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OpenVox
VS-GWM501V
Audio
Gateway
Board

OpenVox VS-GWM501V Audio Gateway Board User Manual

Contents

OpenVox

OpenVox VS-GWM501V Audio Gateway Board

Product Information

The VS-GWM501V Audio Gateway Board is designed to provide audio input and output capabilities for the user. It features indicator lights, reset key functionality, audio channels, and network configuration options.

Specifications:

- **Data Version:** R1.2.0
- **Product Version:** R1.2.0

Product Usage Instructions

Introduction to the Device Panel:

- **Chassis Schematic**

  The chassis schematic shows the module for Chassis VS-GW1202/1600/2120 Series.

- **Board Schematic**

  The board schematic diagram provides details about the VS-GWM501V Board components and their functions.

Login:
To login to the gateway webpage, open IE and type http://IP in the address bar. The default login credentials are:

- User name: admin
- Password: 1

Operational State:

- **Registration Status and Line Status**

  You can view user registration status and line status information in the Registration Status section. Turn on Auto Refresh for real-time updates.

- **Network and Version Information**

  View network information and version details in the respective sections to monitor the status of the gateway.

Network Information Configuration

Modifying Local Static IPs and Configuring SIP Servers
In the Basic Settings/Network Settings section, you can modify the static network address of the gateway and configure SIP servers for registration service.

FAQ:

- **Q: How do I reset the gateway to its default settings?**

  A: Long press the reset key for more than 10 seconds to restore the temporary IP address and reboot the gateway to its original configuration.

Announcement:
This manual is intended as an operating guide for the user only. No part or all of the contents of this manual may be reproduced, excerpted, or transmitted in any form without the written permission of the Company.

Introduction to the device panel

Chassis Schematic
Module for Chassis VS-GW1202/1600/2120 Series

Figure 1-1-1 Front View

Board Schematic

Figure 1-2-1 VS-GWM501V Board Schematic Diagram

As shown in Figure 1-2-1, the meaning of each mark is as follows

1. **Indicator lights:** there are three indicator lights from left to right: fault 1) Indicator lights: there are three indicator lights from left to right: fault light E, power light P, running light R; equipment after normal operation of the power light is always green, running indicator light is green flash, fault light to retain the temporary useless.
2. **Reset key:** Press and hold for more than 10 seconds to reset the temporary IP address 10.20.30.1, and reset the original IP address after power off and reboot.
3. V1 is the first audio channel, red is OUT for audio output, white is IN for audio input. v2 is the second channel.
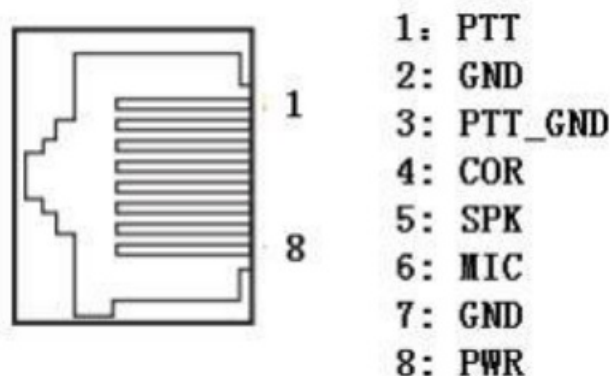4. The W interface is defined as shown in Figure 1-2-2

1: PTT
2: GND
3: PTT_GND
4: COR
5: SPK
6: MIC
7: GND
8: PWR

Figure 1-2-2 Interface Definition

Login

Login to the gateway webpage: Open IE and type http://IP, (172.16.80.X X is the slot number of the chassis; If it is

slot 3 of UCP1600, the IP address is 172.16.80.3.), enter the login interface shown in Figure 1-1-1 below. Initial user name: admin, password: 1

Long press reset for more than 10 seconds to restore temporary IP address 10.20.30.1, and restore original IP after power off and reboot.

Figure 2-1-1 Gateway Login Interface

Operational state

Registration Status and Line Status

In [Registration Status], you can view the user registration status and line status information, turn on the Auto Refresh button to see the real-time status, as shown in Figure 3-1-1:

Figure 3-1-1

Network and version information

In [Network Information] and [Version Information], you can view the corresponding status information, as shown in Figure 7-2-1:

Figure 3-2-1

Network Information Configuration

Modifying local static IPs and configuring SIP servers

In [Basic Settings/Network Settings], you can modify the static network address of the gateway, note that you need to open the Edit button to modify it, and the SIP server can set the IP address, port, etc. of the primary and backup servers for the registration service and the primary and backup registration methods, as shown in Figure 4-1-1.

Figure 4-1-1

Clarification

Currently, the gateway IP acquisition method only supports static, and after modifying the network address information, you need to reboot the device to take effect.

Modify user number

The user number, registration period, hotline number, etc. of the gateway can be modified in [Basic Settings/Channel Settings], as shown in Figure 4-2-1:

Figure 4-2-1

Click "Edit" to modify the user number information, as shown in Figure 4-2-1:

- **Channel number:** 0, 1
- **Subscriber number:** The telephone number corresponding to the line.
- **Authentication ID, registration password, registration period:** the account number, password and the interval between each registration used when registering with the platform.
- **Hotline number:** not valid in the audio gateway
- **Carrier Level:** Invalid in Audio Gateway

Advanced Settings

Call Settings and Gain Media Settings

In [Advanced Settings], first turn off the PTT mode switch as shown in Figure 5-1-1:

Figure 5-1-1

In [Gain and Media Configuration], you can configure the user's gain type, gateway to radio gain is one level to five levels, the default five levels maximum. Radio to Gateway using the default value cannot be configured, media support G.711A/U, as shown in Figure 5-1-1:

- **PTT Mode:** PTT mode on for trunking, off for audio, audio gateway configured for PTT mode off
  Call and SIP settings:
    - **Maximum time without voice packs:** 300 seconds without voice packs (mute packs are also considered voice packs) will automatically release the timer.

- **No voice packet processing for a long time:** release the call and do not process two ways, release the call to protect abnormal release the call with the
- **Busy tone duration:** Default 0, hang up and release release
- **Initiate RPORT:** This function is for network penetration purposes when registering to the public network.

Device Operation

Reboot, factory, firmware, packet capture and data file operations
In [Device Operation], as shown in Figure 6-1-1:

Figure 6-1-1

- **Reboot operation:** soft reboot the device.
- **Factory Operation:** Restore the factory settings of the device.
- **Firmware operation:** local upgrade, online firmware retention is useless for now. Packet grabbing operation: You can set the time for grabbing packets, and then it must be stopped automatically before you can download it.
- **Data file operations:** You can import and export database files.

Logging and logging operations

Figure 6-2-1

- **Log operation:** the higher the level the more detailed the print

personalized operation

As shown in Figure 6-3-1:

- **Personalized Device:** You can change the name of the gateway in the upper left corner, such as "Wireless Trunk Gateway" in the picture.
- **Language display:** can switch between Chinese and English Color scheme: you can switch the skin color.

Documents / Resources

[OpenVox VS-GWM501V Audio Gateway Board](#) [pdf] User Manual
VS-GWM501V, VS-GWM501V Audio Gateway Board, Audio Gateway Board, Gateway Board, Board

References

- [**User Manual**](#)