PUBLIC ADDRESS SYSTEM

ARVOX

User's Manual

⚠ Warning ⚠

To avoid electric shock, please do not open the case cover yourself.
In case of malfunction, please contact your agent or the manufacturer for maintenance services, or entrust the maintenance to professionals with professional certificates. Do not dismantle the machine by yourself, as this may endanger the life of the operator in the event of an electric shock.





AMPLIFIER SERIES

PUBLIC ADDRESS SYSTEM Ver1. 0

Due to the continuous improvement of our products, designs and specifications are subject to change without notice!

Thank you very much for purchasing our products!
Please read this User's Manual carefully before using the machine and keep it in a safe place in case you need it in the future.

Safety Instructions

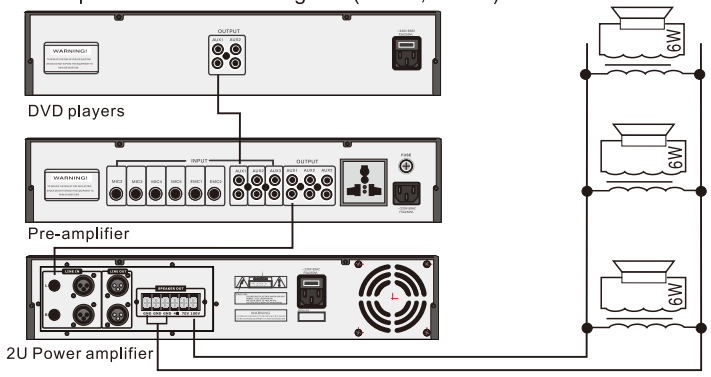
- Please read these instructions carefully before use.
- Pay attention to the safety warnings that appear in this manual.
- We recommend that you keep this manual for future reference.
- The safety symbols and warnings shown in this manual are intended to prevent injury and damage to property caused by improper handling, so please read this manual thoroughly before using the product and make sure you understand the various safety symbols and warnings to be fully aware of the potential hazards.

When installing this machine

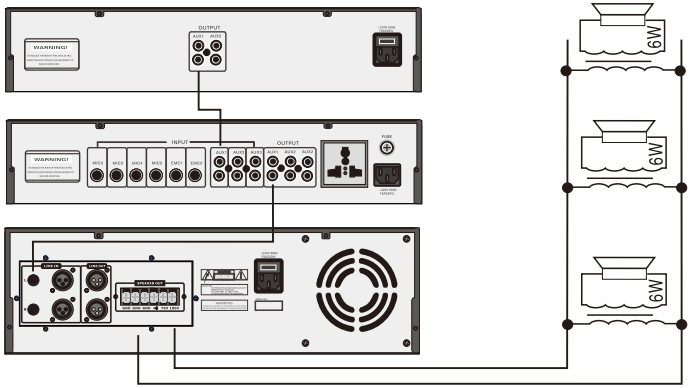
Warning: Improper use will cause injury, property damage and death

- Use within the voltage range specified for the machine. Use of higher voltages may cause electric shock or fire.
- Never cut, twist, break or replace the power cord at will, and avoid using the unit near electric heaters to avoid fire or property damage.
- Never place heavy objects on the machine to avoid damage to the equipment and electrical shock or fire.
- Do not touch the 70 V/ 100 V output terminals to avoid electric shock as they can be harmful to humans. After installation and commissioning, make sure that the high-voltage section is covered and that these terminals are connected to external conductors only under professional supervision.
- Do not install or set up the machine in an unstable place (e.g. on a shaky table or uneven surface) to avoid personal injury or property damage if the machine is dropped.
- Never plug or unplug with wet hands to avoid electric shock.
- When pulling out the plug, make sure that you pull the plug itself and not the power cord directly.
- When moving the machine, always remove the mains plug first, as moving the machine with the plug may cause a fire or electric shock.
- Do not cover the ventilation openings on the machine to avoid fire caused by high temperatures inside the machine.
- Avoid installing the unit in damp or dusty locations, in direct contact with sunlight, near electric heaters, or where there is steam, as this may cause fire or electric shock. For example, in bathrooms, etc.

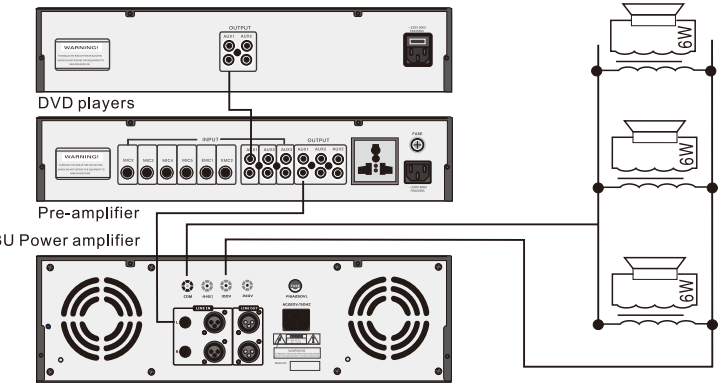
2U Power amplifier connection diagram (240W, 300W)



3U Power amplifier connection diagram (360W, 500W, 650W, 800W, 1000W)



3U Power amplifier connection diagram (1200W, 1500W)



Precautions for Using the Machine

- If you notice any of the following irregularities during use, turn the power off immediately, unplug it quickly and recently and contact your dealer, do not continue to use the machine until you have resolved the problem, it may cause a fire or electric shock.
  - If you notice smoke or a strange smell coming from the unit.
  - In the event that water or metal objects fall into the machine.
  - If the machine is dropped or the housing is damaged.
  - E.g. broken wires (exposed wire cores, broken wires, etc.)
- As there are high voltage parts inside the machine, to avoid fire or electric shock, never open the housing, please inform your nearest dealer if there is a problem.
- Never place cups, bowls, vases or other substances containing liquids on the machine, as inadvertent spillage of liquids on the inside of the machine may cause fire or electric shock.
- It is absolutely impossible to expose the machine to rain or any wet or water-prone area, which may cause electric shock or fire.
- Never expose the machine to rain or any wet or water-prone area as this may cause electric shock or fire.
- Never put metal objects or objects made of flammable material through the vents in the machine panel, nor coins, which may cause fire or electric shock.
- Do not place heavy objects on the machine to avoid injury to persons or damage to property if the machine slips.
- Do not continue to use the machine when the sound is distorted as this indicates a fault and may cause heat and fire inside the machine.
- If the machine needs to be cleaned due to the accumulation of dust over time, please inform your dealer to clean the machine regularly to avoid damage to the machine or fire.
- Ensure that the socket is in good contact to avoid poor contact which could cause fire or personal injury. When the unit has not been used for more than 10 days, unplug it to avoid electric shock or fire.
- Ensure that the volume is turned down before switching on, too high a volume on may cause hearing problems.
- This machine panel is subject to upgrade without notice, please refer to the actual product for details.

Catalogue

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3. 2U Power amplifier rear panel (240W/300W).....3

4. 3U Power amplifier panel

(360W/500W/650W/800W/1000W).....4

5. 3U Power amplifier rear panel

(360W/500W/650W/800W/1000W).....5

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Technical Specifications

Model	3U				
	RX-800P	RX-1000P	RX-1200P	RX-1500P	RX-2000P
Output power	800W	1000W	1200W	1500W	2000W
Speaker output	4-16Ω， 70V/100V				
Input sensitivity & source impedance	LINE IN 10KΩ, 0.775V, Unbalanced				
Output support	600Ω/1V(0dBV)				
Frequency response	60Hz~16KHz				
Signal-to-noise ratio	AUX1:80dB				
Total harmonic distortion	Lessthan0.1%at 1KHz,1/3rated power				
Control method	Gain control, power control				
Heat Dissipation	Forced cooling by fan when internal power module reaches 45°C				
Protection	Overheat protection, short circuit protection, overcurrent protection				
Power input	AC 220V/50Hz				
Power consumption	950W	1200W	1500W	2000W	2500W
Fuse	12A	15A	15A	16A	16A
Dimensions	485*400*132mm				
Net weight	22Kg	25Kg	27Kg	32Kg	35Kg

Technical Specifications are subject to change without notice

Technical Specifications

Model	2U				
	RX-240P	RX-300P	RX-360P	RX-500P	RX-650P
Output power	240W	300W	360W	500W	650W
Speaker output	4-16Ω， 70V/100V				
Input sensitivity & source impedance	LINE IN 10KΩ, 0.775V, Unbalanced				
Output support	600Ω/1V(0dBV)				
Frequency response	60Hz~16KHz				
Signal-to-noise ratio	AUX1:80dB				
Total harmonic distortion	Lessthan0.1%at 1KHz,1/3rated power				
Control method	Gain control, power control				
Heat Dissipation	Forced cooling by fan when internal power module reaches 45°C				
Protection	Overheat protection, short circuit protection, overcurrent protection				
Power input	AC 220V/50Hz				
Power consumption	350W	450W	500W	750W	
Fuse	8A	10A	10A	12A	
Dimensions	485*340*88mm		485*400*132mm		
Net weight	12Kg	14Kg	17Kg	19Kg	

Technical Specifications are subject to change without notice

Product Overview

Public Address Power amplifier series with rated power from 240W to 1500W, using class AB amplification line, above 1000W using bridge mode, strong load carrying capacity, stable operation

Functional features

1.Using class AB amplification line, sufficient power output, super load capacity, simple and beautiful process

2.The audio input uses 6.3 microphone interface and Canon interface for choice, (input sensitivity is mv/ 10 K, unbalanced input.

3.With a signal following amplification line for auxiliary output, convenient for cascade expansion.

4.Output power with 70 V/ 100 V constant voltage output and 4 - 16 Ω constant resistance output.

5.With abnormal work protection warning function, when the input signal is too large, the load is too heavy, the temperature is too high, the line is short-circuited, there is a protection light prompt, with high reliability.

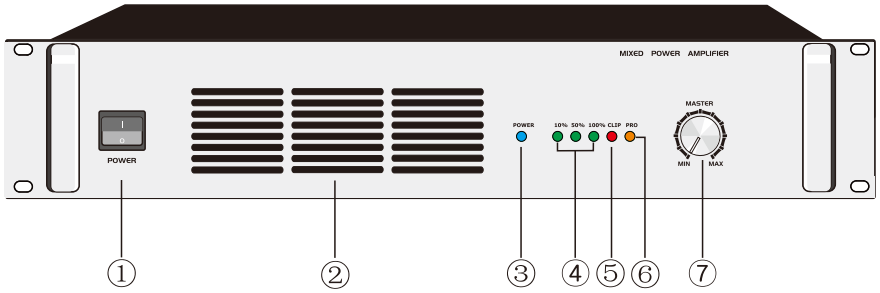
6.With a 45 degree temperature control automatically start the cooling fan to force heat dissipation, so that the equipment in a safe temperature work

Special Note.

If the machine is upgraded, the performance of the product may vary, please refer to the actual upgraded machine. These instructions may not be pirated and are subject to final interpretation by the manufacturer.

2 U Power amplifier

Front Panel (240W/300W)



1.Power switch

Switch up, power on; switch down, power off

2.Ventilation openings

For the air inlet of the fan, please do not block it.

3.Power indicator:

When the power is on, the power light is on; when the power is off, the power light is off

4.Signal indicator:

When a signal is input, the signal light is on; when the signal is stopped, the signal light is off

5.Peak clipping indicator:

When the input signal reaches full load or overload, the Peak clipping lamp lights up

6.Protection indicator:

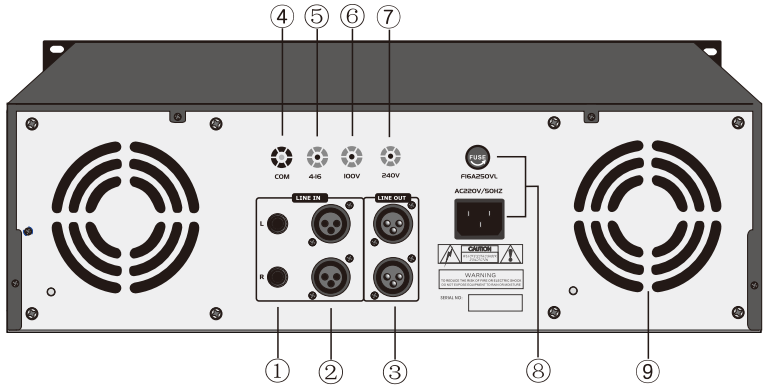
If the machine is protected by overheating, overload or DC, the indicator will light up and the output relay will be disconnected.

7.MASTER - Total volume

Control of the input level signal size adjustment

3 U Power amplifier

Rear panel (1200W/1500W)



1.Signal input connector 1

6.3 connector for input connection, unbalanced signal input

2.Signal input connector 2

Unbalanced signal input using Canon female as input connection

3.Line Out

Line out (unbalanced output) for connection to the next device

4.Common terminal

Common terminals such as negative, ground, etc. can be connected

5.4 ~16Ω terminal:

Can be used to connect speakers with a resistance of 4 ~ 16 Ω

6. 70 V terminal

Can be used to connect 70 V constant voltage speakers

7. 100 V terminal

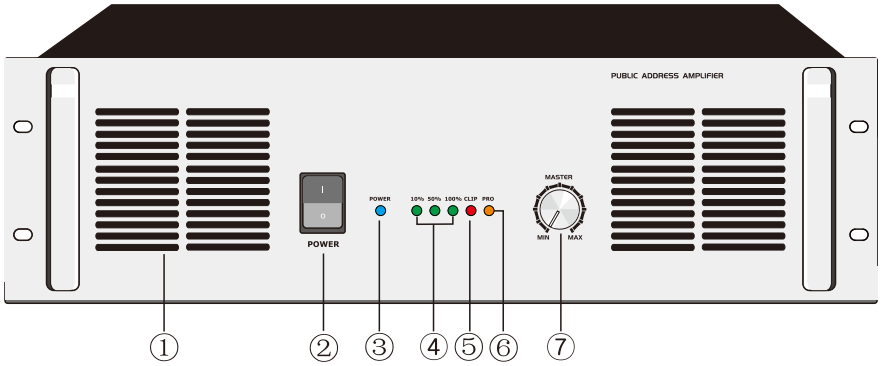
Can be used to connect 100 V constant voltage speakers

8.AC 220 V power input

. Radiator fans

3 U Power amplifier

Front Panel (1200W/1500W)



1.Ventilation openings

For the air inlet of the fan, please do not block it.

2.Power switch

Switch up, power on; switch down, power off

3.Power indicator:

When the power is on, the power light is on; when the power is off, the power light is off

4.Signal indicator:

When a signal is input, the signal light is on; when the signal is stopped, the signal light is off

5.Peak clipping indicator:

When the input signal reaches full load or overload, the Peak clipping lamp lights up

6.Protection indicator:

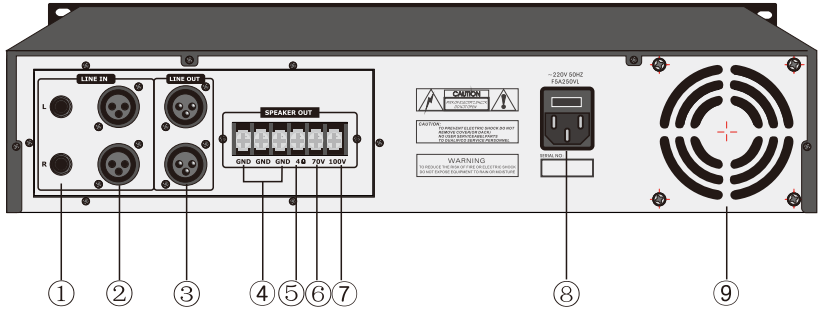
When the machine appears protection, this indicator light will be on, normal work, the indicator light off; If the product is protected by overheat, overload and DC, the indicator light will be on and the output relay will be disconnected.

7.MASTER - Total volume

Control of the input level signal size adjustment

2 U Power amplifier

Rear panel (240W/360W)



1.Signal input connector 1

6.3 connector for input connection, unbalanced signal input

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Unbalanced signal input using Canon female as input connection

3.Line Out

Line out (unbalanced output) for connection to the next device

4.Common terminal

Common terminals such as negative, ground, etc. can be connected

5. 4 ~16Ω terminal:

Can be used to connect speakers with a resistance of 4 ~ 16 Ω

6.70 V terminal

Can be used to connect 70 V constant voltage speakers

7.100 V terminal

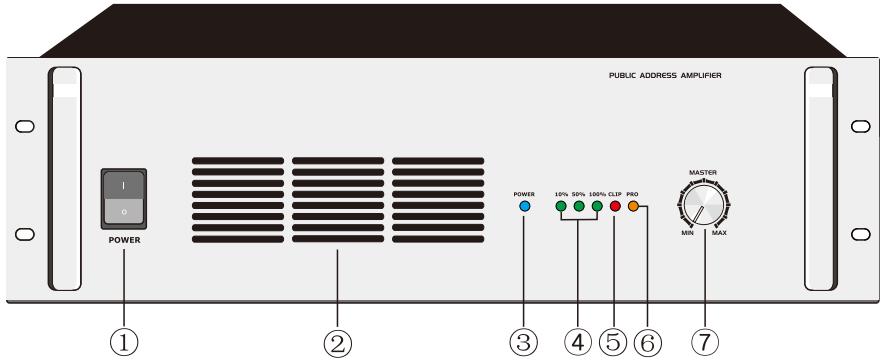
Can be used to connect 100 V constant voltage speakers

8.AC 220 V power input

9.Radiator fans

3 U Power amplifier

Front Panel (360W/500W/650W/800W/1000W)



1.Power switch

Switch up, power on; switch down, power off

2.Ventilation openings

For the air inlet of the fan, please do not block it.

3.Power indicator:

When the power is on, the power light is on; when the power is off, the power light is off

4.Signal indicator:

When a signal is input, the signal light is on; when the signal is stopped, the signal light is off

5.Peak clipping indicator:

When the input signal reaches full load or overload, the Peak clipping lamp lights up

6.Protection indicator:

This indicator light will be on when the machine is protected and off when it is in normal operation;

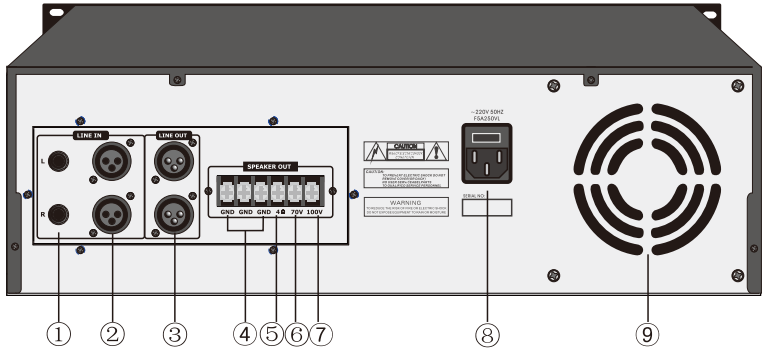
If the product is protected by overheating, overload or DC, the indicator lights up and the output relay is disconnected.

7.MASTER - Total volume

Control of the input level signal size adjustment

3 U Power amplifier

Rear panel (360W/500W/650W/800W/1000W)



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6.3 connector for input connection, unbalanced signal input

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Unbalanced signal input using Canon female as input connection

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Line out (unbalanced output) for connection to the next device

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5.4 ~16Ω terminal:

Can be used to connect speakers with a resistance of 4 ~ 16 Ω

6. 70 V terminal

Can be used to connect 70 V constant voltage speakers

7.100 V terminal

Can be used to connect 100 V constant voltage speakers

8.AC 220 V power input

9.Radiator fans