



Profile version: R1.1.0

Product Version: R1.1.0

Statement:

This manual is intended only as an operating guide for users.

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1 Device Panel Introduction

1.1 Schematic diagram of the chassis

ACU module for chassis UCP1600/2120/4131 series



Figure 1-1-1 frontal diagram

1.2 Board schematic



Figure 1-2-1 ACU board schematic

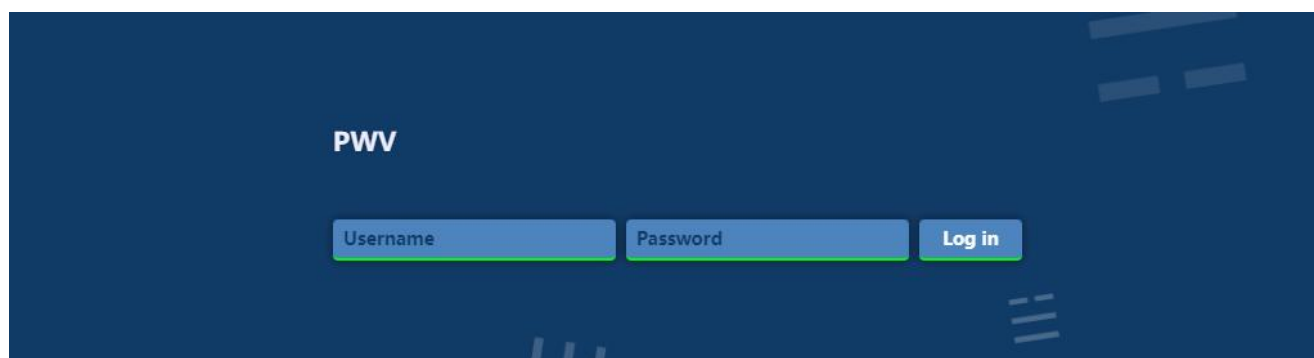
As shown in Figure 1-1-1, the meaning of each logo is as follows

1. Indicator lights: There are 3 indicators from left to right: fault light E, power light P, run light R; power light is always green after normal operation of the device, the run light is green flashing, the fault light remains temporarily useless.
2. reset key: long press for more than 10 seconds to restore the temporary IP address 10.20.30.1, restore the original IP after power failure and reboot.
3. V1 is the first audio, red is OUT is the audio output, white is IN is the audio input. v2 is the second.

2 Login

Login to the gateway web page: Open IE and enter http://IP, (IP is the wireless gateway device address, default 10.20.40.40), enter the login screen shown below.
Initial **user name: admin, password: 1**

Figure 2-1-1 Audio Gateway Module Login Interface



3 Network information configuration

3.1 Modify static IP

The static network address of the audio gateway can be modified in **[Basic/Network Settings]**, as shown in Figure 3-1-1.

Network Settings		
IP Address	Subnet Mask	Default Gateway
172.16.6.13	255.255.0.0	172.16.6.1

Figure 3-1-1



Description

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

3.2 Registration server configuration

In **[Basic/SIP Server Settings]**, you can set the IP addresses of the primary and backup servers for the registration service, and the primary and backup registration methods, as shown in Figure 3-2-1:

SIP Server Settings			
Select Mode	Primary		Standby
	IP Address	SIP Port	IP Address
Primary only and no standby	10.20.40.40	5061	127.0.0.1

Figure 3-2-1

The primary and backup registration methods are divided into: no primary and backup switching, registration priority to the primary softswitch, and registration priority to the current softswitch. The order of registration: primary softswitch, backup softswitch.



Description

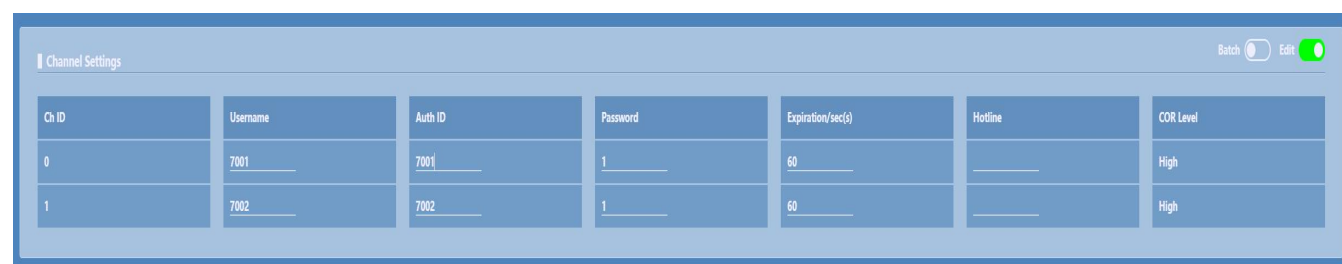
No primary/backup switching: Only to the primary softswitch.

Registration to the primary softswitch takes priority: the primary softswitch registration fails to register to the standby softswitch. When the primary softswitch is restored, the next registration cycle registers with the primary softswitch.

Registration priority to the current softswitch: registration failure to the primary softswitch registers to the backup softswitch. When the primary softswitch is restored, it always registers with the current softswitch and does not register with the primary softswitch.

3.3 Adding user numbers

The user number of the audio gateway can be added in **[Basic/Channel Settings]**, as shown in Figure: 3-3-1:



Ch ID	Username	Auth ID	Password	Expiration/sec(s)	Hotline	COR Level
0	7001	7001	1	60		High
1	7002	7002	1	60		High

Figure 3-3-1

Channel number: for 0, 1

User number: the phone number corresponding to this line.

Registration user name, registration password, registration period: the account number, password and interval time of each registration used when registering to the platform.

Hotline number: the called phone number corresponding to the hotline function key, triggered according to COR carrier polarity, configured low valid then triggered when the external input is high, and vice versa. The default hover must be configured low valid.



Description

1. $\text{Time to initiate registration} = \text{Registration period} * 0.85$
2. The gateway uses only two channels and can only add two users

When adding a number, you can configure the media, gain, and PSTN configuration.

3.4 Media Configuration

When adding a gateway user, you can select the voice encoding method for the user under **[Advanced/User Information/Media settings]**, which pops up as shown in Figure 3-4-1:

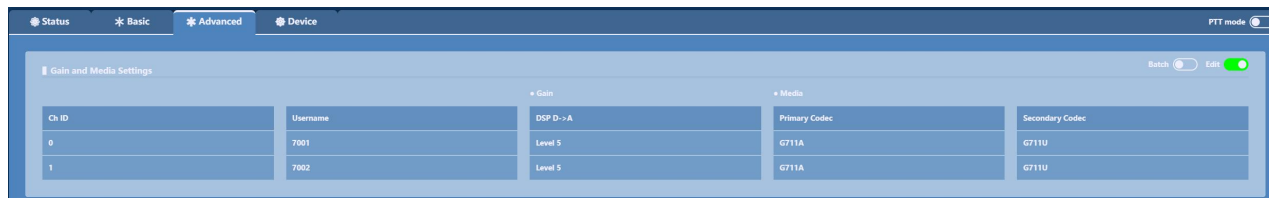


Figure 3-4-1

Speech encoding format: including G711a, G711u.

3.5 Gain configuration

In **[Advanced/Gain Configuration]**, you can configure the gain type of the user, as shown in Figure 3-5-1:

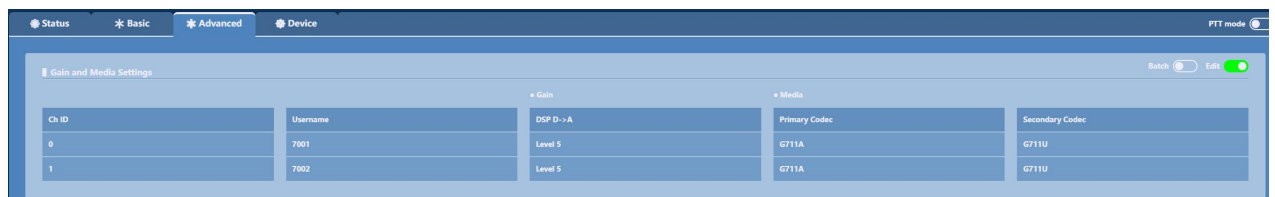


Figure 3-5-1

- **DSP_D->A gain:** the gain from the digital side to the analog side, five levels is the maximum.

3.6 Basic Configuration

In **[Basic Configuration]**, as shown in Figure 3-6-1:

The screenshot displays the 'Basic' configuration tab with three main sections: Network Settings, SIP Server Settings, and Channel Settings.

Network Settings:

IP Address	Subnet Mask	Default Gateway
172.16.6.13	255.255.0.0	172.16.6.1

SIP Server Settings:

Select Mode	Primary		Standby	
	IP Address	SIP Port	IP Address	SIP Port
Primary only and no standby	10.20.40.40	5061	127.0.0.1	5061

Channel Settings:

Ch ID	Username	Auth ID	Password	Expiration/sec(s)	Hotline	COR Level
0	7001	7001	1	60		High
1	7002	7002	1	60		High

4 Status queries

4.1 Registration Status

In [Status /Registration Status], you can view the user registration status information, as shown in Figure 4-1-1:

The screenshot shows the 'Registration Status' page with two columns for Ch0 and Ch1.

Ch0	Ch1
7001	7002
Timeout	Timeout

Figure 4-1-1

4.2 Line Status

In [Status /Line Status], line status information can be viewed as shown in Figure 4-2-1:

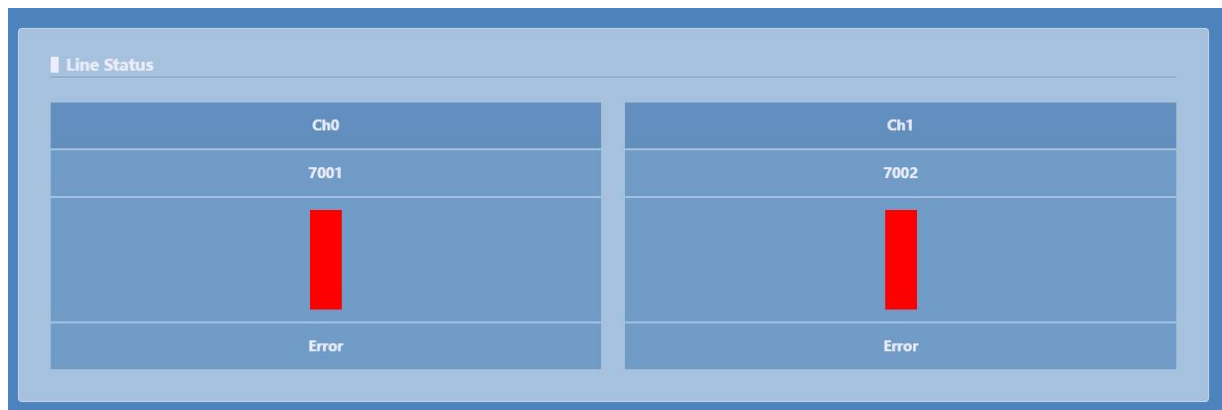


Figure 4-2-1

5 Equipment Management

5.1 Account Management

The password for web login can be changed in [Device /Login Operations], as shown in Figure 5-1-1:

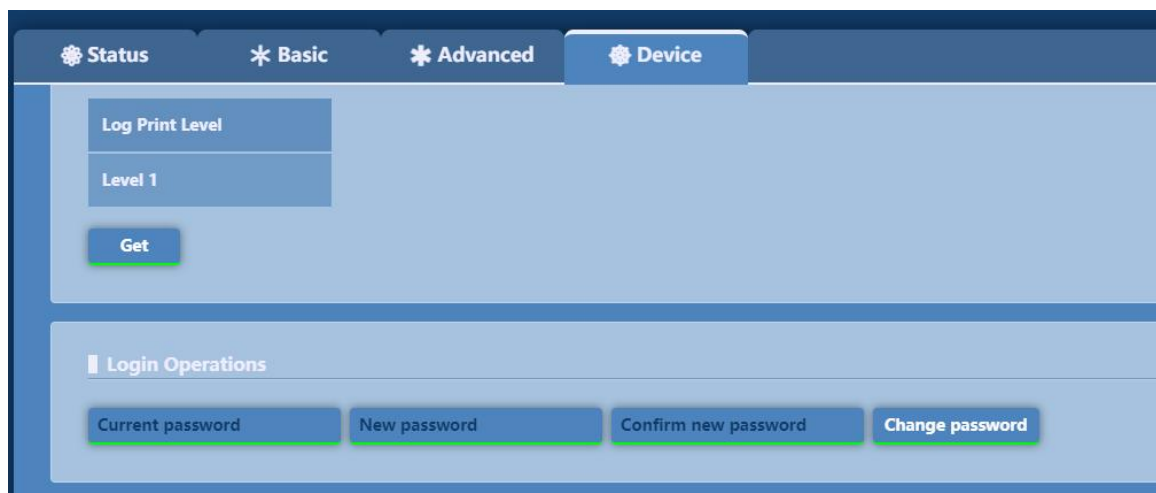


Figure 5-1-1

Change password: Fill in the current password in the old password, fill in the new password and confirm the new password with the same modified password, and click the <Modify Password> button to complete the password change.

5.2 Equipment Operation

In [Device /Device Operation], you can perform the following operations on the gateway system: recovery and reboot, as shown in Figure 5-2-1, where:

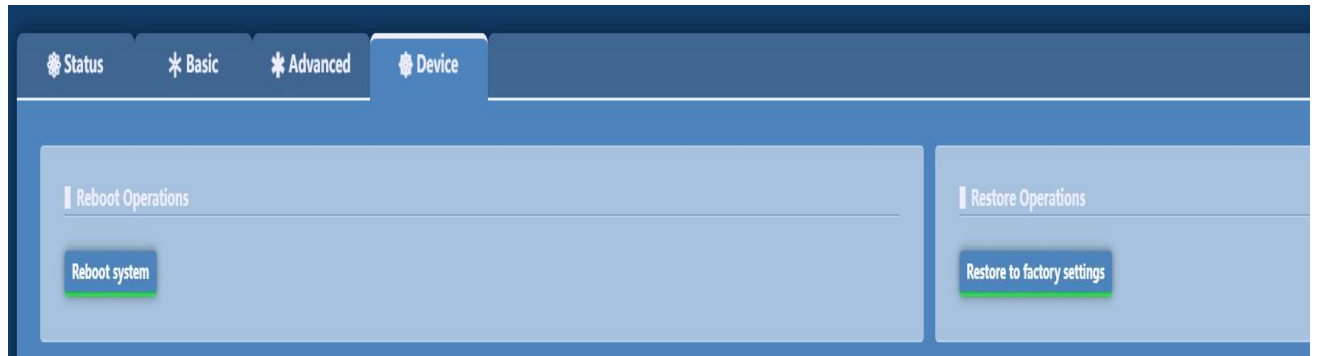


Figure 5-2-1

Restore factory settings: Click the <Restore> button to restore the gateway configuration to factory settings, but will not affect the system IP address-related information.

Reboot the device: Clicking the <Reboot> button will perform a gateway reboot operation on the device.

5.3 Version information

The version numbers of gateway-related programs and library files can be viewed in [Device/Version Information], as shown in Figure 5-3-1:

Version Info		
Driver	Software	Web
PWW.ko_R1.0.0	PWW_R1.0.2	PWW_R1.0.4

Figure 5-3-1

5.4 Log Management

The log path, log level, etc. can be set in [Device /Log Management], as shown in Figure 5-4-1, where:

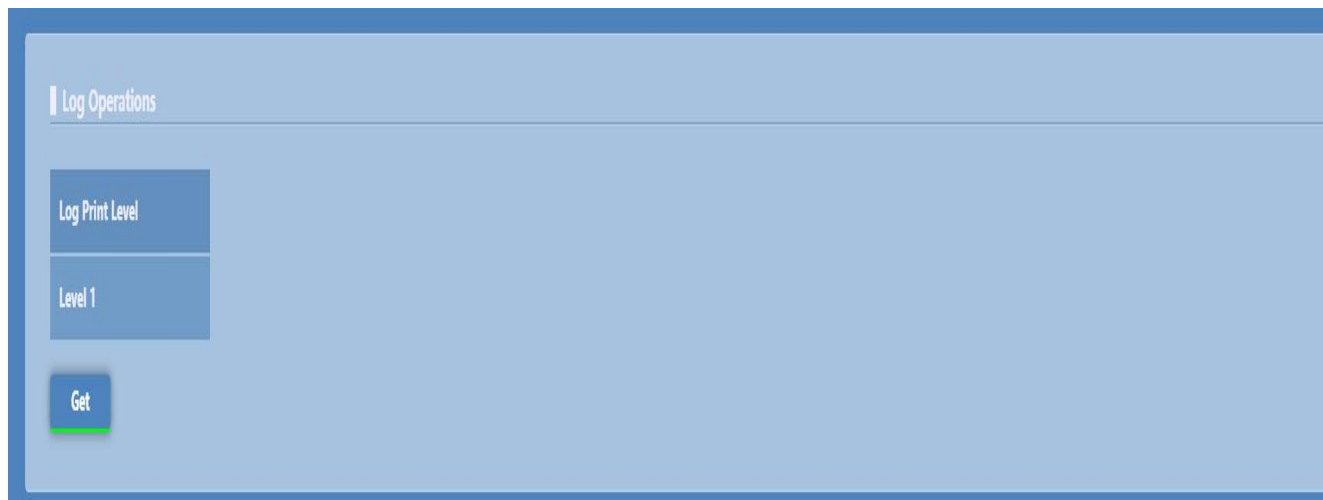


Figure 5-4-1

Current log: You can download the current log.

Backup log: You can download the backup log.

Log path: the path where the logs are stored.

Log level: The higher the level, the more detailed the logs are.

5.5 Software Upgrade

The gateway system can be upgraded in [Device /Software Upgrade], as shown in Figure 5-5-1:

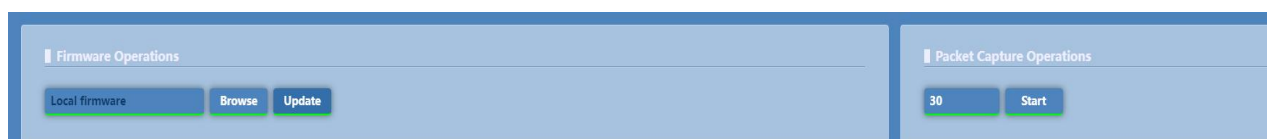


Figure 5-5-1

Click <Select File>, select the upgrade program of the gateway in the pop-up window, select it and click <Open>, then finally click <Upgrade> button on the web page. The system will automatically load the upgrade package, and will reboot automatically after the upgrade is completed.