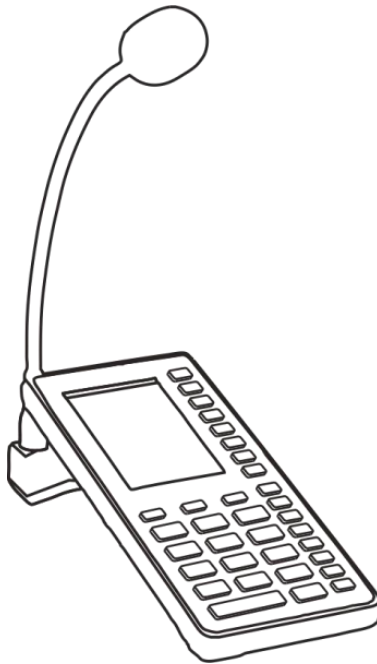




Network Paging Microphone

USER MANUAL



www.sponcomm.com

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Manufacturer's Reference

SPON Communications Co., Ltd is the holder of the following certificates:

- ISO 9001:2015 QUALITY MANAGEMENT SYSTEM CERTIFICATE.
- ISO/IEC 20000-1:2018 INFORMATION TECHNOLOGY-SERVICE MANAGEMENT CERTIFICATE OF CONFORMITY.
- ISO/IEC 27001:2022 INFORMATION SECURITY MANAGEMENT SYSTEM CERTIFICATE OF CONFORMITY.
- ISO 14001:2015 ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE.
- ISO 45001:2018 OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM CERTIFICATE.
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If you connect the product to the Internet, you will bear your own risks, including but not limited to the possibility that the product may be attacked by network, hacker, virus infection, etc. The company is not responsible for the abnormal operation of the product, information leakage and other problems caused by this, but we will provide you with product-related technical support in a timely manner.

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If the content of this manual conflicts with applicable laws, the legal provisions shall prevail.

Privacy protection reminder

When you install our products, you may collect personal information such as face and fingerprints. When using the products, you need to comply with the privacy protection laws and regulations of your region or country to protect the legitimate rights and interests of others. For example, provide clear and visible signs to inform relevant rights holders of the existence of video surveillance areas and provide corresponding contact information.

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Without the written permission of our company, any extract, reproduction, retransmission, modification of any content in this document in any way is illegal and prohibited strictly.

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About this manual

This manual is only used as a guide for related products and may differ from the actual product, please refer to the actual product.

The information in this guide is subject to modification without prior notice.

This manual is only used as a guide, and the statements made do not constitute any form of warranty.

The user shall bear full responsibility for the application of the product, SPON does not

assume any responsibility for any indirect or incidental losses caused by the incorrect use of this guide.

Important Safety Precaution

Please read this User Manual carefully before using this product and follow all the safety precautions mentioned herein.

During Installation

Avoid humidity:

Please do not expose the device to rainy environment or other humid environment, otherwise it may lead to fire or electric shock.

Use correct power supply:

Please use the specified power adapter for the device, using high voltage power supply may lead to fire or electric shock.

Protect the electric wire:

Do not scratch, cut or twist the power cord, keep the power cord away from any heating device, do not place heavy objects on top of the power cord, otherwise it may lead to fire or electric shock.

During Use

If anything goes wrong:

During use of this device, if any of these anomalies mentioned below happens, please cut off the electricity immediately, otherwise it may lead to fire or electric shock.

- smoke or strange smell coming out of the device.
- water or other foreign object gets into the device.
- damage on the product shell.
- damage of the power cord (cable core exposed or broken).
- malfunction of the device (no network connection or no sound).

Do not open the product shell:

There are high voltage parts inside of the product shell, opening the product shell without permission may lead to fire or electric shock.

Do not touch the device when it thunders:

To avoid electric shock, please do not touch the device or power plugs when it thunders.

Do not place liquid containers on top of the device:

If accidentally knock over the liquid container and let any liquid get into the device, it may

lead to fire or electric shock.

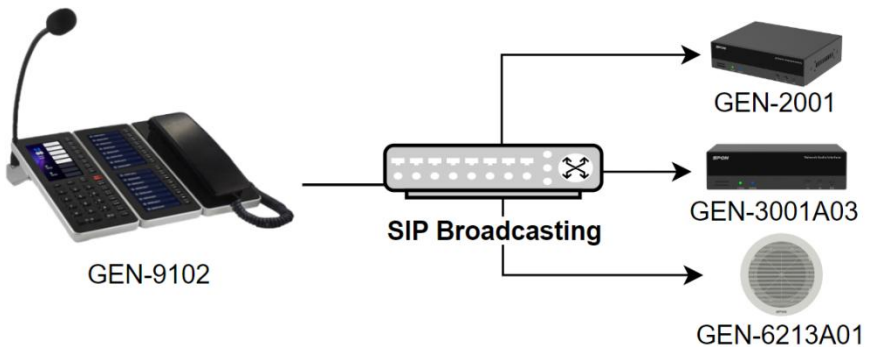
Cautions when the device is not in use

If the device is not in use for 10 days or longer, please cut off the electricity and unplug the power plug from the power socket, otherwise it may lead to fire or electric shock.

1. System Application Examples

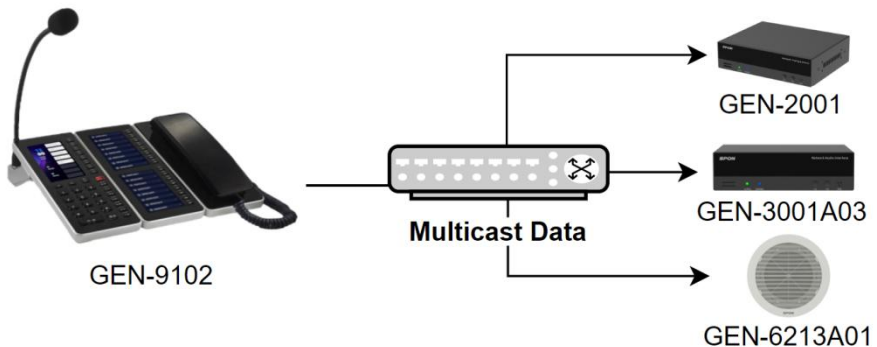
1.1. Individual Broadcasts

Broadcast to a single receiving endpoint via SIP Server or P2P.



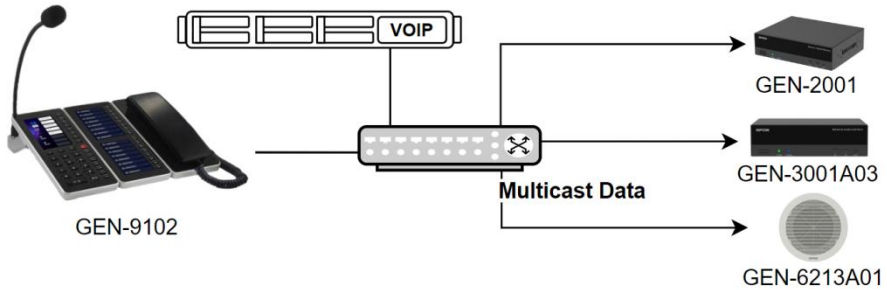
Group Broadcasts

By sending audio data to a multicast address using a paging microphone, multiple receiving terminals can receive and broadcast the data



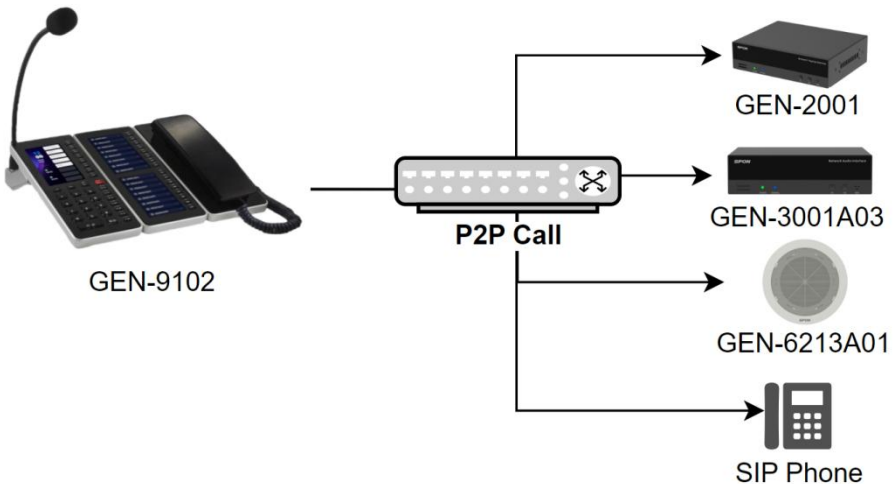
1.2. SIP Call

The paging microphone performs targeted calls through a registered SIP server, supporting not only network speakers but also SIP phones.



1.3. P2P Call

The paging microphone, based on the standard SIP protocol, initiates calls by adding P2P targets, supporting not only network speakers but also SIP phones.



2. Product Introduction

The GEN-9102 is a multi-button paging microphone, that initiates SIP/P2P calls, multicast paging, and HTTP command with one button, no server required. It includes 1GB storage, supports file uploads, and can be expanded with two sub-screens and a handset.



2.1. Product Features

- **Functional Keys:** Up to 40 multifunctional keys for quick task initiation across various scenarios.
- **Call Scenario:** Compatible with standard SIP servers, featuring a numeric keypad for personalized DTMF commands. Supports 50 P2P account add for intercom use without a server.
- **Broadcast Scenario:** One-click emergency broadcasts and support for 20 multicast groups for targeted content delivery. Supports simultaneous BGM, alarms, and voice announcements.
- **Signal Linkage:** Triggers short-circuit input signals for multicast, SIP/ P2P calls, or command sets.
- **Built-in large capacity storage** provides approximately 1GB of media storage space, supporting MP3 and WAV media files as well as pre-recorded files (audio recorded by the user through the microphone). This feature not only saves customers the cost of purchasing TF cards or USB drives but also avoids issues related to poor compatibility and instability often associated with external storage devices.
- **Classic silver and black design** with a high-gloss black finish, resembling piano lacquer. Expandable with two 4.3-inch color sub-screens and a handset, each displaying 16

quick key names for easy task management.

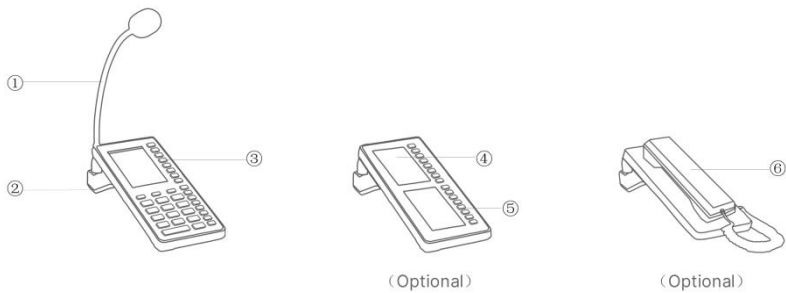
2.2. Product Specification

Product Specification	
Power	DC12V, PoE(IEEE802.3af/at)
Power Consumption	≤3W
Network Protocol	TCP/IP,UDP,HTTP,RTP,RTSP,ARP,ICMP,NTP,SIP
Network I/F	100BASE-TX, RJ45 Connector
Config Method	Web Interface or DevConfig Tool
Audio Trans	Multicast, x20(Editable)
Audio Codec	Opus, PCMU (G.711u), PCMA (G.711a), G.722
Line Input	×1(3.5mm port)
Input Sensitivity	-10dB
Line Output	×1
Output Sensitivity	-10dB
Control Input	×1
Built-in Speaker	×1, 3W
Speaker Sensitivity	88±3dB / 1m /1W
Gooseneck Mic	×1, Electret Microphone
Mic frequency response	50Hz~18KHz
Mic Sensitivity	-45dB±3dB
Functional Key	8*5pcs, OneTouch SIP/P2P Call/Multicast/HTTP command
Audio Storage	1024MB

Audio File Format	WAV, MP3
Command Set	×10 Sets,20 commands/set
Mounting Method	Desktop
Install Env	Indoor Locations
Working Temp	-10℃~+50℃
Housing Material	Aluminum, Plastic
Color	Button Shell: Silver Panel: Black
Dimensions	257.3×100×77.5mm
Weight	750g
Warranty	2 Years

2.3. Product Interfaces

[Front Panel]



- ①Microphone
- ②Built-in Speaker
- ③Quick Functional Keys

- Optional:**
- ④Display Screen
 - ⑤Quick Functional Keys
 - ⑥Headset



①IPS screen

②Quick Functional Keys

③Page navigation and settings confirmation buttons

④Holding the button for 1 second initiates an emergency broadcast to the highest-priority multicast address (with four preset emergency audio messages)

⑤Numeric dialing keys allow direct input of an ID to initiate SIP or P2P calls, and support sending DTMF signals during a call.

⑥Function key area, from top to

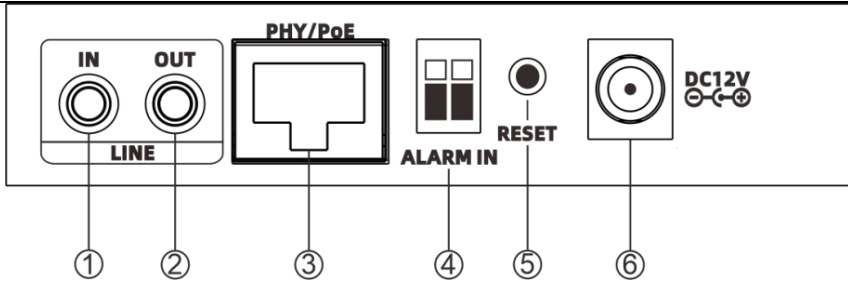
bottom: Query terminal basic information, Uploaded audio list, Pre-recorded audio, Volume +, Volume -, P2P call list, Broadcast.

⑦Call Key

⑧Cancel key or Back key

[Rear Panel]

Key	Function Description
 SOS Key	By default, long press for 1 second to trigger a broadcast to the highest priority multicast address.
 Information Key	Press to view terminal account, network, and other parameter information.
 File Key	Press to view media files, and select one to play for preview.
 Recorded Key	Press to enter the pre-recorded operation interface.
	Press to enter the P2P call list.
 Broadcast Key	Press and select a multicast target to perform a broadcast operation.
 Volume + Key	When it's playing the audio by pressing this key to increase the speaker volume.
 Volume - Key	When it's playing the audio by pressing this key to decrease the speaker volume.
 Intercom Key	Press this key to enter into the intercom status.
 Cancel Key	Press this key to cancel the operation or back to the main interface.
 "◀" Key	Press this key to realize the left page turning.
 "□" Key	Device Settings and Save Confirmation Buttons
 "▶" Key	Press this key to realize the right page turning.
 "F1" "F8"	Custom quick keys: Specific functions need to be configured via the WEB page.
 "0-9, *#"	Used for the intercom selection.



①Line input interface: Supports 3.5mm audio input for mixing with the gooseneck microphone and uploaded media files during broadcasts.

②Line output interface: The output is original audio signal. It can be used as a Audio source of amplifier, active loudspeakers, or background music playing.

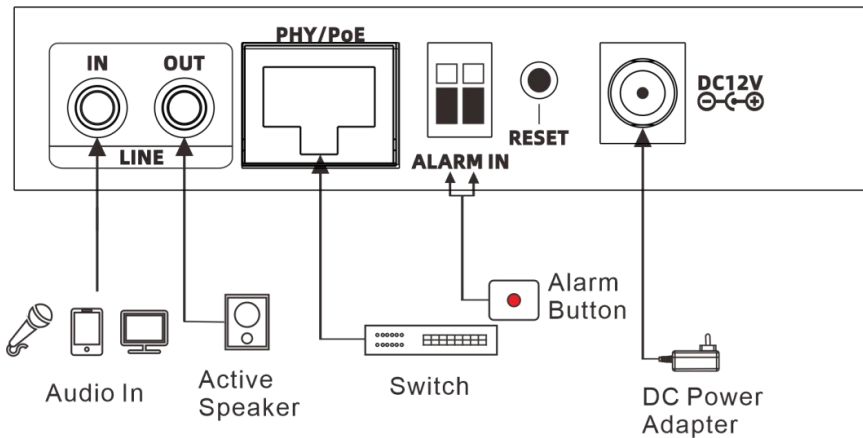
③Ethernet interface: Insert the network cable and connect to the server.

④Alarm in interface: Used for receiving external dry contact signal triggers. Configurable Interlinked Tasks, including: Multicast, SIP/P2P Calls, Command Sets.

⑤Reset button: Press and hold the button for more than 10 seconds to restore the device to factory default settings.

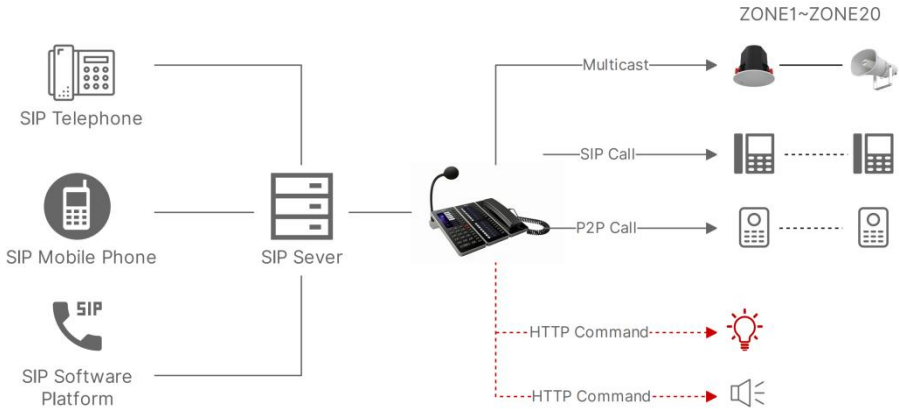
⑥Power interface: connect DC12V power adapter.

2.4. Product Wiring

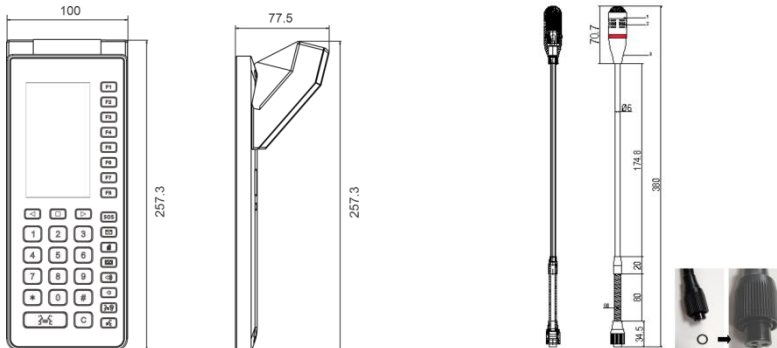


2.5. Application

The GEN-9102N network paging microphone is compatible with standard SIP protocols and supports up to 40 multifunctional keys. Additionally, it can initiate SIP/P2P calls, multicast announcements, and HTTP URL command links with a single button press, even in a server-less environment.



2.6. Product Dimension (Unit:mm)



2.7. Product Packing List



Power adapter
(DC12V/1.5A) 1pcs
(Optional)



Microphone
pole 1pcs



Installation
instructions 1pcs

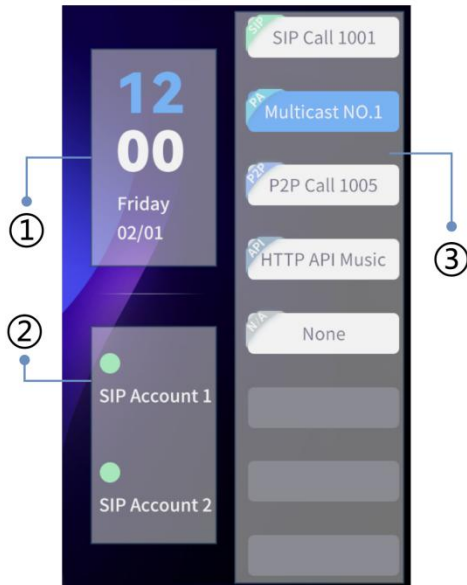


Certification 1pcs

3. Product Configuration

3.1. Description of GUI Interface Functions

3.1.1. Standby Screen



① Display the current time, date, and day of the week for the local region.

If users need to change the time, they can log in to the web page to make modifications. For details, see [3.2.4.2 Time](#)

② Display the registration status of the SIP account: green for successful registration, gray for failed registration or unconfigured. For specific SIP account related settings, see [3.2.3.3 SIP](#)

③ Shortcut function keys, triggered by F1 to F8, allow quick access to various functions.

If the quick key task only performs audio file playback, it can simultaneously trigger different audio files in different areas; if the quick key task includes microphone or AUX input, then pressing the quick key to execute other tasks is not possible.

Quick key related operations can be set up by logging into the WEB page. For details, see [3.2.3.1 Key Settings](#)

3.1.2. Initiating a call



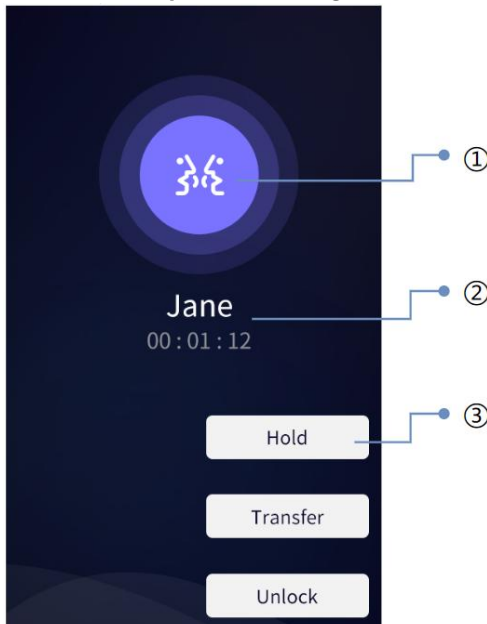
① Operation tips: If you forget how to operate, press F1 for help.

② Dialing area: The ID entered on the dial pad will be displayed here.

③ Delete key: If an ID is entered incorrectly, you can delete and modify it by pressing F5.

④ Account selection: Can be used to initiate call requests to different SIP servers.

3.1.3. Operations during a call



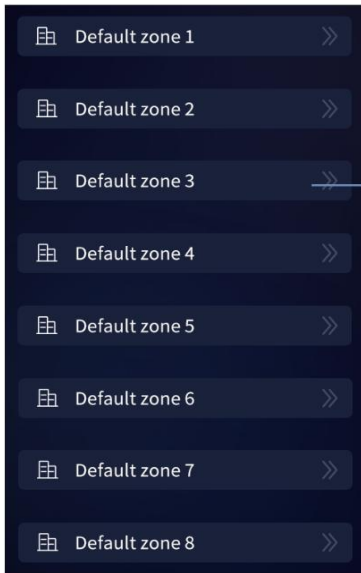
① Intercom interface icons.

② Displays the name of the current target user and the call duration.

③ During a call: Press F6 to hold, F7 to transfer (enter target ID and press F8 to confirm), press F8 to send DTMF command, or press C to cancel the transfer and return to the intercom interface. Press C again to hang up. When any account is registered, dialing calls will be made via SIP; if no SIP account is registered, the call will match the P2P list.

P2P List For details, see, [3.2.3.4 P2P Call List](#)

3.1.4. Initiating a Multicast

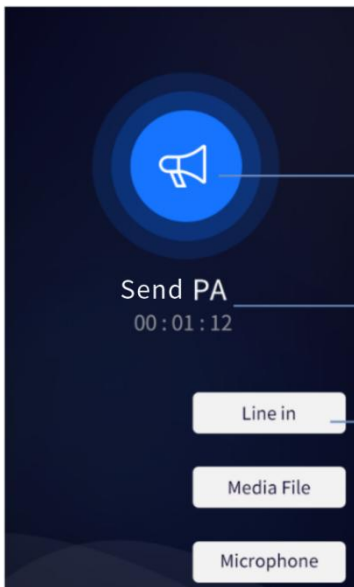


① After pressing the broadcast button , a multicast list will pop up. Press F1~F8 to initiate a broadcast to the target area.

Ps. Up to 20 multicast addresses are supported.

Use the ,  key to scroll through the pages. Multicast addresses and names can be modified by logging into the WEB page. For details, see [3.2.3.5 Multicast](#)

3.1.5. Broadcasting during a call

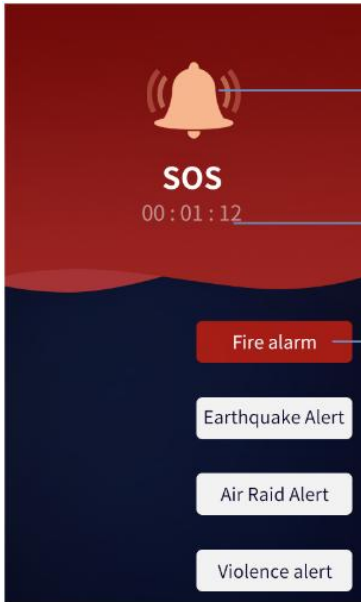


① Broadcast interface icons.

② Displays the current broadcast duration.

③ Broadcast defaults to Microphone input. Press F6/F7 to add Line In or Media File as mixed sources. To use only one source, press its button again until the icon background turns white (deselected). Press F7 to browse media, then select a track with F1~F8. Use the ,  key to scroll through pages.

3.1.6. Emergency broadcast



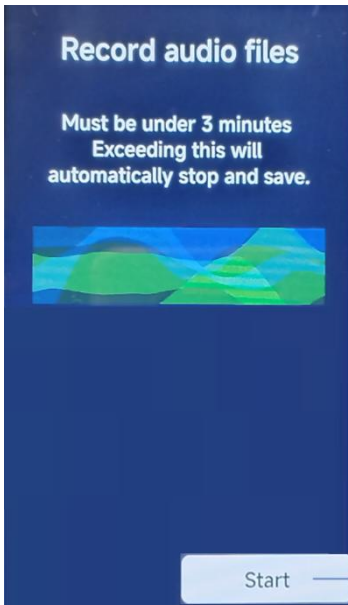
① Emergency broadcast interface icons.

② Displays the current broadcast duration.

③ Press and hold for **SOS** 1 second in case of a sudden emergency. triggers a broadcast task to the highest priority multicast address, using the Microphone as the default audio source. The system also provides four preset emergency signal audios, which can be mixed with the Microphone output by pressing F5~F8.

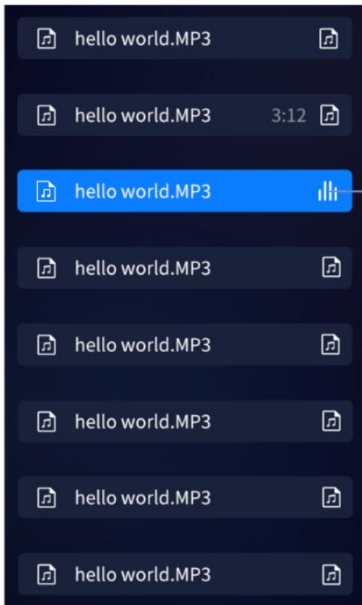
Ps. Alarm files and target addresses can be modified by logging into the WEB page. For details, see [3.2.3.1 Key Settings](#)

3.1.7. Pre-recorded audio



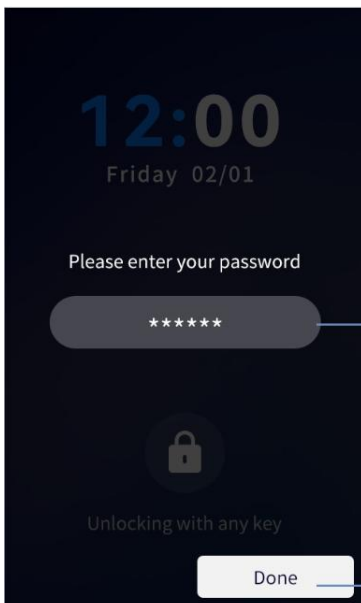
① Press the  pre-record button to start pre-recorded. Press F8 to start and stop recording (Microphone only). Maximum recording time is 3 minutes, supporting up to 100 files. Manage files via the WEB page. For details, see section [3.2.3.10 Media--Recording](#)

3.1.8. Media List



① Press  to view and listen to all stored media files. Press the corresponding F1~F8 buttons to select and play the file you want to listen to. If there are many files, use the ,  keys to scroll through pages. Media files can be managed by logging into the WEB page. For details, see section [3.2.3.10 Media](#).

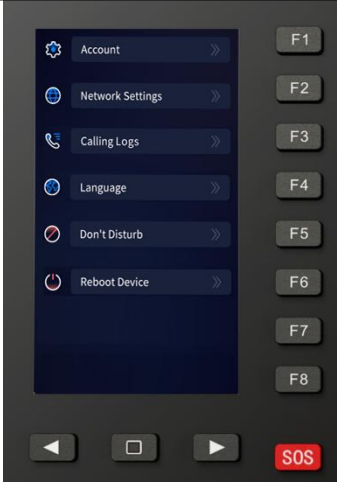
3.1.9. Lock screen

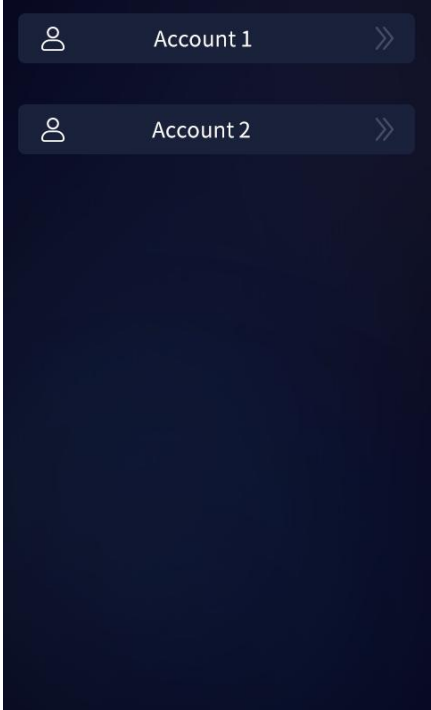


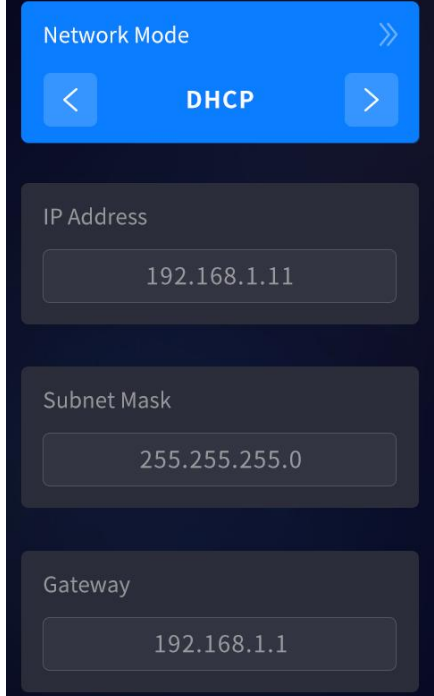
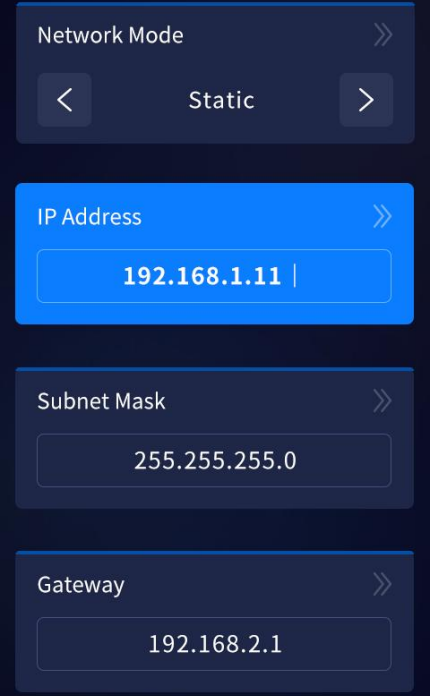
① Screen lock can be enabled via the WEB page. Set lock duration and a 6-digit numeric password as needed. For details, see [3.2.4.3 Security](#).

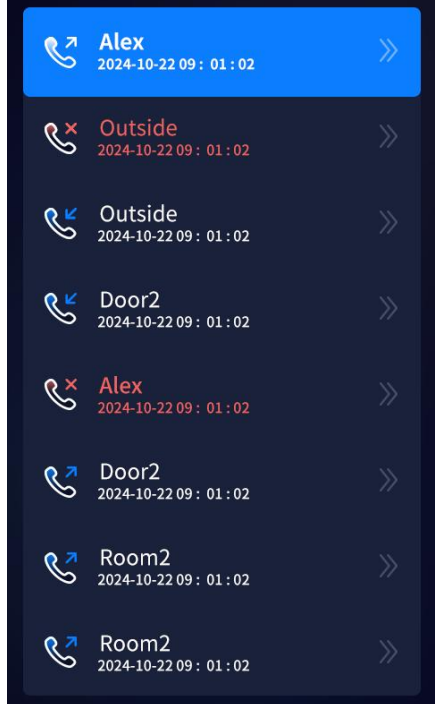
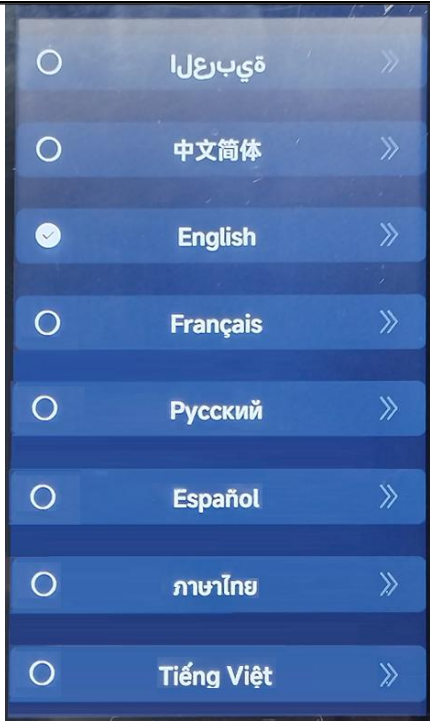
② After the device enters lock screen mode, press any key to bring up the password input box. Enter the correct password and press F8 (Done) to unlock.

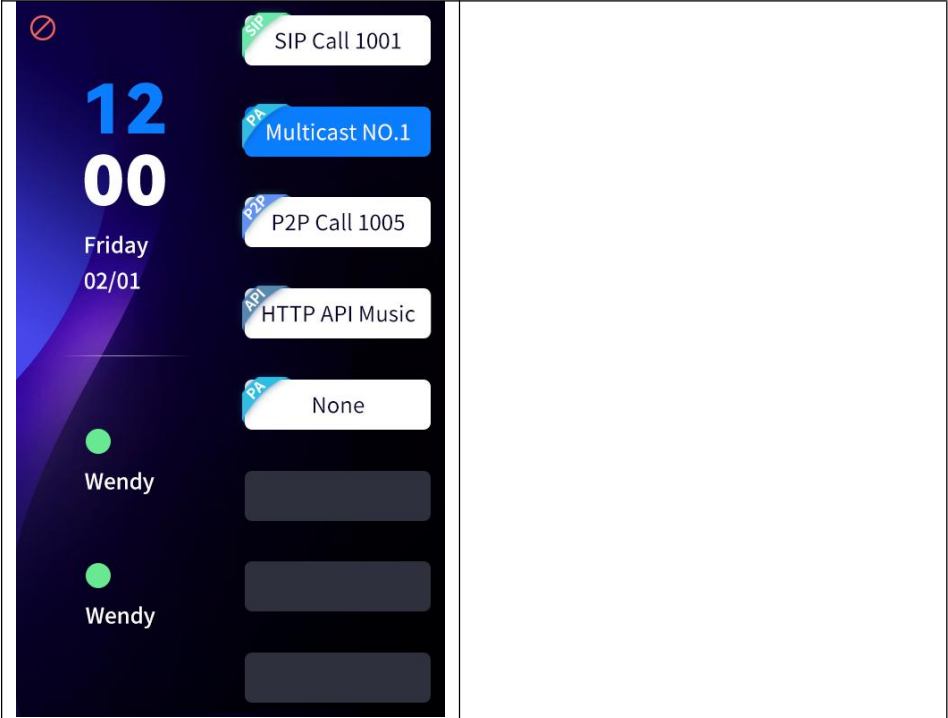
3.1.10. Terminal Setting

Step 1: Enter the settings interface	Step 2: Select the action to be performed
Press "  " in the standby interface to enter the setting interface	Press the F1~F8 function buttons to enter the corresponding function options.
	
Step 3: Account Select SIP account. Press  to save and press  to return to the previous menu.	

	
Step 4: DHCP Toggle the   selection with the left and right buttons. Press  to save and press  to return to the previous menu.	Step 4: Static Toggle the   selection with the left and right buttons. Press F3~F4 to modify the IP address Press F5~F6 to modify the subnet mask; Press F7~F8 to modify the gateway address; Input the desired IP address via numeric keypad. Press  to save and press  to return to the previous menu.

 The screenshot shows the 'Network Mode' settings. At the top, 'Network Mode' is displayed with a double arrow icon to its right. Below it, a blue bar contains a left arrow, the text 'DHCP', and a right arrow. Underneath, there are three input fields: 'IP Address' with the value '192.168.1.11', 'Subnet Mask' with the value '255.255.255.0', and 'Gateway' with the value '192.168.1.1'.	 The screenshot shows the 'Network Mode' settings. At the top, 'Network Mode' is displayed with a double arrow icon to its right. Below it, a dark blue bar contains a left arrow, the text 'Static', and a right arrow. Underneath, there are three input fields: 'IP Address' with the value '192.168.1.11 ', 'Subnet Mask' with the value '255.255.255.0', and 'Gateway' with the value '192.168.2.1'.
Step 5: Call Logs Showing call logs.	Step 6: Language Set the display language of the device.

	
Step7: Don't Disturb Set whether to enable "Don't Disturb" function, if it set to enable, the device will showing  icon on home page and other devices can't call or broadcast to the device.	



Step 8: A manual reboot is required for the parameters to take effect after they are set. Press F6 on the Step 2 page; then press  to reboot.

3.2. Web Page Parameter Configuration

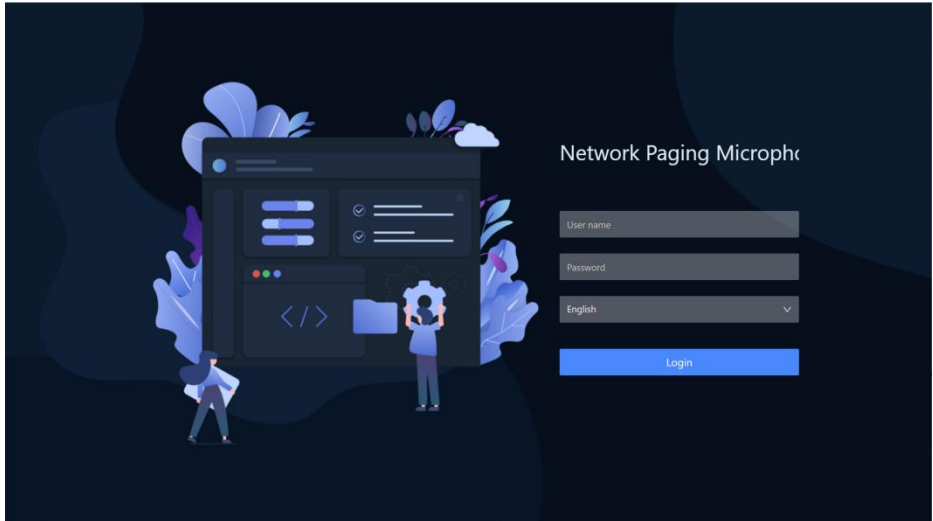
3.2.1. Login To Web Page

After connecting Network Paging Microphone to a standard local area network via the RJ45 Ethernet port, you can try to log in to the device's web interface.

(1) Please enter the IP address of the Network Paging Microphone in the address bar of web browser (the default IP address is 192.168.1.101), and then press enter.

(2) Enter the username, and password on the login page.

[Note: Default username and password are both admin.](#)

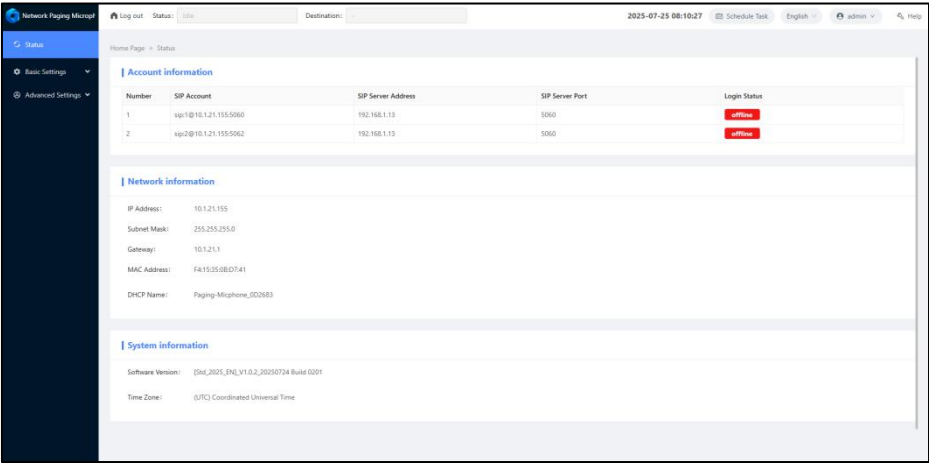


(3) Press login to enter the Network Paging Microphone web page.

[\(Note: If the relevant parameter modification in the web page does not take effect after saving, please clear the cache and set them again.\)](#)

3.2.2. Status

When login to the web page, click on “Status”, it will show the information of: Two SIP account information, terminal IP address, default gateway, device MAC address, software version, terminal time zone.



3.2.3. Basic Settings

3.2.3.1. SIP

Set the information of two SIP account. click on [save] button after setting, the parameters will take effect after reboot.

Network Paging Microphone

Log out | Status: Idle | Destination:

2025-07-25 08:45:40 | Schedule Task | English | admin | Help

Home Page > Basic Settings > SIP

Save

Account Settings

Account 1

Account 2

User ID: 1

Authentication ID: 1

Display name: Account 1

Password: ****

Server Name: SIP Server 1

* Server IP: 192.168.1.13

* Server Port: 5060

* Local Port: 5060

Protocol: ☒ UDP ☐ TCP

Registration cycle (sec): 70

Auto Answer Time (sec): Manual answer

Unblock DTMF:

NAT: Disable

Busy Forward:

No Reply Forward:

Unconditional Forward:

User ID: 2

Authentication ID: 2

Display name: Account 2

Password: ****

Server Name: SIP Server 2

* Server IP: 192.168.1.13

* Server Port: 5060

* Local Port: 5060

Protocol: ☒ UDP ☐ TCP

Registration cycle (sec): 70

Auto Answer Time (sec): Manual answer

Unblock DTMF:

NAT: Disable

Busy Forward:

No Reply Forward:

Unconditional Forward:

Public settings

Call timeout (sec): 30

Ring timeout (sec): 30

Audio Port: 20000 - 32999

☒ 0 item Disable

☐ 6 items Enable

PCM1

PCMA

G722

OPUS

MP3

NAT Settings

Server Addr:

Server Port:

Server User:

Server Password: ****

SIP	
User ID	The user ID number registered with SIP server.
Authentication ID	The authentication ID number registered with SIP server.
Display name	The Display name of SIP account, it will be displayed on the terminal interface after setting.

Password	The password for the terminal to register to SIP server.
Server Name	Fill in the server name the device logged in.
Server IP, Server Port	SIP server IP address and port. Note: The default port is 5060, which don't need to change except in special cases.
Local Port	The default is 5060.
Protocol	The IP transmission method for SIP registration. TCP and UDP are optional.
Registration cycle (sec)	The refresh interval of SIP account registration.
Auto Answer Time (sec)	Set the answer mode, Manual answer and auto answer are optional. Manual answer: you need to click on "Intercom" button to answer call. Auto answer: it will automatically answer the call after auto answer time.
Unlock DTMF	Set unlock DTMF, when the other party click on remote unlock during intercom, you can send back the unlock DTMF.
Audio Port	The audio transmission port used during calls.
NAT	Set whether to enable NAT IP address transfer function.
Busy Forward	Set busy forward target. When the call target is busy, the call will transfer to busy forward target.
No Reply Forward	Set no reply forward target. When the call target is no reply, the call will transfer to no reply forward target.
Unconditional Forward	Set unconditional forward target. No matter what condition the call target is, the call will transfer to unconditional forward target.
Call timeout	Configure the call timeout time.
Ring timeout	Configure the ring timeout time.
Audio Port	Configure audio port, the default is 20000-33999.
Audio Coding	Supports PCMU, PCMA, G722, L16, and MP3 encoding methods, with priority ordered from top to bottom. To adjust the audio coding priority, move the desired coding method to the left selection box and then select it to move to the right to complete the configuration.
NAT Settings	Fill in the target server IP address and port that the device connected after NAT IP address transfer. And also need to fill in the username and password to connect the server.

3.2.3.2. Network

Set terminal network parameters, click on [save] button after setting, the parameters will take effect after reboot.

The screenshot displays the 'Network Setting' page of the Network Paging Microphone web interface. The left sidebar contains navigation links for Status, Basic Settings, SIP, Network (selected), Audio, Key Settings, Multicast, Pattern, Media, P2P Call List, Command List, Event, and Priority. The main content area shows the following settings:

- DHCP:** A toggle switch is currently turned on.
- DHCP Name:** A text input field containing 'Paging-Microphone_002683'.
- IP Address:** A text input field containing '192.168.1.101'.
- Subnet Mask:** A text input field containing '255.255.255.0'.
- Gateway:** A text input field containing '192.168.1.1'.
- DNS1:** A text input field containing '8.8.8.8'.
- DNS2:** A text input field containing '192.168.1.1'.
- MTU:** A text input field containing '1400'.

A green 'Save' button is located in the top right corner of the settings area.

Network	
DHCP	Set IP address obtain mode. Supports static IP and DHCP. Static IP: User customize IP address and other information. Default is static IP , DHCP: Assign IP address via DHCP.
DHCP Name	User can edit DHCP name and upload it to DHCP server.
IP Address	The IP address of the device, which cannot be repeated with other terminals. The factory default IP is 192.168.1.101.
Subnet Mask	Subnet mask of the network where the terminal is located.
Gateway	Gateway of the network where the terminal is located
DNS1	The IP of the primary domain name resolver of the network where the terminal is located
DNS2	The IP of the standby domain name resolver of the network where the terminal is located
MTU	The maximum packet length for network transmission, default is 1400.

3.2.3.3. Audio

Network Pjping MicroP

Status

Basic Settings

SP

Network

Audio

Key Settings

Multicast

Pattern

Media

P2P Call List

Command List

Event

Priority

Advanced Settings

Log out

Status: 11111111 to Multicast

Destination: multicast.2

2025-07-25 09:24:19

Schedule Task

English

admin

Help

Home Page > Basic Settings > Audio

Save

Audio Params

Talk Params

Talk input volume: 9

Talk Input Channel: Microphone

Talk Output Channel: Speaker

Echo Cancellation: On

Ringtone: Default Tones

Ringtone Volume: 9

PA Params

PA input volume: 9

PA tone: On

Start tone: Default Tones

End tone: Default Tones

PA tone Volume: 9

Output Parameter

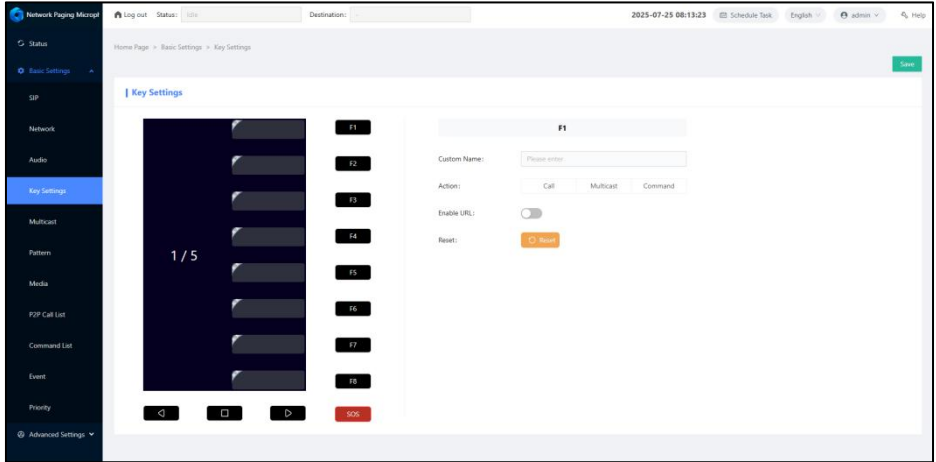
Output Volume: 9

Audio	
Talk Input Volume	The input volume during intercom (MIC, AUX inputs share this parameter)
Talk Input Channel	Set talk input channel, microphone, line in, auto are optional.
Talk Output Channel	Set talk output channel, speaker, line out are optional.
Echo Cancellation	Set whether to enable echo cancellation function. It is used to optimize poor audio effects during intercom due to network latency or other reasons.
Ringtones	Configure the incoming call ringtone. Support custom ringtone, custom ringtones are only supported in the WAV format. Note: You need to upload ringtone below Media--ringtone module first.
Ringtone Volume	Set the ringtone volume.
PA input Volume	Set the broadcast input volume.
PA Tone	Set whether to enable broadcast prompt tone.
Start Tone	When PA Tone is enabled, set the start broadcast prompt tone. Support custom ringtone, custom ringtones are only supported in the WAV format. Note: You need to upload ringtone below Media--ringtone module first.

End Tone	When PA Tone is enabled, set the start broadcast prompt tone. Support custom ringtone, custom ringtones are only supported in the WAV format. Note: You need to upload ringtone below Media--ringtone module first.
PA Tone Volume	Set broadcast prompt tone volume.
Output Volume	Configure the volume of the terminal speaker, and line output.

3.2.3.4. Key Settings

Set the function of key 1-40 of device display interface. Press “” and “” key can page-turning effect. click on [save] button after setting.



Key Settings	
Custom Name	Set the display name of key.
Action	Set the operation when pressing the key. Call, Multicast, Command are optional.
Enable URL	Set whether to enable URL function. When it is enabled, it will generate an API URL link, copy the API URL link into API tool, it can control the key to execute task.
Reset	Click on “reset” button can reset the settings.

Multicast:

When select multicast as action, the terminal will make multicast to the multicast address selected after pressing the key. please set parameters below.

*For specific configuration methods, see section 3.2.3.5 Multicast.

MIC: Set whether select microphone input as multicast input channel.

AUX: Set whether select Line input interface as multicast input channel.

*If both MIC and AUX are selected, the output will be a mix of both.

Pattern: Set whether select audio file as multicast input channel, you need to configure Pattern bellow Basic--Pattern module first.

F1	
Custom Name:	m8
Action:	Call <input checked="" type="button" value="Multicast"/> Command
Pattern:	Pattern 1
*Target:	multicast 1
MIC:	☐
AUX:	☐

SIP Call

When select SIP Call as action, the terminal will make SIP call to the SIP target selected after pressing the key. please set parameters below.

Note: network paging microphone need to login SIP server.

Account: Select the SIP account that make the SIP call.

Target: Set the SIP call target.

DTMF: Enter the DTMF signal that needs to be quickly sent (automatically sent after establishing a SIP call, supports only RFC2833).

F1	
Custom Name:	m8
Action:	<input checked="" type="button" value="Call"/> Multicast Command
*Account:	<input checked="" type="button" value="Account1"/> Account2 P2P
*Target:	3
DTMF:	01

P2P Call

When select P2P Call as action, the terminal will make P2P call to the target after pressing the key. please set parameters below.

Target: Select the P2P call target. you need to configure P2P call target--P2P Call List first.

DTMF: Enter the DTMF signal that needs to be quickly sent (automatically sent after establishing a P2P call, supports only RFC2833).

F1

Custom Name:

m8

Action:

Call

Multicast

Command

*Account:

Account1

Account2

P2P

*Target:

call 1

DTMF:

01

Command

When select Command as action, the terminal will send command after pressing the key. please set parameters below.

Command Set

[*For specific configuration methods see section 3.2.3.10 Command List](#)

F1

Custom Name:

m8

Action:

Call

Multicast

Command

*Command Set:

Command Set 1

3.2.3.5. Multicast

Set the multicast name, multicast IP and port in the multicast list.

Click on [save] button after setting, the parameters will take effect after reboot.

Audio Code: The encoding format of audio data used for multicast.

TTL: The maximum number of networks that can be traversed when multicast across networks.

Network Paging Microphone

Log out · Status · 2025-07-25 09:20:03 · Destination ·

2025-07-25 09:20:03 · Schedule Task · English · Admin · Help

Status

Basic Settings

IP

Network

Audio

Key Settings

Multicast

Pattern

Media

P2P Call List

Command List

Event

Priority

Advanced Settings

Home Page > Basic Settings > Multicast

Save

Multicast List

Number	Multicast Name	IP	Port
1	multicast 1	239.239.34.1	48000
2	multicast 2	239.239.34.2	48002
3	multicast 3	239.239.34.3	48004
4	multicast 4	239.239.34.4	48006
5	multicast 5	239.239.34.5	48008
6	multicast 6	239.239.34.6	48010
7	multicast 7	239.239.34.17	48012
8	multicast 8	239.239.34.8	48014
9	multicast 9	239.239.34.9	48016
10	multicast 10	239.239.34.10	48018
11	multicast 11	239.239.34.11	48020
12	multicast 12	239.239.34.12	48022
13	multicast 13	239.239.34.13	48024

Multicast Parameter

Audio Code
OPUS

TTL
1

3.2.3.6. Pattern

Configure pattern, Click on [save] button after setting, the parameters will take effect after reboot.

Play List : Select playlist.

Play Mode: Set play mode, Play count and Duration are optional.

Play Count: set playlist number of plays, it will play the whole playlist for set times.

Duration: Set playlist play time.

Interval: Set the interval before the next playlist playback after the list files have finished playing.

Random Play: Set whether to enable random play function.

Input Volume: The play volume of the playlist files.

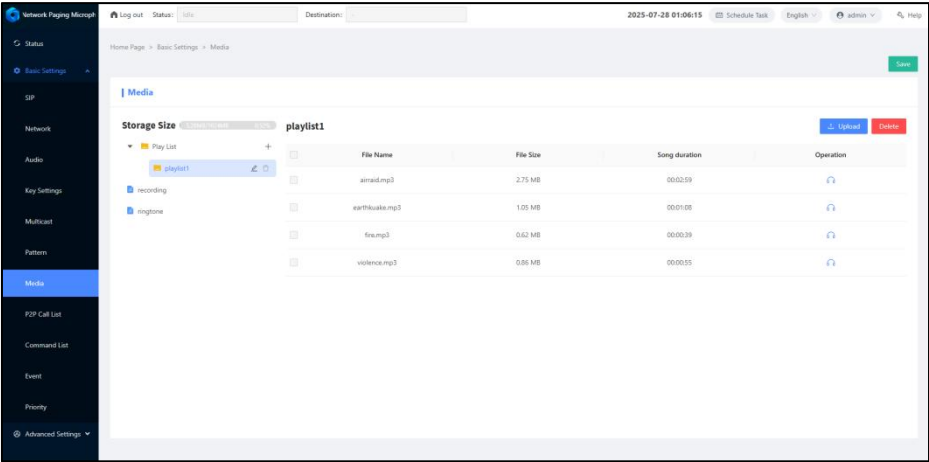
Number	File Name	Play List	Playback Mode	Interval	Random Play	Input Volume
1	Pattern 1	Please select	Play Count 1 times (1-10)	1 sec (0-3600)	☐	9
2	Pattern 2	Please select	Play Count 1 times (1-10)	1 sec (0-3600)	☐	9
3	Pattern 3	Please select	Play Count 1 times (1-10)	1 sec (0-3600)	☐	9
4	Pattern 4	Please select	Play Count 1 times (1-10)	1 sec (0-3600)	☐	9
5	Pattern 5	Please select	Play Count 1 times (1-10)	1 sec (0-3600)	☐	9
6	Pattern 6	Please select	Play Count 1 times (1-10)	1 sec (0-3600)	☐	9
7	Pattern 7	Please select	Play Count 1 times (1-10)	1 sec (0-3600)	☐	9
8	Pattern 8	Please select	Play Count 1 times (1-10)	1 sec (0-3600)	☐	9
9	Pattern 9	Please select	Play Count 1 times (1-10)	1 sec (0-3600)	☐	9

3.2.3.7. Media

Upload media audio files, Click on [save] button after setting, it will take effect after save.
Playlist:4 default files for emergency broadcasting, which cannot be deleted.

recording: Device recording files, Support custom name.

ringtone: Upload ringtones used for incoming call prompts and broadcast prompts. Only WAV format is supported.

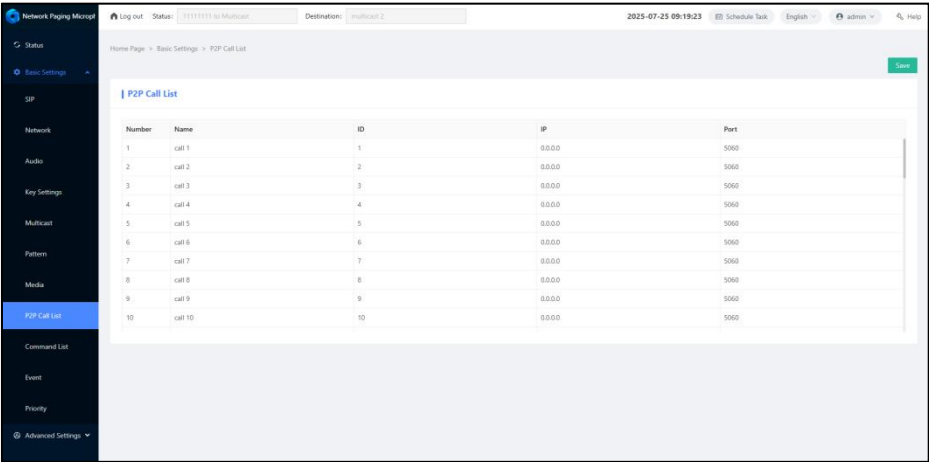


3.2.3.8. P2P Call List

Configure the offline talk parameters so that the device can communicate when it is offline.

(1) Set the device name, device ID, IP address and port in the P2P call list, and click on "Save" after setting.

(2) When the device is offline, Press the  key to enter the P2P call list on the device, and press F1-F8 key to initiate an offline intercom.



3.2.3.10. Event

Network Paging Microphone

Log out | Status: 11111111 to Multicast | Destination: multicast 2 | 2025-07-25 09:34:36 | Schedule Task | English | admin | Help

Status

Basic Settings

SIP

Network

Audio

Key Settings

Multicast

Pattern

Media

P2P Call List

Command List

Event

Priority

Advanced Settings

Home Page > Basic Settings > Event

Save

Alarm In Params

Alarm Enable: ☒

Default Level:

Alarm Type:

Action:

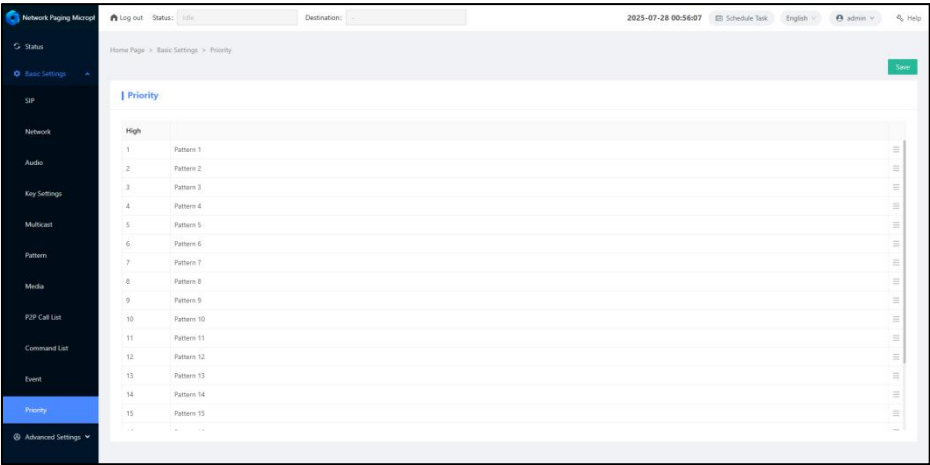
Destination:

Pattern:

Event	
Alarm Enable	Set whether to enable alarm input linkage function.
Default Level	Set the default level of the device, normal open and normal close are optional.
Alarm Type	Set alarm type. level alarm and edge alarm are optional.
Action	Set alarm input linkage action. Multicast, SIP target, Command, P2P call are optional. The specific meanings of this four actions please refer to Basic Settings--Key Settings module.

3.2.3.11. Priority

Set the priority of patterns, users can freely drag and drop to sort the list using the buttons on the right side. **Note: Only used in scheduled tasks.**



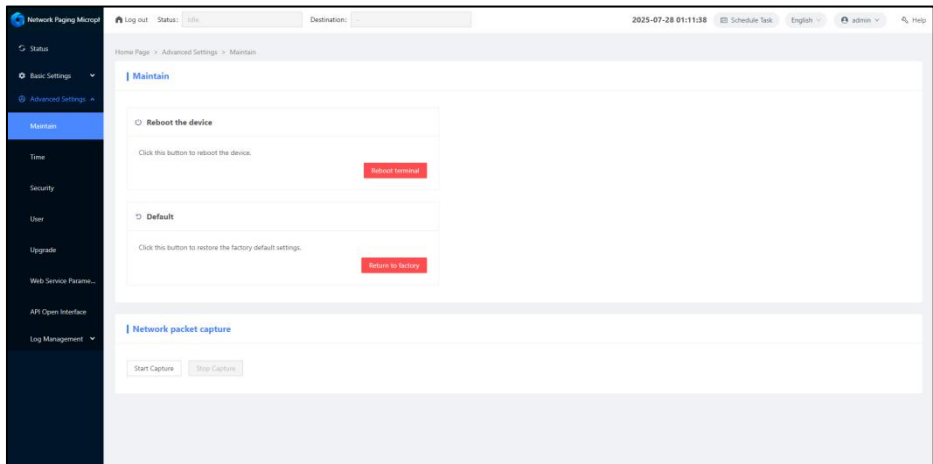
3.2.4. Advanced Settings

3.2.4.1. Maintain

Reboot Terminal: Clicking on this button will reboot the device.

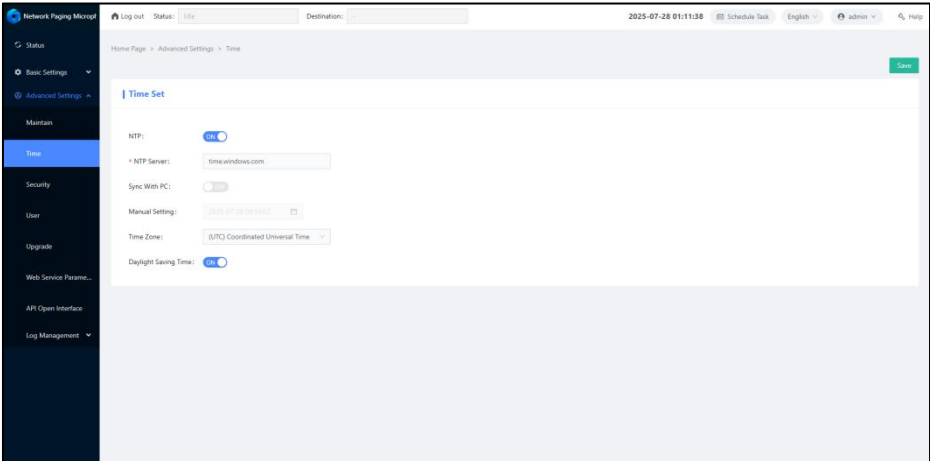
Return to factory: Clicking on this button will restore all parameters of the device to the factory settings ([please use it with caution](#)).

Network packet capture: Clicking on “Start Capture” button will capture network data packet, clicking on “Stop Capture” button will stop capturing and download network data packet.



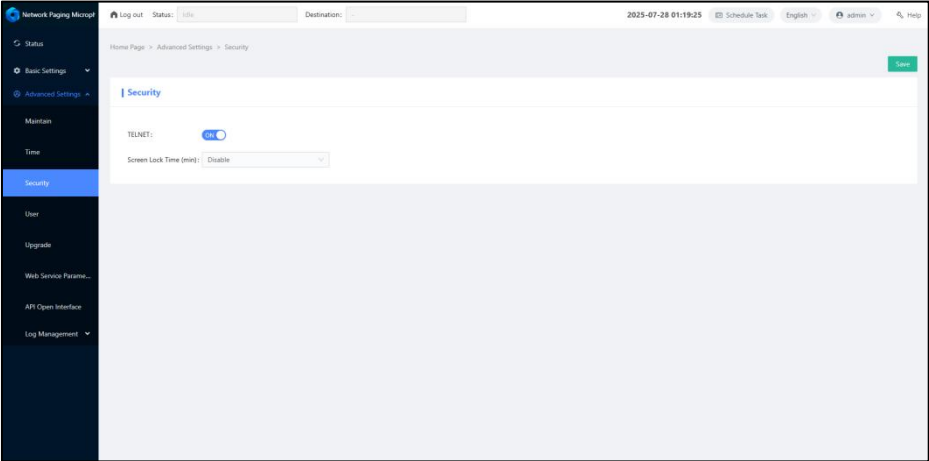
3.2.4.2. Time

Set the device time. Click the [Save] button after setting; the changes will take effect once saved.



Time	
NTP, NTP Server	Set whether to obtain time from NTP server. If it is enabled, fill in the NTP server IP address or domain name.
Sync With PC	Set whether to synchronize time with computer. Note: the actual time will be influenced by the time zone you set.
Manual Setting	Users can manually set the device time.
Time Zone	Select the time zone of the device.
Daylight Saving Time	Set whether to enable daylight saving time.

3.2.4.3. Security



Security	
TELNET	Set whether to enable TELNET remote login terminal function.
Screen Lock Time(min)	Set whether to enable screen auto lock function. If it is enabled, set the screen auto lock time.
6-digit Password	If the screen auto lock function is enabled, set the screen unlock password. Only support 6 digitals.

3.2.4.4. User

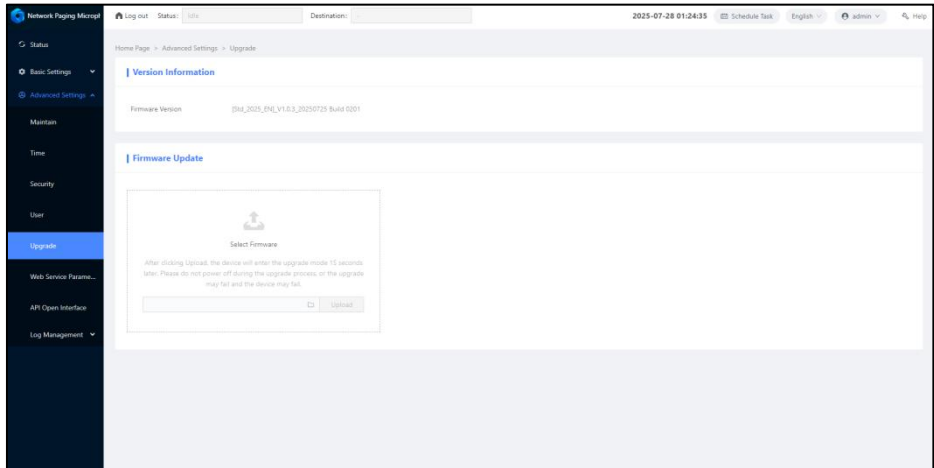
You can change the password for logging into the web page. After saving the password change, restart the web page to take effect. (Advised to change passwords periodically to ensure security)

The screenshot displays the 'User' settings page within the 'Network Paging Microphone' web application. The interface features a dark blue sidebar on the left with navigation options: Status, Basic Settings, Advanced Settings, Maintain, Time, Security, User (highlighted), Upgrade, Web Service Paramet..., API Open Interface, and Log Management. The main content area has a light gray header with a breadcrumb trail: Home Page > Advanced Settings > User. Below the header, the 'User' section contains four input fields: 'Current User Name' (with a dropdown arrow), 'Current Password', 'New Password', and 'Confirm Password'. Each password field has a small eye icon for toggling visibility. A green 'Save' button is located in the top right corner of the main content area. The top of the page includes a status bar with 'Log out', 'Status', 'User', 'Destination', the date and time '2025-07-28 01:21:53', 'Schedule Task', 'English', 'admin', and a 'Help' link.

3.2.4.5. Upgrade

On the upgrade page, click on " " button, select the firmware upgrade file provided by the manufacturer, and click on "Upload" button to start the upgrade.

Note: Please do not power off during the upgrade process, otherwise it may lead to upgrade failure and device malfunction. The upgrade process is about 120s, and the device and web page will restart automatically after the upgrade is completed. (Do not upgrade the firmware unless you have special needs)



3.2.4.6. Web Service Parameter

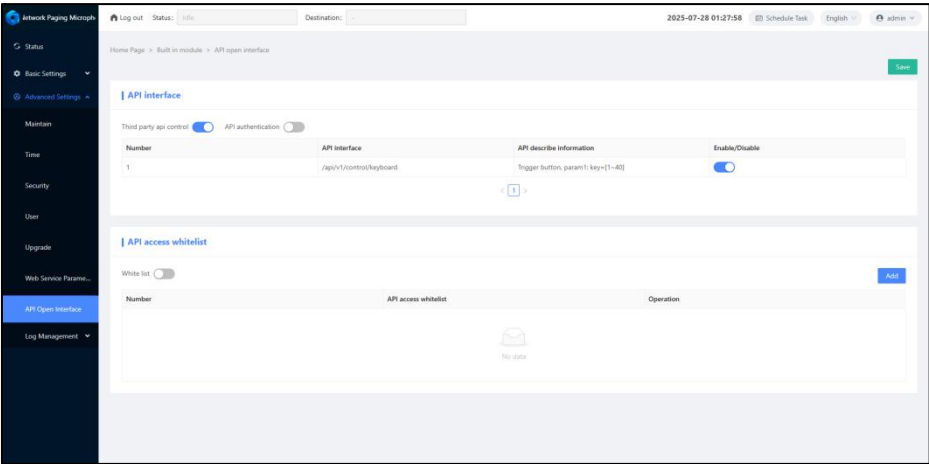
Used to set the parameters related to the basic settings and security settings of the WBE service of the device. You can modify the access ports, methods, maximum number of connections, Token expiration time, whether to allow multiple logins, etc. according to your needs.

The screenshot shows the 'Web Service Parameters' configuration page in the Network Paging Microphone interface. The page has a dark blue sidebar on the left with navigation options: Status, Basic Settings, Advanced Settings, Maintain, Time, Security, User, Upgrade, Web Service Parameters (highlighted), API Open Interface, and Log Management. The main content area is light gray and contains the 'WEB service parameters' section. At the top of this section is a green 'Save' button. Below the title, there are eight configuration fields arranged in two rows. The first row includes 'HTTP listening port' (80), 'HTTPS listening port' (443), 'Access mode' (HTTP), and 'HTTP automatic conversion HTTPS' (No). The second row includes 'Maximum number of socket connections' (80), 'Token effective time (unit: seconds)' (600), 'Prohibit multi-point login' (Yes), and 'Number of login failed attempts' (5).

WEB service parameters			
HTTP listening port	HTTPS listening port	Access mode	HTTP automatic conversion HTTPS
80	443	HTTP	No
Maximum number of socket connections	Token effective time (unit: seconds)	Prohibit multi-point login	Number of login failed attempts
80	600	Yes	5

3.2.4.7. API open Interface

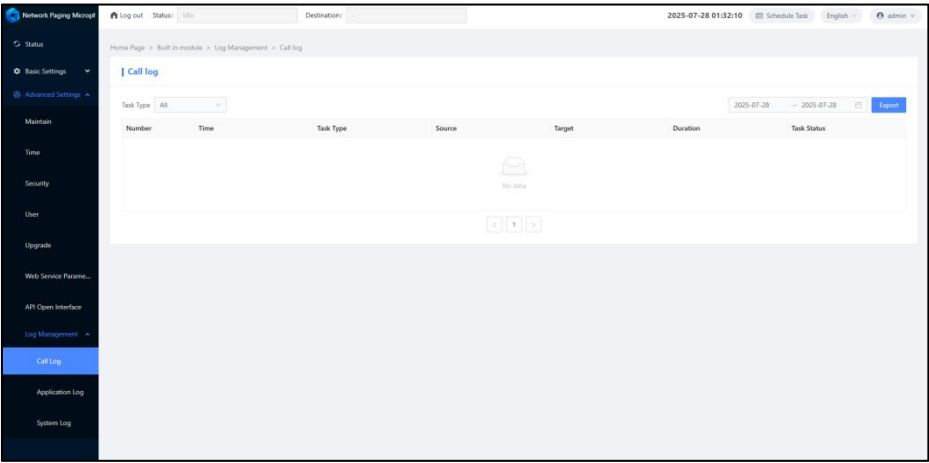
Used to set the device whether to open the API request, whether to require API request authentication, allow API access to the whitelist, etc.



3.2.4.8. Log Management

3.2.4.8.1. Call Log

The terminal will record all the intercom and broadcast task records, including the records of task initiation and task reception.



3.2.4.8.2. Application Log

Used to record all operation records of terminal equipment, including WEB operations, operations on terminal equipment (registration, keystrokes, sending commands, etc.)

Network Paging Micropt

Status

Basic Settings

Advanced Settings

Maintain

Time

Security

User

Upgrade

Web Service Param...

API Open Interface

Log Management

Call Log

Application Log

System Log

Log out Status: idle Destination: 2025-07-28 01:32:53 Schedule Task English admin

Home Page > Built-in module > Log Management > Application log

Application log

Log type: All Event type: All 2025-07-28 -- 2025-07-28 Export

Number	Time	Log type	Event type	Describe information
1	2025-07-28 01:32:45	WEB	User login	admin
2	2025-07-28 01:32:25	WEB	User login	admin
3	2025-07-28 01:32:03	WEB	User login	admin
4	2025-07-28 01:29:04	WEB	User login	admin
5	2025-07-28 01:29:01	WEB	User login	admin
6	2025-07-28 01:28:05	WEB	User login	admin
7	2025-07-28 01:27:51	WEB	User login	admin
8	2025-07-28 01:27:13	WEB	User login	admin
9	2025-07-28 01:27:05	WEB	User login	admin
10	2025-07-28 01:25:46	WEB	User login	admin

< 1 2 3 4 >

Go to Page

3.2.4.8.3. System Log

Network paging microphone can automatically record the operation process and generate logs, and support users to download system logs.

Network Paging Micropt

Status

Basic Settings

Advanced Settings

Maintain

Time

Security

User

Upgrade

Web Service Param...

API Open Interface

Log Management

Call Log

Application Log

System Log

Log out Status: idle Destination: 2025-07-28 01:34:05 Schedule Task English admin

Home Page > Built-in module > Log Management > System log

System Log

Export

Number	File Name
1	sys_2025-07-28.log
2	sys_2025-07-28.logbak

3.2.5. Scheduler Task Functions

3.2.5.1. About the Schedule Function

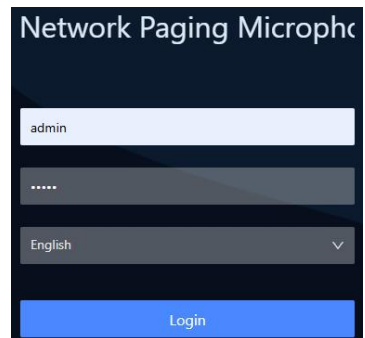
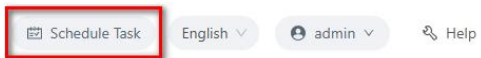
3.2.5.1.1. Overview

The Scheduler enables automatic broadcasts by simply setting the date and time. It also provides controls such as command transmission. With an intuitive and user-friendly interface, even beginners can operate it easily. Additionally, the Scheduler supports various editing methods, including batch editing based on schedules, tasks, or categories, making it adaptable to different usage needs.

3.2.5.2. How to use the Schedule ?

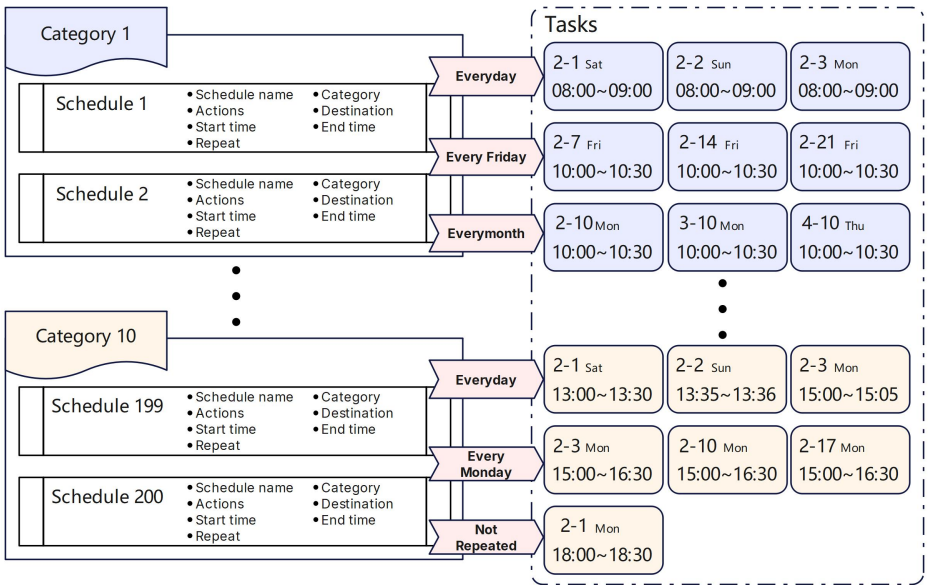
After the device starts normally, access the device's web page through a PC browser and log in.

After login successes, click the  Schedule Task icon in the upper right corner of the web page to enter the scheduled tasks page.



3.2.5.3. Scheduled Task Diagram and Term Definitions

● Conceptual Diagram of Scheduling Functions



● Term Definitions

Schedules

A schedule defines actions to be executed, along with their date, time, and repeat settings. Schedules are created by specifying actions, schedule names, start/end times, and other parameters in the **Edit Schedule** screen. You can enable programs on a daily, weekly, or monthly basis, or set specific dates for repetition. Additionally, specific days can be excluded from regular schedules. You can create up to **200 schedules**.

Tasks

Tasks are automatically generated from schedules and contain all necessary execution details. They are created based on the valid dates set in the schedule's Repeat settings and appear on the Task Display screen in the category's assigned color.

When a new task is created, it is pre-created by holding down the left mouse button on the weekly view screen and scratching the time period. Pre-created data is not saved.

Only valid parameters that have been confirmed are saved and displayed.

When you need to re-edit, you need to pay attention to the following points:

1. Edit Task Indicates to edit the currently selected task, the modification will only take effect for this task and will not affect other tasks.
2. Edit Schedule means to edit all the tasks in the current repeating schedule, and you need to confirm carefully when modifying. Avoid misuse of the batch to modify all the tasks under the plan.

Deleting tasks requires attention to the following points:

When you delete a non-recurring task, the task will be removed from the Sunday View interface and the schedule list.

3. When deleting a recurring task, you need to confirm whether you want to delete only the currently selected task or all the tasks in the plan. Avoid misuse of the batch to modify all the tasks under the plan.

Categories

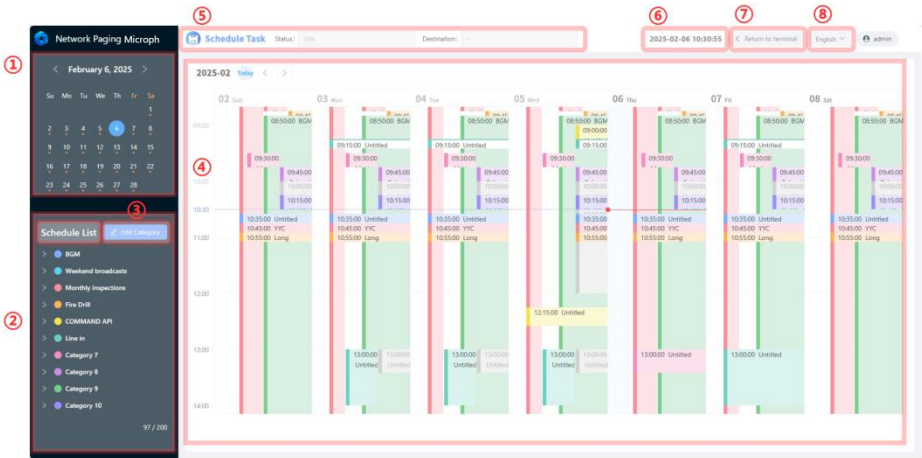
Categories help organize schedules efficiently. The Scheduler provides 10 customizable categories, each of which can be assigned a name and color on the **Edit Category** screen.

You can also batch-edit repeat settings for all schedules in a category using the **Edit Category Repeat** screen.

Categories can be used in various ways, such as:

- **Grouping schedules by day** (e.g., weekday or holiday schedules).
- **Grouping schedules with the same repeat patterns** (e.g., turning contact output ON/OFF, starting or ending commands).
- **Grouping schedules by sound source or action** (e.g., chime, background music, command transmission).
- **Grouping schedules by broadcast destination** (e.g., indoor/outdoor areas, elementary/middle/high schools).

3.2.5.4. Scheduler Interface



	Item	Contents
①	Calendar	Clicking a date switches the Task screen to the corresponding weekly view. A circled date (●) indicates a scheduled task that will be automatically triggered. The monthly view can be toggled using the [<] [>] buttons in the top-left corner.
②	Schedule List	Displays all registered schedules, categorized accordingly. Clicking a category expands it to reveal its assigned schedules. Schedules are listed in chronological order. The total number of schedules appears at the bottom. Active schedules appear in white, while disabled schedules are shown in gray. No tasks can be initiated from disabled schedules. Clicking a schedule opens its Schedule Details screen.
③	Edit Category	Opens the Edit Category screen to set category names and colors. Batch-editing is available for repeat settings of all schedules in a category.
④	Task Screen	Displays all scheduled tasks for each date, color-coded by category. Use the [Today], [<], and [>] buttons to switch the weekly view. Click and drag an empty area opens the Edit Schedule screen

		to create a new task. Clicking a task opens the Task Details screen for confirmation, editing, or deletion. Gray-colored tasks indicate inactive schedules (e.g., completed or disabled). Tip: The Scheduled Tasks view supports zooming: 1. Place the mouse in the weekly calendar view. 2. Hold the Ctrl key and scroll the mouse wheel. 3. Scroll up to zoom in, with a maximum magnification of 500%. 4. Scroll down to zoom out, with a minimum scale of 30%. 5. Zoom levels are not saved and will reset after refreshing the page.
⑤	Status/Destination	Shows the device's operating status. During broadcasts, the "Status" area displays the current sound source, while the "Destination" area lists all broadcast destinations.
⑥	Current System Date and Time	Displays the device's current date and time.
⑦	Return to Terminal	Click on the button will return to the terminal setting interface to set the terminal parameters.
⑧	Language	Users switch languages according to their own language environment.

In the scheduled task view interface, hold down mouse button and drag up or down over any blank area to select a time range and create a new scheduled task.

Schedule Settings screen

The screenshot shows the 'Schedule Settings' dialog box. It includes an 'Enable' toggle (1) and a close button. The fields are: 'Schedule Name' (2) with value 'EveryDay BGM', 'Category' (3) with value 'BGM', 'Action' (4) with values 'Pattern' and 'Pattern 7', 'Priority' (5) with value '11', 'Destination' (6) with values 'Multicast' and 'Multicast 1', 'Start' (7) with value '2023-11-02 04:25:00', 'End' (8) with value '04:50:00' and a clock icon, 'Repeat' (9) with a checked checkbox and an 'Edit' button, and a 'Confirm' button (10).

	Item	Contents
①	Enable/Disabled	Enables or disables individual schedules. ● Enable: The schedule is enabled. The task will be created when the schedule is saved. ● Disabled: The schedule is disabled. When saved, the schedule will appear grayed out in the Schedule List, and not be displayed within the Weekly View screen. Default Setting: Enable
②	Schedule Name	The selected task name, which is the same as the schedule name, is displayed.
③	Category	Select the category to which the schedule belongs. Setting Range: Category 1 – 10 Default Setting: Category 1
④	Actions	Define the actions to be executed in the schedule. Available parameters vary based on the selected action: Pattern: Executes pattern broadcasting using the internal sound source. The pattern name registered on the Pattern Registration screen will be displayed. ---Setting Range: Pattern 1 – 20 Command: Executes a predefined command from the

		Command List screen. The command name will be displayed. ---Setting Range: Command Set 0 – 9 Default Setting: Pattern / Pattern 1
⑤	Priority	If Pattern is set as the Action, the priority number of the broadcast source is displayed on the Broadcast Priority screen. - The highest priority is Number 1, and the higher the number, the lower the priority. - If multiple tasks are scheduled for the same time frame, the task with the highest priority will be executed first.
⑥	Destination	Selecting Pattern as the Action enables the Broadcast Destination setting. - The multicast transmission channel group name will be displayed on the Broadcast Destination Setting screen. Setting Range: Multicast 1 – 20 Default Setting: Multicast 1
⑦	Start Time	Set the start date and time for the schedule. - Schedules with only a start time set are triggered by the edge trigger*. - If Pattern is selected as the Action, the broadcast is executed only once. - If a higher-priority broadcast is initiated during this time, the pattern broadcast will not resume after the interruption. - If Command is selected, only the start time can be set. Edge Trigger*: Executes an action once at the specified start time.
⑧	End Time	Set the end time for the schedule. - The start-to-end duration must be less than 24 hours. - If the end time precedes the start time, the broadcast will continue until the registered end time on the

		following day. - Schedules with both start and end times are triggered by the level trigger*. Action Type Pattern: - The broadcast is repeated continuously from the preset start time to end time. - If a higher-priority broadcast occurs during this period, the pattern broadcast will resume after it finishes.
⑨	Repeat	Enabling this setting allows the schedule to be repeated based on specified conditions. - Checking this box enables the Edit button, which opens the Repeat Settings screen. For one-time schedules, make sure this box is unchecked. Default Setting: Unchecked (<i>Repeat setting disabled</i>) Level Trigger*: Executes an action once at the specified start time.
⑩	Confirm	Saves the edited schedule and closes the Edit Schedule screen.

The setting items for each action are as follows:

Action	Pattern	Command
Option	Pattern 1~20	Command 0~9
Priority	Displays the priority number of the current task. A lower number indicates a higher-priority.	×
Broadcast Destination	Multicast 1 ~ 20	×
Start Time	☐	☒
End Time	☒	×
Repeat Setting	☐	☒

3.2.5.6. About the Repeat Setting Screen

You can configure repeat settings in either "Edit Category" or "Edit Schedule".

[Editing from Category]

Schedule List

- > BGM
- > Weekend broadcasts
- > Monthly inspections
- > Fire Drill
- > COMMAND API
- > Line in
- > Category 7
- > Category 8
- > Category 9
- > Category 10

99 / 200

Category Settings

Color	Category Name	Repeat Settings
	BGM	Edit
	Weekend broadcasts	Edit
	Monthly inspections	Edit
	Fire Drill	Edit
	COMMAND API	Edit
	Line in	Edit
	Category 7	Edit
	Category 8	Edit
	Category 9	Edit
	Category 10	Edit

Repeat Settings for Multiple Schedules

Repeat Condition: Specified Dates

Valid Dates: 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

Confirm

[Editing from Schedule]

Schedule Task

Name: BGM

Time: 2025-02-03 08:50:00 ~ 08:40:00

Category: Category 9

Action: Pattern (Pattern 7)

Priority: 11 (Valid)

Destination: Multicast 1

Edit Schedule Edit Task Delete

Schedule Settings

Schedule Name: BGM

Category: Category 9

Action: Pattern Pattern 7

Priority: 11

Destination: Multicast Multicast 1

Start: 2025-01-07 08:50:00

End: 08:40:00

Repeat: ☒ Edit

Confirm

Repeat Settings

Repeat Condition: Every Month

Last Date: Specified Dates

Valid Dates: Every Day Every Week Every Month

Confirm

Tips:

When you modify a Category, all Schedules associated with that Category are included.

When modifying a Schedule, only the Tasks under that Schedule are modified.

Repeat Settings for Multiple Schedules

Repeat Condition: Specified Dates

Valid Dates: Today 2025/02 < >

Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

2025/02/07

Confirm

The following four options can be used for Repeat conditions. The default setting is "Specified Date."

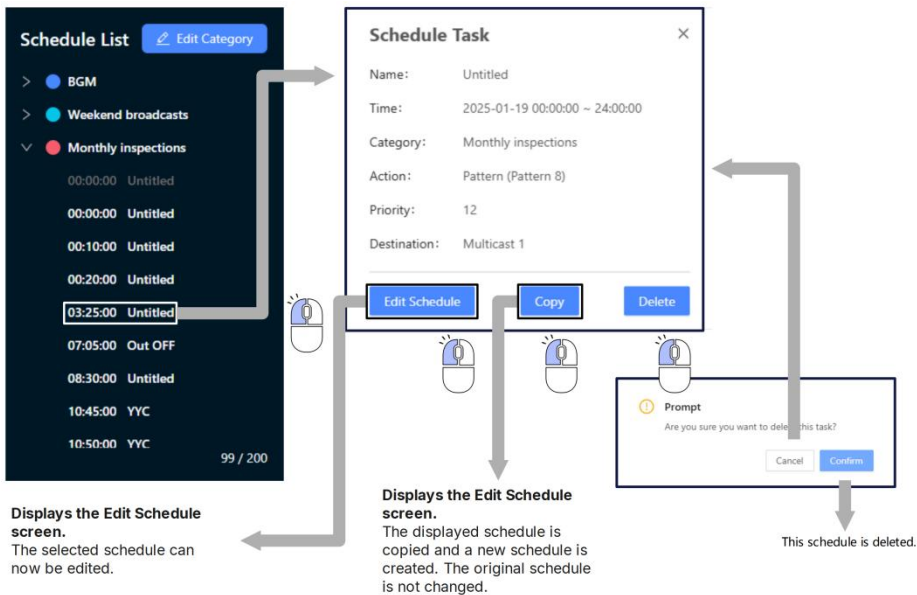
Note:

The valid date setting will reset if repeat conditions are changed and saved.

Item	Contents
Specified Date	Select this option for schedules that repeat on irregular dates. Choose any valid date from the calendar to execute the schedule.
Every Day	Select this option to execute the schedule daily. All calendar days will be valid for scheduling. Additionally, you can click on any valid day to disable it, allowing you to exclude specific days from the schedule.
Every Week	Select this option to schedule the task on specific days of the week. The selected day(s) in the settings will be valid for scheduling (i.e., the task will be enabled on these days once saved). Additionally, any day can be marked as valid or invalid by clicking on it in the calendar.
Every Month	Select this option to execute the schedule on the same date each month. The selected date will be marked as valid (i.e., the task will be enabled on that date once saved). Additionally, you can click on any date to mark it as valid or invalid.

3.2.5.7. Check/Edit/Delete Schedules

Details of all registered schedules can be confirmed on the Schedule list.
Display the Schedule Details screen to edit or delete a schedule.



3.2.5.8. Task Display and Operation

By editing and saving schedules, tasks can be created and shown on the Task screen.
Below are descriptions of task display statuses and executable Action operations:

3.2.5.8.1. Display of an Edge-Triggered Task

An edge-triggered task has only start times set.

Valid Tasks	Invalid Tasks
Tasks to be executed at start time. Displayed in classified category colors. 08:35:00 half-time	Tasks that are not executed. Displayed in gray. 08:32:00 half-time

Broadcasts are initiated based on preset patterns at the start time and are executed **only once**, according to settings like sound source, frequency, interval, and delay time configured on the **Pattern Settings** screen.

- If interrupted by a higher-priority broadcast (e.g., manual or remote API), the current broadcast stops and does **not resume** afterward.

Command

Preset commands are transmitted at the start time.

- If multiple tasks send the same command simultaneously, they are displayed in gray. Even if the commands differ, they will be grayed out if executed concurrently.

3.2.5.8.2. Level-Triggered Task Display

Valid Tasks	Invalid Tasks
Tasks that execute throughout the start-to-end period. Displayed in classified category colors. 08:35:00 half-time	Tasks that are not executed. Displayed in gray. 08:32:00 half-time

Pattern

Pattern broadcasts play continuously from start to end time, following preset configurations (sound source, interval, delay, etc.) from the Pattern Settings screen. If interrupted by a higher-priority broadcast (manual or remote API), the broadcast pauses and resumes when the higher-priority broadcast ends.

Conditions that may cause tasks to be grayed out:

Lower-priority task overridden

If a higher-priority task runs during the entire start-to-end period, the lower-priority task is grayed out.

Same-priority task executed first

If two tasks share the same priority (same sound source), the one initiated first takes precedence, while the later one is grayed out.

Same-priority tasks starting simultaneously

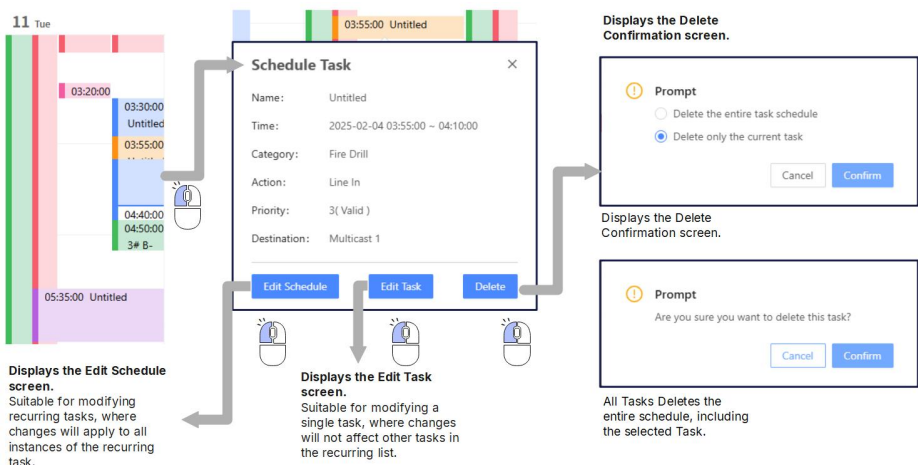
If multiple tasks with the same priority (same sound source) start simultaneously, Tasks with small numbers are grayed out.

Note: Task numbers are automatically assigned according to the order in which the tasks were created and cannot be modified. The earlier the task is created, the smaller the task number.

3.2.5.9. Confirm/Edit/Delete Tasks

Clicking on a task on the Task screen displays the Task Details screen, which allows the details of the task to be confirmed.

Tasks and schedules can also be deleted or edited whenever the Task Details screen is displayed



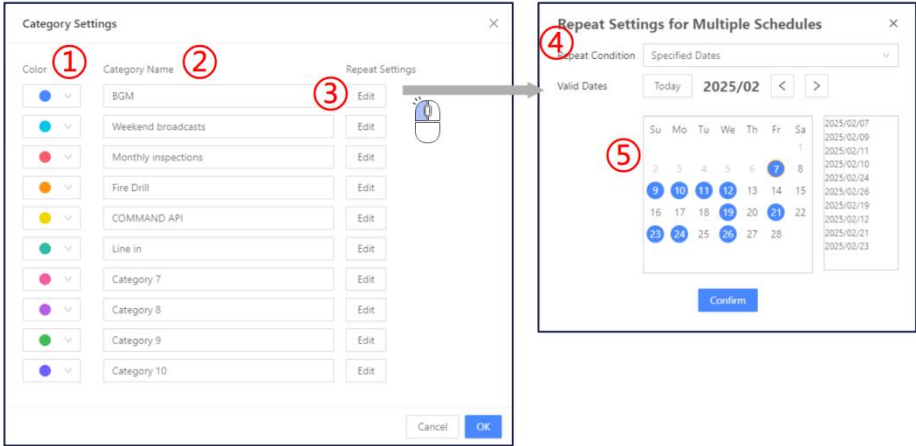
3.2.5.10. Editing the Category

Clicking the Edit Category button opens the Edit Category screen, where you can:

- (1) Change the category display color.
- (2) Rename the category.
- (3) Batch-edit repeat settings for all schedules classified under the category

Tip

Batch editing of repeat settings applies only to schedules that are **enabled (ON)** and have the **Repeat** option checked.



	Item	Contents
①	Category Color	Select the display color for all schedules and tasks within a category. You can choose from 10 different colors , and the same color can be assigned to multiple categories.
②	Category Name	Set the name of the category. The same name can be assigned to multiple categories. The category name appears in the schedule list and on any task using that category. Default Settings: Category 1 – Category 10.
③	Repeat Settings Batch Edit Button	Clicking this button opens the Repeat Settings screen, allowing you to batch-edit the repeat settings for all schedules in a category. Note: Only schedules that are enabled (ON) and have the Repeat option checked can be batch-edited.
④	Repeat Conditions (Repeat Setting)	Batch-edit the Repeat Conditions for all schedules in a category. To keep each schedule's current Repeat Condition , select "Specified Dates." Default Setting: Specified Dates Note: Changing and saving the Repeat Conditions will reset the Valid Dates for all schedules in the category. If you want to keep the Valid Dates unchanged, move those schedules to another category before applying batch edits.

		Specific Date: Allows any date to be set as a Valid Date for all schedules. Select one or more dates in the calendar. Every Day: Sets all schedules to repeat daily. Every day in the calendar becomes a Valid Date. Dates can also be manually marked Valid or Invalid. Every Week: Sets all schedules to repeat on specific days each week. The selected days in the Week Settings become Valid Dates. Dates can also be manually marked Valid or Invalid. Every Month: Sets all schedules to repeat on specific dates each month. The selected dates in the Date Settings become Valid Dates. Dates can also be manually marked Valid or Invalid.
⑤	Valid Date	The calendar displays the status of all schedules in a category using the following symbols: ● : Days when tasks are enabled by all schedules in the Unmarked : Days when no tasks are enabled by any schedule in the category (complete match). Click on a date in the calendar to batch-set Valid and Invalid Dates for all schedules in the category. Use the [Today] or [<] [>] buttons to navigate through the months.

4. Troubleshooting

4.1.1. Common Issues and Solutions

Issue	Possible Causes	Solutions
Unable to log in via the Web Interface	- The device and PC are not on the same network segment. - IP address conflict. - Network connection issues or interruption. - Firewall blocking Web access.	- Ensure the device and PC are on the same local network and check if the network connection is stable. - Use tools like ping to test if the device's IP address is reachable. - Verify the device's IP address settings to ensure there is no conflict. - Temporarily disable the firewall or add an exception rule to allow access to the device's Web interface.
Unable to connect to the SIP server	- Incorrect SIP server address or port configuration. - Network connectivity issues preventing communication with the SIP server. - The SIP server is not running or is unreachable. - Firewall blocking the SIP port (default 5060).	- Check the SIP server's IP address and port settings in the device's Web interface to ensure they are correct. - Use ping or telnet to test the connectivity to the SIP server. - Confirm that the SIP server is running and accessible. - Check firewall settings to ensure the SIP port is not blocked.
Poor Audio Output Quality	- Audio codec settings are incorrect. - Unstable network environment. - Output device issues.	- Log in to the web page, go to the "SIP" page, and adjust the "Audio Codec" settings to suit the current network environment. - Check the network environment to ensure a stable connection and avoid network fluctuations. - Check the audio output device (e.g., speaker) to ensure it is functioning correctly and properly connected.
Incorrect Multicast Address Configuration	- Multicast address settings are incorrect. - Multicast address conflict.	- Log in to the web page, go to the "Multicast" page, and check the multicast address settings to ensure they are within the Class D IP address range (239.0.0.0 - 239.255.255.255). - Ensure the multicast address does not conflict with other devices, and each multicast address should be unique.

Issue	Possible Causes	Solutions
System Time Not Synchronized	- Incorrect NTP server settings. - Inaccurate manual time settings.	- Log in to the web page, go to the "Time" page, and check the NTP server settings to ensure the address is correct and accessible. - If manually setting the time, ensure the time is set accurately and synchronize with the PC time if necessary.
Failed to Upload Media Files	- Unsupported file format. - Insufficient storage space. - Network connection issues.	- Ensure the media files are in the supported formats (WAV or MP3). - Check the device's remaining storage space to ensure there is enough space for media files. - Check the network connection to ensure stability during file upload.
Settings Lost After Device Reboot	- Settings not saved. - Storage medium failure.	- Ensure settings are saved by clicking the "Save" button after making changes and wait for the device to confirm the save. - Check the device's storage medium for proper functioning and contact technical support if necessary.
Forgot password	- Press and hold the reset button for about 5 seconds to release the device	- After the device triggers the reset, all parameters are initialized and the device automatically restarts. After the reset, the IP address is 192.168.1.101. WEB User name and password: admin/admin. Turn off the lock screen, etc
Forgot IP address	- Use the IP scanning and configuration tool on the LAN	- After the terminal is detected, you can select and change the IP address based on the terminal model and MAC address. - You can also directly connect the device network port to the computer network port to forcibly configure an IP address for the terminal.

4.1.2. Summary

The above table lists additional faults and their troubleshooting solutions, which can help customers conduct a comprehensive analysis of product issues. If problems persist, customers are advised to contact SPON Communications' technical support for further assistance. We hope this information is helpful to you!



Innovate for Security



www.sponcomm.com

Tel: +86 731 8557 0190

Mobile: +86 138 7314 3517

Email: inquiry@sponcomm.com

Address: No.70, Nantang Road, High-tech Zone, Changsha, China.