



Configuratie Handleiding

Grandstream GXP-2020

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Grandstream GXP2020

Dit is het topmodel van Grandstream. Ondersteuning voor 6 lijnen, uitgebreide functionaliteiten en heeft een groot verlicht LCD display.



Beknopte omschrijving

6 lijnen, 6 sip accounts,
7 programmeerbare softkeys,
4 interactieve functietoetsen,
13 lijnindicatoren,

Groot verlicht hoog resolutie LCD display
Inclusief voedingsadapter

Functionaliteiten

Adresboek
Gemiste oproepen met datum en tijdsvermelding in het display
Doorschakelen
Snelkiezen
Terugbel functie
Wachtstand
Wisselgesprek
Drie gesprek
Volume knop
Handsfree functie

Technisch

Quality of Service instelbaar
Headset aansluiting (2,5mm en RJ22)
2 ethernet poorten (doorlussen mogelijk)
Power over Ethernet mogelijk



Configuratie stap 1

Nadat u het toestel aansluit en voor het eerst opstart ziet u in het scherm direct onder het Grandstream logo het lokale IP-adres van het toestel staan. Dit vult u in de lokatiebalk van uw browser in: **http://<lokaal-ip-adres>**

U komt in het volgende login-scherm:

A screenshot of the Grandstream Device Configuration login screen. The screen has a white background with a yellow header bar at the top containing the text 'Grandstream Device Configuration' in blue. Below the header is a yellow section containing the label 'Password' in blue and a white text input field. At the bottom of the screen is a white section containing a grey 'Login' button.

Standaard staat het wachtwoord ingesteld op **admin**

Na het login-scherm wordt de volgende pagina getoond:



Grandstream Device Configuration					
STATUS	BASIC SETTINGS	ADVANCED SETTINGS	EXT 1	EXT 2	
ACCOUNT 1	ACCOUNT 2	ACCOUNT 3	ACCOUNT 4	ACCOUNT 5	ACCOUNT 6
Admin Password: <input type="text"/> (purposely not displayed for security protection)					
G723 rate: <input checked="" type="radio"/> 6.3kbps encoding rate <input type="radio"/> 5.3kbps encoding rate					
iLBC frame size: <input checked="" type="radio"/> 20ms <input type="radio"/> 30ms					
iLBC payload type: <input type="text" value="97"/> (between 96 and 127, default is 97)					
Silence Suppression: <input checked="" type="radio"/> No <input type="radio"/> Yes					
Voice Frames per TX: <input type="text" value="1"/> (up to 10/20/32/64 for G711/G726/G723/other codecs respectively)					
Layer 3 QoS: <input type="text" value="48"/> (Diff-Serv or Precedence value)					
Layer 2 QoS: 802.1Q/VLAN Tag <input type="text" value="0"/> 802.1p priority value <input type="text" value="0"/> (0-7)					
Data VLAN Tag: 1: <input type="text" value="0"/> 2: <input type="text" value="0"/> 3: <input type="text" value="0"/> (can't use the same non-zero value as 802.1Q tag)					
No Key Entry Timeout: <input type="text" value="4"/> (in seconds, default is 4 seconds)					
Use # as Dial Key: <input type="radio"/> No <input checked="" type="radio"/> Yes					
local RTP port: <input type="text" value="5004"/> (1024-65400, default 5004, must be even)					
Use random port: <input type="radio"/> No <input checked="" type="radio"/> Yes					
keep-alive interval: <input type="text" value="20"/> (in seconds, default 20 seconds)					
Use NAT IP: <input type="text"/> (if specified, this will be used in SIP/SDP message)					
STUN server: <input type="text" value="stun.gntel.nl"/> (URI or IP:port)					
Firmware Upgrade and Provisioning:					
Upgrade Via <input type="radio"/> TFTP <input checked="" type="radio"/> HTTP					
Firmware Server Path: <input type="text" value="gxp.gntel.nl/firmware"/>					
Config Server Path: <input type="text"/>					
Firmware File Prefix: <input type="text"/>					
Firmware File Postfix: <input type="text"/>					
Config File Prefix: <input type="text"/>					
Config File Postfix: <input type="text"/>					
Allow DHCP Option43 and Option 66 to override server:					
<input type="radio"/> No <input checked="" type="radio"/> Yes					
Automatic Upgrade:					
<input checked="" type="radio"/> No <input type="radio"/> Yes, check for upgrade every <input type="text" value="60"/> minutes (default 7 days)					
<input type="radio"/> Always Check for New Firmware					
<input type="radio"/> Check New Firmware only when F/W pre/suffix changes					
<input checked="" type="radio"/> Always Skip the Firmware Check					
Authenticate Conf File:					
<input checked="" type="radio"/> No <input type="radio"/> Yes (cfg file would be authenticated before acceptance if set to Yes)					
Phonebook XML Download: Enable Phonebook XML Download:					
<input checked="" type="radio"/> No <input type="radio"/> YES, HTTP <input type="radio"/> YES, TFTP					
Phonebook XML Server Path: <input type="text"/>					
Phonebook Download Interval: <input type="text" value="0"/> (0-720, in minutes)					
Remove Manually-edited entries on Download:					
<input checked="" type="radio"/> No <input type="radio"/> Yes					



LDAP Directory:	LDAP Script Server Path: <input type="text"/>
Idle Screen XML Download:	Enable Idle Screen XML Download: <input type="radio"/> No <input checked="" type="radio"/> YES, HTTP <input type="radio"/> YES, TFTP Use custom filename: <input checked="" type="radio"/> No <input type="radio"/> Yes Idle Screen XML Server Path: <input type="text" value="gxp.gntel.nl/2020"/>
XML Application:	Server Path: <input type="text"/> Softkey Label: <input type="text"/>
Offhook Auto Dial:	<input type="text"/> (User ID/extension to dial automatically when offhook)
DTMF Payload Type:	<input type="text" value="101"/>
Syslog Server:	<input type="text"/>
Syslog Level:	NONE <input type="text"/>
NTP Server:	<input type="text" value="ntp.gntel.nl"/> (URI or IP address) Allow DHCP Option 42 to override NTP server: <input checked="" type="radio"/> No <input type="radio"/> Yes
Public Mode:	<input checked="" type="radio"/> No <input type="radio"/> Yes
Distinctive Ring Tone:	Custom ring tone 1, used if incoming caller ID is <input type="text"/> Custom ring tone 2, used if incoming caller ID is <input type="text"/> Custom ring tone 3, used if incoming caller ID is <input type="text"/>
System Ring Tone:	<input type="text" value="f1=440,f2=480,c=200/400;"/>
Call Progress Tones:	Dial Tone <input type="text" value="f1=350,f2=440;"/> Message Waiting <input type="text" value="f1=350,f2=440,c=10/10;"/> Ring Back Tone <input type="text" value="f1=440,f2=480,c=200/400;"/> Call-Waiting Tone <input type="text"/> Busy Tone <input type="text" value="f1=480,f2=620,c=50/50;"/> Reorder Tone <input type="text" value="f1=480,f2=620,c=25/25;"/> Syntax: f1=val, f2=val [, c=on1/off1 [-on2/off2 [-on3/off3]]]; (Frequencies are in Hz and cadence on and off are in 10ms)
Intercom User ID:	<input type="text"/> (Account 1)
Disable Call-Waiting:	<input checked="" type="radio"/> No <input type="radio"/> Yes
Disable Call-Waiting Tone:	<input checked="" type="radio"/> No <input type="radio"/> Yes
Disable Direct IP Calls:	<input checked="" type="radio"/> No <input type="radio"/> Yes
Use Quick IP-call mode:	<input checked="" type="radio"/> No <input type="radio"/> Yes
Disable Conference:	<input checked="" type="radio"/> No <input type="radio"/> Yes
Lock Keypad Update:	<input checked="" type="radio"/> No <input type="radio"/> Yes (configuration update via keypad is disabled if set to Yes)
Enable MPK sending DTMF:	<input checked="" type="radio"/> No <input type="radio"/> Yes
Disable DND Button:	<input checked="" type="radio"/> No <input type="radio"/> Yes (DND button pressing will have no effect if set to Yes)
Disable Transfer:	<input checked="" type="radio"/> No <input type="radio"/> Yes
Disable Multicast Filter:	<input checked="" type="radio"/> No <input type="radio"/> Yes
Enable Constraint Mode:	<input checked="" type="radio"/> No <input type="radio"/> Yes
Headset Port Type:	<input checked="" type="radio"/> 2.5mm <input type="radio"/> RJ22
Headset TX gain (dB):	+6 dB <input type="text"/>
Headset RX gain (dB):	0 dB <input type="text"/>
Display Language:	<input checked="" type="radio"/> English <input type="radio"/> Chinese <input type="radio"/> Secondary Language <input type="text"/> (Language File postfix)
<input type="button" value="Update"/> <input type="button" value="Cancel"/> <input type="button" value="Reboot"/>	



De juiste instellingen zijn hierboven aangegeven. Met name van belang zijn:

- Voice Frames per TX : 1
- Use random port : Yes
- STUN server : stun.gntel.nl
- Automatic Upgrade : No
- Always Skip the Firmware Check : Aangevinkt
- NTP Server : ntp.gntel.nl

Als de juiste settings zijn ingesteld druk u op 'Update' en kiest vervolgens voor 'Basic Settings'. U komt dan in het volgende scherm:



Grandstream Device Configuration

STATUS ACCOUNT 1	BASIC SETTINGS ACCOUNT 2	ADVANCED SETTINGS ACCOUNT 3	EXT 1 ACCOUNT 5	EXT 2 ACCOUNT 6
End User Password: <input type="text"/> (purposely not displayed for security protection)				
IP Address: <input checked="" type="radio"/> dynamically assigned via DHCP (default) or PPPoE (will attempt PPPoE if DHCP fails and following is non-blank)				
PPPoE account ID: <input type="text"/>				
PPPoE password: <input type="text"/>				
Host name (Option 12): <input type="text"/>				
Domain name (Option 15): <input type="text"/>				
Vendor Class ID (Option 60): <input type="text" value="Grandstream GXP2020"/>				
Preferred DNS server: <input type="text" value="0"/> <input type="text" value=".0"/> <input type="text" value=".0"/> <input type="text" value=".0"/>				
<input type="radio"/> statically configured as:				
IP Address: <input type="text" value="0"/> <input type="text" value=".0"/> <input type="text" value=".0"/> <input type="text" value=".0"/>				
Subnet Mask: <input type="text" value="0"/> <input type="text" value=".0"/> <input type="text" value=".0"/> <input type="text" value=".0"/>				
Gateway: <input type="text" value="0"/> <input type="text" value=".0"/> <input type="text" value=".0"/> <input type="text" value=".0"/>				
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"/>				
Multi Purpose Key 1: Key Mode: <input type="text" value="Speed Dial"/> Account: <input type="text" value="Account 1"/> Name: <input type="text"/> UserID: <input type="text"/>				
Multi Purpose Key 2: Key Mode: <input type="text" value="Speed Dial"/> Account: <input type="text" value="Account 1"/> Name: <input type="text"/> UserID: <input type="text"/>				
Multi Purpose Key 3: Key Mode: <input type="text" value="Speed Dial"/> Account: <input type="text" value="Account 1"/> Name: <input type="text"/> UserID: <input type="text"/>				
Multi Purpose Key 4: Key Mode: <input type="text" value="Speed Dial"/> Account: <input type="text" value="Account 1"/> Name: <input type="text"/> UserID: <input type="text"/>				
Multi Purpose Key 5: Key Mode: <input type="text" value="Speed Dial"/> Account: <input type="text" value="Account 1"/> Name: <input type="text"/> UserID: <input type="text"/>				
Multi Purpose Key 6: Key Mode: <input type="text" value="Speed Dial"/> Account: <input type="text" value="Account 1"/> Name: <input type="text"/> UserID: <input type="text"/>				
Multi Purpose Key 7: Key Mode: <input type="text" value="Speed Dial"/> Account: <input type="text" value="Account 1"/> Name: <input type="text"/> UserID: <input type="text"/>				
Time Zone: <input type="text" value="GMT+1:00 (Paris, Amsterdam, Berlin, Rome, Vienna, Madrid, Warsaw, Brussels)"/>				
Allow DHCP Option 2 to override Time Zone setting: <input checked="" type="radio"/> No <input type="radio"/> Yes				
Daylight Savings Time: <input type="radio"/> No <input checked="" type="radio"/> Yes				
Optional Rule: <input type="text" value="3,-1,7,1,0;10,-1,7,1,0;60"/>				
LCD Backlight Brightness: Active <input type="text" value="4"/> Idle <input type="text" value="0"/> (0-8, where 0 is off and 8 is brightest)				
LCD Contrast: <input type="text" value="12"/> (0-20)				
Time Display Format: <input type="radio"/> 12 HOUR <input checked="" type="radio"/> 24 HOUR				
Disable in-call DTMF display: <input checked="" type="radio"/> No <input type="radio"/> Yes				
Mute Speaker Ringer: <input checked="" type="radio"/> No <input type="radio"/> Yes				
Disable Missed Call Backlight: <input type="radio"/> No <input checked="" type="radio"/> Yes				
HEADSET Key Mode: <input checked="" type="radio"/> Default Mode <input type="radio"/> Toggle Headset/Speaker				
<input type="button" value="Update"/> <input type="button" value="Cancel"/> <input type="button" value="Reboot"/>				



De meeste instellingen kunt u laten staan. Afhankelijk van uw lokale netwerkconfiguratie kunt u onder IP Address ervoor kiezen het toestel een statisch IP-adres toe te kennen. In de meeste gevallen verdient DHCP de voorkeur. Verder past u in ieder geval de volgende instellingen aan:

- Time Zone : GMT +1:00
- Daylight Savings Time : Yes
- Optional Rule : 3,-1,7,1,0;10,-1,7,1,0;60

U drukt weer op 'Update' en kiest daarna 'Account 1'.

Grandstream Device Configuration					
STATUS	BASIC SETTINGS	ADVANCED SETTINGS		EXT 1	EXT 2
ACCOUNT 1	ACCOUNT 2	ACCOUNT 3	ACCOUNT 4	ACCOUNT 5	ACCOUNT 6
Account Active: <input type="radio"/> No <input checked="" type="radio"/> Yes					
Account Name: <input type="text" value="gnTel"/> (e.g., MyCompany)					
SIP Server: <input type="text" value="sip.gntel.nl"/> (e.g., sip.mycompany.com, or IP address)					
Outbound Proxy: <input type="text"/> (e.g., proxy.myprovider.com, or IP address)					
SIP User ID: <input type="text" value="<accountcode>"/> (the user part of an SIP address)					
Authenticate ID: <input type="text" value="<accountcode>"/> (can be same or different from SIP UserID)					
Authenticate Password: <input type="text" value="<password>"/> (not displayed for security protection)					
Name: <input type="text"/> (optional, e.g., John Doe)					
Use DNS SRV: <input checked="" type="radio"/> No <input type="radio"/> Yes					
User ID is phone number: <input checked="" type="radio"/> No <input type="radio"/> Yes					
SIP Registration: <input type="radio"/> No <input checked="" type="radio"/> Yes					
Unregister On Reboot: <input type="radio"/> No <input checked="" type="radio"/> Yes					
Register Expiration: <input type="text" value="5"/> (in minutes. default 1 hour, max 45 days)					
local SIP port: <input type="text" value="5060"/> (default 5060)					
SIP Registration Failure Retry Wait Time: <input type="text" value="5"/> (in seconds. Between 1-3600, default is 20)					
SIP T1 Timeout: <input type="text" value="1 sec"/>					
SIP T2 Interval: <input type="text" value="4 sec"/>					
SIP Transport: <input checked="" type="radio"/> UDP <input type="radio"/> TCP					
Use RFC3581 Symmetric Routing: <input checked="" type="radio"/> No <input type="radio"/> Yes					
NAT Traversal (STUN): <input type="radio"/> No <input type="radio"/> No, but send keep-alive <input checked="" type="radio"/> Yes					
SUBSCRIBE for MWI: <input type="radio"/> No <input checked="" type="radio"/> Yes					
PUBLISH for Presence: <input type="radio"/> No <input checked="" type="radio"/> Yes					
Proxy-Require: <input type="text"/>					
Voice Mail UserID: <input type="text"/> (UserID for voice mail system)					
Send DTMF: <input type="checkbox"/> in-audio <input checked="" type="checkbox"/> via RTP (RFC2833) <input type="checkbox"/> via SIP INFO					
Early Dial: <input checked="" type="radio"/> No <input type="radio"/> Yes (use "Yes" only if proxy supports 484 response)					
Dial Plan Prefix: <input type="text"/> (this prefix string is added to each dialed number)					
Delayed Call Forward Wait Time: <input type="text" value="20"/> (Allowed range 1-120, in seconds.)					
Enable Call Features: <input type="radio"/> No <input checked="" type="radio"/> Yes (if yes, call features using star codes will be supported locally)					
Call Log: <input checked="" type="radio"/> Log All Calls					
<input type="radio"/> Log Incoming/Outgoing only (Missed calls NOT recorded)					
<input type="radio"/> Disable Call Log					



Session Expiration:	<input type="text" value="180"/>	(in seconds. default 180 seconds)
Min-SE:	<input type="text" value="90"/>	(in seconds. default and minimum 90 seconds)
Caller Request Timer:	<input checked="" type="radio"/> No	<input type="radio"/> Yes (Request for timer when making outbound calls)
Callee Request Timer:	<input checked="" type="radio"/> No	<input type="radio"/> Yes (When caller supports timer but did not request one)
Force Timer:	<input checked="" type="radio"/> No	<input type="radio"/> Yes (Use timer even when remote party does not support)
UAC Specify Refresher:	<input type="radio"/> UAC	<input type="radio"/> UAS <input checked="" type="radio"/> Omit (Recommended)
UAS Specify Refresher:	<input checked="" type="radio"/> UAC	<input type="radio"/> UAS (When UAC did not specify refresher tag)
Force INVITE:	<input checked="" type="radio"/> No	<input type="radio"/> Yes (Always refresh with INVITE instead of UPDATE)
Enable 100rel:	<input checked="" type="radio"/> No	<input type="radio"/> Yes
Account Ring Tone:	<input checked="" type="radio"/> system ring tone <input type="radio"/> custom ring tone 1 <input type="radio"/> custom ring tone 2 <input type="radio"/> custom ring tone 3	
Ring Timeout:	<input type="text" value="60"/>	(in seconds. Between 30-3600, default is 60)
Send Anonymous:	<input checked="" type="radio"/> No	<input type="radio"/> Yes (caller ID will be blocked if set to Yes)
Anonymous Method:	<input type="radio"/> Use From Header	<input checked="" type="radio"/> Use Privacy Header
Anonymous Call Rejection:	<input checked="" type="radio"/> No	<input type="radio"/> Yes
Auto Answer:	<input checked="" type="radio"/> No	<input type="radio"/> Yes
Allow Auto Answer by Call-Info:	<input checked="" type="radio"/> No	<input type="radio"/> Yes
Turn off speaker on remote disconnect:	<input checked="" type="radio"/> No	<input type="radio"/> Yes
Check SIP User ID for incoming INVITE:	<input checked="" type="radio"/> No	<input type="radio"/> Yes
Refer-To Use Target Contact:	<input checked="" type="radio"/> No	<input type="radio"/> Yes
Disable Multiple Media Attribute in SDP:	<input checked="" type="radio"/> No	<input type="radio"/> Yes
Preferred Vocoder: (in listed order)	choice 1: <input type="text" value="PCMA"/> <input type="button" value="v"/> choice 2: <input type="text" value="PCMA"/> <input type="button" value="v"/> choice 3: <input type="text" value="PCMA"/> <input type="button" value="v"/> choice 4: <input type="text" value="PCMA"/> <input type="button" value="v"/>	choice 5: <input type="text" value="PCMA"/> <input type="button" value="v"/> choice 6: <input type="text" value="PCMA"/> <input type="button" value="v"/> choice 7: <input type="text" value="PCMA"/> <input type="button" value="v"/> choice 8: <input type="text" value="PCMA"/> <input type="button" value="v"/>
SRTP Mode:	<input checked="" type="radio"/> Disabled <input type="radio"/> Enabled but not forced <input type="radio"/> Enabled and forced <input type="radio"/> Optional	
eventlist BLF URI:	<input type="text"/>	
Special Feature:	<input type="text" value="Standard"/>	
<input type="button" value="Update"/> <input type="button" value="Cancel"/> <input type="button" value="Reboot"/>		

De juiste instellingen zijn hierboven aangegeven. Met name van belang zijn:

- Account Name : bij voorkeur het interne toestelnummer of anders 'gnTel'
- SIP Server : sip.gntel.nl
- SIP User ID : het account wat u van gnTel ontvangen hebt
- Authenticate ID : hetzelfde account als bij SIP User ID
- Authenticate Password : het wachtwoord dat u van gnTel ontvangen heeft
- NAT Traversal (STUN) : Yes
- Send DTMF : via RTP (RFC2833)
- Preferred Vocoder : vul overal PCMA in

Tenslotte drukt u weer op 'Update' en daarna op 'Reboot'. Het toestel wordt opnieuw opgestart waarna het zich bij gnTel registreert. U knut nu gebruik maken van gnTel-telefonie.



Firmware Update

Soms kan het wenselijk zijn om een firmware update uit te voeren. U logt dan op de hierboven beschreven wijze op het toestel in en vult onder ADVANCED SETTINGS het volgende in:

- Upgrade Via : http
- Firmware Server Path : gxp.gntel.nl/firmware
- Automatic Upgrade : Yes, check for upgrade every 60 minutes
- Always Check for New Firmware : aangevinkt

Vervolgens druk u op 'Update' en dan op 'Reboot'. Het toestel start opnieuw op en werkt, indien nodig, de firmware bij. Let op dat u het toestel niet gebruikt of herstart totdat de upgrade afgerond is! Na het upgraden restart het toestel zichzelf en komt weer in de normale modus. U logt opnieuw in en stelt onder ADVANCED SETTINGS het volgende in:

- Automatic Upgrade : No
- Always Skip the Firmware Check : aangevinkt

U drukt weer op Update en tenslotte op Reboot.