

# ACU Audio Module User Manual

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Version 2.0

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## Revision History

Version	Release Date	Description
2.0	25/5/2026	Full update

# Document Information

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- Product: ACU Audio Module
- Document Type: User Manual
- Applicable Chassis: UCP1202/UCP1600 / UCP2120 / UCP4131
- Default IP: 172.16.80.13
- Default Username: admin
- Default Password: 1

## Product Overview

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The ACU Audio Module is designed for the UCP1202, UCP1600, UCP2120, and UCP4131 chassis series. It provides two audio channels and supports web-based configuration for network settings, SIP registration, channel parameters, status monitoring, device management, log management, and software upgrades.

## Statement

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This manual is intended only as an operating guide for users. No unit or individual may reproduce or excerpt part or all of the contents of this manual without the written permission of the company, and may not distribute it in any form.

## 1. Device Panel Introduction

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### 1.1 Chassis Overview

The ACU module is used with the UCP1600, UCP2120, and UCP4131 chassis series.

Figure 1-1-1 Front View of the ACU Module



## 1.2 Board Overview

Figure 1-2-1 ACU Board Layout



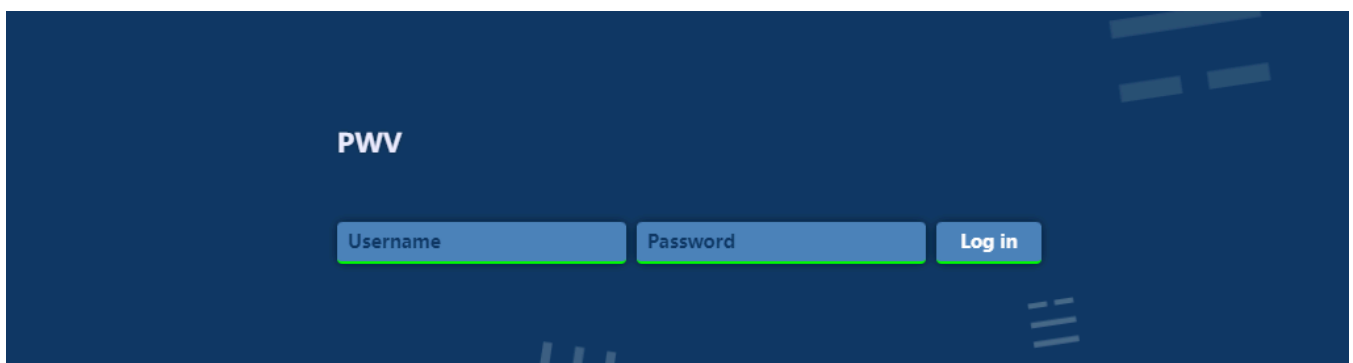
As shown in Figure 1-2-1, the labels on the board indicate the following:

1. Indicator lights: There are three indicators from left to right: fault light **E**, power light **P**, and run light **R**. During normal operation, the power light stays green, the run light flashes green, and the fault light is currently unused.
2. Reset key: Press and hold for more than 10 seconds to restore the temporary IP address **10.20.30.1**. After power loss and reboot, the original IP address is restored.
3. **V1** is the first audio channel. Red **OUT** is the audio output, and white **IN** is the audio input. **V2** is the second audio channel.

## 2. Login

To log in to the gateway web interface, open a browser and enter `http://IP`, where **IP** is the address of the audio gateway. The default IP address is **10.20.40.40**. The initial username is **admin**, and the initial password is **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 below.

Figure 3-1-1 Network Settings



Figure 3-1-2 Static IP Configuration

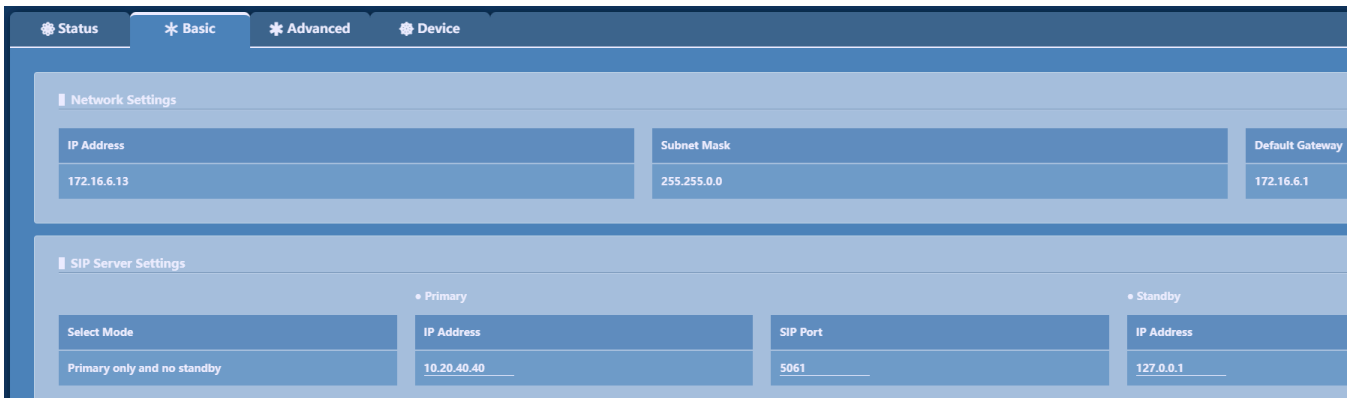


**Note:** The gateway currently supports only static IP acquisition. After modifying the network address information, you must reboot the device for the changes to take effect.

### 3.2 Registration Server Configuration

In **Basic / SIP Server Settings**, you can configure the IP addresses of the primary and backup registration servers, as well as the registration switchover mode.

Figure 3-2-1 SIP Server Settings



The registration modes are divided into three types. The registration order is: primary softswitch, then backup softswitch.

Figure 3-2-2 Primary and Backup Registration Modes



- No primary/backup switching: Register only to the primary softswitch.
- Primary softswitch priority: If registration to the primary softswitch fails, the device registers to the backup softswitch. When the primary softswitch recovers, the next registration cycle switches back to the primary softswitch.
- Current softswitch priority: If registration to the primary softswitch fails, the device registers to the

backup softswitch. When the primary softswitch recovers, the device continues to register with the current softswitch instead of switching back automatically.

### 3.3 Add User Numbers

User numbers can be added in **Basic / Channel Settings**, as shown below.

Figure 3-3-1 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

Configuration items:

- Channel Number: **0** or **1**
- User Number: The phone number corresponding to the line.
- Registration Username / Registration Password / Registration Period: The account, password, and interval used when registering to the platform.
- Hotline Number: The called number used by the hotline function key. It is triggered according to COR carrier polarity. If **Low valid** is configured, the function is triggered when the external input is high, and vice versa.

Figure 3-3-2 Channel Configuration Notes



Notes:

1. Registration start time = Registration period \* **0.85**.
2. The gateway uses only two channels, so only two users can be added.

When adding a number, you can also configure media, gain, and PSTN settings.

### 3.4 Media Configuration

When adding a gateway user, you can select the voice codec for the user under **Advanced / User Information / Media Settings**.

Figure 3-4-1 Media Settings

Ch ID	Username	DSP D->A	Primary Codec	Secondary Codec
0	7001	Level 5	G711A	G711U
1	7002	Level 5	G711A	G711U

- Voice Codec: **G711a**, **G711u**

## 3.5 Gain Configuration

In **Advanced / Gain Configuration**, you can configure the user's gain type.

Figure 3-5-1 Gain Configuration

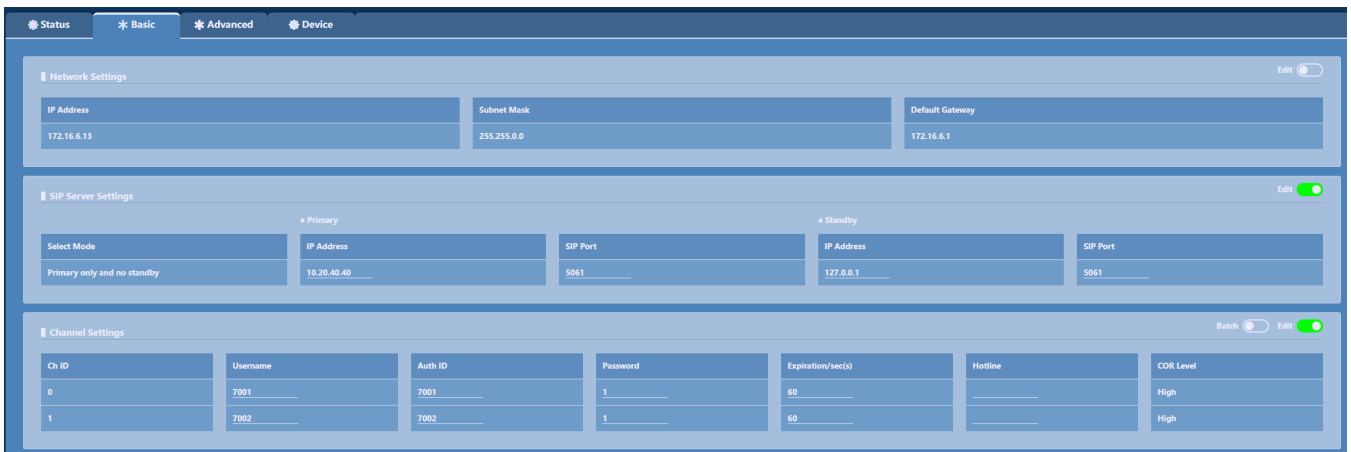


- **DSP\_D->A Gain**: The gain from the digital side to the analog side. Five levels are available, and the highest level is the maximum gain.

## 3.6 Basic Configuration

In **Basic Configuration**, you can view the basic device settings, as shown below.

Figure 3-6-1 Basic Configuration

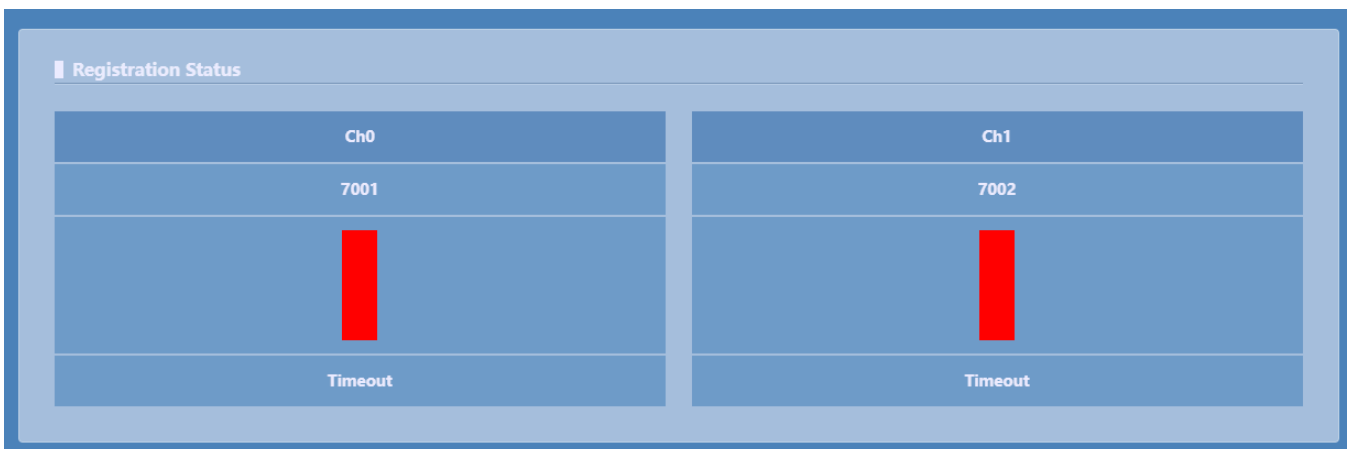


# 4. Status Queries

## 4.1 Registration Status

In **Status / Registration Status**, you can view the user registration status information.

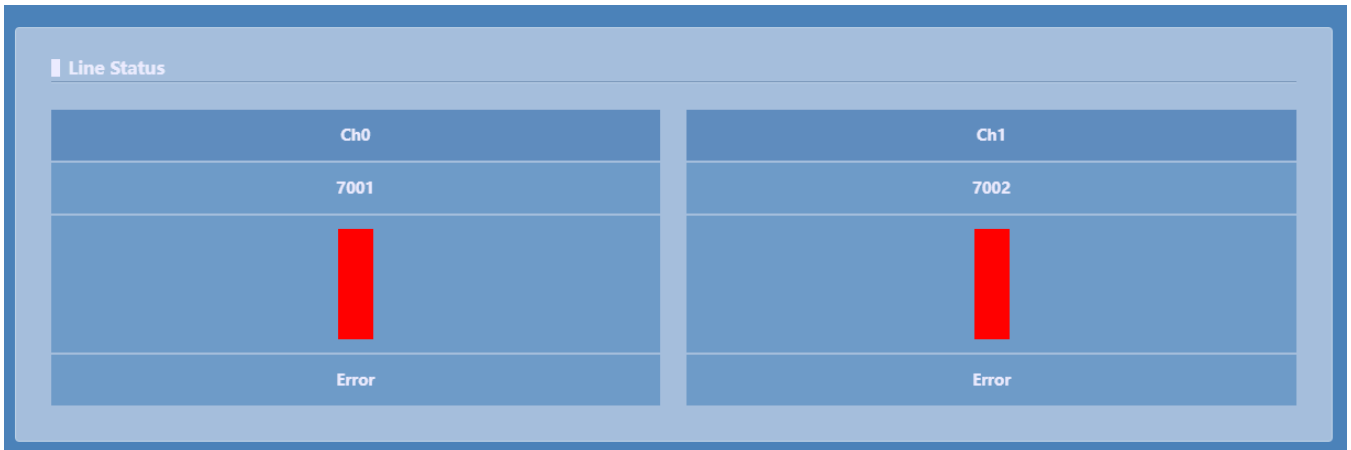
Figure 4-1-1 Registration Status



## 4.2 Line Status

In `Status / Line Status`, you can view the line status information.

Figure 4-2-1 Line Status

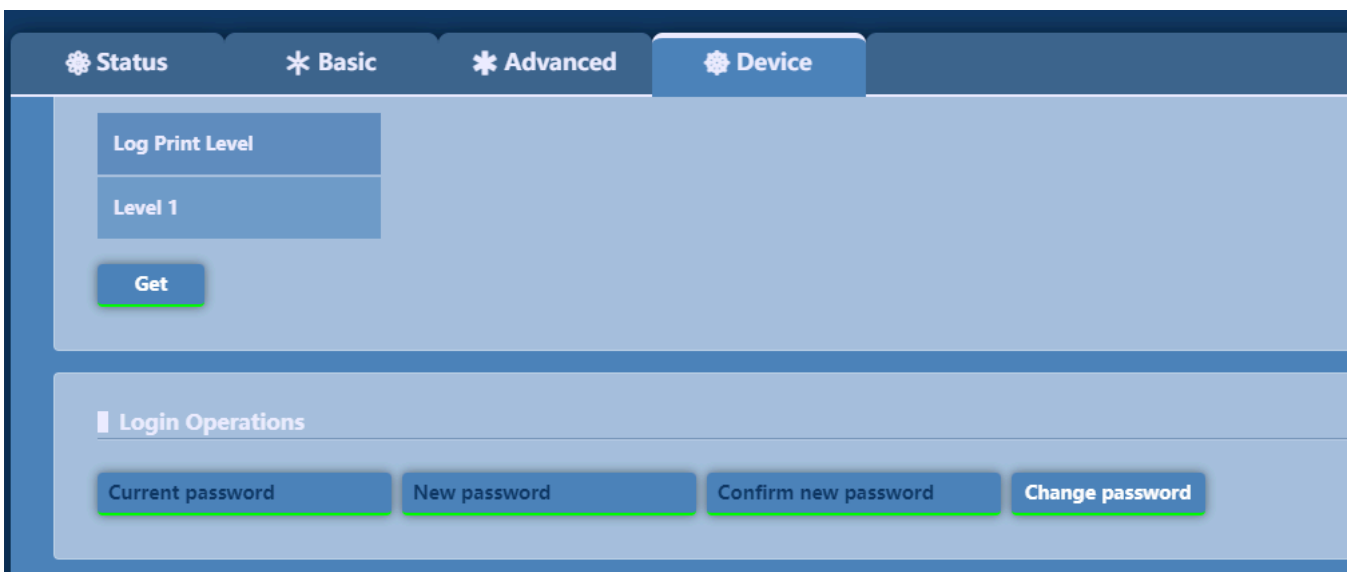


## 5. Device Management

### 5.1 Account Management

The web login password can be changed in `Device / Login Operations`.

Figure 5-1-1 Login Operations

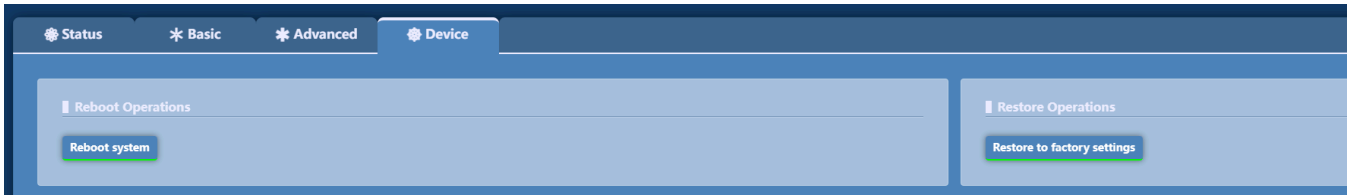


- Change Password: Enter the current password in the old password field, enter the new password, confirm it, and click `<Modify Password>` to complete the change.

### 5.2 Device Operation

In `Device / Device operation`, you can restore or reboot the gateway.

Figure 5-2-1 Device Operation



- Restore Factory Settings: Click `<Restore>` to restore the gateway configuration to factory settings. This does not affect the system IP-related information.
- Reboot Device: Click `<Reboot>` to restart the device.

### 5.3 Version Information

The version numbers of gateway-related programs and library files can be viewed in `Device / Version Information`.

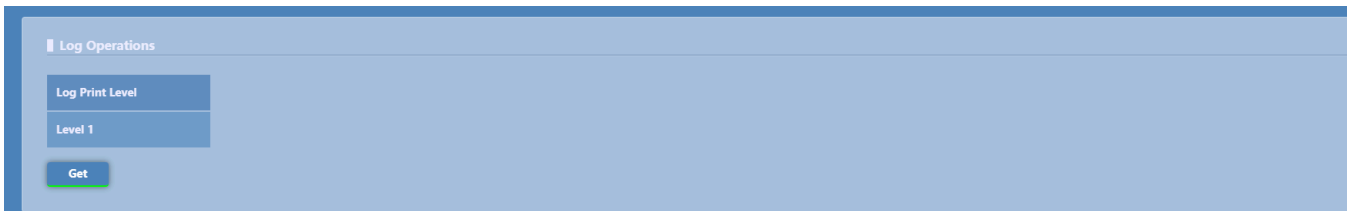
Figure 5-3-1 Version Information



### 5.4 Log Management

The log path, log level, and related options can be configured in `Device / Log Management`.

Figure 5-4-1 Log Management

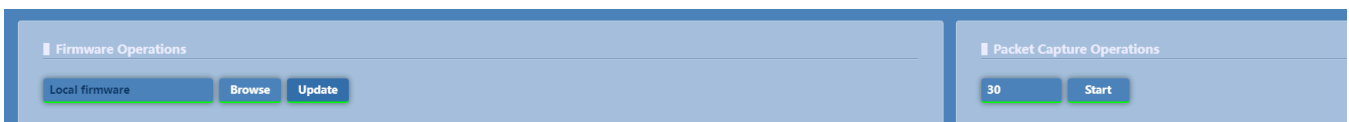


- Current Log: Download the current log file.
- Backup Log: Download the backup log file.
- Log Path: Displays the path where logs are stored.
- Log Level: The higher the level, the more detailed the logs.

### 5.5 Software Upgrade

The gateway system can be upgraded in `Device / Software Upgrade`.

Figure 5-5-1 Software Upgrade



Click `<select File>`, choose the gateway upgrade package in the pop-up window, click `<open>`, and then click `<Upgrade>` on the web page. The system automatically loads the upgrade package and reboots after the upgrade is completed.