Grandstream HT801 (Park & Page use ONLY)

Last Modified on 05/28/2025 7:04 pm EDT

The HT801 is used in a special case for the Park & Page application and connects to an analog paging interface.

NOTE: The HT801 is NOT enabled or supported to be assigned to a user.

HT801 Setup

Connect the HT801 to your network according to the instructions included with the device. When the IP address is discovered, enter it in the address bar of a web browser to go to the Grandstream Device Configuration Utility.

NOTE: Attaching an analog phone to the analog port, you can use the integrated IVR to obtain the IP address as follows:

- Go off-hook and press *** in quick succession.
- When prompted to enter the option, dial 02; the IVR will then play the current IP address.
 - If you press 002, it will change the language to Chinese, go back onhook, wait a second, then go off hook again, dial *** then 001 to change it back to English.

Status...

System Info

Here, it is important to note the running firmware. In particular, pay attention to the 'Program' version as seen below.

IMPORTANT: This article covers the HT801v2 hardware running at least 1.0.5.4 firmware. If you have lower firmware, update the device to this level or later.



Port Status

Once configured, under this page, you can also verify that your device has successfully Registered with the iPECS Cloud system.

S HT801V2				Q English ~	admin じ
i≣ Status ^	Port Status				
System Info	Port Status				
Network Status	Port	Hook	SIP User ID	Registration	Sip Port
Port Status	FXS 1	On Hook	69000327799	Registered	5060

System Settings -> Security Settings...

Vertical recommends making the following changes:

Web/SSH Access tab:

- Web Access Mode: Set to HTTPS
 - Changing this option to HTTPS will make use of a self-signed certificate. While you can configure a custom certificate, that is beyond the scope of this article.
- Enable SSH: Ensure this box is <u>unchecked</u>.

When the above is completed, scroll to the bottom of the page and click 'Apply' and the changes will be confirmed.

NOTE: At this point, you must re-navigate to the page using https.

S HT801V2		Q English ~ admir
🚍 Status 🗸 🗸	Security Settings	
Ge System Settings	Web/SSH Access User Info Management Client Certificate	e Trusted CA Certificates
Basic Settings	Web Access	
Time and Language	Web Access Mode ③) HTTPS HTTP Disabled
Ringtone	HTTP Web Port 📀	80
Security Settings	HTTPS Web Port 🕜	443
Management Settings	Wab Session Timeout	10
RADIUS Settings	Men Sezzion Hilleont ()	10
E911/HELD	Web Access Attempt Limit 🕜	5
Retwork Settings	Web Lockout Duration ③	15
🗶 Maintenance 🗸 🗸	Enable User Level Web Access 🕝	
_	Enable Viewer Level Web Access 🕜)
🙀 Port Settings 🛛 🗸	SSH	
	Enable SSH ③	

User Info Management tab:

While you are prompted to change the admin password during first login, you can also change again here if desired.

IMPORTANT: Please document the new password as it cannot be recovered and if lost, the device will need to be reset to factory.

S HT801V2					Q Englis	
i≣ Status ~	Security Setting	gs				
🗔 System Settings ^	Web/SSH Access	User Info Management	Client Certificate	Trusted CA Certific	ates	
Basic Settings	Password Rules					
Time and Language		Enable strict	password rules 📀	_ ()		
Ringtone		Minimum p	assword length 🕐	8		
Security Settings		Dequired purpher of a		2		
Management Settings		Required number of c		3		
RADIUS Settings		Allowed Cl	haracter classes ⊘	Lower case	Upper case	Numbers
E911/HELD	Password					
		New A	dmin Password 🕐			**
tterwork settings		Confirm A	dmin Password 📀			*

Client Certificate tab:

Configure TLS 1.2 as the only accepted version and disabled Weak TLS Ciphers.

- Enable/Disable Weak TLS Cipher Suites: Set to 'All Of The Above Weak TLS Ciphers Suites'.
 - This is a poorly worded option; but this is the proper setting.
- Minimum TLS Version: Set this to 'TLS 1.2'.
- Maximum TLS Version: Set this also to 'TLS 1.2'.

S HT801V2				Q English ~	admin
≔ Status Ý	Security Settin	gs			
G System Settings	Web/SSH Access	User Info Management	Client Certificate	Trusted CA Certificates	
Basic Settings	SIP TLS				
Time and Language		Enable/Disable Wea	k Cipher Suites 🕐	All Of The Above Weak TLS Ciphers Suites	\sim
Ringtone		SI	PTLS Certificate 📀		
Security Settings					11.
Management Settings		SIP	TLS Private Key ⊘		
RADIUS Settings					11.
E911/HELD		SIP TLS Privat	e Key Password 📀		<i>≻</i> ⊷≺
🤀 Network Settings 🛛 🗸	TLS Version	Minim	um TLS Version	TIC 1 0	
A.C.		MINIM	um ils version 🕜	ILS I.Z	~
🗙 Maintenance 🛛 🗸		Maxim	um TLS Version 💿	TLS 1.2	\sim

Once this has been completed, scroll to the bottom of the page and click 'Apply'.

Maintenance -> Upgrade...

Provision tab:

Disable settings that could attempt to auto-configure your device:

- Allow DHCP Option 43 or 66 or 160 to override server: Box is unchecked.
- Auto Provision: Box is <u>unchecked</u>.

S HT801V2						
🗮 Status	~	Upgrade				
G System Settings	~	Firmware	Config File	Provision	Advanced Settings	
Retwork Settings	~	А	llow DHCP Option	n 43 or 66 or 16	0 to Override Server 🕜	0
X Maintenance	^	L			Auto Provision 🕐	
Upgrade				Enal	ble using tags in URL 🕜	

FXS Port...

General Settings tab:

Account Registration...

- 1. Active Account: Box is <u>checked</u>.
- 2. Primary SIP Server: 66.171.194.10
- 3. Prefer Primary SIP Sever: Will register to Primary Server if Primary Server responds, need to enable SIP

OPTIONS/NOTIFY Keep Alive.

• This box does not expand, it is difficult to read the option.

S HT801V2						$Q \mid English \lor \mid ad$	min
🗮 Status	~	FXS PORT					
System Settings	~	< General Settings	SIP Settings	Codec Settings	Analog Signal Line Configuration	n Call Settings	Adva
Retwork Settings	~	Account Registration					
🔀 Maintenance	~			Account Acti	ve 🕜 🔽		
🙀 Port Settings	^			Primary SIP Serv	er 🕐 66.171.194.10		
FXS PORT				Failover SIP Serv	er 🕐		
			P	refer Primary SIP Serv	ver 🕐 Will register to Prima	ry Server if Primary Serv 🗸	~

4. Starting with 'SIP User ID', the indicated fields must be set:

S HT801V2						Q	English \vee	admin
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Grant System Settings	~	< General Settings	SIP Settings	Codec Settings	Analog Si	gnal Line Configuration	Call Settings	Advar
Retwork Settings	~			SIP User I	D 🕐	690 <tenantnumber><ex< th=""><th>ensionNumber></th><th></th></ex<></tenantnumber>	ensionNumber>	
🔀 Maintenance	~			SIP Authenticate I	D 🕐	HT801		
🙀 Port Settings	^		SIP Au	uthentication Passwor	rd 🕐			*
FXS PORT				Nam	ie 🕐	P&P Test		

- SIP User ID: See note below.
- SIP Authenticate ID: See note below.
- SIP Authentication Password: See note below.
- Name (optional): As this device does not make outbound calls, it won't be used.

NOTE: For the SIP User and Authenticate IDs, launch the iPECS Cloud Manager Console and choose Call Manager > SIP Device. Select the device and make note of the indicated settings.

INFORMATION: If you have multiple sites you wish to deploy these to, you can use the same SIP Authenticate ID and SIP Authentication password, leaving the SIP User ID field blank briefly. Export the rest of the settings and you can use that configuration file to import on the other devices. Then you only need customize the SIP User ID field on the other units.

- SIP Device ID (not the extension number) = 'SIP User ID'
- Authentication ID (not the extension number) = 'SIP Authenticate ID'
- Authentication Password = 'SIP Authentication Password'
 - Not viewable, so if you don't know it, reset it to a known value.

IP Devi	ice					
SIP Devi	ce List					^
	Extension	Name	Device Type	Channel	Direct Dial Call Number	SIP Device ID
1 🔽	27799	Park & Page	Grandstream HT801	1		69000327799
φ			IN SECTION 1	▶> ►I 10 v		View 1 - 2 of 2
					Ad	d Modify Delete
Device T	ype *	Grandstream HT801 (1)		~		
Name *		Park & Page				
Extensio	n *	27799				
Direct Di	al Call Number	NONE		\sim		
Outgoing	g Caller ID	Company Outgoing Caller ID	✓ 6025629898	\sim		
Call Barr	ring Profile *	SBC1-Vertical		\sim		
Emergen	ncy Number	NONE		\sim		
Authenti	cation ID *	HT801				
Authenti	cation Password *	*****				
Channel	Assign *	1			Remaining Channel : 1	

...back to the Grandstream HT801

SIP Settings tab:

- Outgoing Call without Registration: Leave this unchecked. However, this device is NOT supported for making outgoing calls since it will be attached to paging equipment.
- Enable SIP OPTIONS/NOTIFY Keep Alive: Set this to OPTIONS. This will send out SIP OPTIONS messages that will keep the firewall from timing out / closing the port used for the device (not doing so may result inbound calls, i.e. pages, made to the device failing).
- SUBSCRIBE for MWI: Leave this box unchecked.
- Use Random SIP Port: If using multiple units at a single location, then check this; else, leave this unchecked.

S HT801V2									
🗮 Status	~	FXS PORT							
Gystem Settings	~	General Settings	SIP Settings	Codec Settings	Analog Sign	ial Line Conf	iguration	Call Settings	Advar
Retwork Settings	~	SIP Basic Settings							
X Maintenance	~			SIP Regis	tration 🕐				
🙀 Port Settings	^			SIP Tra	nsport 🕜	 UDP 	🔿 ТСР	⊖ TLS	
FXS PORT				Unregister On I	Reboot 🕜	No		 Instance 	
			Outgo	ing Call without Regis	tration 🕜				
				Register Exp	viration 🕐	60			
			R	e-Register before Exp	viration 🕐	0			
			SIP Registra	ation Failure Retry Wa	it Time 🕐	20			
		Use Rand	lom SIP Registra	ation Failure Retry Wa	it Time 🕐				
		Random SI	PRegistration Fa	ailure Retry Wait Time	Range 🕐	60		- 600	
		SIP Registration	Failure Retry Wa	iit Time upon 403 Forl	bidden 🕐	1200			
		Port Voltage Off	upon no SIP Reg	gistration or SIP Regis	tration 🕜	0			
					Failure				
		Dela	ay Time of Port \	/oltage Off Timer Sinc	e Boot 🕜	0			
			Enable SIP	OPTIONS/NOTIFY Kee	p Alive 🕐	O No	OPTIC	DNS 🔿 NOTIF	Y
			SIP OPTIONS	S/NOTIFY Keep Alive I	nterval 🕐	30			
			SIP OPTIONS/	NOTIFY Keep Alive Ma	ax Lost 🕜	3			
				SUBSCRIBE fo	or MWI 🕐				
		Sub	oscribe Retry Wa	iit Time upon 403 Forl	bidden 🕐	0			
				Local S	IP Port 🕐	5060			
				Use Random S	IP Port 🕜				

Codec Settings tab:

- Enable DTMF Negotiation: Leave this box unchecked. (Uses "Preferred DTMF" order without negotiation)
- Fax Mode: Set to 'Pass-Through'. The iPECS Cloud does not support Fax on this device.
- Use Random RTP Port: If using multiple units at a single location, set this to Yes; else leave as default.



Advanced Settings tab:

- Check SIP User ID for Incoming INVITE: Check this box. (This is for security / call control / reporting purposes.)
- Allow Incoming SIP Messages from SIP Proxy Only: Check this box. (This is for security / call control / reporting purposes.)



Call Settings tab:

- Dial Plan: See Dial Plan notes at the end of this article.
- Enable Visual MWI: Leave this box unchecked. No voicemail is supported through this device.

S HT801V2		
🗮 Status	~	FXS PORT
□ System Settings	~	General Settings SIP Settings Codec Settings Analog Signal Line Configuration Call Settings Advanced Settings
Retwork Settings	~	Dial Plan ⑦ { X+ \+X+ *X+ *XX*X+ }
🔀 Maintenance	~	Use # as Dial Key 🕜 🛛 💌
🕞 Port Settings	^	Enable # as Redial Key 🕜 🛛 🔽
FXS PORT		General
S HT801V2		
🗮 Status	~	FXS PORT
Gamma System Settings	~	General Settings SIP Settings Codec Settings Analog Signal Line Configuration Call Settings Advanced Settings
Retwork Settings	~	Enable Visual MWI ③
🔀 Maintenance	~	Visual MWI Type ⑦ 💿 FSK 🔷 NEON
🙀 Port Settings	^	MWI Tone ⑦
FXS PORT		I Call Transfer

Call Features Settings tab:

• Enable Call Features: Set this to No. The iPECS Cloud does <u>not</u> support features enabled on the phone itself; features are supported at the Cloud server level.

S HT801V2									
🗮 Status	~	FXS PORT							
G System Settings	~	General Settings	SIP Settings	Codec Settings	Analog Sigi	nal Line Con	figuration	Call Settings	Advanced Settings
Retwork Settings	~			Enable Local Call Fe	atures 🕜	No	O Yes	O Enable All]
🗙 Maintenance	~			Reset Call Fe	atures 🕜				
🙀 Port Settings	^	SRTP		SDTD E	eature (2)				
FXS PORT				SKILL					
				Fnable SR	PTP call 🔊	16			

Dial Plan Notes...

As this device is used to receive 'calls' to a paging device, it is never used, nor supported, to place outbound calls. Hence no dial plan is required, nor supported. Just leave this as default.

For other configurations, please reference your Grandstream HT801 documentation or contact iPECS Support.