



AERONS (INDIA)

PROFESSIONAL POWER AMPLIFIER

SIGMA SERIES

SIGMA 1800 | SIGMA 2600

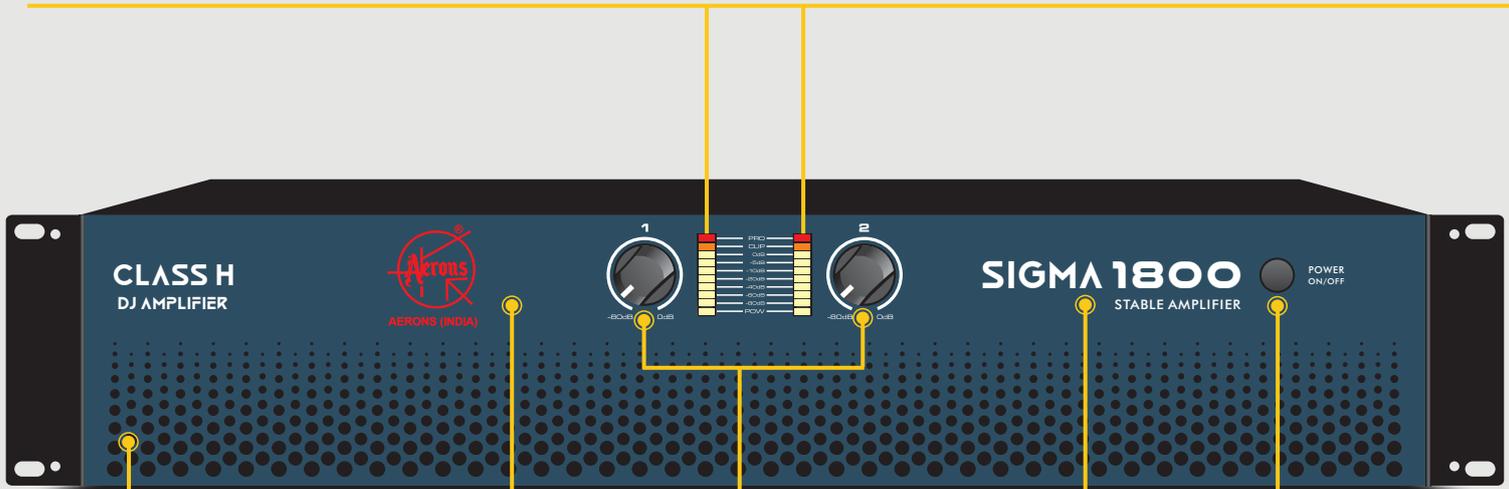


- ▶ Precision Power, Signal, CLIP, PROT to monitor performance.
- ▶ Detachable magnetic suction panel for easy dust removal and cleaning.
- ▶ Independent limiters per channel offer reliable protection against overload and distortion.
- ▶ High-current copper transformer for ultra high transient response 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.

www.aeronsindia.com

FRONT PANEL FEATURES

- Power Indicator:** Two green LEDs, one for each channel, illuminate when the amplifier is Power ON.
- Input Indicator:** Green LEDs, for each channel, illuminate when the channel input Between -80dBu to 0dBu.
- Clip Indicator:** Two orange LEDs, one for each channel, illuminate when the channels output is being over driven.
- Protect Indicator:** Two red LEDs, one for each channel, illuminate when amplifier goes in protect mode.



Cooling Vents:
Front to rear forced air flow.

Gain (Level) Controls:
Two black rotary level controls, one for each channel.

Power Button :
Turns amplifier power on and off.

Detachable Panel:
Magnetic Suction panel for dust removal.

Model number

BACK PANEL FEATURES

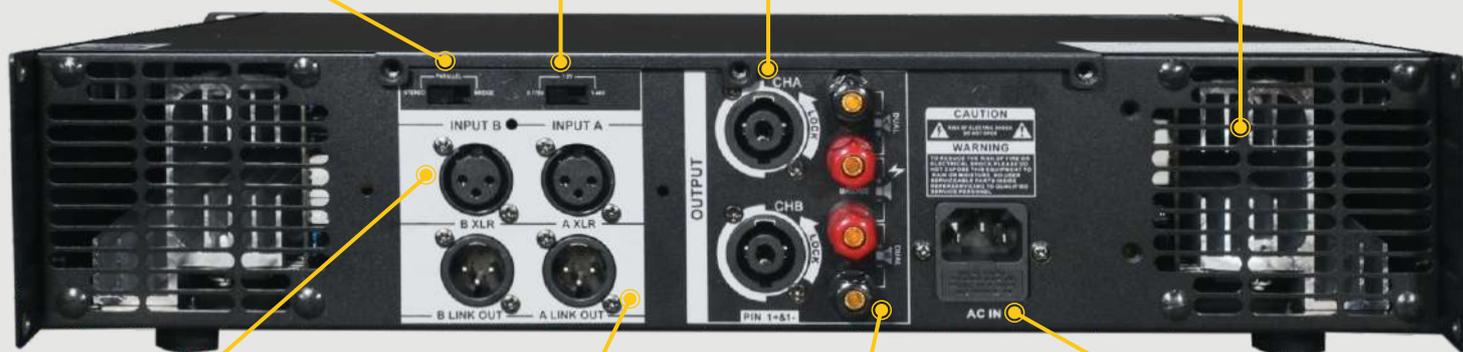
4-Pole Speakon® Output Connectors:

These two connectors accept 2-pole and 4-pole Speakon® connectors. The channel 1 connector is wired for both channels so it can be used for bridge-mono wiring or stereo wiring of two speakers to a single Speakon.

Input Sensitivity:
0.775V / 1.0V / 1.44V

Working Mode:
Stereo/ Bridge/ Parallel

Fan Outlet:
Blowing from the front to the back for heat dissipation, making sure not to block the air inlet.



Input Connector:
Two 3-pin XLR input connectors are provided (one per channel).

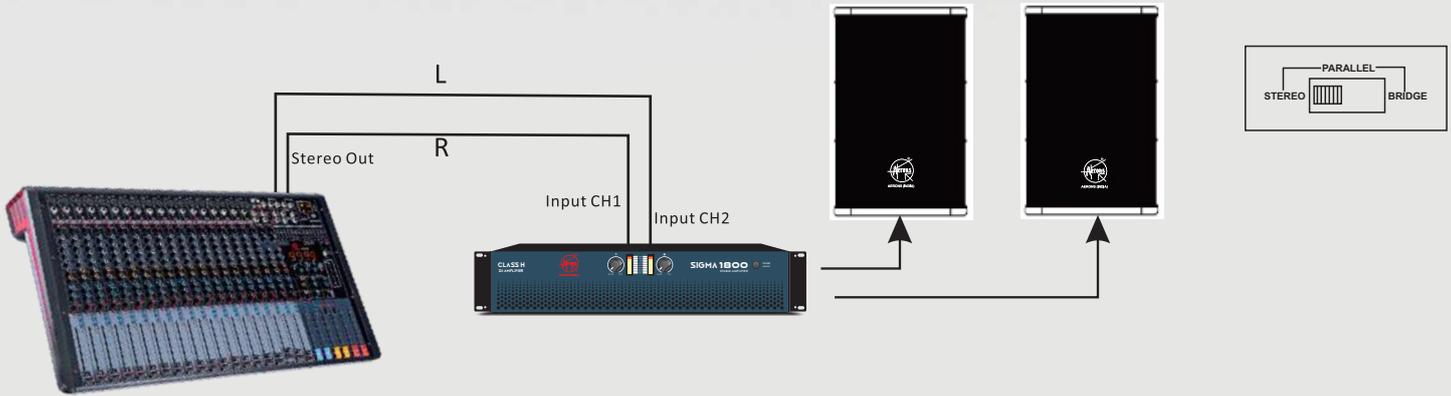
Link/Out Connector:
Two 3-pin XLR output connectors are provided (one per channel) to loop-thru signal from one amplifier to another.

Binding Post Output Jacks:
One pair per channel, accepts banana plugs or bare wire.

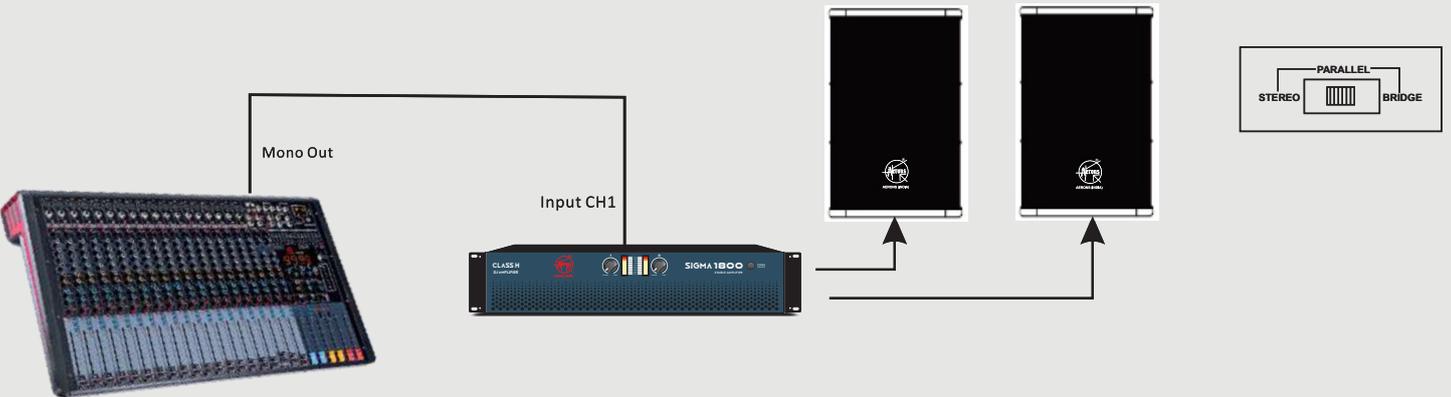
AC Power Connector

MODE OPERATIONS

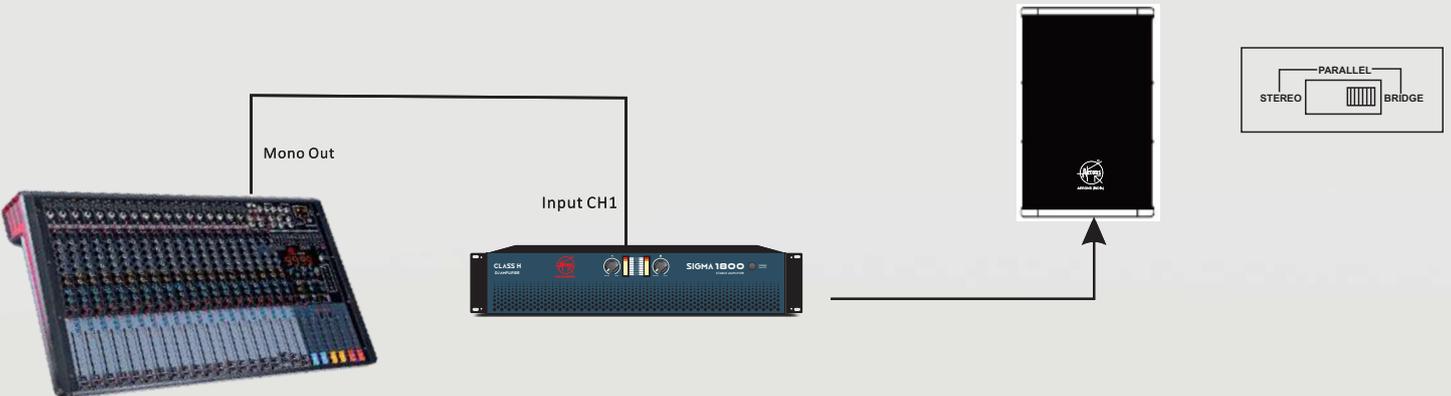
STEREO MODE



PARALLEL MODE



BRIDGE MODE



SPECIFICATIONS

General Information

Rated Power(1 KHz, THD+N≤0.05%)

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

Audio Performance

Frequency Response

SIGMA 1800/2600	20Hz-20kHz (+1/-1dB, 1W)
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S/N ratio

SIGMA 1800/2600	≥ 99dB
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Damping Factor

SIGMA 1800/2600	≥ 500
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Analog Input

Input Impedance

Balanced	20k
Unbalanced	10k

Circuit

SIGMA 1800/2600	Class H
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Input Sensitivity

SIGMA 1800/2600	0.775V/1V/1.44V
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Protection

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

Connectors(each channel)

Input Connectors	3-Pin XLR
Output Connectors	SpeakOn & Binding Post

Mode

SIGMA 1800/2600	Stereo/Parallel/Bridge
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Total Harmonic Distortion (@8ohm, 1kHz)

SIGMA 1800/2600	<0.5%
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Product Dimension(WXHXD)

SIGMA 1800	475x100x395MM
SIGMA 2600	475x100x395MM

Gross Weight

SIGMA 1800	13.4 KG
SIGMA 2600	17.2 KG

Net Weight

SIGMA 1800	11.5 KG
SIGMA 2600	15.5 KG