4 acoustic

Pro Audio
Germany

ST - SERIES

www.4-acoustic.com

The ST series is our new class D amplifier series which offers a very efficient and stable operation. The housing is a 2U 19“ metal case. This state of art amplifier design satisfies with a transparent sound, a high dynamic range and low distortions. This amps are suitable for subwoofers and full range speakers as well as line array setups. The innovative cooling system with automatic, speed controlled, low noise fans, offers a perfect cooling of all components. An integrated Clip Limiter protects the amplifier and speaker from unwanted clipping distortions. Female input XLR sockets are active balanced and have a link through to a male socket. The output section contains Neutrik NL4 sockets and binding posts for the 2CH models.

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- High stability Class D amplifier
- Damping Factor >450:1
- Signal to Noise ratio >102dB
- 2U high 19“ Rack-Housing
- Clip Limiter
- Original Neutrik Sockets

GERMAN Pro Audio Engineering

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Speci-
fication

ST-Series

Model Name	ST-4200	ST-4400	ST-6400
GS1 (EAN) CODE	4260318511469	4260318511476	4260318511483
System Type	2-Channel Class D Amplifier	4-Channel Class D Amplifier	4-Channel Class D Amplifier
Output Power all channels driven 20Hz - 20 kHz, 0.1 % THD	2 x 4000W @ 2Ohm 2 x 3000W @ 4Ohm 2 x 2000W @ 8Ohm	4 x 2000W @ 2Ohm 4 x 1500W @ 4Ohm 4 x 1000W @ 8Ohm	4 x 3000W @ 2Ohm 4 x 2250W @ 4Ohm 4 x 1500W @ 8Ohm
Output Power Bridge mode	2 x 8000W @ 4Ohm 2 x 6000W @ 8Ohm	2 x 4000W @ 4Ohm 2 x 3000W @ 8Ohm	2 x 6000W @ 4Ohm 2 x 4500W @ 8Ohm
THD+N @ 8Ω 1kHz,1dB	≤0.06%	≤0.06%	≤0.06%
Slew Rate	>60v/µs	>60v/µs	>60v/µs
Frequency Response @1Watt, 8Ohm	10Hz -34kHz / ±0.3dB	10Hz -34kHz / ±0.3dB	10Hz -34kHz / ±0.3dB
Damping Factor (1kHz and below)	>450:1	>450:1	>450:1
Signal to Noise Ratio 20Hz -20 kHz	>100dBA	>100dBA	>100dBA
Channel Separation Crosstalk@1kHz	>70dB	>70dB	>70dB
Voltage Gain	46dB (0,775V:153V)	43dB (0,775V:108V)	45dB (0,775V:134V)
Input Sensitivity	selectable 0.775V/1V/1.5V/2V	selectable 0.775V/1V/1.5V/2V	selectable 0.775V/1V/1.5V/2V
Input Impedance	30k Ohm Balanced 15k Ohm Unbalanced	30k Ohm Balanced 15k Ohm Unbalanced	30k Ohm Balanced 15k Ohm Unbalanced
Front Control	Power switch, Gain control	Power switch, Gain control	Power switch, Gain control
Rear Control	Sensitivity Switch, Mode Switch	Sensitivity Switch, Mode Switch	Sensitivity Switch, Mode Switch
LED Indicators	Signal -30dB / -10dB, green Signal -4dB, yellow Clip, orange Protect, red power, green Bridge, yellow	Signal -30dB / -10dB, green Signal -4dB, yellow Clip, orange Protect, red power, green Bridge, yellow	Signal -30dB / -10dB, green Signal -4dB, yellow Clip, orange Protect, red power, green Bridge, yellow
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	2 Neutrik NL4 Sockets	4 Neutrik NL4 Sockets	4 Neutrik NL4 Sockets
Cooling	Continuously Variable speed fan	Continuously Variable speed fan	Continuously Variable speed fan
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 Supply shutdown
Operating Voltage	220V (+/- 10%) 50-60Hz	220V (+/- 10%) 50-60Hz	220V (+/- 10%) 50-60Hz
Fuse	T-25A	T-20A	T-25A
Dimensions (h/w/d)	19"/2U 483W x 451D x 88H	19"/2U 483W x 470D x 88H	19"/2U 483W x 470D x 88H
Net weight	22,5 kg	23,0 kg	25,5 kg

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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
Web www.4-acoustic.com