

- ◆ R1000: 350W into 8ohms; 550W into 4ohms; 960W into 8ohms(Bridged)
- ◆ R2400: 500W into 8ohms; 800W into 4ohms; 1600W into 8ohms(Bridged)
- ◆ R3200: 900W into 8ohms; 1500W into 4ohms; 3000W into 8ohms(Bridged)
- ◆ Precision Power, Signal, CLIP, PROT to monitor performance
- ◆ Independent limiters per channel offer reliable protection against overload and distortion.
- ◆ Independent DC and thermal protection on each channel automatically protects amplifier and speaker without shutting down the show.
- ◆ “Front to rear” ventilation system avoid uncomfortable feelings when operate the amps from front panel.
- ◆ Good quality electronic elements and extraordinarily robust construction ensure long life span.
- ◆ Works perfectly even at low voltage, specifically “Make for India”.
- ◆ Designed by AERONS INDIA, India.



R1000 rear panel



R2400/R3200 rear panel

## THEY PRESENT YOUR SOUND CLEAN AND CLEAR.

R series is the most cost effective transformer power amplifier which is suitable for small to middle sized performances. Adopts mature Class AB and Class H circuit layout, R series is of high stability and reliability. Excellent sound performance makes R series can perform to various functional request for most applications without distortion. The sound performance is clean and clear. Multiple protections and innovated heat radiation ensure R series amplifiers can work for long term but low failure.

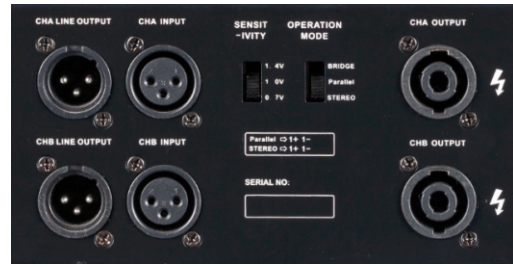
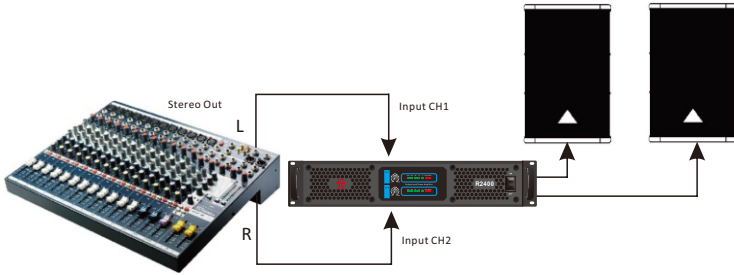
### Features

- ◆ Two-stage power models available, which is convenient for you to build up a sound system.
- ◆ Good quality toroidal transformer, for further reliability even at high and low voltage.
- ◆ Excellent heat radiation creates high efficiency.
- ◆ Multiple protection features: DC/Short Circuit/High Temp/Overload/Soft start up/CLIP/VHF
  - The DC protect is  $\pm 3V_{(R1000)}/\pm 10V_{(R2400)}$ . This can protect your loudspeakers effectively.
  - Short circuit protection can mute the input signal and switch off the power amp modules. The power amp will recover voluntarily when short circuit elimination. You don't need to switch off the amp and then restart it. It can make sure of the reliability of the whole sound system.
  - There are thermal switches inside the transformer and the amp modules. Upon  $85^{\circ}C_{(R1000)}/135^{\circ}C_{(R2400/R3200)}$  of the inside transformer and  $95^{\circ}C(\pm 5^{\circ}C)$  of the amplifier module, the thermal switch will be switched off to protect.
  - Input overload protection will protect speakers very well. Moreover, input overload is working with sound dynamic. Its maximum tolerable voltage is 22dBu. It can effectively avoid signal square wave to damage speakers.
  - It has soft start up protect. This can keep the amp from the break of high current inrush.
  - Clip limiter circuit can work independently of the impedance load. The limiter range is much wider and smoother. It can avoid square wave caused by output level. Even with much stronger music signal, there is no clipping. This can effectively protect the whole sound system.
- ◆ The slew rate is more than  $15V/\mu s$ . Again, this ensure very nice sound. Even for the most fast and strongest music signal. It can deliver well without losing any signal.
- ◆ Routing mode selector (stereo/bridge/parallel) on the rear panel.
- ◆  $15A_{(R1000)}/8A_{(R2400)}/10A_{(R3200)}$  circuit breaker on rear panel, which can be repeatedly use through pressing it back.
- ◆ Ground ON/OFF switch on rear panel<sub>(R2400/R3200)</sub> can help to reduce noise in sound system.
- ◆ High dynamic range and low distortion, sound clean and clear.

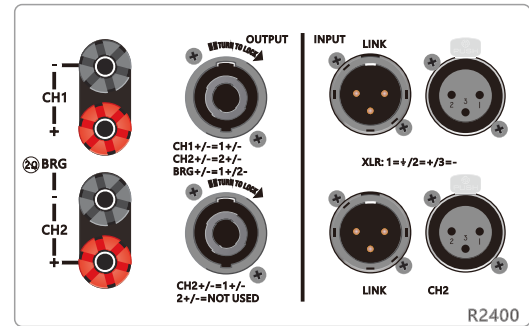
### Applications

- ◆ Small to middle sized installation applications
- ◆ KTV, bar, hall installations
- ◆ Economical sound reinforcement applications

## Stereo Mode

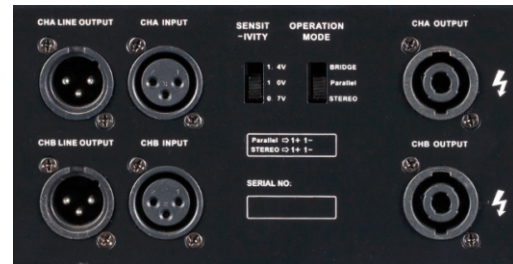
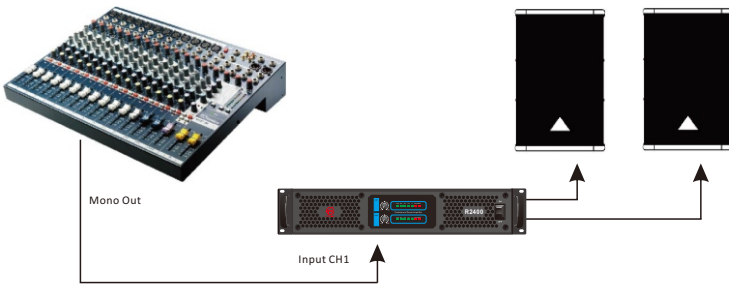


R1000

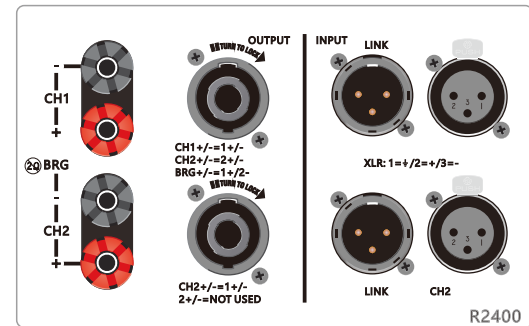


R2400

## Parallel Mode

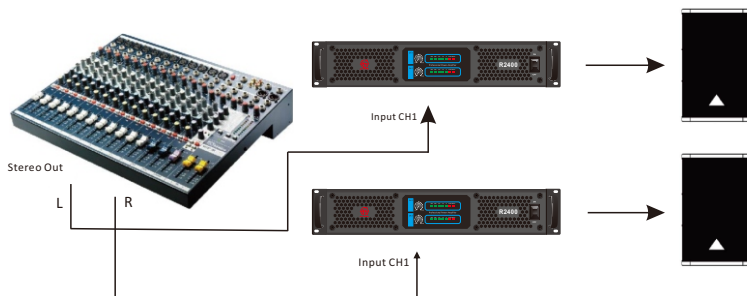


R1000

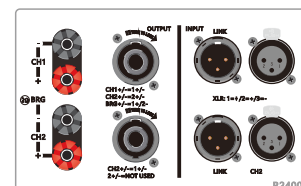


R2400

## Bridge Mode



R1000



R2400

## SPECIFICATIONS

### Rated Power(1 KHz, THD+N≤0.05%)

<b>R1000</b>	
8Ω stereo	2 x350W
4Ω stereo	2x550W
8Ω bridge	960W

<b>R2400</b>	
8Ω stereo	2x500W
4Ω stereo	2x800W
8Ω bridge	1600W

<b>R3200</b>	
8Ω stereo	2x900W
4Ω stereo	2x1500W
8Ω bridge	3000W

### Filter Capability

R1000	100V 15000uFx4
R2400	63V 6800uFx4
R3200	160V 2200uFx4

### Damping Factor

R1000	≥150
R2400/R3200	≥250

### Dimension(WXHXD)

R1000	550mmx400mmx180mm
R2400	580mmx550mmx200mm
R2400	595mmx580mmx200mm

### Gross Weight

R1000	14.5KG
R2400	20.5KG
R3200	23.7KG

### Protection

DC protection	✓
Short circuit protection	✓
High temperature protection	✓
Output overload protection	✓
Soft start protection	✓
Clip limit protection	✓
VHF protection	✓
Progressive volume protection	✓

### Frequency Response

R1000	20Hz-20KHz(+1/-1dB)
R2400/R3200	20Hz-20KHz(+0/-0.5dB, 1/8W into 8ohms)

### Input Sensitivity

R1000	0.775V/1V/1.4V
R2400/R3200	0.775V/1V/32dB

### S/N ratio

R1000	≥97dB
R2400/R3200	≥95dB

### Output Circuit

R1000	Class AB
R2400	Class H
R3200	Class TD

### Connectors(each channel)

Input connectors	
R1000	3 pin XLR
R2400/R3200	3 pin XLR
Output connectors	
R1000	SpeakON
R2400/R3200	SpeakON & Binding Posts
Mode	Stereo/Parallel/IBridge

### Input Impedance

Balanced	20K
Unbalanced	10K

### Other Specification

Fan speed regulation	Auto-speed
----------------------	------------

### Channel separations (8Ω load, 1KHz and below)

R1000	≥65dB
R2400/R3200	≥70dB

<b>Slew Rate</b>	15V/uS
------------------	--------

### Power Consumption

R1000	1000W
R2400	1050W
R3200	1600W