

# INSTALLATION AND OPERATION MANUAL

AYZ-IP-A-60W/AYZ-IP-A-120W/AYZ-IP-A-240W/AYZ-IP-A-350W/AYZ-IP-A-500W  
**IP NETWORK AMPLIFIER**



Caution: Please read this manual carefully before operating  
Damage caused by misuse is not covered by the warranty



# **CONTENT**

1 ATTENTION..... 3

2 PRODUCT DESCRIPTION..... 4

3 FRONT PANEL..... 5

4 REAR PANEL..... 5

5 TERMINAL CONFIGURATION.....6

6 TECHNICAL PARAMETERS..... 9

## 1. Attention

- ① Install according to user manual, please read this instruction, pay attention to safety marks and warnings.
- ② Do not use this device near a heating resource.
- ③ Keep this device away from rain, water and moisture places.
- ④ Don't put any hazards on this product
- ⑤ Please use the accessories appointed by factory.
- ⑥ To prevent the power cord trampled extrusion. Especially in the plug, power outlet.
- ⑦ Please remove the plug under thunder weather, or long time no work.
- ⑧ Clear the dust on the device.
- ⑨ Qualified maintenance people to repair.

Warning: Do not dismantle products shell.

Do not use wet hand to pull the plug.

Do not place the product on other electrical equipment.

Should keep this product away from direct sunlight or high temperature, flame.

Install fixed bracket on the wall, make sure bracket material enough to bear the gravity of this product. Easy to power off.

Notice:

- May cause damage if do not operate according to this user manual.

## **2. Product description**

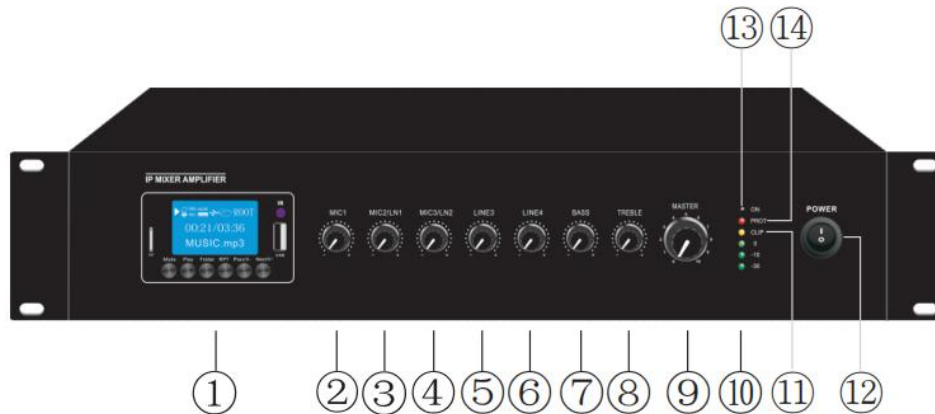
### **2.1 Product introduce**

The IP Network Amplifier combines the IP audio decoder/IP streaming and 100V/8 Ohm amplifier together. The IP network amplifier is of 19" rack mount design, it is built-in amplifier rated output at 60W, 120W, 240W, 350W to 500W. The IP network technology also allow this IP network amplifier could be installed anywhere even near to the speaker to save cable wiring from control room to each zone. The advantages of the network audio system are: long distance transmission, multiple channel audio matrix, simultaneous group programs & non-dedicated network wiring.

### **2.2 Feature**

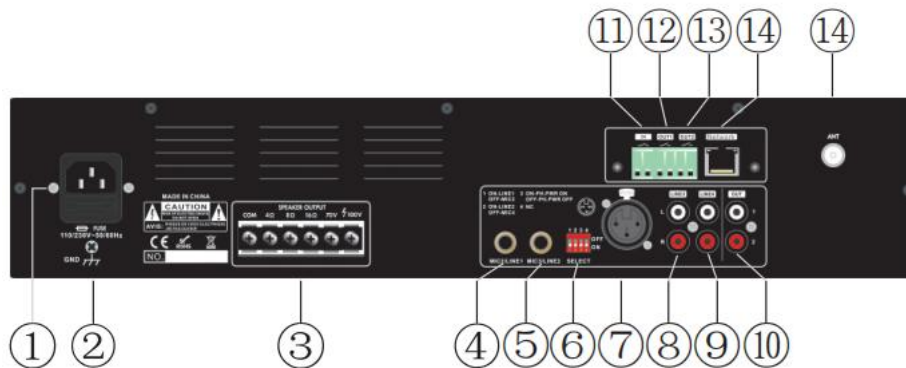
- IP network mixer amplifier with audio decoder.
- Simple configuration by system server, paging microphone & IP network amplifier to set up IP audio system.
- Huge system capacity of 6,000 zones paging and multiple BGM system.
- IP based public address system over LAN/WAN or Internet.
- Minimum cable connection by using existing network framework.
- Non-dedicated network audio system solution.
- Economy network PA system for multiple room and multiple program applications.
- Ideal for school, office, restaurant and fitness center IP PA sound system.
- IP network decoder built-in 100V/8 Ohm Amplifier.
- Rated power output of 60W, 120W, 240W, 350W& 500W.
- Mic1-3 inputs and line1-2 inputs and one line output.
- One control input and two control outputs
- Enable to broadcast Mp3 program or pre-recorded voice message from PC server to IP amplifier.
- Remote volume control and program control from server room.
- Timely broadcast ring bell or pre-recorded message to pre-set zones.
- IP remote paging microphone enables to talk to each speaker zone or amplifier over network.

### 3. Front Panel



1. Mp3/FM/Blue tooth media player module
2. Mic1 Attenuator
3. Mic/Line Input 2 Attenuator
4. Mic/Line Input 3 Attenuator
5. Line Input 3 Attenuator
6. Line Input 4 Attenuator
7. Bass
8. Treble
9. Master Volume Control
10. Output level meters
11. Clip indicator in yellow
12. Power on/off switch
13. Power on indicator
14. Protection indicator in red

### 4. Rear Panel



1. AC Power Socket & fuse
2. Earth terminal
3. Speaker output
4. MIC2/LINE1 input
5. MIC3/LINE2 input
6. Dipswitch Selector
7. Mic1 input
8. Line 3 Input.
9. Line 4 Input.



|                             |                                      |
|-----------------------------|--------------------------------------|
| 1 ON - LINE 1<br>OFF - MIC2 | 3 ON - PH.PWR ON<br>OFF - PH.PWR OFF |
| 2 ON - LINE2<br>OFF - MIC3  | 4 NC                                 |




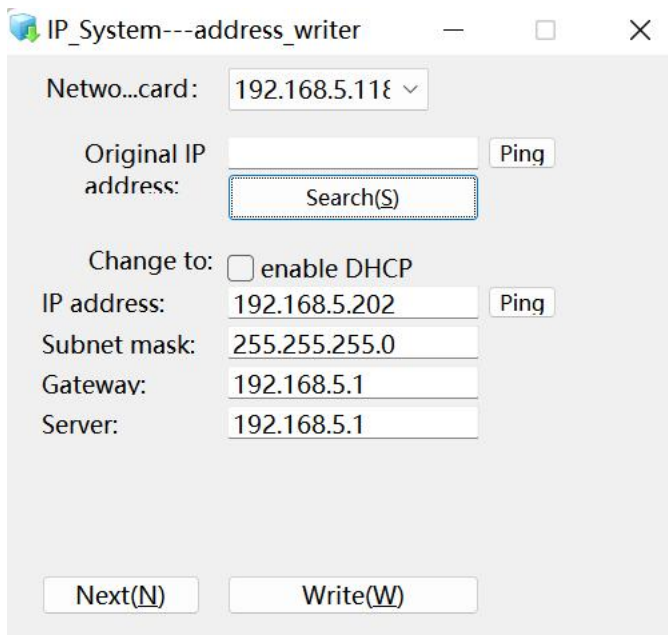
**Male XLR-3P:**  
Pin1-Ground  
Pin2-Positive signal  
Pin3- Negative signal

10. Line Output
11. Control input
12. Control output 1
13. Control output 2
14. LAN interface
15. FM antenna

## 5. Terminal Configuration



1. Run IP Server software  and click the "Configure" button  to enter the "IP Network Broadcast control software - configure V3.0 interface


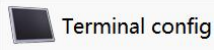

2. Click IP Address Writer  to reach IP terminal address setting V3.0 "interface, click the " Search "button, and the terminal IP Address will pop up Batch Write interface, where you can change the IP address of the terminal



3. The IP addresses configured to the terminals cannot be the same, and IP addresses of the server should be checked

### Add Terminal

1. Run IP Server software  and click the "Configure" button  to enter the "IP Network Broadcast control software - configure V3.0 interface

2. Click CONFITURE  to reach configuration interface, Click "Terminal Configuration"  click "New"  button to pop up the "Terminal Configuration - New" interface

Terminal configuration---New

**Basic configuration**

Name:  shortcut key Call code:   Alarm forced switching during call

IP address:

**Additional configuration**

Custom key:  Select  Alarm  Short output  Short output

Extension key:  Select  Alarm  Short output  Short output

Short input 1  Select  Alarm  Short output  Short output  Pla:  .. volum  priority:80

Short input 2  Select  Alarm  Short output  Short output  Pla:  .. volum  priority:80

**Call and intercom permission configuration**

Enable call and intercom only to the selected termi  Select

Apply the above additional configuration to other terminals:  Select Apply

OK(O) Cancel(C)

### 3. Terminal parameter configuration

Terminal name: the terminal name cannot be duplicate, and can be filled in freely according to the application environment

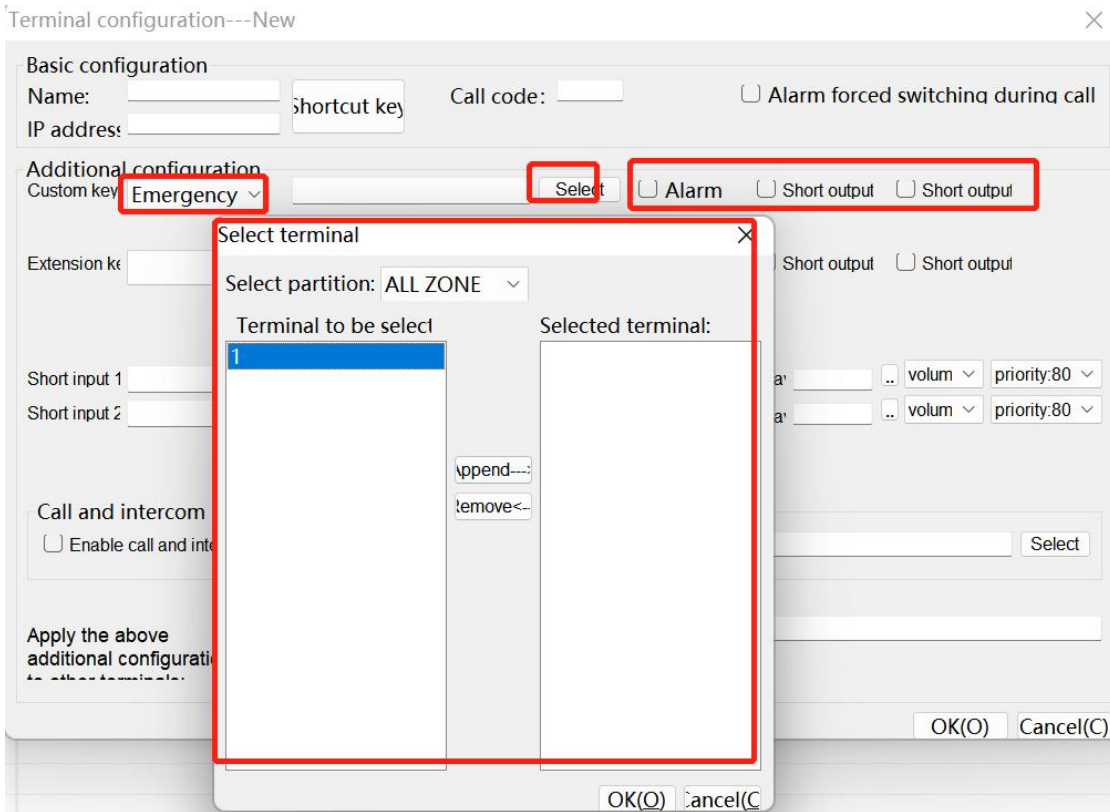
Call code: when the terminal is set as called or intercom, call code must be set, (Call code can not be set for fire protection, coding and power supply terminals)

Terminal IP address: the IP address of the terminal should be filled.

## Terminal Function Key Setting

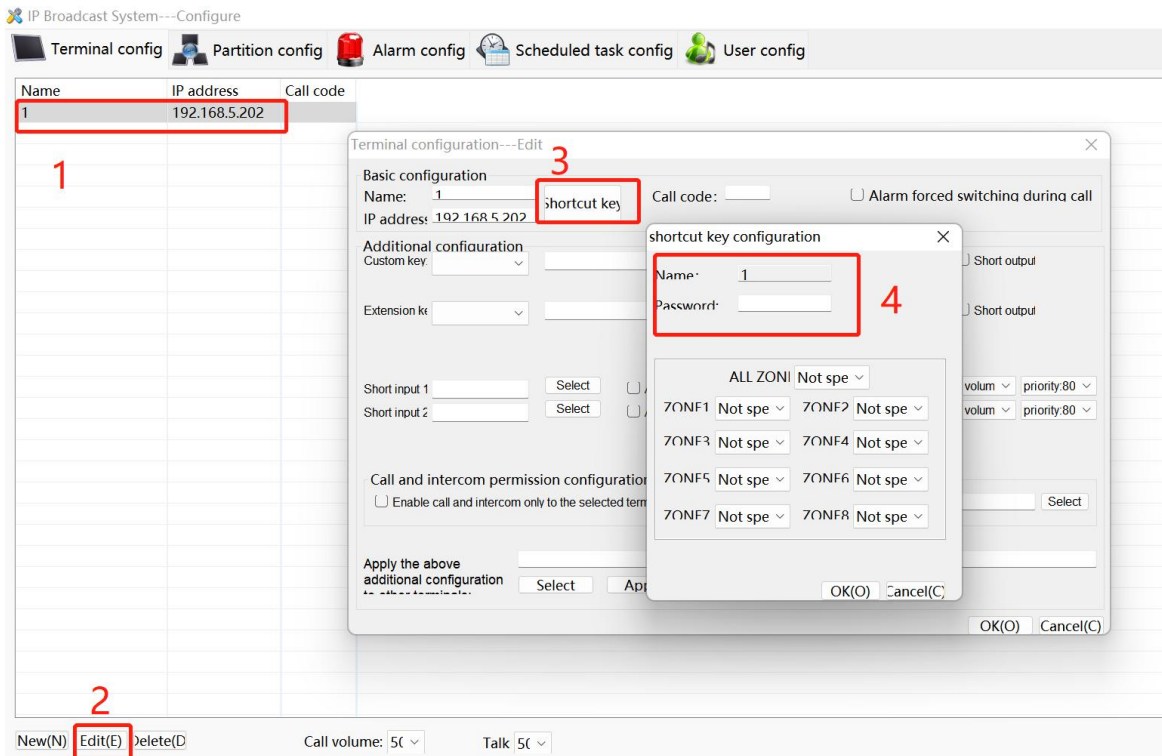
### 1. Emergency button setting

Enter the terminal configuration interface and click the "Emergency" button by Custom key and click "Select" to add the specified terminal as selected terminal, select the broadcast content, and then select short output according to the application requirements.



## 2. Shortcut Key Settings

Enter the "Terminal Configuration" ,click "Edit" button and click the "Shortcut key" button to modify the lock screen Password,set the screensaver time and user-defined keys based on the application environment requirements.



## 6. Technical Parameters

|                    |   |               |               |               |               |
|--------------------|---|---------------|---------------|---------------|---------------|
| Model              | AYZ-IP-A-60W  | AYZ-IP-A-120W | AYZ-IP-A-240W | AYZ-IP-A-350W | AYZ-IP-A-500W |
| Description        | IP Network Amplifier  |               |               |               |               |
| Power Output       | 60W   | 120W          | 240W          | 350W          | 500W          |
| Protocol Support   | TCP/IP, UPP, IGMP (group broadcasting)  |               |               |               |               |
| Transmit Speed     | 10/100Mbps  |               |               |               |               |
| Audio Format       | 16 digit stereo CD tone   |               |               |               |               |
| Frequency Response | 20Hz~16KHz  |               |               |               |               |
| THD                | ≤0.3%   |               |               |               |               |
| S/N Ratio          | ≥85dB   |               |               |               |               |
| Connector          | One RJ45 port, Mic1-3 inputs and line 1-2 input and one line output,<br>One control input and two control outputs |               |               |               |               |
| Speaker Output     | 100V/70V & 4-16 Ohm   |               |               |               |               |
| Working Temp       | -5°C to +40°C   |               |               |               |               |
| Humidity           | 10% ~ 90%   |               |               |               |               |
| Power Consumption  | 95W   | 175W          | 350W          | 485W          | 650W          |
| Power Supply       | AC220V, 50-60Hz   |               |               |               |               |
| Dimensions         | 484x366x88mm  |               |               |               |               |
| Weight             | 10.5kg  | 11.5kg        | 13.8kg        | 14.5kg        | 15.5          |

### Warranty

Warranty terms of global one year. While the term and warranty may vary by country and may not be the same for all products. Terms and conditions of warranty for a given product may be determined first by locating the appropriate country which the product was purchased in, then by locating the product type.

### Headquarters

- ✳ PO Box – 325780, Ras Al Khaimah, UAE
- ☎ +971 50 123 0625, +91 98 719 29686
- ✉ sales.uae@ayzointernational.com  
support.uae@ayzointernational.com

### Dhaka Office

- ✳ Sliver Spring, Flat – A2, House No – 4 ,  
Road 2/1, Banani – 1213,Dhaka, Bangladesh
- ☎ +880 1717 997966
- ✉ sales.bangladesh@ayzointernational.com  
support.bangladesh@ayzointernational.com

**Specifications may change without pre-notice.**

