



# LUNAprone Grandstream HT286 Configuration



In the equipment configuration page (the example shows the most difficult configuration with DHCP and NAT servers enabled):

## Grandstream HandyTone 286 Configuration

<b>MAC Address:</b>	00.0B.82.01.73.78
<b>Product Model:</b>	HT286
<b>Software Version:</b>	Program--1.0.5.3    Bootloader--1.0.0.18    HTML--1.0.0.36    VOC--1.0.0.6 detected NAT type is port restricted cone
<b>Admin Password:</b>	<input type="text"/> (password to configure this IP phone)
<b>IP Address:</b>	<input checked="" type="checkbox"/> dynamically assigned via DHCP (default) or PPPoE (will attempt PPPoE if DHCP fails and following is non-blank) <div style="margin-left: 20px;"> PPPoE account ID: <input type="text"/>  PPPoE password: <input type="text"/> </div> Use this DNS server (if specified): <input type="text" value="0"/> . <input type="text" value="0"/> . <input type="text" value="0"/> . <input type="text" value="0"/> <input type="checkbox"/> statically configured as: <div style="margin-left: 20px;"> IP Address: <input type="text" value="192"/> . <input type="text" value="168"/> . <input type="text" value="100"/> . <input type="text" value="129"/>  Subnet Mask: <input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="0"/>  Default Router: <input type="text" value="192"/> . <input type="text" value="168"/> . <input type="text" value="0"/> . <input type="text" value="1"/>  DNS Server 1: <input type="text" value="0"/> . <input type="text" value="0"/> . <input type="text" value="0"/> . <input type="text" value="0"/>  DNS Server 2: <input type="text" value="0"/> . <input type="text" value="0"/> . <input type="text" value="0"/> . <input type="text" value="0"/> </div>
<b>SIP Server:</b>	<input type="text" value="216.206.188.214:5070"/> (e.g., sip.mycompany.com, or IP address)
<b>Outbound Proxy:</b>	<input type="text" value="216.206.188.214:5070"/> (e.g., proxy.myprovider.com, or IP address, if any)
<b>SIP User ID:</b>	<input type="text" value="LUNAprone PIN"/> Put <b>LUNAprone PIN</b> here!
<b>Authenticate ID:</b>	<input type="text" value="LUNAprone PIN"/> (can be identical to or different from <b>SIP User ID</b> )
<b>Authenticate Password:</b>	<input type="text" value="*****"/> Put <b>LUNAprone PASSWORD</b> here!
<b>Name:</b>	<input type="text" value="LUNAprone PIN"/> (optional, e.g., John Doe)

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

choice 1:

choice 2:

choice 3:

choice 4:

choice 5:

choice 6:

choice 7:

**G723 rate:**  6.3kbps encoding rate  5.3kbps encoding rate**iLBC frame size:**  20ms  30ms**iLBC payload type:**  (between 96 and 127, default is 98)**Silence Suppression:**  No  Yes**Voice Frames per TX:**  (up to 10/20/32/64 for G711/G726/G723/other codecs respectively)**Layer 3 QoS:**  (Diff-Serv or Precedence value)**Layer 2 QoS:** 802.1Q/VLAN Tag  802.1p priority value  (0-7)**Use DNS SRV:**  No  Yes**User ID is phone number:**  No  Yes**SIP Registration:**  Yes  No**Unregister On Reboot:**  Yes  No**Register Expiration:**  (in minutes. default 1 hour, max 45 days)**Early Dial:**  No  Yes (use "Yes" only if proxy supports 484 response)**Dial Plan Prefix:**  (this prefix string is added to each dialed number)**No Key Entry Timeout:**  (in seconds, default is 4 seconds)**Use # as Dial Key:**  No  Yes (if set to Yes, "#" will function as the "(Re-)Dial" key)**local SIP port:**  (default 5060)**local RTP port:**  (1024-65535, default 5004)**Use random port:**  No  Yes**NAT Traversal:**  No Yes, STUN server is:  (URI or IP:port)**keep-alive interval:**  (in seconds, default 20 seconds)**Use NAT IP**  (if specified, this IP address is used in SIP/SDP message)**TFTP Server:**  .  .  .  (for remote software upgrade and configuration)**SUBSCRIBE for MWI:**  No, do not send SUBSCRIBE for Message Waiting Indication  
 Yes, send periodical SUBSCRIBE for Message Waiting Indication

Offhook Auto-Dial:	<input type="text"/>	(User ID/extension to dial automatically when offhook)
Enable Call Features:	<input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Yes	(if Yes, Call Forwarding & Do-Not-Disturb are supported locally)
Disable Call-Waiting:	<input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Yes	
Send DTMF:	<input checked="" type="checkbox"/> in-audio <input type="checkbox"/> via RTP (RFC2833) <input type="checkbox"/> via SIP INFO	
DTMF Payload Type:	<input type="text" value="101"/>	
Send Flash Event:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	(Flash will be sent as a DTMF event if set to Yes)
FXS Impedance:	current setting is "600 Ohm (North America)" <input type="button" value="v"/>	
NTP Server:	<input type="text" value="time.nist.gov"/>	(URI or IP address)
Time Zone:	current setting is "GMT+3:00 (Moscow , Kuw ait, Baghdad, Tehran, Nairobi)" <input type="button" value="v"/>	
Daylight Savings Time:	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	(if set to Yes, display time will be 1 hour ahead of normal time)
Send Anonymous:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	(caller ID will be blocked if set to Yes)
Lock keypad update:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	(configuration update via keypad is disabled if set to Yes)
<input type="button" value="Update"/>		

In case of static public IP:

- IP address statically configured as **ata ip** (customer provides)
- SIP server **216.206.188.214:5070**
- Outbound Proxy **216.206.188.214:5070**
- SIP User ID **Username** (LUNAprone PIN)
- Authenticate ID **Username** (LUNAprone PIN)
- Authenticate Password **619c2823** (LUNAprone Password)
- Preferred Vocoder Choice 1 **G729**
- Preferred Vocoder Choice 1 **G723**
- Preferred Vocoder Choice 1 **G729 A/B**
- SIP registrstion **NO**
- NAT traversal **NO**
- Nat Server **time.nist.gov**
- Other setting **default**

In case of public IP using DHCP:

- IP address dinamically assigned via DHCP
- SIP server **216.206.188.214:5070**
- Outbound Proxy **216.206.188.214:5070**
- SIP User ID **LUNAprone PIN**
- Authenticate ID **LUNAprone PIN**
- Authenticate Password **LUNAprone PASSWORD**
- Preferred Vocoder Choice 1 **G729**
- Preferred Vocoder Choice 1 **G723**
- Preferred Vocoder Choice 1 **G729 A/B**
- SIP registrstion **NO**
- NAT traversal **Yes, STUN is 216.206.188.198:3478**
- Nat Server **time.nist.gov**

- Other setting *default*

In case of using NAT and DHCP:

- IP address dynamically assigned via DHCP
- Subnet Mask **255.255.255.0** (example, customer provides)
- Default router **192.168.0.1** (example, customer provides)
- SIP server **216.206.188.214:5070**
- Outbound Proxy **216.206.188.214:5070**
- SIP User ID **LUNAprhne PIN**
- Authenticate ID **LUNAprhne PIN**
- Authenticate Password **LUNAprhne PASSWORD**
- Preferred Vocoder Choice 1 **G729**
- Preferred Vocoder Choice 1 **G723**
- Preferred Vocoder Choice 1 **G729 A/B**
- SIP registration **NO**
- NAT traversal **Yes, STUN is 216.206.188.198:3478**
- Use NAT IP **195.210.173.2** (example, customer provides)
- Nat Server **time.nist.gov**
- Other setting *default*

In case of using NAT (static private ip):

- IP address statically configured as *ata ip* (customer provides)
- Subnet Mask **255.255.255.0** (example, customer provides)
- Default router **192.168.0.1** (example, customer provides)
- SIP server **216.206.188.214:5070**
- Outbound Proxy **216.206.188.214:5070**
- SIP User ID **LUNAprhne PIN**
- Authenticate ID **LUNAprhne PIN**
- Authenticate Password **LUNAprhne PASSWORD**
- Preferred Vocoder Choice 1 **G729**
- Preferred Vocoder Choice 1 **G723**
- Preferred Vocoder Choice 1 **G729 A/B**
- SIP registration **NO**
- NAT traversal **Yes, STUN is 216.206.188.198:3478**
- Use NAT IP **195.210.173.2** (example, customer provides)
- Nat Server **time.nist.gov**
- Other setting *default*