



AERONS (INDIA)

# PROFESSIONAL POWER AMPLIFIER

# SIGMA SERIES

SIGMA 1800

SIGMA 2600  
SIGMA 8800

SIGMA 3600  
SIGMA 12000

SIGMA 5400



[www.aeronsindia.com](http://www.aeronsindia.com)

## **SIGMA SERIES – Precision Engineered for Power & Performance**

The SIGMA Series represents the pinnacle of amplifier design, combining power, efficiency, and reliability to meet the demands of professional audio applications. With six models delivering between 700W to 4000W per channel at 4 ohms, this series provides the versatility to drive everything from compact tops and line arrays to high-powered subwoofers with absolute authority.

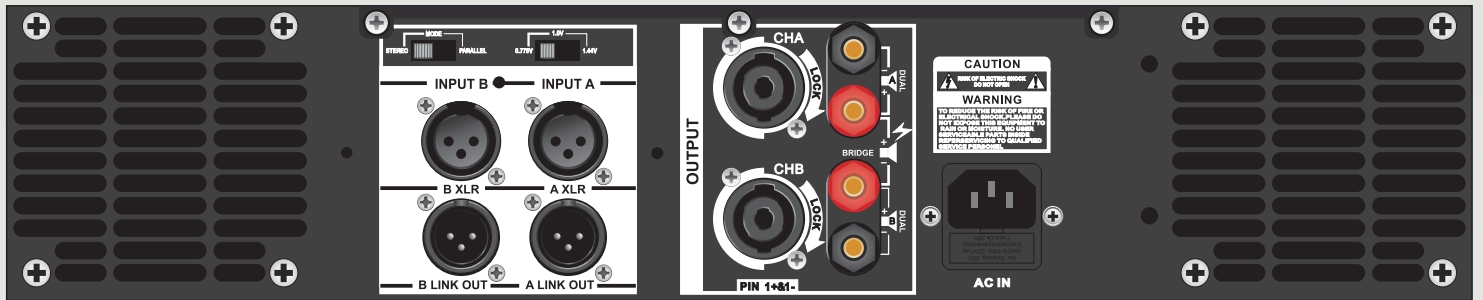
Engineered for exceptional sonic clarity and control, SIGMA amplifiers utilize advanced Class H output circuitry, ensuring high efficiency with minimal heat buildup. A high damping factor guarantees superior bass response—tight, defined, and impactful. Whether in demanding live environments or fixed installations, SIGMA amplifiers deliver consistent, stable performance under heavy loads.

Beyond performance, the striking blue front panel and rugged chassis design reflect the durability and attention to detail that define the SIGMA Series. Designed to excel in high-pressure touring, live sound, and installation applications, these amplifiers are built to perform flawlessly, night after night.

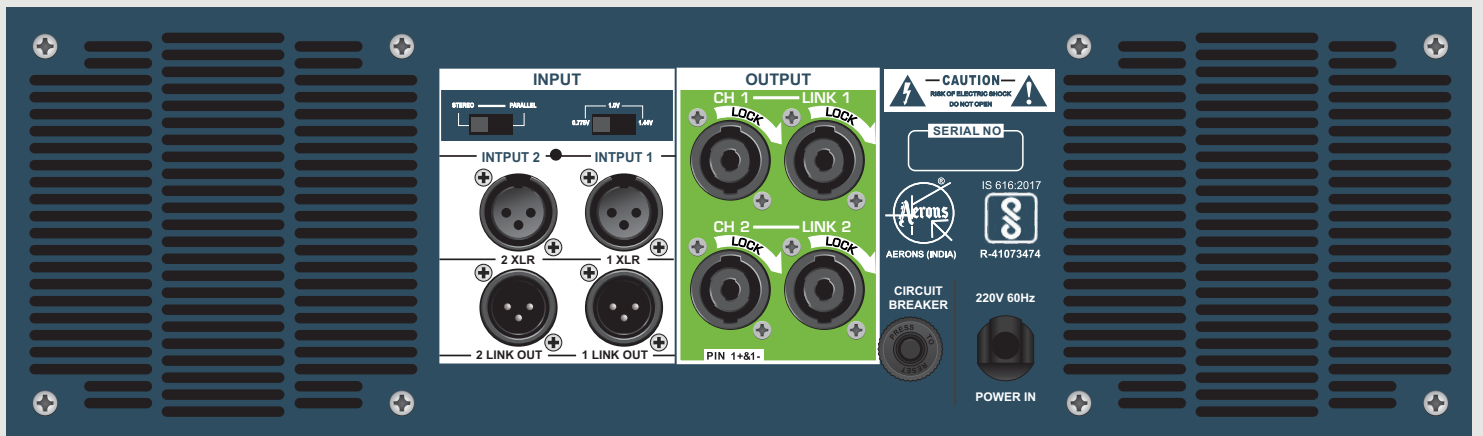
### **Power your sound with confidence. Power it with SIGMA.**

- ▶ *Precision Power, Signal, CLIP, PROT to monitor performance.*
- ▶ *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 power transistors.*
- ▶ *“Front to rear” ventilation system avoid uncomfortable feelings when operate the amps from front.*
- ▶ *High 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.*

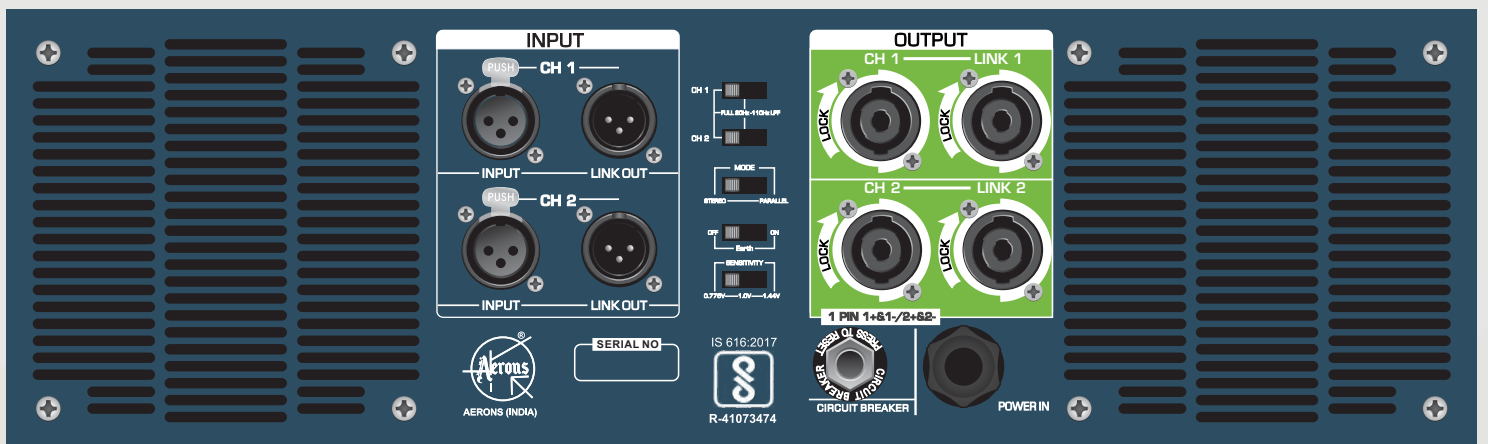
# REAR PANELS



( SIGMA 1800/2600 )



( SIGMA 3600 )



( SIGMA 5400/8800/12000 )

# SPECIFICATIONS

## General Information

### Rated power

#### SIGMA 1800

8Ω Stereo	2x400W
4Ω Stereo	2x700W
2Ω Stereo	2x1100W
8Ω Bridge	1400W
4Ω Bridge	2200W

#### SIGMA 2600

8Ω Stereo	2x600W
4Ω Stereo	2x1000W
2Ω Stereo	2x1600W
8Ω Bridge	2000W
4Ω Bridge	3200W

#### SIGMA 3600

8Ω Stereo	2x800W
4Ω Stereo	2x1350W
2Ω Stereo	2x1800W

#### SIGMA 5400

8Ω Stereo	2x1100W
4Ω Stereo	2x1900W
2Ω Stereo	2x2700W

#### SIGMA 8800

8Ω Stereo	2x1500W
4Ω Stereo	2x2800W
2Ω Stereo	2x4400W

#### SIGMA 12000

8Ω Stereo	2x2300W
4Ω Stereo	2x4000W
2Ω Stereo	2x6000W

## Audio Performance

### Frequency Response

SIGMA	20Hz-20kHz (+1/-1dB, 1W)
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### S/N Ratio

SIGMA	≥ 99dB
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### Damping Factor

SIGMA 1800/2600	≥ 500
SIGMA 3600/5400	≥ 800
SIGMA 8800/12000	≥ 1200

### Analog Input

#### Input Impedance

Balanced	20k
Unbalanced	10k

### Output Circuitry

SIGMA	<b>Class H</b>
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### Input Sensitivity

SIGMA	0.775V/1V/1.44V
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### Protections

DC protection	✓
Short Circuit protection	✓
High temperature protection	✓
Output overload protection	✓
Soft Start protection	✓
Clip limit protection	✓

### Mode

SIGMA 1800/2600	Stereo/Parallel/ Bridge
SIGMA 5400/8800	Stereo/Parallel
SIGMA 8800/12000	

### Total Harmonic Distortion (@8ohm, 1kHz)

SIGMA	<0.5%
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