
- Login to the HT unit using username **admin** and password **admin**.

Grandstream Device Configuration

Username	admin
Password	•••••

Login

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Initial Firmware upgrade and factory reset

- Click on **Advanced Settings** and scroll down to **Firmware Upgrade and Provisioning**.
- Set Upgrade via to **HTTPS**
- Set Firmware Server Path to: **firmware.grandstream.com**
- Scroll to the bottom of the page and press **UPDATE**
- Scroll to the bottom of the page and press **APPLY**
- Scroll to the bottom of the page and press **REBOOT**
- Login to the unit (see page 1)
- The HT unit should now upgrade its firmware to the latest shown on firmware.grandstream.com and this should be visible from the **Status** page.
- Click on **Basic Settings** and scroll down to the bottom of the page and set the **Reset Type** to **FULL RESET** and then press the **RESET** button.

Initial Configuration

- Login to the unit (see page 1)
- Click on **Basic Settings**.
- Set the **Timezone** to **GMT (London, Great Britain)**
- Set the **Device Mode** to **WAN Only**

Time Zone:	GMT (London, Great Britain) ⌄
Self-Defined Time Zone:	MTZ+6MDT+5,M3.2.0,M11.1.0　(For example: MTZ+6MDT+5,M4.1.0,M11.1.0)
Allow DHCP server to set Time Zone:	○ No　◉ Yes
Language:	English ⌄

NAT/DHCP Server Information & Configuration:
Device Mode:　○ NAT Router　○ Bridge　◉ WAN Only

- Scroll to the bottom of the page and press **UPDATE**
- Click on **Advanced Settings** and scroll down to **Firmware Upgrade and Provisioning**.
- Set Upgrade via to **HTTPS**
- Set Firmware Server Path to: **firmware.grandstream.com**
- Set Verify host when using HTTPS: to **No**
- Scroll to the bottom of the page and press **UPDATE**
- Scroll to the bottom of the page and press **APPLY**

- Click on **Profile1** and configure as below:
- Profile Active   **Yes**
- Primary SIP Server   ***<host name or IP address of your SIP provider>***
- From Domain   **<same as host name or BLANK>**
- NAT Traversal   **Keep Alive**
- SIP Registration   **Yes**
- Preferred Codec   **PCMA, G729, G722**
- SLIC Setting   **UK**
- Caller ID Scheme   **SIN 277 – BT**
- Scroll to the bottom of the page and press **UPDATE**

Grandstream Device Configuration

STATUS   BASIC SETTINGS   ADVANCED SETTINGS   PROFILE 1   PROFILE 2   FXS PORTS

Profile Active: ○ No   ⦿ Yes

Primary SIP Server: `sip.voipfone.net`   (e.g., sip.mycompany.com, or IP address)

Failover SIP Server: [   ]   (Optional, used when primary server no response)

Prefer Primary SIP Server: ⦿ No
    ○ Will register to Primary Server if Failover registration expires
    ○ Will register to Primary Server if Primary Server responds, need to enable SIP OPTIONS/NOTIFY Keep Alive

Outbound Proxy: [   ]   (e.g., proxy.myprovider.com, or IP address, if any)

Backup Outbound Proxy: [   ]   (e.g., proxy.myprovider.com, or IP address, if any)

Prefer Primary Outbound Proxy: ⦿ No   ○ Yes   (yes - will reregister via Primary Outbound Proxy if registration expires)

From Domain: `sip.voipfone.net`   (Optional, actual domain name, will override the from header)

Allow DHCP Option 120 (override SIP server):   ⦿ No   ○ Yes

SIP Transport: ⦿ UDP   ○ TCP   ○ TLS   (default is UDP)

SIP URI Scheme When Using TLS: ○ sip   ⦿ sips

Use Actual Ephemeral Port in Contact with TCP/TLS: ⦿ No   ○ Yes

NAT Traversal: ○ No   ⦿ Keep-Alive   ○ STUN   ○ UPnP   ○ VPN

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

DNS SRV Failover Mode: [Default ▾]

Failback Timer: [60]   (in minutes. default 60 minutes, max 45 days)

Register Before DNS SRV Failover: ⦿ No   ○ Yes

Primary IP: [   ]

Backup IP1:   [   ]

Backup IP2:   [   ]

Tel URI: [Disabled ▾]

Use Request Routing ID in SIP INVITE Header: ⦿ No   ○ Yes

SIP Registration: ○ No   ⦿ Yes

- Click on FXS Ports and for the required port, configure as below:
- SIP User ID: **Provider SIP Username**
- SIP Authenticate ID: **Provider SIP Username**
- Password **Provider SIP Password**
- Name **Enter a name you like for the provider**
- Enable Port **Yes**
- Scroll to the bottom of the page and press **UPDATE**
- Scroll to the bottom of the page and press **APPLY**

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	Request URI Routing ID	Enable Port
1	12345678	12345678		Ext 200	Profile 1 ▾	None ▾		○ No ⦿ Yes
2					Profile 1 ▾	None ▾		○ No ⦿ Yes
3					Profile 1 ▾	None ▾		○ No ⦿ Yes
4					Profile 1 ▾	None ▾		○ No ⦿ Yes

Port	Offhook Auto-dial
1	
2	
3	
4	

[Update] [Apply] [Cancel/Logout] [Reboot]

Checking registration status

- Login to the unit (see page 1)
- Click on **Status** and your Port Status should say **REGISTERED**

Port Status:	Port	Hook	User ID	Registration
	FXS 1	On Hook	12345678	Not Registered
	FXS 2	On Hook		Not Registered
	FXS 3	On Hook		Not Registered
	FXS 4	On Hook		Not Registered