Extending Power AmplifierAM8300

User’ Manual

AM8328 System Extending Power Amplifier AM8300

Welcome to use the central audio system. To make the better use of this equipment, please read this instruction carefully prior to use.

http://www.auxdio.com

http://www.dsppatech.com

Instruction to Product

AM8300 is the partition extended power amplifier used for the multi-room network music system. Every set of AM8300 is able to provided 4 additional partitions for the user, so as to meet the needs of the user for multiple partitions. One AM8328 host is able to connect 16 AM8300 extending boxes by the “hand-in-hand” or star connection mode. Any set of AM8300 has its own address ID, which the user may change according to his/her own needs.

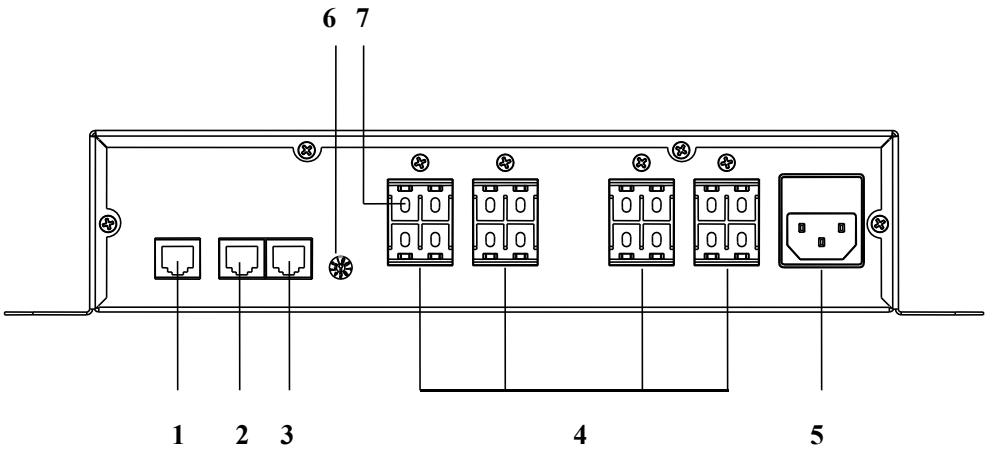
Description of Appearance

1. Description of Front Panel

1) Power switch.
2) Input voltage selecting switch with two voltage levels at 115V and 230V, which the user may select according to the actual condition of the power supply.

◆ Note: The voltage selecting switch must be turned to the corresponding level; otherwise, the machine may be burned!

2. Description of Rear Panel

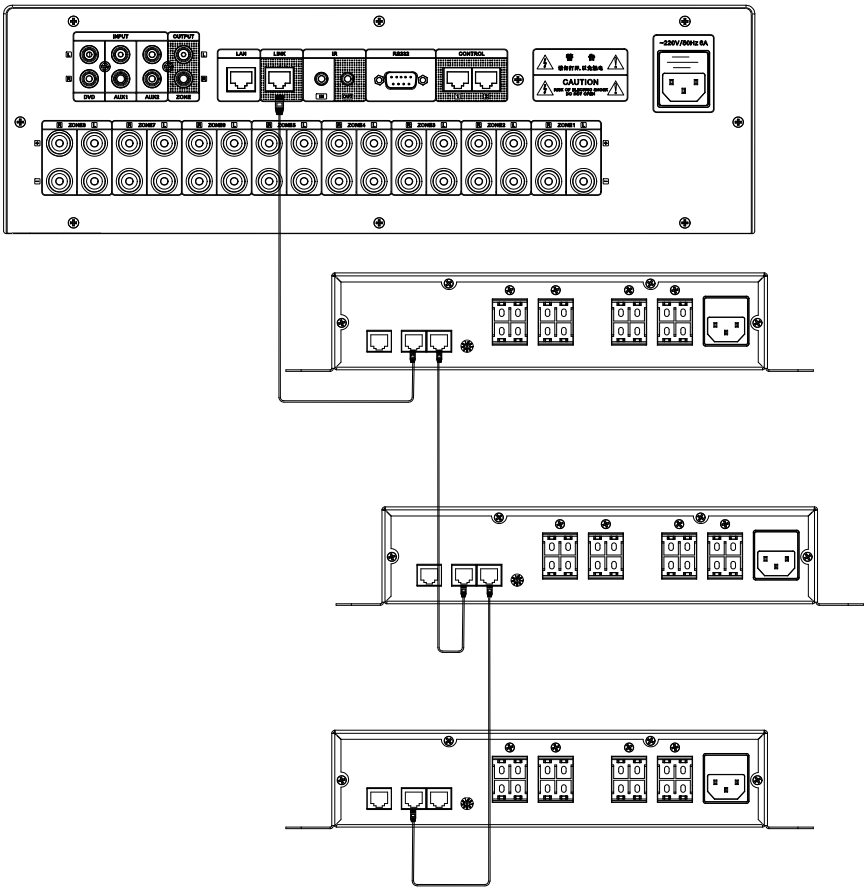


1) RS485 interface: Used to connect BM828R control panel.
2) RJ45 interface: Used to connect the case with AM8328 host (Or previous extending box).
3) RJ45 interface: Use to cascade the next extending box.
4) Partition audio output wiring terminal: Used to connect the partition output wiring terminal of the extending box; totally, there are 4 stereo wiring terminals, which are used to connect four partitions.
5) Power socket.
6) Partition numbering: [9 + (Set value) × 4]] ~ [8 + (Set value+1) × 4]
   Partition numbering knob: By default, the rotary disk points to "0"; in such case, the extending box partition numbers as displayed on AM8328 shall be "9, 10, 11 and 12"; if it points to "1", the extending box partition numbers as displayed on the host shall be "13, 14, 15 and 16", and the rest can be done in the same manner. The user may make the corresponding setting according to the requirements.

◆ Note: Whenever you want to add several sets of AM8300 to AM8328, make sure to set the address ID of AM8300 and prevent the repeated ID! After setting ID, it is required to reboot AM8300.

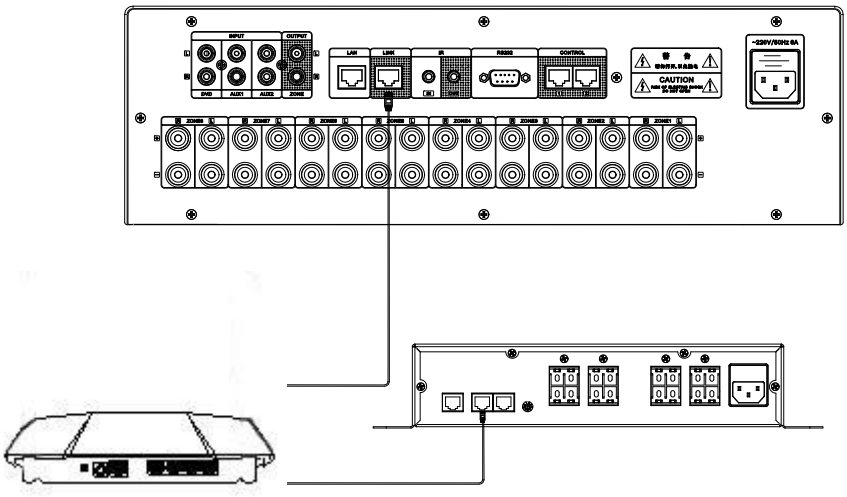
Description of Connection

1. Connecting AM8300 to host, “hand-in-hand” connection mode



2. Connecting AM8300 to AM8328 host, star connection mode

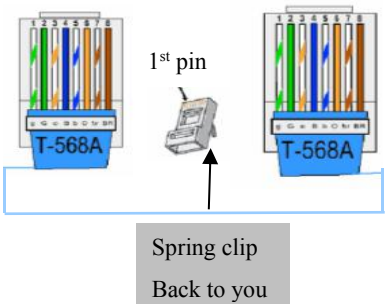
If you want to achieve the star connection mode, it is required to provide one exchanger.



Exchanger

In case of the insufficient length of the network cable, you may make the network cable by yourself in accordance with the connection method as shown below.

◆ Note: Every twisted-pair wire connected to each other shall be <=100m in length.



RJ45 interface

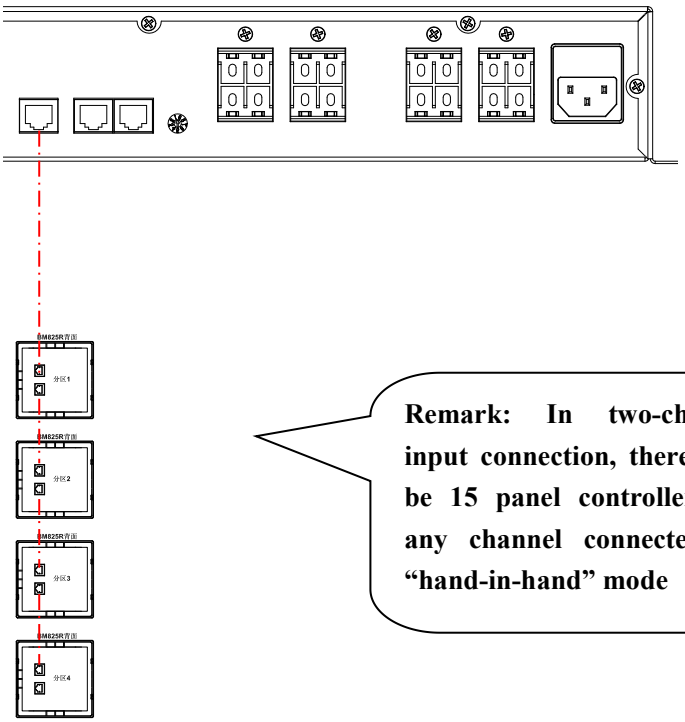
As connection method, the colors from left to right are:

Green & white, green, orange & white, blue;

Blue & white, orange, brown & white, brown

Corresponding one to one between two ends

3. Connecting AM8300 to BM828R control panel



Infrared remote controller

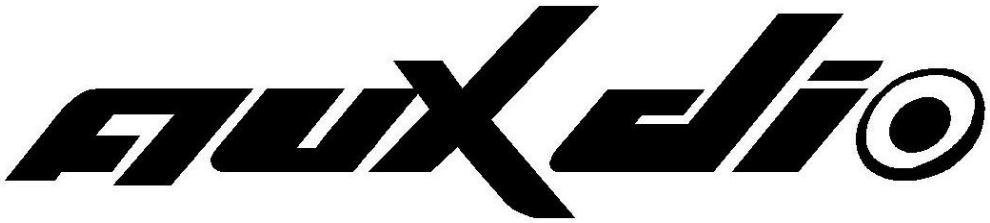
Remark: In two-channel input connection, there may be 15 panel controllers on any channel connected by "hand-in-hand" mode

Packing List

No.	Product	Quantity
1	AM8300 host	1 set
2	Power line	1 piece
3	Operation instruction	1 copy
4	Quality certificate and warranty card	1 copy

Performance Specification

Item		Indicator
Number of partition		4 partitions
Audio frequency indicator	**Rated output power**	Stereo, 8×30W/8Ω
	Frequency response	20Hz-20kHz (±0.5dB)
	Total harmonic distortion	<0.3% (f=1kHz, 1/3 of rated output power)
	Signal to noise ratio	> 81dB
Room controller interface		Using RJ45 network cable
Power amplifier output protection		Any partition has output short-circuit, overloading and direct current protection
Power supply		AC115V or 230V/50-60Hz
Consumed power		< 350W
Power protection		AC220V/F6A
Dimension of outer packing (mm)		(L×W×H) 340×340×160
Dimension (mm)		(L×W×H) 230×285×65
Gross weight		3.2kg
Net weight		2.8kg



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