



Pro Audio  
Germany

# SA - SERIES

[www.4-acoustic.com](http://www.4-acoustic.com)

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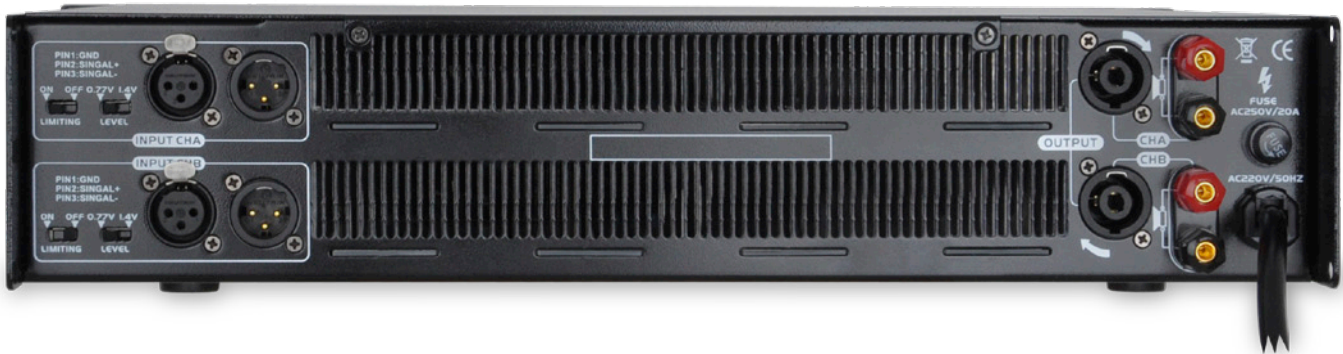
The SA series is our state of art Class H amplifier series which offers a very efficient and stable operation. With its transparent sound, a high dynamic range and low distortion, it is suitable for subwoofers and full range speakers. The housing is a 19" metal case which is 2U high. An innovative cooling system with automatic speed control, low noise fans, it offers a perfect cooling of all components. An integrated VCA Clip Limiter (2CH Models) protects the amplifier to clip and can be switched off at the rear panel. Female input XLR sockets are active balanced and have a link thru to a male socket (2CH Models). The output section contains SPKN sockets and binding posts (2CH Models).



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- Class H amplifier design
- Over 300 Damping Factor
- >102 db Signal to Noise ratio
- 2U high 19" Rack-Housing
- VCA Clip Limiter
- 190V-240V 50-60Hz Operating Voltage



Accessories

SA-SERIES

Order Code	GS1 (EAN) Code	Type
KA-SP2-05	4260318510967	5 Meter Speaker cable 2x2,5qmm
KA-SP2-10	4260318510974	10 Meter Speaker cable 2x2,5qmm
KA-SP2-15	4260318510981	15 Meter Speaker cable 2x2,5qmm
KA-SP2-20	4260318510998	20 Meter Speaker cable 2x2,5qmm



Model Name	SA-2080	SA-2100	SA-2130
GS1 (EAN) CODE	4260318510820	4260318510837	4260318510844
System Type	2-Channel Class H Amplifier	2-Channel Class H Amplifier	2-Channel Class H Amplifier
OUTPUT POWER both channels driven 20Hz - 20 kHz, 0.1 % THD	2 x 1050W @ 4Ohm 2 x 800W @ 8Ohm	2 x 1350W @ 4Ohm 2 x 1000W @ 8Ohm	2 x 1600W @ 4Ohm 2 x 1300W @ 8Ohm
Distortion	< 0,01%	< 0,01%	< 0,01%
Frequency Response @ 10 db below rated Output power	20 Hz - 20 KHz +0.1/-0.3db 5Hz-30KHz @ -2.3db points	20 Hz - 20 KHz +0.1/-0.3db 5Hz-30KHz @ -2.3db points	20 Hz - 20KHz +0.1/-0.3db 5Hz-30KHz @ -2.3db points
Damping Factor 1kHz and below	>310@8Ω	>310@8Ω	>310@8Ω
Signal to Noise 20Hz -20 kHz	>102db	>102db	>102db
Voltage Gain	36db	36db	36db
Input Sensitivity	selectable 0,775V/1,4V	selectable 0,775V/1,4V	selectable 0,775V/1,4V
Front Controls	Power switch, gain control	Power switch, gain control	Power switch, gain control
Rear Controls	Sensitivity 0.775V/1.4V Switch VCA CLIP Limiter	Sensitivity 0.775V/1.4V Switch VCA CLIP Limiter	Sensitivity 0.775V/1.4V Switch VCA CLIP Limiter
Indicators	Power LED, blue Mute LED, red Signal LED, green Clip LED, orange	Power LED, blue Mute LED, red Signal LED, green Clip LED, orange	Power LED, blue Mute LED, red Signal LED, green Clip LED, orange
Input Connectors	XLR Active balanced pin1 gnd/pin 2+/pin3-	XLR Active balanced pin1 gnd / pin 2+ / pin3-	XLR Active balanced pin1 gnd / pin 2+ / pin3-
Output Connectors	4 pol SPKN, Binding posts	4 pol SPKN, Binding posts	4 pol SPKN, Binding posts
Cooling	Continuously Variable speed fan Back-to-front Air flow	Continuously Variable speed fan Back-to-front Air flow	Continuously Variable speed fan Back-to-front Air flow
Protection	Full short circuit, Open circuit, thermal, Ultrasonic, RF Protec- tion. Stable Into reactive or Mismatched loads	Full short circuit, Open circuit, thermal, Ultrasonic, RF Protec- tion. Stable Into reactive or Mismatched loads	Full short circuit, Open circuit, thermal, Ultrasonic, RF Protec- tion. Stable Into reactive or Mismatched loads
Load Protection	On/Off muting DC fault power supply shutdown	On/Off muting DC fault power supply shutdown	On/Off muting DC fault power s upply shutdown
Power Consumption 1/8 power pink noise stereo @ 4 ohm	5A @ 230V	6A @ 230V	7A @ 230V
Operating Voltage	190V-240V 50-60Hz	190V-240V 50-60Hz	190V-240V 50-60Hz
Dimensions (h/w/d)	19"/2U 483*417.5*88mm	19"/2U 483*417.5*88mm	19"/2U 483*417.5*88mm
Net weight	21,0 kg	21,3 kg	22,5 kg



Model Name	SA-4300	SA-4600	SA-4800
GS1 (EAN) CODE	4260318511056	4260318511063	4260318510844
System Type	4-Channel Class H Amplifier	4-Channel Class H Amplifier	4-Channel Class H Amplifier
OUTPUT POWER all channels driven 20Hz - 20 kHz, 0.1 % THD	4 x 450W @ 4Ohm 4 x 300W @ 8Ohm	4 x 700W @ 4Ohm 4 x 600W @ 8Ohm	4 x 900W @ 4Ohm 4 x 800W @ 8Ohm
Distortion	< 0,01%	< 0,01%	< 0,01%
Frequency Response @ 10 db below rated Output power	20 Hz - 20 KHz +0.1/-0.3db 5Hz-30KHz @ -2.3db points	20 Hz - 20 KHz +0.1/-0.3db 5Hz-30KHz @ -2.3db points	20 Hz - 20KHz +0.1/-0.3db 5HZ-30KHz @ -2.3db points
Damping Factor 1kHz and below	>310@8Ω	>310@8Ω	>310@8Ω
Signal to Noise 20Hz - 20 kHz	>102db	>102db	>102db
Voltage Gain	36db	36db	36db
Input Sensitivity	0,775V	0,775V	0,775V
Front Controls	Power switch, gain control	Power switch, gain control	Power switch, gain control
Rear Controls	Link Switch	Link Switch	Link Switch
Indicators	Power LED, blue Mute LED, red Signal LED, green Clip LED, orange	Power LED, blue Mute LED, red Signal LED, green Clip LED, orange	Power LED, blue Mute LED, red Signal LED, green Clip LED, orange
Input Connectors	XLR Active balanced pin1 gnd/pin 2+/pin3-	XLR Active balanced pin1 gnd / pin 2+ / pin3-	XLR Active balanced pin1 gnd / pin 2+ / pin3-
Output Connectors	4 pol SPKN	4 pol SPKN	4 pol SPKN
Cooling	Continuously Variable speed fan Back-to-front Air flow	Continuously Variable speed fan Back-to-front Air flow	Continuously Variable speed fan Back-to-front Air flow
Protection	Full short circuit, Open circuit, thermal, Ultrasonic, RF Protec- tion. Stable Into reactive or Mismatched loads	Full short circuit, Open circuit, thermal, Ultrasonic, RF Protec- tion. Stable Into reactive or Mismatched loads	Full short circuit, Open circuit, thermal, Ultrasonic, RF Protec- tion. Stable Into reactive or Mismatched loads
Load Protection	On/Off muting DC fault power supply shutdown	On/Off muting DC fault power supply shutdown	On/Off muting DC fault power s upply shutdown
Power Consumption 1/8 power pink noise stereo @ 4 ohm	6A @ 230V	7A @ 230V	8A @ 230V
Operating Voltage	190V-240V 50-60Hz	190V-240V 50-60Hz	190V-240V 50-60Hz
Dimensions (h/w/d)	19"/2U 483*417.5*88mm	19"/2U 483*417.5*88mm	19"/2U 483*417.5*88mm
Net weight	22,0 kg	22,3 kg	22,4 kg





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- 2U high 19" Rack-Housing
- 4 Channel design
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**Pro Audio**  
Germany

**INLINE Marketing GmbH**

Bunsenstrasse 32

59229 Ahlen, Germany

Tel. +49 2382 7087-0

Fax +49 2382 7087-25

E-Mail [sales@4-acoustic.com](mailto:sales@4-acoustic.com)

Web [www.4-acoustic.com](http://www.4-acoustic.com)