



IP NETWORK PUBLIC ADDRESS SYSTEM

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Summarize

Safety Precaution

Please comply with warnings and relevant safety tips.

After reading this manual, please put this manual in accessible place for future reference.

Warnings

This sign means there are potential safety hazards when opening the device, misoperation may result in severe injury or death.

Δ

This sign is used to remind the user that the attached files of this device contains important operation and maintenance instructions.

Installation & Setting

(1) The installation environment of the equipment should have good ventilation.

Do not install the equipment in the environment which is wet, dusty, exposed to direct sunlight, close to electric heater or smoke, otherwise it might cause fire or electric shock.

(2) Do not expose the machine to rain or other environment that may be contaminated by water or other liquids, otherwise it might cause fire or electric shock.

(3) Do not block the vent

If the radiator is blocked, it will cause heat to accumulate inside the machine and may cause a fire.

(4) Do not use power supply with unspecified voltage.

Must use the voltage identified by the device to connect the machine.

Using voltage higher than the the identified voltage might cause fire or electric shock.

(5) Do not scratch the power cord.

Do not scratch the power cord, and do not cut & twist the power cord.

Meanwhile, keep the power cord away from heating element, do not place any heavy objects on the power cord (including the machine itself), otherwise it might cause fire or electric shock.

(6) Providing the power supply with independent, reliable ground wire for the device.

In the process of engineering construction, the ground wire of the equipment must be connected to the earth, otherwise it might cause malfunction or damage of the equipment.

(7) Equipment must be installed by professional technical staff.

During Using

(1) In case of abnormal occurrence:

In the process of using, please cut off the power immediately once finding any abnormal occurrence as below and get in contact with the distributor.

If continuing using, it might cause fire or electric shock.

- The machine is smoking or emitting strange smell.
- The interior of the machine is invaded by water or foreign matters.
- The machine has fallen down, or the shell of the machine is damaged.
- The power cord is damaged (wire core exposure or broken wire, etc.)
- Malfunction (cannot be connected to network or no sound, etc.)

(2) Keep any foreign bodies out of the machine.

Do not let metal objects, inflammable objects or other foreign bodies get in the vent or inside the machine, otherwise it might



cause fire or electric shock.

(3) Do not put liquid containers or small metal objects above the machine.

If accidentally knock over the containers and let the liquid get inside the machine, it might cause fire or electric shock.

(4) Do not open the machine or transform the machine.

The machine contains high-voltage parts, once the outer cover is opened or transforming the machine, it might cause fire or electric shock.

All matters related to maintenance and machine interior modification shall be handled by professional personnel.

(5) Matters needing attention during maintenance or when the machine is not in use for a long time:

During maintenance, when the machine is not in use for 10 days or above, to ensure safety, please cut off the power and pull out the power plug.

Not complying with relevant provisions might cause fire or electric shock.

Production Introduction

The IP network audio terminal adopts high-performance power amplifier, equipped with power input, analog audio input/output, network input, alarm input/output and other interfaces. It has the characteristics of high efficiency, high performance, low distortion, etc., and the sound quality is more perfect.



- High-speed industrial-grade dual-core (ARM+DSP) chips, starting time ≤ 1 second.
- Built-in network audio decode module, it with independent WAV,MP3 double decoding chip.
- Supportive of timing ringing, real-time acquisition and broadcasting cooperated with server, supports remote digital volume adjustment;
- With one audio input and one audio output;
- With one alarm input and one alarm output
- Constant pressure 100V output
- With a standard RJ45 interface, supportive of crossing network segment and router, accessible to the system if the Ethernet is available;

Interface instruction

Side



(1)AUDIO IN: Audio input interface, make the external sound source (for example: computer, DVD and so on) connect to this port.





②AUDIO OUT: Audio output interface. This port output the restored audio signal, it can be the sound sources access to audio pre-amplifier, audio amplifier, sound console devices and so on.

3Lan: RJ45 network interface, which connects to Ethernet via network cable

④power input port: AC100-240Vpower input port

(5)100V constant voltage power amplifier output port, can be connected to constant pressure speakers, fixed pressure horn and other amplifiers.

6 Alarm input/ output interface

A-G alarm input interface, when two pins be short circuited, audio terminal will execute the special operations automatically(eg: generate alarm signal send to server or raise the alarm at local terminal). Alarm button, alarm signal generator and other devices can generate the alarm signal all can access to the port.

O-1 alarm output interface, alarm output is triggered by software server, it also can trigger through alarm input or shutoff signal. Play the alarm function (eg: open the electronic lock door) alarm output port maximum loaded current is 1A, the highest voltage is AC100V(or DC24V).

⑦Power switch: press "0" close the power, press "-" open the power.

Introduction

Packing List

IP network audio terminal contains the following accessories. Please check the accessories before installation. If any accessories are missing, please contact your distributor

(1) IP network audio terminal 1pcs



(2) Wiring Terminal (3.5-4P) 1pcs



(3) Round head Phillips screw (M4*25) 4pcs



(4) Plastic expansion sleeve (F7) 4pcs



(5) foot pad (Φ 12*3 3M) 4pcs





(6) Certification 1pcs



(7) Installation Instruction 1pcs



Wiring



Basic Network Settings

After connecting the terminal, turn on the power and change the network parameters of the terminal according to the on-site use environment

Terminal Equipment Scanning Tool

(1) Run "IP Audio Terminal Configuration Tool", and after startup, enter the default password "123456".

🕙 DevConfigTool. exe >
过 DevConfigTool-Help. mht
🃴 DeviceConfig. ini

(2)Choose [Mandatory Configuration] from the menu on the right side, then fill in correct parameters in the [Terminal Parameters], click "send parameters" button to finish the IP parameters settings.



	Note: All terminals support, used with caution. Warning: 1.Make use of interconnection net cable; 2.When using net switch, only connect one terminal;
Г	Terminal parameter
	Terminal ID: 1
	Server IP: 192 . 168 . 0 . 192
	Terminal IP: 192 . 168 . 0 . 101
	Gateway IP: 192 . 168 . 0 . 1
	Subnet Mask: 255 . 255 . 255 . 0
	Terminal Port: 2046 (Default 2046) (special modify)
	Server Port: 2048 (Default 2048) (special modify)
	Send parameters
	▼ Safety checks (Check more than one terminal)

Note:

1) If using Windows 7 system, please use the administrator mode to run the program, and close the firewall or other related software;

2) Terminal configuration tool can only configure one terminal at one time, please make sure that a computer has only connected to one terminal when using this method to configure the network parameters of the terminal.

3) If you need [IP Audio Terminal Configuration Tool] software, please contact our company's after-sales customer service.

Through Web Interface

Enter into the Web interface of IP network digital power amplifier, then change the network parameters of the terminal according to the operational environment, after the setting, click "Save" button.

For specific operation steps, you can take the network parameters settings in the terminal parameters customization for reference.

Terminal Parameters Customization

Web Interface Login

(1) Enter the IP address (Factory Default IP is 192.168.1.101) of the IP network digital amplifier in the browser address bar, then press the Enter key.

🗿 Microsoft Internet Explorer
File Edit View Favorites Tools Help
🕝 Back 🔹 🕥 🕤 📓 🚮 🔎 Search 🤺 Favorites 🔇 Media 🚱 😒 🔜
Address 🕘 192. 168. 1. 101

(2) Enter the user name and password (Defaults are both "admin") in the login window of the Web interface.



Windows Security	x	
The server 192.168.1.101 at requires a username and password.		
Warning: This s sent in an insec connection).	server is requesting that your username and password be ure manner (basic authentication without a secure	
	admin ••••• Ø Remember my credentials	
	OK Cancel	

(3) Press "Login", then enter the Web interface of the IP network digital amplifier. (Remark: Please clear caches then set up again if former saved parameters don't take effect in the web page.)

Running Status		
Basic Setup	Running Status	
Network Parameters		
Device Parameters		
Serve Parameters	MAC Address:	F4-15-35-EA-00-08
Broadcast Parameters	IP Address:	192.168.1.8 (Stastic IP)
Advanced Setup	Subnet Mask:	255. 255. 255. 0
Web Management	Default Gateway:	192. 168. 1. 1
Maintenance Of Device	DNS Server	192 168 1 1 192 168 1 1
System Tools	DAD DEIVEL.	152. 100. 1. 1, 152. 100. 1. 1
	Current Time:	2021-04-26 14:44:11
	Run Time:	00(days) 00:00:15
		Refresh

Network Parameters

Set the network parameters, please modify the parameters according to the live environment, save setting, and restart the device to take effect.

Running Status			
Basic Setup	Network Parameter		
Network Parameters			
Device Parameters		a	
Serve Parameters	Connect Type:	Stastic IP	~
Broadcast Parameters			
Advanced Setup	MAC Address:	F4-15-35-EA-00-08	
Web Management			
Maintenance Of Device	TD 411	100 100 1 0	
System Tools	IP Address:	192. 168. 1. 8	
	Subnet Mask:	255. 255. 255. 0	
	Default Gateway:	192. 168. 1. 1	
	Primary DNS Server:	192. 168. 1. 1	
	Secondary DNS Server:	192.168.1.1	
		Save	

Meanings of the parameters:





	Static IP: static IP is used by default, user-defined IP address and other	
Connection Type	information.	
	Dynamic IP: IP address is dynamically allocated through DHCP.	
ID addraga	The IP address of the terminal, factory default IP is 192.168.1.101,	
IF address	it cannot be the same as other terminals.	
Subnet Mask	Subnet Mask of the device.	
Default Gateway	The gateway of the network of the device.	
Primary DNS	The ID of the minerary DNC of the network of the device	
server	The IP of the primary DNS of the network of the device.	
Secondary DNS	ID of the accordant DNS of the network of the device	
server	IP of the secondary DNS of the network of the device.	

Device Parameters

Set the terminal Device parameters and save, then restart the device to take effect.

Running Status		
Basic Setup	Device Parameters	
Network Parameters		
Device Parameters		
Serve Parameters	Device ID:	8
Broadcast Parameters	Receive Port:	2046
Advanced Setup	Alarm Output:	Enable 🗸
Web Management		
Maintenance Of Device		
System Tools		Save
		baro

Meanings of the parameters:

Device ID	The unique number of the identified device, which cannot be repeated with the	
	terminal or other host, factory default is 1.	
Receive port	The port of the device.	
	Note: the port should not be modified except under special circumstances.	
Alarm output	Open: alarm input can linkage alarm output;	
	Forbid: alarm input cannot linkage alarm output;	

Service Parameters

Set server platform parameters for terminal login.Save after setting, restart the device to take effect.



Running Status		
Basic Setup	Service Parameters	
Network Parameters		
Device Parameters		
Serve Parameters	Primary Server:	192. 168. 1. 13 : 2048
Broadcast Parameters	Secondary Server:	192.168.1.14 : 2048
Advanced Setup	FTP Name:	admin
Web Management	PTP Pessword	admin
Maintenance Of Device		
System Tools	Login Request Gaptime:	3s 🗸
		Save

Meanings of the parameters:

Primary Server	The server address where the device is logged in,
	the factory default setting is 192.168.1.13.
Secondary Server	When the primary server fails to connect, the secondary server can be logged
	in. After the primary server can be connected, the terminal can log in again to
	the primary server, the factory default setting is 192.168.1.14.
FTP User Name	The user name used for the login of FTP, factory default is admin.
FTP Password	The password used for the login of FTP, factory default is admin.
Login Request	When the device is offline, the interval time of applying to the login to the
Gaptime	server.

Broadcast Parameters

The encoding format and sampling rate of audio parameters are controlled by the server without setting.

The broadcast volume in the broadcast parameter is the volume when the terminal is offline broadcast. The broadcast volume is controlled by the server when the terminal is online.

Running Status		
Basic Setup	Broadcast Parameter	
Network Parameters		
Device Parameters		
Serve Parameters	Code Format:	PCM
Broadcast Parameters	Sampling Rate:	22050
Advanced Setup	Broadcast volume:	7 🗸
Web Management		
Maintenance Of Device		Save
System Tools		
and the second		



Password Settings

You can modify the account and password through web management parameters .After setting, please restart the web

page

Running Status		
Basic Setup	Modify WEB Management Pas	sword
Network Parameters		
Device Parameters		
Serve Parameters	The Original User Nname:	admin
Broadcast Parameters	The Original Password:	
Advanced Setup	New User Name :	
Web Management	New Password	
- Modify Password		
- Modify Port	Confirm New Password:	
- Modify language		
Maintenance Of Device		
System Tools		Save Empty

Modify Port

For the port to access this WEB page, if it is not port 80, please add the corresponding port after the address when accessing this WEB page.(example: set the port to 8888, then the access address is: http://XXX.XXX.XXX.8888).

Running Status	
Basic Setup	Modify Web Management Port
Network Parameters	
Device Parameters	
Serve Parameters	Web Management Port: 80
Broadcast Parameters	
Advanced Setup	
Web Management	Save
 Modify Password 	
- Modify Port	
 Modify language 	
Maintenance Of Device	
System Tools	

Language Settings

Users can change it between Chinese and English through web settings .



Running Status — Basic Setup Network Parameters Device Parameters Serve Parameters Broadcast Parameters Advanced Setup Web Management - Modify Password - Modify Ianguage Maintenance Of Device System Tools	
 Basic Setup Network Parameters Device Parameters Serve Parameters Broadcast Parameters Advanced Setup Web Management Modify Password Modify Password Modify language Maintenance Of Device System Tools 	Running Status
Network Parameters Device Parameters Serve Parameters Broadcast Parameters - Advanced Setup Web Management - Modify Password - Modify Port - Modify Ianguage Maintenance Of Device System Tools	Basic Setup
Device Parameters Serve Parameters Broadcast Parameters - Advanced Setup Web Management - Modify Password - Modify Password - Modify Ianguage - Maintenance Of Device System Tools	Network Parameters
Serve Parameters Broadcast Parameters Advanced Setup Web Management - Modify Password - Modify Port - Modify Ianguage Maintenance Of Device System Tools	Device Parameters
Broadcast Parameters Advanced Setup Web Management Modify Password Modify Port Modify language Maintenance Of Device System Tools	Serve Parameters
Advanced Setup Web Management Save Modify Password Modify Port Modify language Maintenance Of Device System Tools	Broadcast Parameters
Web Management Save - Modify Password - - Modify Port - - Modify language - - Maintenance Of Device System Tools	Advanced Setup
 Modify Password Modify Port Modify language Maintenance Of Device System Tools 	Web Management
 Modify Port Modify language Maintenance Of Device System Tools 	 Modify Password
- Modify language Maintenance Of Device System Tools	- Modify Port
Maintenance Of Device System Tools	- Modify language
System Tools	Maintenance Of Device
	System Tools

Reboot Device

Click "reboot the device" button can manually reboot the device.

Running Status	
Basic Setup	Restart Device
Network Parameters	Click the restart button, will enable restarting the device.
Device Parameters	
Serve Parameters	
Broadcast Parameters	Restart
Advanced Setup	
Web Management	
Maintenance Of Device	
System Tools	
- Restart Device	
 Reset Parameters 	
- Upgrade Firmware	
- System log	

Restore Factory Default Settings

Restore factory setting: all parameters were restored to factory setting.

5	
Running Status	
Basic Setup	Reset Parameters
Network Parameters	Factory Settings All device set back to factory default state
Device Parameters	
Serve Parameters	
Broadcast Parameters	
Advanced Setup	
Web Management	
Maintenance Of Device	
System Tools	
 Restart Device 	
- Reset Parameters	
– Upgrade Firmware	
- System log	



Firmware Upgrade (Note: Do not upgrade the firmware unless there's a special need)

(1) Click the "Press" button, the device will enter into upgrade mode in 10s. (If the web shows an exception after entering upgrade mode, please clear the cache and login the web page again)

Running Status	Upgrade Firmward Firmwa BI	e re Version: OS Version:	Firmware_[Std_2021]_V1.0.0_20210420 Bootload_[Std_2021]_V1.0_20210310
Basic Setup Network Parameters Device Parameters Serve Parameters Broadcast Parameters House Management Maintenance Of Device System Tools Restart Device	Upgrade Firmward Firmwa BI	e re Version: OS Version:	Firmware_[Std_2021]_V1.0.0_20210420 Bootload_[Std_2021]_V1.0_20210310
Network Parameters Device Parameters Serve Parameters Broadcast Parameters Advanced Setup Web Management Maintenance Of Device System Tools Restart Device	Firmwa BI	re Version: OS Version:	Firmware_[Std_2021]_V1.0.0_20210420 Bootload_[Std_2021]_V1.0_20210310
Device Parameters Serve Parameters Broadcast Parameters Advanced Setup Web Management Maintenance Of Device System Tools - Restart Device	Firmwa BI	re Version: OS Version:	Firmware_[Std_2021]_V1.0.0_20210420 Bootload_[Std_2021]_V1.0_20210310
Serve Parameters Broadcast Parameters Advanced Setup Web Management Maintenance Of Device System Tools Restart Device	Firmwa BI	re Version: OS Version:	Firmware_[Std_2021]_V1.0.0_20210420 Bootload_[Std_2021]_V1.0_20210310
Broadcast Parameters — Advanced Setup Web Management — Maintenance Of Device System Tools – Restart Device	BI	OS Version:	Bootload_[Std_2021]_V1.0_20210310
Advanced Setup Web Management Maintenance Of Device System Tools Restart Device			
Web Management Maintenance Of Device System Tools Restart Device			
Maintenance Of Device System Tools Restart Device			
System Tools			Into Firmware Upgrade
- Restart Device			
Rootart Borroo			
- Reset Parameters			
- Upgrade Firmware			
– System log			

(2) After entering into the firmware upgrade mode, select the firmware upgrade file provided by the manufacturer, then click the "upgrade" button to start upgrade. (Do not power off during the upgrade process, otherwise it may cause the upgrade failure and equipment failure)

Upgrade Firmware		
	Update File:	Select
	BIOS Version:	Bootload_[Std]_V1.0_20210329
		Do Firmware
	Upgrade Firmware	Upgrade Firmware Update File: BIOS Version:

Exit upgrade mode: If click the "upgrade" button by mistake, you can click the "reboot the device" button in the upgrade mode, then reboot the device to get back to normal mode.

Running Status	
Basic Setup	Restart Device
Network Parameters	Click the restart button, will enable restarting the device.
Maintenance Of Device	
System Tools	
- Restart Device	Restart
- Upgrade Firmware	

System Log

IP network terminal can record the operating condition and form log, the user can browser the system log in web page.



Running Status				
Basic Setup	System Log			
Network Parameters				
Device Parameters				
Serve Parameters	Index	The Log Content		
Broadcast Parameters	1	04-21 16:58:22	Reboot: code(1)	
Advanced Setup	2	01-01 12:00:03	Logining: 192.168.1.13 : 2048	
Web Management	3	01-01 12:00:12	Logining: 192.168.1.13 : 2048	
System Tools	4	04-21 17:02:08	Reboot: code(4)	
- Restart Device	5	01-01 12:00:03	Logining: 192.168.1.13 : 2048	
 Reset Parameters 	6	04-21 17:02:30	Web config changed: code(0)	
- Upgrade Firmware	7	04-21 17:02:30	Reboot: $code(4)$	
- System log	8	01-01 12:00:03	Logining: 192.168.1.13 : 2048	
	9	04-21 17:02:02	Web config changed: code(0)	
	10	04-21 17:02:02	Reboot: code(4)	
	1 <u>2 3 4 5 6 7</u>	<u>8 9 10 11 12 13</u>		
		Refr	esh Clear All The Log	

Other Functions

In addition to the above functions, the network audio terminal can also cooperate with the server to realize functions such as ringing/receiving programs/receiving broadcasts/receiving alarms, etc. For specific operations, please refer to the service software operation guide.

Troubleshooting

Terminal unable to log in to server?

1. Check whether the service software and the main control machine are opened normally.Before opening the service software, it is necessary to close all the firewalls (including the firewalls of the system and other antivirus software);

2. Check whether the network connection is normal, check the network cable and switch connected with the terminal to see whether there is normal operation, damage, bad contact and other phenomena;

3. Check the IP setting of the terminal.Check whether the terminal's ID number, service IP, local IP, gateway IP and other parameters are set correctly;

Internet Broadcast no sound

- 1. Check whether the terminal is online;
- 2. Check whether the MIC3 is plugged into the microphone, MIC3 and network broadcasting are mutually exclusive;

The power can't turn on, LCD screen without display

- 1. Checking the power plug is loosen or not and the power line is good or not.
- 2. Checking the power socket insurance is burnout or not.

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