

Author: Van Novat
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Subject: **Connecting ATA to Service Provider**

Introduction:

This paper will be a guide to *configuring* the ATA device and *registering* it with the Service-Provider.

We will most likely be using the same **Provider** used in this paper . **1-VoIP**
They have world wide services.

We can even be a “Sales Agent” for them and configure “Our Unit” prior to sending it to the client. We will need only the *CLIENT PAYMENT METHOD*.

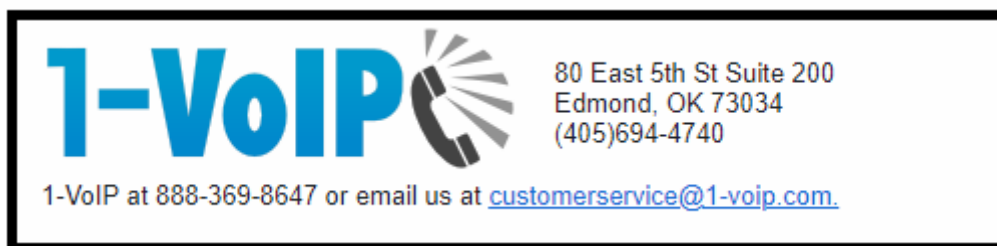
In any case there is 30 day free trial, and the client can pay for it from there on out.
Steps to VoIP:

- Register and Configure GrandStream HT801 Device.
- Parameters to getting an ATA-Connection.

Table of Contents:

1. Device Port Description
2. Physical set up of Device
3. LED Status
4. Configuration Guide Introduction
5. Get MAC and IP Addresses
6. Obtain “email” fro Provider
7. Login to Device Configuration-Page
8. Follow Email Instructions
9. Technical Notes

The VoIP Provider used for testing and initial trials.



Port Description:

Blue Internet Port,

Reset pin-hole (push for 7 seconds)

MicroUSB 5V-1A DC,

Green Phone-Jack (RJ-11 FXS Port)



SETUP of DEVICE:

Connecting HT801

The HT801 designed for easy configuration and easy installation

1. Insert a standard RJ11 telephone cable and connect the telephone cable to a standard touch-tone analog telephone.
2. Insert the Ethernet cable into internet port of the HT801 connect the other end to a router or a modem .
3. Insert the power adapter and connect it to a wall outlet.

Power, Ethernet and Phone LEDs will be solidly lit when ready for use.



LED STATUS:

LED Lights	Status
Power LED 	The Power LED lights up when powered on flashes when booting up.
Internet LED 	The Ethernet LED lights up when is connected and it flashes when data sent or received.
Phone LED for HT801 	The phone LED indicates status of the FXS Port • OFF - Unregistered • ON (Solid Blue) - Registered and Available • Blinking every second - Off-Hook / Busy • Slow blinking - FXS LEDs indicates voicemail

MAC and IP-Address for my TEST Device: (the first one we tried)

NAME	MAC	IP
GrandStream HT 801	C0 :74 :AD :2C :11 :7D	192.168.0.77

CONFIGURATION GUIDE INTRO:

Summary:

- Get IP-Address and MAC-Address
- Call the Service Provider
- They will send an email with instructions.
- The instructions will require YOU to open a “browser page” using the IP-Address
- You will go to a “Tab-Page” and fill in three items.

All these steps are explained further below

GET MAC and IP-ADDRESS:

You will need the MAC-Address and the IP-Address.

The MAC address is written on the device.

The IP-Address is the one “At the Moment of Configuration”

Once configured it can be plugged into any Ethernet Port on Earth

GET the device IP-Address:

- Plug HT801 into internet.
- Plug a phone to the HT801
- Use the phone & “dial” ***02 The phone will “speak” its IP-Address.

Note: Dialing the *star* 3-times opens a “voice menu” and 02 is the IP-Address

GET the device MAC-Address:

The MAC address is obtained by “dialing” ***10

The **User-Manual** has the complete menu.

The EMAIL with the INSTRUCTIONS: (sent by Provider)

Login to the adapter by going to its IP address in a web browser.

You can obtain the IP address, dial *** from a phone connected to the adapter, then enter option 02 when prompted. The automated attendant will read the IP address to you.

Username is admin and the password should be admin.

1. Navigate to the Advanced Settings tab along the top.
 2. Make sure the Upgrade Via is set to HTTP
 3. In the Firmware Server Path, put config.voipperformance.net/gs_fw_new/
 4. In the Config Server Path, put config.voipperformance.net/epmanager/
- Scroll to the bottom of the page, click Apply, then reboot the adapter.

LOGIN TO THE ADAPTER

The IP-Address (used in a Browser) will open a small web page form to fill out.
We will fill in the information from the “email”

Open the Browser page: (example google search 192.162.0.73)

USE the IP-Address of “your” HT801

The opened page will like this. (see below)

ATTENTION: use “admin” as Password (prior to being Registered)

Use “admin4VYL” as password after being Registered

Grandstream Device Configuration

Username: admin

Password:

Login

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admin Use “admin” as Password (prior to being Registered)

admin4VYL Use “admin4VYL” as password after being Registered

After login comes the “home page”

On the top line are “tabs”. Choose “advanced Settings”

It will open the “desired page” (see the next figure below this one)

Grandstream Device Configuration

STATUS BASIC SETTINGS ADVANCED SETTINGS FXS PORT

MAC Address: C0:74:AD:2C:11:7D

IPv4 Address: 192.168.0.77

IPv6 Address:

VPN IPv4 Address:

VPN IPv6 Address:

Product Model: HT801

Serial Number: 207GHMVL802C117D

Hardware Version: V1.1A Part Number -- 9610003611A

Software Version: Program -- 1.0.27.2 Bootloader -- 1.0.27.1 Core -- 1.0.27.2 Base -- 1.0.27.2

CPE -- 1.0.1.153

Software Status: Running Mem: 18920

System Up Time: 22:34:54 up 3:36

CPU Load: 28%

Network Cable Status: Up 100Mbps Full

PPPoE Link Up: Disabled

NAT: Unknown NAT

Port Status:

Port	Hook	User ID	Registration
FXS	On Hook		Not Registered

Port Options:

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

CDR File: [Download] [Preview] [Delete]

SIP File: None

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

Core Dump: Clean

GR909: [Test Page](#)

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FOLLOW (email) INSTRUCTIONS:

Fill in the items (in RED) 2 & 3 & 4

It should look like the “image below”

After doing this, we call the Provider back and he finishes Registration.

We must do a power reset after all this.

Grandstream Device Configuration

STATUS

BASIC SETTINGS

1ADVANCED SETTINGS

FXS PORT1

FXS PORT2

New Admin Password:

(Must contain 8-30 characters, at least one number, one uppercase and lowercase letter, and one special character. Purposely not displayed for security protection.)

Confirm Admin Password:

Disable User Level Web Access:

☒ No

☐ Yes

Disable Viewer Level Web Access:

☒ No

☐ Yes

802.1Q/VLAN Tag

0

(0-4094)

Layer 2 QoS:

SIP 802.1p

0

(0-7)

RTP 802.1p

0

(0-7)

Black List for WAN Side Port:

STUN server is:

stun.1-voip.com

(URI or IP:port)

Keep-alive Interval:

20

(in seconds, default 20 seconds)

Use STUN to detect network connectivity:

☐ No

☒ Yes, total STUN response misses

3

 to restart DHCP (mininum=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

2☒ HTTP

☐ HTTPS

☐ FTP

☐ FTPS

Firmware Server Path:

config.voipperformance.net/gs_fm_new/

3&4Config Server Path:

config.voipperformance.net/epmanager

XML Config File Password:

HTTP/HTTPS/FTP/FTPS User Name:

HTTP/HTTPS/FTP/FTPS Password:

TECHNICAL NOTES:

The following information is for geeks only.

I got this info during a conversation with the Voip-Technician. It is printed here for whom it may interest.

Understand the admin-process of “registering” an ATA connected to a Voip-Service-Provider (SIP-Server) .

The server when called will want 5 Info-Items:

- Name: 5054487641 (this is the tel number allotted to “user”) (area code 505)
- PassWrd: 66b7f4864e (assigned by Voip-Provider)
- Domain: resi2-1.1-voip.com (this is web-site of SIP- Server)
- MAC: ... (the MAC address of the ATA)
- IP: ... (the IP address location of the ATA at users Location)

(If the ATA is well known to the Provider)

The “Provider” has XML files that will call up the ATA-device and “install” the above 5-Info into the device.

- We give the Provider the MAC & IP addresses (over the phone or by text)
- The provider sent the email with instructions.
- We will open a Browser-Page (that resides inside the tiny device)
- As Instructed; we put the “two Paths” in the “browser-page” (these paths point to the XML files used by the Service-Provider to automate the registration).

These paths are the Config-Path and Firmware-Path

The XML file (at the Provider-Server) will call our ATA-Device and will in turn put in the 5-Info-Items in that very same Browser-Page automatically.

Those 5-Info_items are used for connection purposes.

This is an email sent with three of the vital items for my “setup”



80 East 5th St Suite 200
Edmond, OK 73034
(405)694-4740

There are basically 3-4 settings you will need to use

Username: 5054487641
Password: 66b7f4864e
Domain: resi2-1.1-voip.com

The Domain also referred to Host, the Proxy, SIP Server

PLEASE NOTE! Computer Users: if the firewall pops up a message to allow the softphone application, you must do this for it to work properly.

1-VoIP at 888-369-8647 or email us at customerservice@1-voip.com