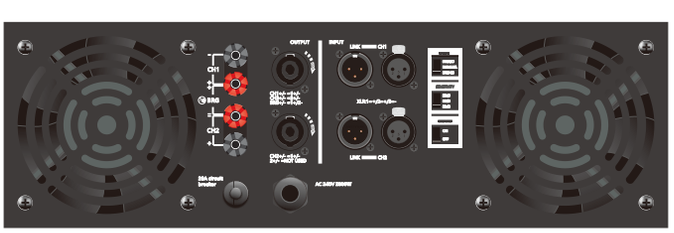
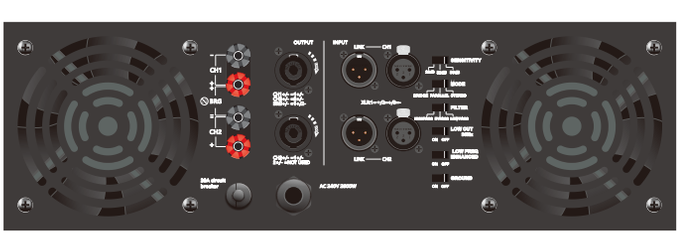
SUBK SERIES

AERONS (INDIA)

- SUB8K: 2500W into 4ohms; 4000W into 2ohms; 8000W into 4ohms(Bridged)
- SUB12K: 3600W into 4ohms; 7000W into 2ohms; 14000W into 4ohms(Bridged)
- Precision Power, Signal, TEMP, CLIP, PROT to monitor performance
- SUB12K: Selectable Low-frequency filters(30Hz) remove distracting infra-sound frequencies.
- Independent limiters per channel offer reliable protection against overload and distortion.
- High-current copper transformer for ultra high transient response and absolute reliability.
- Ultra reliable Onsemi and SANKEN power transistors.
- Independent DC and thermal protection on each channel automatically protects amplifier and speaker without shutting down the show.
- High strength of 2mm thickness amp chassis with 6mm aluminum front panel
- “Front to rear” ventilation system avoid uncomfortable feelings when operate the amps from front panel.
- High quality electronic elements and extraordinarily robust construction ensure long life span.
- Bass Enhancer for better bass response.
- Works perfectly even at low voltage, specifically “Make for India”.
- Designed by AERONS INDIA, India.



SUB8K rear panel



SUB12K rear panel

SUBK SERIES

AERONS (INDIA)

THEY MAKE THE SOUND AMPLIFY FROM STRENGTH.

SUBk series is developed for the pursuit of excellent sound quality with high density of power. Combined with dynamic power supply PWM modulation technology, SUBK series can perform to the need of high requirements in efficiency and quality. Equipped with pure copper heavy-duty toroidal transformer and assembled with high quality electronic elements, they can work stable at 4 ohm load easily with no sound distortion. Class AB+D circuit layouts drive them in the same stability and reliability. Multiple-protections and innovated heat radiation escort them can work for long term but low failure.

Features

- Two-stage power models available, which can match with the most speakers very well, convenient for your to build up a sound system.
- Copper heavy-duty high-current toroidal transformer, for further reliability even at high and low voltage. Low physical “Buzzing” noise from seamless copper wires.
- Excellent heat radiation creats 90% high efficiency.
- High-capacity and low-impedance transistors and world famous brand electronic elements
- Multiple protection features: DC/Short Circuit/High Temp/Overload/Soft start up/CLIP/VHF
  - The DC protect is ±10V.
    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. Yon 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 135°C of the inside transformer and 95°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.
- SUB12K: Crossover circuit is built with 18dB/oct LINK with Riley filters.
  Low pass 160Hz means frequency that over 160Hz will be cut
  High pass 160Hz means frequency that below 160Hz will pass.
  Low cut 30Hz means that frequency that below 30Hz will be cut. We cannot hear frequency below 30Hz, but it will bring high energy loss to amplifier as well as destruction to speakers.
- SUB12K, Bass Enhancer function will make the amplifier as punchy as enough.
- The slew rate is more than 35V/µs. 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
- 20A/30A circuit breaker on rear panel, which can be repeatedly use through pressing it back.
- Ground ON/OFF switch on rear panel can help to reduce noise in sound system.
- High dynamic range and low distortion, sound transparent and extensive.
- Removable rear panel design improves the convenience of failure checking and maintenance.

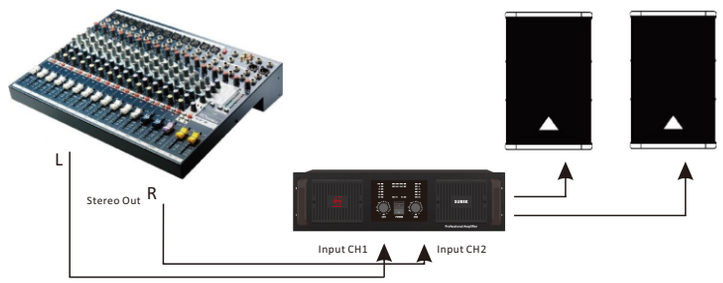
Applications

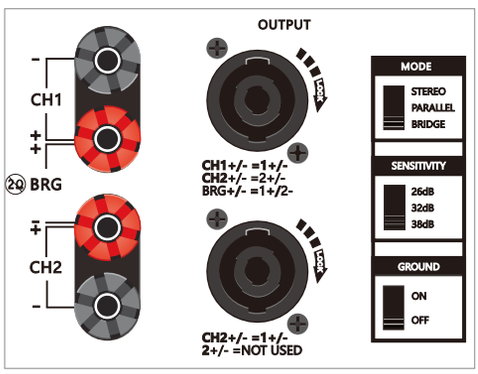
- Mid to big size high-end installation applications
- Venues with high sound quality and power density requirements
- Sub woofer amplification on continuous full-power operation

SUBK SERIES

AERONS (INDIA)

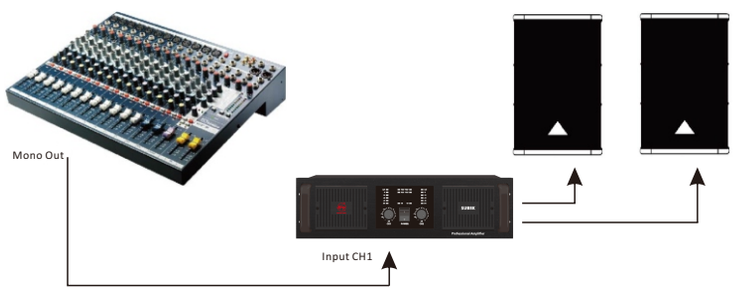
Stereo Mode

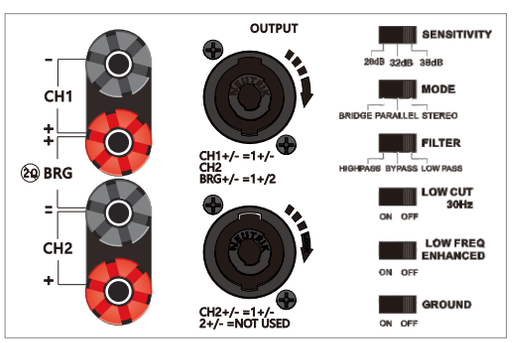




SUB8K

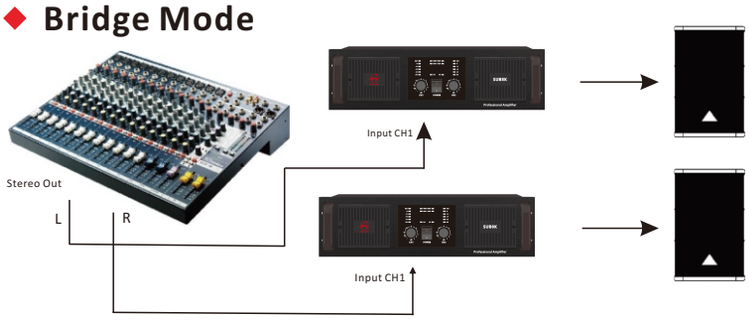
Parallel Mode





SUB12K

Bridge Mode



SUBK SERIES

AERONS (INDIA)

SPECIFICATIONS

Rated Power(1 Khz, THD+N≤0.05%)

SUB8K	
8Ω stereo	2 x1500W
4Ω stereo	2x2500W
2Ω stereo	2x4000W
8Ω bridge	5000W
4Ω bridge	8000W

SUB12K	
8Ω stereo	2x2200W
4Ω stereo	2x3600W
2Ω stereo	2x7000W
8Ω bridge	7200W
4Ω bridge	14000W

Crossover(SUB12K)	
High pass	160Hz
Low pass	30Hz

Filter Capability	
SUB8K	15000μF/80Vx12
SUB12K	3900μF/250Vx12

Damping Factor	
SUB8K	≥800
SUB12K	≥800

Dimension(WXHXD)	
SUB8K	483mmx458mmx133mm
SUB12K	483mmx458mmx133mm

Gross Weight	
SUB8K	38.5KG
SUB12K	42KG

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(+0/-0.5dB, 1/4W into 8ohms)	
SUB8K/SUB12K	20Hz-20KHz

Input Sensitivity	
SUB8K/SUB12K	26dB/32dB/38dB

S/N ratio	
SUB8K/SUB12K	≥95dB

Circuit Topology	
SUB8K	Class 3H
SUB12K	Class AB+D

Connectors(each channel)	
Input connectors	
SUB8K/SUB12K	3 pin XLR, LINK Neutrik®(SUB12K)
Output connectors	
SUB8K/SUB12K	SpeakON & Binding Posts Neutrik®(SUB12K)
Mode	Stereo/Parallel/IBridge
Fan speed regulation	Auto-speed
Channel seperation (8Ω load, 1KHz and below)	≥70dB
Slew Rate	35V/uS

Input Impedance	
Balanced	20K
Unbalanced	10K