



GRANDSTREAM HT812, HT814 Handy Tone Analog VoIP Gateway User Guide

[Home](#) » [GRANDSTREAM](#) » GRANDSTREAM HT812, HT814 Handy Tone Analog VoIP Gateway User Guide 

Contents

- 1 GRANDSTREAM HT812, HT814 Handy Tone Analog VoIP Gateway
- 2 Product Overview
- 3 Product Usage Instructions
- 4 PRODUCT OVERVIEW
- 5 GETTING STARTED
- 6 HT812/HT814 Ports Description
- 7 Connecting HT812/HT814
- 8 CONFIGURATION GUIDE
- 9 Configuring HT812/HT814 Through Voice Prompts
- 10 CALL FEATURES
- 11 CALL OPERATIONS
- 12 RESTORE FACTORY DEFAULT SETTINGS
- 13 CHANGE LOG
- 14 Documents / Resources
 - 14.1 References



GRANDSTREAM HT812, HT814 Handy Tone Analog VoIP Gateway



Product Overview

The Grandstream Networks, Inc. HT812/HT814 is an Analog Telephone Adapter (ATA) that allows users to connect analog phones fax machines to a digital VoIP network. It supports various voice codecs, telephony features, and protocols/standards.

Feature Highlights

The HT812/HT814 has the following major features:

- Two (2) RJ11 FXS ports for HT812. Four (4) RJ11 FXS sports for HT814.
- Two (2) 10/100/1000 Mbps Ethernet port (RJ45).
- Caller ID display or block, call waiting, flash, blind or attended transfer, forward, hold, do not disturb, 3-way conference.
- G.711 with Annex I (PLC) and Annex II (VAD/CNG), G.723.1, G.729A/B, G.726, iLBC, OPUS, G722, dynamic jitter buffer, advanced line echo cancellation.
- T.38 compliant Group 3 Fax Relay up to 14.4kbps and auto-switch to G.711 for Fax Pass-through.
- TCP/IP/UDP, RTP/RTCP, HTTP/HTTPS, FTP/FTPS, ARP/RARP, ICMP, DNS, DDNS, DHCP, NTP, TFTP, SSH, Telnet, STUN, SIP (RFC3261), SIP over TCP/TLS, SRTP, TR-069.
- Layer 2 (802.1Q VLAN, SIP/RTP 802.1p) and Layer 3 (ToS, Diffserv, MPLS).
- In-audio, RFC2833 and/or SIP INFO.
- FTP, FTPS, HTTP, HTTPS, SSH, Telnet, TFTP, TR-069, secure and automated provisioning using TR069, syslog.
- SRTP, TLS/SIPS/HTTPS/HTTP/SSH/Telnet.

HT812/HT814 Technical Specifications

The HT812/HT814 supports the following technical specifications:

| Interfaces | HT812 / HT814 |
|--------------------------|---|
| Telephone Interfaces | Two (2) RJ11 FXS ports for HT812. Four (4) RJ11 FXS sports for HT814. |
| Network Interface | Two (2) 10/100/1000 Mbps Ethernet port (RJ45). |
| LED Indicators | POWER, LAN, WAN, PHONE1, PHONE2 for HT812. POWER, LAN, WAN, PHONE1, PHONE2, PHONE3, PHONE4 for HT814. |
| Factory Reset Button | Yes. |
| Voice Codecs | G.711 with Annex I (PLC) and Annex II (VAD/CNG), G.723.1, G.729A/B, G.726, iLBC, OPUS, G722, dynamic jitter buffer, advanced line echo cancellation. |
| Fax over IP | T.38 compliant Group 3 Fax Relay up to 14.4kpbs and auto-switch to G.711 for Fax Pass-through. |
| Caller ID | Bellcore Type 1 & 2, ETSI, BT, NTT, and DTMF-based CID. |
| Disconnect Methods | Busy Tone, Polarity Reversal/Wink, Loop Current. |
| Signaling | TCP/IP/UDP, RTP/RTCP, HTTP/HTTPS, FTP/FTPS, ARP/RARP, ICMP, DNS, DDNS, DHCP, NTP, TFTP, SSH, Telnet, STUN, SIP (RFC3261), SIP over TCP/TLS, SRTP, TR-069. |
| QoS | Layer 2 (802.1Q VLAN, SIP/RTP 802.1p) and Layer 3 (ToS, Diffserv, MPLS). |
| DTMF Methods | In-audio, RFC2833 and/or SIP INFO. |
| Provisioning and Control | FTP, FTPS, HTTP, HTTPS, SSH, Telnet, TFTP, TR-069, secure and automated provisioning using TR069, syslog. |
| Security | SRTP, TLS/SIPS/HTTPS/HTTP/SSH/Telnet. |
| Management | Syslog support, SSH, Telnet, remote management using web browser. |
| Physical | |
| Universal Power Supply | Input: 100-240VAC, 50-60Hz Output: 12V/0.5A for HT812. Output: 12V/1A for HT814. |
| Environmental | |
| Dimensions and Weight | Dimension: 28.5 x 130 x 90 mm (H x W x D). Weight: 353.33g for HT812 and for 423.5g for HT814. |
| Compliance | FCC/CE/RCM. |

Product Usage Instructions

To use the Grandstream Networks, Inc. HT812/HT814, follow the below instructions:

Equipment Packaging

Check the package contents before installation. The HT812/HT814 ATAs packages contain:

- HT812 Package Contents: HT812 ATA, power adapter, Ethernet cable, telephone cable, and quick installation

guide.

- HT814 Package Contents: HT814 ATA, power adapter, Ethernet cable, telephone cable, and quick installation guide.

Installation

1. Connect the HT812/HT814 to your router, switch or modem using an Ethernet RJ45 network cable.
2. Connect your analog phones or fax machines to the ATA using an RJ-11 telephone cable.
3. Connect the power adapter to the ATA and plug it into an electrical outlet.
4. Wait for the POWER LED to turn solid green.
5. Configure the ATA by accessing its web interface using a web browser on a computer connected to the same network as the ATA.

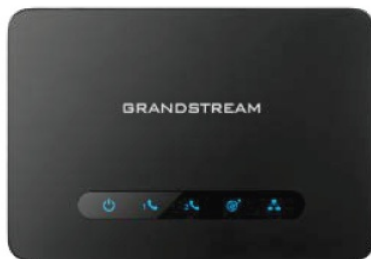
Configuration

To configure the HT812/HT814:

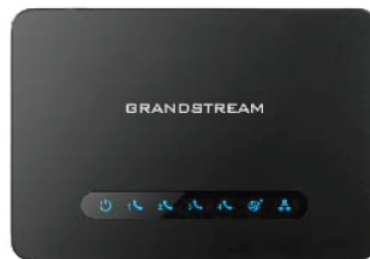
1. Open a web browser on a computer connected to the same network as the ATA.
2. Enter the ATA's IP address in the address bar and press Enter.
3. Enter the default username and password (admin/admin) and click Login.
4. Follow the on-screen instructions to configure the ATA's settings, such as network settings, SIP account settings, and telephony features.
5. Click Save and Apply to save the changes.

After configuration, you can make and receive calls using your analog phones or fax machines connected to the HT812/HT814.

Grandstream Networks, Inc.
HT812/HT814 User Guide



HT812



HT814

HT812/HT814 – User Guide

The HT812/HT814 analog telephone adapters provide transparent connectivity for analog phones and faxes to the world of internet voice. Connecting to any analog phone, fax or PBX, the HT812/HT814 are an effective and flexible solution for accessing internet-based telephone services and corporate intranet systems across established LAN and internet connections. The Grandstream Handy Tones HT812/HT814 are a new addition to the popular Handy Tone ATA products family. This manual will help you learn how to operate and manage your HT812/HT814 analog telephone adapters and make the best use of its many upgraded features including simple

and quick installation, 3-way conferencing, direct IP-IP Calling, and new provisioning support among other features. This HT812/HT814 are very easy to manage and configure, and specifically designed to be an easy to use and affordable VoIP solution for both the residential user and the teleworker.

PRODUCT OVERVIEW

The HT812/HT814 are 2/4 ports analog telephone adapters (ATA) that allows users to create a high-quality and manageable IP telephony solution for residential and office environments. Their ultra-compact size, voice quality, advanced VoIP functionality, security protection and auto provisioning options enable users to take advantage of VoIP on analog phones and enables service providers to offer high quality IP service. The HT812/HT814 are an ideal ATAs for individual use and for large scale commercial IP voice deployments since they permit small and medium businesses to create integrated IP and PSTN telephony systems that efficiently manage communication costs. HT812/HT814's inclusion of an integrated NAT router and dual 10/100/1000Mbps Ethernet WAN and LAN ports enables a shared broadband connection between multiple Ethernet devices as well as the extension of VoIP services to analog phones.

Feature Highlights

The following table contains the major features of the HT812/HT814:



HT812 / HT814

- Support 2 SIP profiles through 2 FXS ports for HT812 and 4 FXS port for HT814 and dual 10/100/1000Mbps Ethernet port for HT812
- Support 3-way voice conferencing.
- Support wide range of caller ID formats.
- Support advanced telephony features, including call transfer, call forward, call-waiting, do not disturb, message waiting indication, multi-language prompts, flexible dial plan and more.
- Support T.38 Fax for creating Fax-over-IP.
- TLS and SRTP security encryption technology to protect calls and accounts.
- Automated provisioning options include TR-069 and XML config files.

- Failover SIP server automatically switches to secondary server if main server loses connection. Use with Grandstream's UCM series of IP PBXs for Zero Configuration provisioning.
- GR-909 Line Testing Functionalities.

Table 1: HT812/HT814 Features at a Glance

HT812/HT814 Technical Specifications

The following table resumes all the technical specifications including the protocols/standards supported, voice codecs, telephony features, languages and upgrade/provisioning settings for the HT812/HT814.

| | |
|----------------------------------|---|
| Telephone Interfaces | Two (2) RJ11 FXS ports for HT812. Four (4) RJ11 FXS ports for HT814. |
| Network Interface | Two (2) 10/100/1000 Mbps Ethernet port (RJ45). |
| LED Indicators | POWER, LAN, WAN, PHONE1, PHONE2 for HT812. POWER, LAN, WAN, PHONE1, PHONE2, PHONE3, PHONE4 for HT814. |
| Factory Reset Button | Yes. |
| Voice, Fax, Modem | |
| Telephony Features | Caller ID display or block, call waiting, flash, blind or attended transfer, forward, hold, do not disturb, 3-way conference. |
| Voice Codecs | G.711 with Annex I (PLC) and Annex II (VAD/CNG), G.723.1, G.729A/B, G.726, iLBC, OPUS, G722, dynamic jitter buffer, advanced line echo cancellation. |
| Fax over IP | T.38 compliant Group 3 Fax Relay up to 14.4kbps and auto-switch to G.711 for Fax Pass-through. |
| Short/Long Haul Ring Load | For HT812: 3 REN, up to 1km on 24AWG line. For HT814: 2 REN, up to 1km on 24AWG line. |
| Caller ID | Bellcore Type 1 & 2, ETSI, BT, NTT, and DTMF-based CID. |
| Disconnect Methods | Busy Tone, Polarity Reversal/Wink, Loop Current. |
| Signaling | |
| Network Protocols | TCP/IP/UDP, RTP/RTCP, HTTP/HTTPS, FTP/FTPS, ARP/RARP, ICMP, DNS, DDNS, DHCP, NTP, TFTP, SSH, Telnet, STUN, SIP (RFC3261), SIP over TCP/TLS, SRTP, TR-069. |
| QoS | Layer 2 (802.1Q VLAN, SIP/RTP 802.1p) and Layer 3 (ToS, Diffserv, MPLS). |
| DTMF Methods | In-audio, RFC2833 and/or SIP INFO. |
| Provisioning and Control | FTP, FTPS, HTTP, HTTPS, SSH, Telnet, TFTP, TR-069, secure and automated provisioning using TR069, syslog. |
| Security | |

| | |
|-------------------------------|--|
| Media | S RTP. |
| Control | TLS/SIPS/HTTPS/HTTP/SSH/Telnet. |
| Management | Syslog support, SSH, Telnet, remote management using web browser. |
| Physical | |
| Universal Power Supply | Input: 100-240VAC, 50-60Hz Output: 12V/0.5A for HT812. Output: 12V/1A for HT814. |
| Environmental | Operational: 32o – 104oF or 0° – 40°C. Storage: 14o – 140oF or -10° – 60°C. Humidity: 10 – 90% Non-condensing. |
| Dimensions and Weight | Dimension: 28.5 x 130 x 90 mm (H x W x D). Weight: 353.33g for HT812 and for 423.5g for HT814. |
| Compliance | |
| Compliance | FCC/CE/RCM. |

Table 2: HT812/HT814 Technical Specifications

GETTING STARTED

This chapter provides basic installation instructions including the list of the packaging contents and also information for obtaining the best performance with the HT812/HT814.

Equipment Packaging

The HT812/HT814 ATAs packages contains:

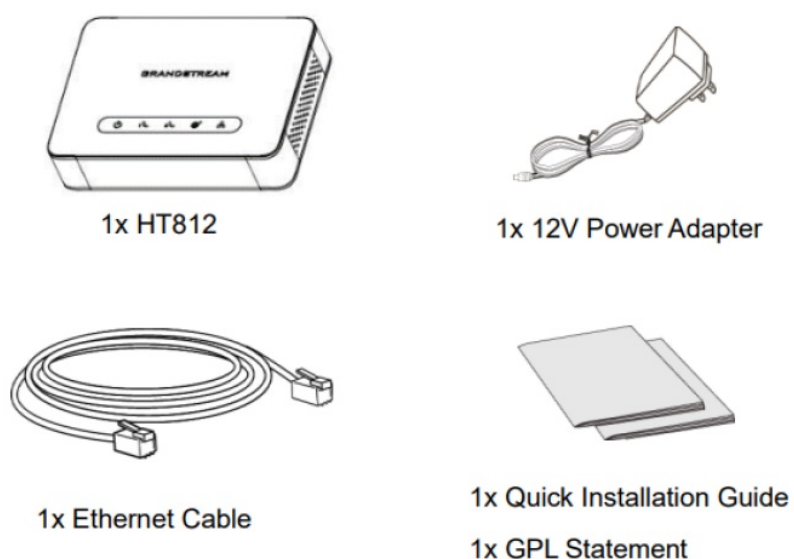
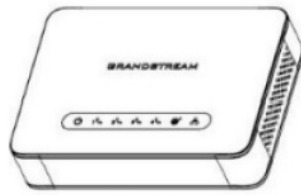


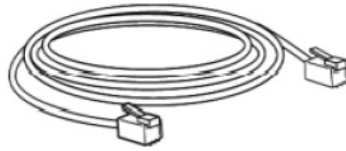
Figure 1: HT812 Package Contents



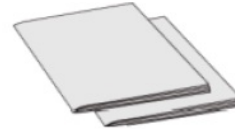
1x HT814



1x 12V Power Adapter



1x Ethernet Cable



1x Quick Installation Guide

1x GPL Statement

Figure 2: HT814 Package Contents

Check the package before installation. If you find anything missing, contact your system administrator.

HT812/HT814 Ports Description

The following figure describes the different ports on the back panel of the HT812/HT814.

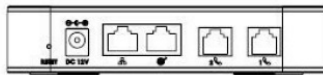


Figure 3: HT812 Back Panel



Figure 4: HT814 Back Panel


| | |
|--|---|
| Phone 1 & 2 (HT812) | Connects the analog phones / fax machines to the ATA using an RJ-11 telephone cable. |
| Phone 1,2,3 & 4 (HT814) | |
| LAN  | Connects the ATA to your router, switch or modem using an Ethernet RJ45 network cable. co |
| LAN | Connects the ATA to your PC or switch using an Ethernet RJ45 network cable. |
| DC Power | Connects the ATA to PSU (12V – 0.5A for HT812) and (12V – 1A for HT814). |
| Reset | Factory reset button. Press for 7 seconds to reset factory default settings. |

Table 3: Definition of the HT812/HT814 Connectors

Connecting HT812/HT814

The HT812/HT814 are designed for easy configuration and installation. To connect your HT812/HT814, please

follow the steps below:

Scenario 1: Connecting the HT812/HT814 using WAN Port

When connecting HT812/HT814 using the WAN port, they will act as simple DHCP Client.

1. Insert a standard RJ11 telephone cable into the phone ports and connect the other end of the telephone cable to a standard touch-tone analog telephone.
2. Connect the WAN port of the HT812/HT814 to a router, switch or modem using an Ethernet cable.
3. Insert the power adapter into the HT812/HT814 and connect it to a wall outlet and make sure to respect the technical specifications of the power adapter used.
4. Power, WAN and Phone LEDs will be solidly lit when the HT812/HT814 is ready for use.

Scenario 2: Connecting the HT812/HT814 using LAN Port

When connecting the HT812/HT814 using the LAN port, they will act as a router and DHCP serving addresses, the devices connected with HT812/HT814 LAN will pull DHCP addresses from your HT812/HT814.

1. Insert a standard RJ11 telephone cable into the phone ports and connect the other end of the telephone cable to a standard touch-tone analog telephone.
2. Connect a computer or switch to the LAN port of the HT812/HT814 using an Ethernet Cable.
3. Insert the power adapter into the HT812/HT814 and connect it to a wall outlet and make sure to respect the technical specifications of the power adapter used.
4. Power, LAN and Phone LEDs will be solidly lit when the HT812/HT814 is ready for use.

Note: Please make sure to enable NAT Router under Web GUI ? Basic Settings ? Device Mode.

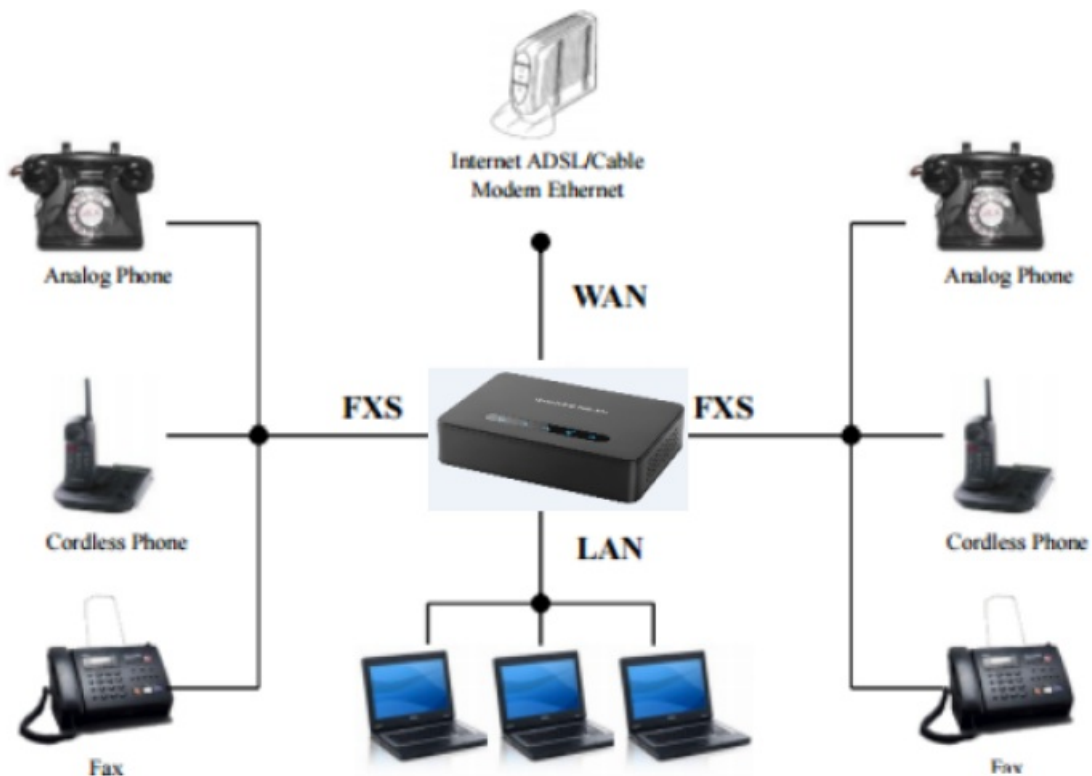


Figure 5: Connecting the HT812/HT814

HT812/HT814 LEDs Pattern

There are four (4) LED types that help you manage the status of your HT812/HT814.



Figure 6: HT812/HT814 LEDs Pattern

| LED Lights | Status |
|--|--|
| Power LED | The Power LED lights up when the HT812/HT814 are powered on and it flashes when the HT812/HT814 is booting up |
| WAN LED | The WAN LED lights up when the HT812/HT814 are connected to your network through the WAN port. |
| LAN LED | The LAN LED lights up when the HT812/HT814 are connected to your network through the LAN port. |
| Phone LED 1&2 (HT812) Phone LED 1,2,3 & 4 (HT814) | The phone LED 1 & 2 indicates status of the respective FXS port-phone on the back panel OFF – Unregistered ON (Solid Blue) – Registered and Available Blinking every 500 ms – Off-Hook / Busy Slow blinking – FXS LEDs indicates voicemail |

Table 4: HT812/HT814 LEDs Pattern Description

CONFIGURATION GUIDE

The HT812/HT814 can be configured via one of two ways:

- The IVR voice prompt menu.
- The Web GUI embedded on the HT812/HT814 using PC's web browser.

Obtain HT812/HT814 IP Address via Connected Analogue phone

HT812/HT814 are by default configured to obtain the IP address from DHCP server where the unit is located. In order to know which IP address is assigned to your HT812/HT814, you should access to the “Interactive Voice Response Menu” of your adapter via the connected phone and check its IP address mode.

Please refer to the steps below to access the interactive voice response menu:

1. Use a telephone connected to phone ports of your HT812/HT814.
2. Press *** (press the star key three times) to access the IVR menu and wait until you hear “Enter the menu option “.

3. Press 02 and the current IP address will be announced.

Understanding HT812/HT814 Interactive Voice Prompt Response Menu

The HT812/HT814 have a built-in voice prompt menu for simple device configuration which lists actions, commands, menu choices, and descriptions. The IVR menu works with any phone connected to the HT812/HT814. Pick up the handset and dial “***” to use the IVR menu.

| Menu | Voice Prompt | Options |
|------------------|--|---|
| Main Menu | “Enter a Menu Option” | Press “*” for the next menu option Press “#” to return to the main menu Enter 01-05, 07,10, 12-17,47 or 99 menu options |
| 01 | “DHCP Mode”, “Static IP Mode” “PPPoE Mode” | Press “9” to toggle the selection If using “Static IP Mode”, configure the IP address information using menus 02 to 05. If using “Dynamic IP Mode”, all IP address information comes from the DHCP server automatically after reboot. If using “PPPoE Mode”, configure PPPoE Username and Password from web GUI to get IP from your ISP. |
| 02 | “IP Address “ + IP address | The current WAN IP address is announced If using “Static IP Mode”, enter 12-digit new IP address. You need to reboot your HT812/HT814 for the new IP address to take Effect. |
| 03 | “Subnet “ + IP address | Same as menu 02 |
| 04 | “Gateway “ + IP address | Same as menu 02 |
| 05 | “DNS Server “ + IP address | Same as menu 02 |
| | | Press “9” to move to the next selection in the list: |
| | | PCM U / PCM A |
| | | iLBC |
| 07 | Preferred Vocoder | G-726 |
| | | G-723 |
| | | G-729 |
| | | OPUS |
| | | G-722 |
| 10 | “MAC Address” | Announces the MAC address of the unit. Note: The device has two MAC addresses. One for the WAN port and one for the LAN port. The device MAC address announced is the address of LAN port. |

| | | |
|----------------|---|---|
| 12 | WAN Port Web Access | Press “9” to toggle between enable/disable . Default is disabled. |
| 13 | Firmware Server IP Address | Announces current Firmware Server IP address. Enter 12-digit new IP address. |
| 14 | Configuration Server IP Address | Announces current Config Server Path IP address. Enter 12-digit new IP address. |
| 15 | Upgrade Protocol | Upgrade protocol for firmware and configuration update. Press “9” to toggle between TFTP / HTTP / HTTPS/ FTP/FTPS . Default is HTTPS. |
| Menu | Voice Prompt | Options |
| 16 | Firmware Version | Announces Firmware version information. |
| 17 | Firmware Upgrade | Firmware upgrade mode. Press “9” to toggle among the following three options: Always check Check when pre/suffix changes Never upgrade |
| 47 | “Direct IP Calling” | Enter the target IP address to make a direct IP call, after dial tone. (See “Make a Direct IP Call”.) |
| 86 | Voice Mail | Access to your voice mails messages. |
| 99 | “RESET” | Press “9” to reboot the device. Enter MAC address to restore factory default setting (See Restore Factory Default Setting section) |
| 701-704 | Phone calls between different ports of the same HT81x | HT81x supports inter-port calling from voice menu. 70X (X is the port number) |
| | “Invalid Entry” | Automatically returns to main menu |
| | “Device not registered” | This prompt will be played immediately after off hook If the device is not register and the option Outgoing Call without Registration is in NO |

Table 5: Voice Prompt Menu

Five success tips when using the voice prompt

- “*” shifts down to the next menu option and “#” returns to the main menu
- “9” functions as the ENTER key in many cases to confirm or toggle an option.
- All entered digit sequences have known lengths – 2 digits for menu option and 12 digits for IP address. For IP address, add 0 before the digits if the digits are less than 3 (i.e. – 192.168.0.26 should be key in like 192168000026. No decimal is needed).

- Key entry cannot be deleted but the phone may prompt error once it is detected.
- Dial *98 to announce the extension number of the port.

Please make sure to reboot the device after changing network settings (IP Address, Gateway, Subnet...) to apply the new configuration.

Configuration via Web Browser

The HT812/HT814 embedded Web server responds to HTTP GET/POST requests. Embedded HTML pages allow a user to configure the HT812/HT814 through a web browser such as Google Chrome, Mozilla Firefox and Microsoft's IE.

- **Microsoft Internet Explorer:** version 10 or higher.
- **Google Chrome:** version 58.0.3 or higher.
- **Mozilla Firefox:** version 53.0.2 or higher.
- **Safari:** version 5.1.4 or higher.
- **Opera:** version 44.0.2 or higher.

Accessing the Web UI

- Via WAN port

For the initial setup, the Web access is by default enabled when the device is using private IP and disabled when using public IP, and you cannot access the Web UI of your HT812/HT814 until it's enabled, the following steps will show you how to enable it via IVR.

1. Power your HT812/HT814 using PSU with the right specifications.
2. Connect your analog phone to phone ports (FXS) of your HT812/HT814.
3. Press *** (press the star key three times) to access the IVR menu and wait until you hear "Enter the menu option".
4. Press 12, the IVR menu will announce that the web access is disabled, press 9 to enable it.
5. Reboot your HT812/HT814 to apply the new settings.

Please refer to steps below if your HT812/HT814 is connected via WAN port:

1. You may check your HT812/HT814 IP address using the IVR on the connected phone.
Please see Obtain the HT812/HT814 IP address via the connected analogue phone
2. Open the web browser on your computer.
3. Enter the HT812/HT814's IP address in the address bar of the browser.
4. Enter the administrator's password to access the Web Configuration Menu.

The computer must be connected to the same sub-network as the HT812/HT814. This can be easily done by connecting the computer to the same hub or switch as the HT812/HT814

Via LAN port

Please refer to steps below if your HT812/HT814 is connected via LAN port:

1. Power your HT812/HT814 using PSU with the right specifications.

2. Connect your computer or switch directly to your HT812/HT814 LAN port.
3. Open the web browser on your computer.
4. Enter the default LAN IP address (192.168.2.1) in the address bar of the browser.
5. Enter the administrator's password to access the Web Configuration Menu.
6. Make sure to reboot your device after changing your settings to apply the new configuration.

Please make sure that your computer has a valid IP address on the range 192.168.2.x so you can access the web GUI of your HT812/HT814.

Web UI Access Level Management

There are two default passwords for the login page:

| User Level | Password | Web Pages Allowed |
|---------------------|----------|---|
| End User Level | 123 | Only Status and Basic Settings |
| Administrator Level | admin | All pages |
| User Level | Password | Web Pages Allowed |
| Viewer Level | viewer | Only checking. Not allowed to modify content. |

The password is case sensitive and must contain 8-20 characters, at least one number, one uppercase, and one lowercase letter.

When changing any settings, always submit them by pressing Update or Apply button on the bottom of the page. After submitting the changes in all the Web GUI pages, if a reboot is required, the web page will prompt the user to reboot by offering a reboot button on the web page.

Saving the Configuration Changes

After users make changes to the configuration, pressing Update button will save but not apply the changes until Apply button is clicked. Users can instead directly press Apply button. When a reboot is required to apply changes, the web page will prompt the user to reboot by offering a reboot button on the web page.

Changing Admin Level Password

1. Access your HT812/HT814 web UI by entering its IP address in your favorite browser.
2. Enter your admin password (default: admin).
3. Press Login to access your settings.
4. Go to Advanced Settings ? New Admin Password and enter the new admin password.
5. Confirm the new admin password.
6. Press Apply at the bottom of the page to save your new settings.

The screenshot shows the 'Grandstream Device Configuration' web interface. At the top, there is a navigation bar with tabs: STATUS, BASIC SETTINGS, ADVANCED SETTINGS (which is highlighted), PROFILE 1, PROFILE 2, and FXS PORTS. Below the navigation bar, the 'New Admin Password' field is visible, followed by a note: '(Must contain 8-20 characters, at least one number, one uppercase and lowercase letter. Purposely not displayed for security protection.)'. Below this, the 'Confirm Admin Password' field is shown. The background of the form area is yellow.

Figure 7: Admin Level Password

Changing User Level Password

1. Access your HT812/HT814 web UI by entering its IP address in your favorite browser.
2. Enter your admin password (default: admin).
3. Press Login to access your settings.
4. Go to Basic Settings ? New End User Password and enter the new end-user password.
5. Confirm the new end-user password.
6. Press Apply at the bottom of the page to save your new settings.

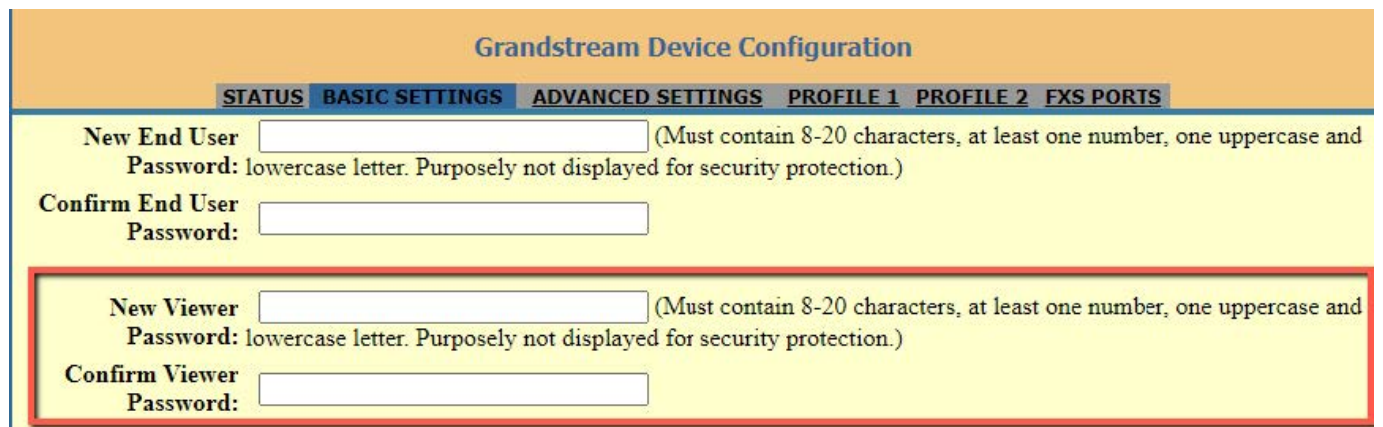


The screenshot shows the 'Grandstream Device Configuration' web interface. At the top, there is a navigation bar with tabs: STATUS, BASIC SETTINGS, ADVANCED SETTINGS, PROFILE 1, PROFILE 2, and FXS PORTS. The 'BASIC SETTINGS' tab is selected. Below the navigation bar, the 'New End User Password' section is visible. It contains two input fields: 'New End User Password' and 'Confirm End User Password'. The 'New End User Password' field has a placeholder text: '(Must contain 8-20 characters, at least one number, one uppercase and one lowercase letter. Purposely not displayed for security protection.)'. The 'Confirm End User Password' field is empty.

Figure 8: User Level Password

Changing Viewer Password

1. Access your HT812/HT814 web UI by entering its IP address in your favorite browser.
2. Enter your admin password (default: admin).
3. Press Login to access your settings.
4. Go to Basic Settings ? New Viewer Password and enter the new viewer password.
5. Confirm the new viewer password.
6. Press Apply at the bottom of the page to save your new settings.



The screenshot shows the 'Grandstream Device Configuration' web interface. At the top, there is a navigation bar with tabs: STATUS, BASIC SETTINGS, ADVANCED SETTINGS, PROFILE 1, PROFILE 2, and FXS PORTS. The 'BASIC SETTINGS' tab is selected. Below the navigation bar, the 'New Viewer Password' section is visible. It contains two input fields: 'New Viewer Password' and 'Confirm Viewer Password'. The 'New Viewer Password' field has a placeholder text: '(Must contain 8-20 characters, at least one number, one uppercase and one lowercase letter. Purposely not displayed for security protection.)'. The 'Confirm Viewer Password' field is empty. The entire 'New Viewer Password' section is highlighted with a red border.

Figure 9: Viewer Level Password

Changing HTTP Web Port

1. Access your HT812/HT814 web UI by entering its IP address in your favorite browser.
2. Enter your admin password (default: admin).
3. Press Login to access your settings.
4. Go to Basic Settings ? HTTP Web Port.

5. Make sure that the Web Access Mode is set to HTTP.
6. Change the current port to your desired/new HTTP port. Ports accepted are in range [1-65535].
7. Press Apply at the bottom of the page to save your new settings

Grandstream Device Configuration

STATUS BASIC SETTINGS ADVANCED SETTINGS PROFILE 1 PROFILE 2 FXS PORTS

New End User (Must contain 8-20 characters, at least one number, one uppercase and Password: lowercase letter. Purposely not displayed for security protection.)

Confirm End User

New Viewer (Must contain 8-20 characters, at least one number, one uppercase and Password: lowercase letter. Purposely not displayed for security protection.)

Confirm Viewer

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 ☐ Disabled

HTTP Web Port: (default is 80)

HTTPS Web Port: (default is 443)

Figure 10: Web HTTP Port

Configuring HT812/HT814 Through Voice Prompts

As mentioned previously, The HT812/HT814 has a built-in voice prompt menu for simple device configuration. Please refer to “Understanding HT812/HT814 Interactive Voice Prompt Response Menu” for more information about IVR and how to access its menu.

- **DHCP MODE**

Select voice menu option 01 to allow the HT812/HT814 to use DHCP.

- **STATIC IP MODE**

Select voice menu option 01 to allow the HT812/HT814 to enable the STATIC IP mode, then use option 02, 03, 04, 05 to set up IP address, Subnet Mask, Gateway and DNS server respectively.

- **PPPOE MODE**

Select voice menu option 01 to allow the HT812/HT814 to enable the PPPoE mode. PPPoE Username and Password should be configured from web GUI.

- **FIRMWARE SERVER IP ADDRESS**

Select voice menu option 13 to configure the IP address of the firmware server.

- **CONFIGURATION SERVER IP ADDRESS**

Select voice menu option 14 to configure the IP address of the configuration server.

- **PROTOCOL**

Select the menu option 15 to choose firmware and configuration upgrade protocol between TFTP, FTP, FTPS,

HTTP and HTTPS. Default is HTTPS.

• FIRMWARE UPGRADE MODE

Select voice menu option 17 to choose firmware upgrade mode among the following three options:

“Always check, check when pre/suffix changes, and never upgrade”.

• WAN PORT WEB ACCESS

Select voice menu option 12 to enable/disable web access from WAN port. Press 9 in this menu to toggle between enable /disable.

Register a SIP Account

The HT812/HT814 support 2 profiles which can be configured with 2 SIP accounts. Please refer to the following steps in order to register your accounts via web user interface

1. Access your HT812/HT814 web UI by entering its IP address in your favorite browser.
2. Enter your admin password (default: admin).
3. Press Login to access your settings.
4. Go to Profile (1 or 2) pages.
5. In Profile tab, set the following:
 1. Account Active to Yes.
 2. Primary SIP Server field with your SIP server IP address or FQDN.
 3. Failover SIP Server with your Failover SIP Server IP address or FQDN. Leave empty if not available.
 4. Prefer Primary SIP Server to No or Yes depending on your configuration. Set to No if no Failover SIP Server is defined. If “Yes”, account will register to Primary SIP Server when failover registration expires.
 5. Outbound Proxy: Set your Outbound Proxy IP Address or FQDN. Leave empty if not available.
6. After configuring the SIP server and activating the profiles, you should access to FXS Ports page to register your accounts. In FXS Ports tab, set the following:
 1. SIP User ID: User account information, provided by VoIP service provider (ITSP). Usually in the form of digit similar to phone number or actually a phone number.
 2. Authenticate ID: SIP service subscriber’s Authenticate ID used for authentication. Can be identical to or different from SIP User ID.
 3. Authenticate Password: SIP service subscriber’s account password to register to SIP server of ITSP. For security reasons, the password field will be shown as empty.
 4. Name: Any name to identify this specific user.
 5. Set Enable Port to Yes.
7. Press Apply at the bottom of the page to save your configuration.

| Grandstream Device Configuration | | | | | |
|--|----------------|---|-----------|-----------|-----------|
| STATUS | BASIC SETTINGS | ADVANCED SETTINGS | PROFILE 1 | PROFILE 2 | FXS PORTS |
| Profile Active: <input type="radio"/> No <input checked="" type="radio"/> Yes | | | | | |
| Primary SIP Server: | | <input type="text" value="192.168.84.22"/> (e.g., sip.mycompany.com, or IP address) | | | |
| Failover SIP Server: | | <input type="text"/> (Optional, used when primary server no response) | | | |
| Prefer Primary SIP Server: | | <input checked="" type="radio"/> No <input type="radio"/> Yes (yes - will register to Primary Server if Failover registration expires) | | | |
| Outbound Proxy: | | <input type="text"/> (e.g., proxy.myprovider.com, or IP address, if any) | | | |

Figure 11: SIP Profiles Settings

Grandstream Device Configuration

STATUS
BASIC SETTINGS
ADVANCED SETTINGS
PROFILE 1
PROFILE 2
FXS PORTS

User Settings

| Port | SIP User ID | Authenticate ID | Password | Name | Profile ID | Hunting Group | Request URI | Routing ID | Enable Port |
|------|----------------------|----------------------|----------------------|----------------------|-------------|---------------|----------------------|----------------------|---|
| 1 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | Profile 1 ▼ | None ▼ | <input type="text"/> | <input type="text"/> | <input type="radio"/> No <input checked="" type="radio"/> Yes |
| 2 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | Profile 1 ▼ | None ▼ | <input type="text"/> | <input type="text"/> | <input type="radio"/> No <input checked="" type="radio"/> Yes |
| 3 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | Profile 1 ▼ | None ▼ | <input type="text"/> | <input type="text"/> | <input type="radio"/> No <input checked="" type="radio"/> Yes |
| 4 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | Profile 1 ▼ | None ▼ | <input type="text"/> | <input type="text"/> | <input type="radio"/> No <input checked="" type="radio"/> Yes |

Port Offhook Auto-dial

| | |
|---|----------------------|
| 1 | <input type="text"/> |
| 2 | <input type="text"/> |
| 3 | <input type="text"/> |
| 4 | <input type="text"/> |

All Rights Reserved Grandstream Networks, Inc. 2006-2017

Figure 12: SIP Accounts settings

After applying your configuration, your account will register to your SIP Server, you can verify if it has been correctly registered with your SIP server from your HT812/HT814 web interface under Status ? Port Status ? Registration (If it displays Registered, it means that your account is fully registered, otherwise it will display Not Registered so in this case you must double check the settings or contact your provider).

| Grandstream Device Configuration | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------|-------------------|----------------|-----------------|-----------|------|------|---------|--------------|-----------------|---------|-----|------------|-------|---------|-------|----------------|-------|---------|--|----------------|-------|---------|--|----------------|-------|----|--|--|--|
| STATUS | BASIC SETTINGS | ADVANCED SETTINGS | PROFILE 1 | PROFILE 2 | FXS PORTS | | | | | | | | | | | | | | | | | | | | | | | | | |
| MAC Address: WAN-- 00:0B:82:A3:38:FD LAN-- 00:0B:82:A3:38:FC (Device MAC) WAN IPv4 Address: 192.168.6.206 WAN IPv6 Address: Product Model: HT814 Hardware Version: V1.6A Part Number -- 9610004916A Software Version: Program -- 1.0.5.11 Bootloader -- 1.0.5.3 Core -- 1.0.5.3 Base -- 1.0.5.11 CPE -- 1.0.1.67 Software Status: Running Mem: 23808 System Up Time: 09:10:03 up 1:08 PPPoE Link Up: Disabled NAT: Unknown NAT Port Status: <table border="1"> <thead> <tr> <th>Port</th> <th>Hook</th> <th>User ID</th> <th>Registration</th> </tr> </thead> <tbody> <tr> <td>FXS 1</td> <td>On Hook</td> <td>001</td> <td>Registered</td> </tr> <tr> <td>FXS 2</td> <td>On Hook</td> <td></td> <td>Not Registered</td> </tr> <tr> <td>FXS 3</td> <td>On Hook</td> <td></td> <td>Not Registered</td> </tr> <tr> <td>FXS 4</td> <td>On Hook</td> <td></td> <td>Not Registered</td> </tr> </tbody> </table> | | | | | | Port | Hook | User ID | Registration | FXS 1 | On Hook | 001 | Registered | FXS 2 | On Hook | | Not Registered | FXS 3 | On Hook | | Not Registered | FXS 4 | On Hook | | Not Registered | | | | | |
| Port | Hook | User ID | Registration | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FXS 1 | On Hook | 001 | Registered | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FXS 2 | On Hook | | Not Registered | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FXS 3 | On Hook | | Not Registered | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FXS 4 | On Hook | | Not Registered | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Port Options: <table border="1"> <thead> <tr> <th>Port</th> <th>DND</th> <th>Forward</th> <th>Busy Forward</th> <th>Delayed Forward</th> </tr> </thead> <tbody> <tr> <td>FXS 1</td> <td>No</td> <td></td> <td></td> <td></td> </tr> <tr> <td>FXS 2</td> <td>No</td> <td></td> <td></td> <td></td> </tr> <tr> <td>FXS 3</td> <td>No</td> <td></td> <td></td> <td></td> </tr> <tr> <td>FXS 4</td> <td>No</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | | | | | | Port | DND | Forward | Busy Forward | Delayed Forward | FXS 1 | No | | | | FXS 2 | No | | | | FXS 3 | No | | | | FXS 4 | No | | | |
| Port | DND | Forward | Busy Forward | Delayed Forward | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FXS 1 | No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FXS 2 | No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FXS 3 | No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FXS 4 | No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Provision: Not running, Last status : Downloading file from url. Core Dump: Clean | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Figure 13: Accounts Status

When all the FXS ports are registered, the simultaneous ring will have one second delay between each ring on each phone.

Rebooting HT812/HT814 from Remote

Press the "Reboot" button at the bottom of the configuration menu to reboot the ATA remotely. The web browser will then display a message window to confirm that reboot is underway. Wait 30 seconds to log in again.

CALL FEATURES

The HT812/HT814 support all the traditional and advanced telephony features.

| Key | Call Features |
|-----|--|
| *02 | Forcing a Codec (per call) *027110 (PCMU), *027111 (PCMA), *02723 (G723), *02729 (G729), *027201 (iLBC). |
| *03 | Disable LEC (per call) Dial "*03" + "number". No dial tone is played in the middle. |
| *16 | Enable SRTP |
| *17 | Disable SRTP |

| | |
|--------------|---|
| *30 | Block Caller ID (for all subsequent calls) |
| *31 | Send Caller ID (for all subsequent calls) |
| *47 | Direct IP Calling. Dial “*47” + “IP address”. No dial tone is played in the middle. |
| Key | Call Features |
| *50 | Disable Call Waiting (for all subsequent calls) |
| *51 | Enable Call Waiting (for all subsequent calls) |
| *67 | Block Caller ID (per call). Dial “*67” +” number”. No dial tone is played in the middle. |
| *82 | Send Caller ID (per call). Dial “*82” +” number”. No dial tone is played in the middle. |
| *69 | Call Return Service: Dial *69 and the phone will dial the last incoming phone number received. |
| *70 | Disable Call Waiting (per call). Dial “*70” +” number”. No dial tone is played in the middle. |
| *71 | Enable Call Waiting (per call). Dial “*71” +” number”. No dial tone is played in the middle |
| *72 | Unconditional Call Forward: Dial “*72” and then the forwarding number followed by “#”. Wait for dial tone and hang up. (dial tone indicates successful forward) |
| *73 | Cancel Unconditional Call Forward. To cancel “Unconditional Call Forward”, dial “*73”, wait for dial tone, then hang up. |
| *74 | Enable Paging Call: Dial “*74” and then the destination phone number you want to page. |
| *78 | Enable Do Not Disturb (DND): When enabled all incoming calls are rejected. |
| *79 | Disable Do Not Disturb (DND): When disabled, incoming calls are accepted. |
| *87 | Blind Transfer |
| *90 | Busy Call Forward: Dial “*90” and then the forwarding number followed by “#”. Wait for dial tone then hang up. |
| *91 | Cancel Busy Call Forward. To cancel “Busy Call Forward”, dial “*91”, wait for dial tone, then hang up. |
| *92 | Delayed Call Forward. Dial “*92” and then the forwarding number followed by “#”. Wait for dial tone then hang up. |
| *93 | Cancel Delayed Call Forward. To cancel Delayed Call Forward, dial “*93”, wait for dial tone, then hang up |
| Flash / Hook | Toggles between active call and incoming call (call waiting tone). If not in conversation, flash/hook will switch to a new channel for a new call. |
| # | Pressing pound sign will serve as Re-Dial key. |

Table 6: HT812/HT814 Call Features

CALL OPERATIONS

Placing a Phone Call

To make the outgoing calls using your HT812/HT814

1. Pick up the handset of the connected phone.
2. Dial the number directly and wait for 4 seconds (Default “No Key Entry Timeout”); or
3. Dial the number directly and press # (Use # as dial key” must be configured in web configuration).

Examples:

1. Dial an extension directly on the same proxy, (e.g. 1008), and then press the # or wait for 4 seconds.
2. Dial an outside number (e.g. (626) 666-7890), first enter the prefix number (usually 1+ or international code) followed by the phone number. Press # or wait for 4 seconds. Check with your VoIP service provider for further details on prefix numbers.

Note:

When placing the analog phone that is connected to the FXS port off hook, the dial tone will be played even if the sip account is not registered. If users prefer the busy tone to be played instead, the following configuration need to be made:

- “Play Busy Tone When Account is unregistered” need to be set to YES under advanced settings.
- “Outgoing call without registration” need to be set to NO under Profile x settings.

Direct IP Calls

Direct IP calling allows two parties, that is, a FXS Port with an analog phone and another VoIP Device, to talk to each other in an ad hoc fashion without a SIP proxy.

Elements necessary to completing a Direct IP Call:

- Both HT812/HT814 and other VoIP Device, have public IP addresses, or
- Both HT812/HT814 and other VoIP Device are on the same LAN using private IP addresses, or
- Both HT812/HT814 and other VoIP Device can be connected through a router using public or private IP addresses (with necessary port forwarding or DMZ).

The HT812/HT814 support two ways to make Direct IP Calling:

Using IVR

1. Pick up the analog phone then access the voice menu prompt by dialing “****”
2. Dial “47” to access the direct IP call menu
3. Enter the IP address after the dial tone and voice prompt “Direct IP Calling”

Using Star Code

1. Pick up the analog phone then dial “*47”
2. Enter the target IP address.

No dial tone will be played between step 1 and 2 and destination ports can be specified using “*” (encoding for “:”) followed by the port number.

Examples of Direct IP Calls:

- If the target IP address is 192.168.0.160, the dialing convention is *47 or Voice Prompt with option 47, then 192*168*0*160, followed by pressing the “#” key if it is configured as a send key or wait 4 seconds. In this case, the default destination port 5060 is used if no port is specified
- If the target IP address/port is 192.168.1.20:5062, then the dialing convention would be: *47 or Voice Prompt with option 47, then 192*168*0*160*5062 followed by pressing the “#” key if it is configured as a send key or wait for 4 seconds.

When completing direct IP call, the “Use Random SIP/RTP Port” should set to “NO”.

Call Hold

You can place a call on hold by pressing the “flash” button on the analog phone (if the phone has that button). Press the “flash” button again to release the previously held Caller and resume conversation. If no “flash” button is available, use “hook flash” (toggle on-off hook quickly). You may drop a call using hook flash.

Call Waiting

The call waiting tone (3 short beeps) indicates an incoming call, if the call waiting feature is enabled. To toggle between incoming call and current call, you need to press the “flash” button the first call is placed on hold. Press the “flash” button to toggle between the active calls.

Call Transfer

Blind Transfer

Assume that the call is established between phone A and B are in conversation. The phone A wants to blind transfer phone B to phone C:

1. On the phone A presses FLASH to hear the dial tone.
2. The phone A dials *87 then dials caller C’s number, and then # (or wait for 4 seconds)
3. The phone A will hear the dial tone. Then, A can hang up.

“Enable Call Feature” must be set to “Yes” in web configuration page.

Attended Transfer

Assume that the call is established between phone A and B are in conversation. The phone A wants to attend transfer phone B to phone C:

1. On the phone A presses FLASH to hear the dial tone.
2. Phone A dials the phone C’s number followed by # (or wait for 4 seconds).
3. If phone C answers the call, phones A and C are in conversation. Then A can hang up to complete transfer.
4. If phone C does not answer the call, phone A can press “flash” to resume call with phone B

When attended transfer fails and A hangs up, the HT812/HT814 will ring back user A to remind A that B is still on

the call. A can pick up the phone to resume conversation with B.

3-Way conferencing

The HT812/HT814 support Bellcore style 3-way Conference. To perform the 3-way conference, we assume that the call is established between phone A and B are in conversation. Phone A(HT812/HT814) wants to bring third phone C into conference:

1. Phone A presses FLASH (on the analog phone, or Hook Flash for old model phones) to get a dial tone.
2. Phone A dials C's number then # (or wait for 4 seconds).
3. If phone C answers the call, then A presses FLASH to bring B, C in the conference.
4. If phone C does not answer the call, phone A can press FLASH back to talk to phone B.
5. If phone A presses FLASH during conference, the phone C will be dropped out.
6. If phone A hangs up, the conference will be terminated for all three parties when configuration "Transfer on Conference Hang up" is set to "No". If the configuration is set to "Yes", A will transfer B to C so that B and C can continue the conversation.

Call Return

In order to call back to the latest incoming number.

1. Pick up the handset of the connected phone (Off-hook).
2. After hearing the dial tone, input "**69".
3. Your phone will automatically call back to the latest incoming number.

All star codes (*XX) related features mentioned above are supported by ATA default settings. If your service provider provides different feature codes, please contact them for instructions.

Inter-Port Calling

In some cases, a user may want to make phone calls between the phones connected to multiple ports of the same HT81x when it is used as a standalone unit, without the use of a SIP server. In such cases, users still will be able to make inter-port calls by using the IVR feature.

On the HT81x inter-port calling is achieved by dialing ***70X (X is the port number). For example, the user connected to port 1 can be reached by dialing *** and 701.

Voice Mail

VM Notification

The HT812/HT814 indicates new voice mail messages using Phone LEDs and Stutter Tone.

The Phone LEDs on HT812/HT814 will start blinking slowly when a new voice mail message is available on corresponding account.

A stutter tone will be played at first few seconds followed by dial tone when picking up the handset.

New VM messages can be also indicated by LED blink, screen display, etc... if they are supported on connected analog phones.

Accessing VM

To retrieve the new voice mail messages received, please refer to following steps:

1. Pick up the handset of the connected phone (stutter tone will be played).
2. Press *** (press the star key three times) to access the IVR menu and wait until you hear "Enter the menu option".
3. Press 86 and enter your configured password (if exist) to access your voice mail menu.

Flash Digit Control

If the option “Flash Digit Control” is enabled on web UI, call operations will require different steps as follows:

Call Hold:

Assume that the call is established between phone A and B.

The phone A received a call from C, then it held B to answer C.

Press the “Flash + 1” to hang up the current call (A – C) and resume call on hold (B).

Or press “Flash + 2” to hold current call (A – C) and resume call on hold (B).

Attended transfer:

Assume that the call is established between phone A and B. The phone A wants to attend transfer phone B to phone C:

1. On the phone A presses FLASH to hear the dial tone.
2. Phone A dials the phone C's number followed by # (or wait for 4 seconds).
3. If phone C answers the call, phones A and C are in conversation. Then A can press “Flash + 4” to complete transfer. 3- Way Conferencing:

Assume that the call is established, and phone A and B are in conversation. Phone A(HT801/HT802) wants to bring third phone C into conference:

1. Phone A presses Flash (on the analog phone, or Hook Flash for old model phones) to get a dial tone.
2. Phone A dials C's number then # (or wait for 4 seconds).
3. When phone C answers the call, then A can press “Flash +3” to bring B, C in the conference.

Note

Additional Flash digit events have been added on the latest firmware version 1.0.43.11

RESTORE FACTORY DEFAULT SETTINGS

Warning

Restoring the Factory Default Settings will delete all configuration information on the phone. Please backup or print all the settings before you restore to the factory default settings. Grandstream is not responsible for restoring lost parameters and cannot connect your device to your VoIP service provider.

There are three (3) methods for resetting your unit:

Using the Reset Button

To reset default factory settings using the reset button please follow the steps above:

1. Unplug the Ethernet cable.
2. Locate the reset hole on the back panel of your HT812/HT814.
3. Insert a pin in this hole, and press for about 7 seconds.
4. Take out the pin. All unit settings are restored to factory settings

Using the IVR Command

Reset default factory settings using the IVR prompt:

1. Dial “***” for voice prompt.

2. Enter “99” and wait for “reset” voice prompt.
3. Enter the encoded MAC address (Look below on how to encode MAC address).
4. Wait 15 seconds and device will automatically reboot and restore factory settings.

Encode the MAC Address

1. Locate the MAC address of the device. It is the 12-digit HEX number on the bottom of the unit.
2. Key in the MAC address. Use the following mapping:

| Key | Mapping |
|-----|--|
| 0-9 | 0-9 |
| A | 22 (press the “2” key twice, “A” will show on the LCD) |
| B | 222 |
| C | 2222 |
| D | 33 (press the “3” key twice, “D” will show on the LCD) |
| E | 333 |
| F | 3333 |

Table 7: MAC Address Key Mapping

For example: if the MAC address is 000b8200e395, it should be keyed in as “0002228200333395”

CHANGE LOG

This section documents significant changes from previous versions of user guide for HT812/HT814. Only major new features or major document updates are listed here. Minor updates for corrections or editing are not documented here.

Firmware Version 1.0.45.2

No Major changes.

Firmware Version 1.0.43.11

- Added Charter CA to the approved certificate list.
- Optimized Syslog makes it more user-friendly.
- Added additional Flash Digit events. [Flash Digit Control]
- GUI enhancement to display correctly port status.

Firmware Version 1.0.41.2

- No major changes.

Firmware Version 1.0.39.4

- Added Local IVR option that announces the extension number of the port. [Understanding HT812/HT814 Interactive Voice Prompt Response Menu]

Firmware Version 1.0.37.1

- No major changes.

Firmware Version 1.0.35.4

- No major changes.

Firmware Version 1.0.33.4

- No major changes.

Firmware Version 1.0.31.1

- No major changes.

Firmware Version 1.0.29.8

- No major changes.

Firmware Version 1.0.27.2

- No major changes.

Firmware Version 1.0.25.5

- No major changes.

Firmware Version 1.0.23.5

- No major changes.

Firmware Version 1.0.21.4

- Added support for “Play Busy Tone When Account is unregistered”. [Placing a Phone Call]

Firmware Version 1.0.19.11

- No major changes.

Firmware Version 1.0.17.5

- No major changes.

Firmware Version 1.0.15.4

- No major changes.

Firmware Version 1.0.13.7

- Added the support to verify if configured Gateway is on the same subnet as the configured IP address.

Firmware Version 1.0.11.6

- No major changes.

Firmware Version 1.0.10.6

- Added support for G722 Codec. [HT812/HT814 Technical Specifications]
- Added support for Spanish language in Web UI.

Firmware Version 1.0.9.3

- No major changes

Firmware Version 1.0.8.7

- Added support for Hunting Group on HT812 Web UI.
- Added support for Russian language in Web UI and IVR.

Firmware Version 1.0.5.11

- Changed default “Upgrade Via” from HTTP to HTTPS. [Upgrade Protocol] [UPGRADE PROTOCOL]
- Added support for 3 level access through RADIUS authorization (Admin, User and viewer).

Firmware Version 1.0.3.7

- No major changes

Firmware Version 1.0.3.2

- No major changes

Firmware Version 1.0.2.7

- No major changes

Firmware Version 1.0.2.3

- Added network check mechanism to enable or disable WAN port web access.

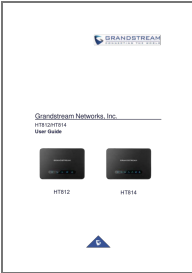
Firmware Version 1.0.2.1

- This is the initial version for HT812/HT814.

Need Support?

Can't find the answer you're looking for? Don't worry we're here to help!
CONTACT SUPPORT

Documents / Resources

| | |
|--|---|
|  | <p>GRANDSTREAM HT812, HT814 Handy Tone Analog VoIP Gateway [pdf] User Guide HT812, HT814, HT812 HT814 Handy Tone Analog VoIP Gateway, HT812 Handy Tone Analog VoIP Gateway, HT814 Handy Tone Analog VoIP Gateway, Handy Tone Analog VoIP Gateway, Handy Tone VoIP Gateway, Analog VoIP Gateway, Analog Gateway, VoIP Gateway, Gateway</p> |
|--|---|

References

- documentation.grandstream.com/knowledge-base/ht81x-user-guide/?hkb-redirect&nonce=2ef46fe7ce&check=2dg24&redirect=helpdesk.grandstream.com&otype=ht_kb_article&oic