

## Grandstream Device Configuration

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**MAC Address:**

**IPv4 Address:** 192.168.178.28

**IPv6 Address:**

**Product Model:** HT802

**Serial Number:** 207GHQYK50FF1B2D

**Hardware Version:** V1.6A   Part Number -- 9610003716A

**Software Version:** Program -- 1.0.13.7   Bootloader -- 1.0.13.1   Core -- 1.0.13.1   Base -- 1.0.13.7  
CPE -- 0.19.7.10

**Software Status:** Running   Mem: 18520

**System Up Time:** 13:56:58 up 4 min

**CPU Load:** 16%

**Network Cable Status:** Up 100Mbps Full

**PPPoE Link Up:** Disabled

**NAT:** Unknown NAT

**Port Status:**

Port	Hook	User ID	Registration
FXS 1	On Hook	fritz6502	Registered
FXS 2	On Hook		Not Registered

**Port Options:**

Port	DND	Forward	Busy Forward	Delayed Forward	CID	Call Waiting	SRTP
FXS 1	No				Yes	Yes	No
FXS 2	No				Yes	Yes	No

**CDR File:**

**SIP File:** None

**Provision:** Not running, Last status : Downloading file from url.

**Core Dump:** Clean

**GR909:** [Test Page](#)

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

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

**New Viewer Password:**  (purposely not displayed for security protection)  
**Confirm Viewer Password:**

### Web/SSH Access:

**Web Session Timeout:**  (1-60, default 10 minutes.)  
**Web Access Attempt Limit:**  (1-10, default 5.)  
**Web Lockout Duration:**  (0-60, default 15 minutes.)

**Web Access Mode:**  HTTPS    HTTP  
**HTTP Web Port:**  (default is 80)  
**HTTPS Web Port:**  (default is 443)  
**Disable SSH:**  No    Yes  
**SSH Port:**  (default is 22. Cannot be the same as Telnet Port.)  
**SSH Idle Timeout:**  (0-86400 seconds. default 0 means never timeout.)  
**Disable Telnet:**  No    Yes  
**Telnet Port:**  (default is 23. Cannot be the same as SSH Port.)  
**Telnet Idle Timeout:**  (0-86400 seconds. default 0 means never timeout.)

**White List for WAN Side:**

**Black List for WAN Side:**

**Internet Protocol:**  IPv4 Only    IPv6 Only    Both, prefer IPv4    Both, prefer IPv6

**IPv4 Address:**  dynamically assigned via DHCP

DHCP hostname:  (optional)

DHCP vendor class ID:  (optional)

use PPPoE

PPPoE account ID:

PPPoE password:  (purposely not displayed for security protection)

PPPoE Service Name:

1st Preferred DNS server:  .  .  .

2nd Preferred DNS server:  .  .  .

3rd Preferred DNS server:  .  .  .

4th Preferred DNS server:  .  .  .

statically configured as

IP Address:  .  .  .

Subnet Mask:  .  .  .

Default Router:  .  .  .

DNS Server 1:  .  .  .

DNS Server 2:  .  .  .

**IPv6 Address:**  dynamically assigned via DHCP  
 statically configured as:  
 Full Static  
 Static IPv6 Address:   
 IPv6 Prefix Length:   
 Prefix Static  
 IPv6 Prefix(64 bits):   
 DNS Server 1:   
 DNS Server 2:   
 Preferred DNS Server:

**Enable Management Interface:**  No  Yes  
**Management Access:**

**Management Interface IPv4 Address:** 802.1Q/VLAN Tag  (0-4094)  
 802.1p priority value  (0-7)  
 dynamically assigned via DHCP  
 statically configured as  
*IP Address:*   
*Subnet Mask:*   
*Default Router:*   
*DNS Server 1:*   
*DNS Server 2:*

**Time Zone:**   
*Self-Defined Time Zone:*  (For example: MTZ+6MDT+5,M4.1.0,M11.1.0)  
*Allow DHCP server to set Time Zone:*  No  Yes

**Language:**   
**Reset Type:**

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

**New Admin Password:**  (purposely not displayed for security protection)

**Confirm Admin Password:**

802.1Q/VLAN Tag  (0-4094)

*Layer 2 QoS:* SIP 802.1p  (0-7)

RTP 802.1p  (0-7)

*Black List for WAN Side Port:*

*STUN server is:*  (URI or IP:port)

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

*Use STUN to detect network connectivity:*  No  Yes, total STUN response misses  to restart DHCP (minimum=3)

*Use DNS to detect network connectivity:*  No  Yes

*Use ARP to detect network connectivity:*  No  Yes

*Verify host when using HTTPS:*  No  Yes

*Firmware Upgrade and Provisioning:* Upgrade Via  TFTP  HTTP  HTTPS  FTP  FTPS

Firmware Server Path:

Config Server Path:

XML Config File Password:

HTTP/HTTPS/FTP/FTPS User Name:

HTTP/HTTPS/FTP/FTPS Password:

Firmware File Prefix:

Firmware File Postfix:

Config File Prefix:

Config File Postfix:

Allow DHCP Option 66 or 160 to override server:

No  Yes

3CX Auto Provision:

No  Yes

Automatic Upgrade:

No  
 Yes, every  minutes(30-5256000).  
 Yes, daily at start hour  (0-23), at end hour  (0-23).  
 Yes, weekly on day  (0-6).

Randomized Automatic Upgrade:  No  Yes

Always Check for New Firmware at Boot up  
 Check New Firmware only when F/W pre/suffix changes  
 Always Skip the Firmware Check

*Disable SIP NOTIFY Authentication:*  No  Yes (Device will not challenge NOTIFY with 401 when set to Yes)

*Authenticate Conf File:*  No  Yes (cfg file would be authenticated before acceptance if set to Yes)

*Validate Server Certificates:*  No  Yes (validate server certificates with our trusted list of TLS connections)

*SIP TLS Certificate:*

*SIP TLS Private Key:*

*SIP TLS Private Key Password:*

*Custom Certificate:  
(Private Key + Certificate)*

*Enable TR-069:*  No  Yes

*ACS URL:*

*ACS Username:*

*ACS Password:*

*Periodic Inform Enable:*  No  Yes

*Periodic Inform Interval:*

*Connection Request Username:*

*Connection Request Password:*

*CPE SSL Certificate:*

*CPE SSL Private Key:*

*Enable SNMP:*  No  Yes

*SNMP Version:*

*SNMP Port:*

 (161 or 1025-65535. Default 161)

*SNMP Trap IP Address:*

*SNMP Trap Port:*

 (162 or 1025-65535. Default 162)

SNMP Trap Version:

SNMP Trap Interval:  (1-1440. Default 5 minutes)

SNMPv1/v2c Community:

SNMPv1/v2c Trap Community:

SNMPv3 User Name:

SNMPv3 Security Level:

SNMPv3 Authentication Protocol:

SNMPv3 Privacy Protocol:

SNMPv3 Authentication Key:

SNMPv3 Privacy Key:

SNMPv3 Trap User Name:

SNMPv3 Trap Security Level:

SNMPv3 Trap Authentication Protocol:

SNMPv3 Trap Privacy Protocol:

SNMPv3 Trap Authentication Key:

SNMPv3 Trap Privacy Key:

Enable RADIUS Web Access Control:  No  Yes

Action upon Radius Auth Server Error:  Reject Access  Authenticate Locally

RADIUS Auth Server Address:

RADIUS Auth Server Port:

RADIUS Shared Secret:

RADIUS VSA Vendor ID:

RADIUS VSA Access Level Attribute:

Enable DDNS:  No  Yes

DDNS Server:

DDNS Username:

DDNS Password:

DDNS Hostname:

DDNS Hash:

System Ring Cadence:

Dial Tone:

Ringback Tone:

Busy Tone:

Reorder Tone:

Call Progress Tones:

Confirmation Tone:

Call Waiting Tone:

Prompt Tone:

Conference Party Hangup Tone:

Syntax: f1=val [, f2=val [, c=on1/off1 [-on2/off2 [-on3/off3 ] ] ] ];  
(Frequencies are in (300, 3400) Hz and cadence on and off are in (0, 64000) ms)

Prompt Tone Access Code:  (Key pattern to get Prompt Tone. Maximum 20 digits. No default.)

- Lock Keypad Update:  No  Yes (configuration update via keypad is disabled if set to Yes)
- Disable Voice Prompt:  No  Yes (voice prompt is disabled if set to Yes)
- Disable Direct IP Call:  No  Yes (direct IP call is disabled if set to Yes)

Blacklist For Incoming Calls:

NTP Server:  (URI or IP address)

Allow DHCP Option 42 to override NTP server:  No  Yes

DHCP Option 17 Enterprise Number:

CDR File Option:  Keep  Override

SIP File Option:  Keep  Override

Disable Weak TLS Cipher Suites:  No  Yes

Syslog Server:

Syslog Level:

Send SIP Log:  No  Yes

- No
- Yes, reboot every day at hour  (0-23)
- Yes, reboot every week at day  (0-6)
- Yes, reboot every month at day  (0-30)

Download Device Configuration:

Download Device XML Configuration:

Upload Firmware:

Upload Configuration:

Export Backup Configuration:

Restore From Backup Configuration:

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

**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)

**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)

**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

**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)

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

**DNS SRV use Registered IP:**  No  Yes

**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:**  (0-64800. Default 0 second)

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

**SIP Registration Failure Retry Wait Time upon 403 Forbidden:**  (in seconds. Between 0-3600, default is 1200. 0 means stop retry registration upon 403 response.)

**Enable SIP OPTIONS/NOTIFY Keep Alive:**  No  OPTIONS  NOTIFY

**SIP OPTIONS/NOTIFY Keep Alive Interval:**  (in seconds. Between 1-64800, default is 30)

**SIP OPTIONS/NOTIFY Keep Alive Max Lost:**  (Number of max lost packets for SIP OPTIONS/NOTIFY Keep Alive before re-registration. Between 3-10, default is 3)

SIP DSCP (Diff-Serv value in decimal, 0-63, default 26)

Layer 3 QoS:  RTP DSCP (Diff-Serv value in decimal, 0-63, default 46)

Local SIP Port:  (default is 5060 for UDP and TCP; 5061 for TLS)

Local RTP Port:  (even number between 1024-65535, default 5004)

Use Random SIP Port:  No  Yes

Use Random RTP Port:  No  Yes

Enable RTCP:  No  Yes

Hold Target Before Refer:  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)

Authenticate incoming INVITE:  No  Yes

Authenticate server certificate domain:  No  Yes

Authenticate server certificate chain:  No  Yes

Trusted CA certificates:

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

Use Privacy Header:  Default  No  Yes

Use P-Preferred-Identity Header:  Default  No  Yes

Use P-Access-Network-Info Header:  No  Yes

Use P-Emergency-Info Header:  No  Yes

SIP REGISTER Contact Header Uses:  LAN Address  WAN Address

Caller ID Fetch Order:  Auto  Disabled  From Header

Allow SIP Factory Reset:  No  Yes

SIP T1 Timeout:

SIP T2 Interval:

SIP Timer D:  (0 - 64 seconds. Default 0)

DTMF Payload Type:

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

Priority 3: *Inband DTMF Duration:* In 40-2000 milliseconds range, duration:  inter-duration: *Disable DTMF Negotiation:*  No (negotiate with peer)  Yes (use above DTMF order without negotiation)*Generate Continuous RFC2833 Events:*  No  Yes (RFC2833 events are generated until key is released)*Send Hook Flash Event:*  No  Yes (Hook Flash will be sent as a DTMF event if set to Yes)*Flash Digit Control:*  No  Yes (Overrides the default settings for call control when both channels are in use.)*Callee Flash to 3WC:*  No  Yes*Offhook Auto-Dial:*  (User ID/extension to dial automatically when offhook)*Offhook Auto-Dial Delay:*  (0-60 seconds, default is 0)*Proxy-Require:* *Use NAT IP:*  (used in SIP/SDP message if specified)*SIP User-Agent:* *SIP User-Agent Postfix:* *Distinctive Ring Tone:*  used if incoming caller ID is  used if incoming caller ID is  used if incoming caller ID is *RFC2543 Hold:*  No  Yes*Disable Call-Waiting:*  No  Yes*Disable Call-Waiting Caller ID:*  No  Yes*Disable Call-Waiting Tone:*  No  Yes*Disable Connected Line ID:*  No  Yes*Disable Receiver Offhook Tone:*  No  Yes (ROH tone will not be played after offhook for 60 seconds)*Disable Reminder Ring for On-Hold Call:*  No  Yes*Disable Reminder Ring for DND:*  No  Yes*Disable Visual MWI:*  No  Yes*Visual MWI Type:*  FSK  NEON*Do Not Escape '#' as %23 in SIP URI:*  No  Yes*Disable Multiple m line in SDP:*  No  Yes*Ring Timeout:*  (0-300, default is 60 seconds, 0 means no timeout)*Delayed Call Forward Wait Time:*  (Allowed range 1-120, in seconds.)*No Key Entry Timeout:*  (1-15, 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)*Disable # as Redial Key:*  No  Yes (if set to Yes, "#" will not function as ReDial 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:*

*Enable Session Timer:*  No  Yes

*Session Expiration:*  (90-64800, default 180 seconds)

*Min-SE:*  (90-64800, default 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)

*Enable 100rel:*  No  Yes

*Add Auth Header On Initial REGISTER:*  No  Yes

*Conference URI:*

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

*Preferred Vocoder (in listed order):*

choice 1:

choice 2:

choice 3:

choice 4:

choice 5:

choice 6:

choice 7:

choice 8:

*Voice Frames per TX:*

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

*iLBC Frame Size:*  20ms  30ms

*Disable OPUS Stereo in SDP:*  No  Yes (removes "/2" from offer)

*iLBC Payload Type:*  (between 96 and 127, default is 97)

*OPUS Payload Type:*  (between 96 and 127, default is 123)

*VAD:*  No  Yes

*Symmetric RTP:*  No  Yes

*Fax Mode:*  T.38  Pass-Through

*Re-INVITE After Fax Tone Detected:*  Enabled  Disabled

*Jitter Buffer Type:*  Fixed  Adaptive

*Jitter Buffer Length:*  Low  Medium  High

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

*Crypto Life Time:*  Disabled  Enabled

*SLIC Setting:*

*Caller ID Scheme:*

*DTMF Caller ID:* *Start Tone*  *Stop Tone*

*Disable Unknown Caller ID:*  No  Yes

*Replace Beginning '+' with*  No  Yes

*00 in Caller ID:**Polarity Reversal:*  No  Yes (reverse polarity upon call establishment and termination)*Loop Current Disconnect:*  No  Yes (loop current disconnect upon call termination)*Play busy/reorder tone before Loop Current Disconnect:*  No  Yes (play busy/reorder tone before loop current disconnect upon call fail)*Loop Current Disconnect Duration:*  (100 - 10000 milliseconds. Default 200 milliseconds)*Enable Pulse Dialing:*  No  Yes*Pulse Dialing Standard:* *Enable Hook Flash:*  No  Yes*Hook Flash Timing:* In 40-2000 milliseconds range, minimum:  maximum: *On Hook Timing:*  (In 40-2000 milliseconds range, default is 400)*Gain:* TX  RX *Disable Line Echo Canceller (LEC):*  No  Yes*Disable Network Echo Suppressor:*  No  Yes*Outgoing Call Duration Limit:*  (0-180 minutes, default is 0 (No Limit) )*Ring Frequency:* *Enable High Ring Power:*  No  Yes*RFC2833 Events Count:*  (between 2 and 10, default is 8)*RFC2833 End Events Count:*  (between 2 and 10, default is 3)**Ring Tones** (Syntax: c=on1/off1-on2/off2-on3/off3;)*Ring Tone 1:* *Ring Tone 2:* *Ring Tone 3:* *Ring Tone 4:* *Ring Tone 5:* *Ring Tone 6:* *Ring Tone 7:* *Ring Tone 8:* *Ring Tone 9:* *Ring Tone 10:* **Call Features Settings***Enable Call Features:*  No  Yes  Enable All

(When enabled, Do No Disturb, Call Forward and other call features can be used via the local feature codes on the phone. Otherwise, the ITSP feature codes will be used. Enable All will override all individual features enable setting.)

*Reset Call Features:*  No  Yes-----  
*SRTP Feature:*  No  Yes*Enable SRTP:* *Disable SRTP:*

-----  
SRTP per call Feature:  No  Yes

*Enable SRTP per call:*

*Disable SRTP per call:*

-----  
CID Feature:  No  Yes

*Enable CID:*

*Disable CID:*

-----  
CID per call Feature:  No  Yes

*Enable CID per call:*

*Disable CID per call:*

-----  
Direct IP Calling Feature:  No  Yes

*Direct IP Calling:*

-----  
CW Feature:  No  Yes

*Enable CW:*

*Disable CW:*

-----  
CW per call Feature:  No  Yes

*Enable CW per call:*

*Disable CW per call:*

-----  
Call Return Feature:  No  Yes

*Call Return:*

-----  
Unconditional Forward  
Feature:  No  Yes

*Enable Unconditional  
Forward:*

*Disable Unconditional  
Forward:*

-----  
Busy Forward Feature:  No  Yes

*Enable Busy Forward:*

*Disable Busy Forward:*

-----  
Delayed Forward Feature:  No  Yes

*Enable Delayed Forward:*

*Disable Delayed Forward:*

-----  
Paging Feature:  No  Yes

*Paging:*

-----  
DND Feature:  No  Yes

Enable DND:

Disable DND:

-----  
Blind Transfer Feature:  No  Yes

Enable Blind Transfer:

-----  
Disable LEC per call  
Feature:  No  Yes

Disable LEC per call:

-----  
Disable Bellcore Style 3-  
Way Conference:  No  Yes

Star Code 3WC Feature:  No  Yes

Star Code 3WC:

-----  
Forced Codec Feature:  No  Yes

Forced Codec:

PCMU Codec Feature:  No  Yes

PCMU Codec:

PCMA Codec Feature:  No  Yes

PCMA Codec:

G723 Codec Feature:  No  Yes

G723 Codec:

G729 Codec Feature:  No  Yes

G729 Codec:

iLBC Codec Feature:  No  Yes

iLBC Codec:

G722 Codec Feature:  No  Yes

G722 Codec:

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