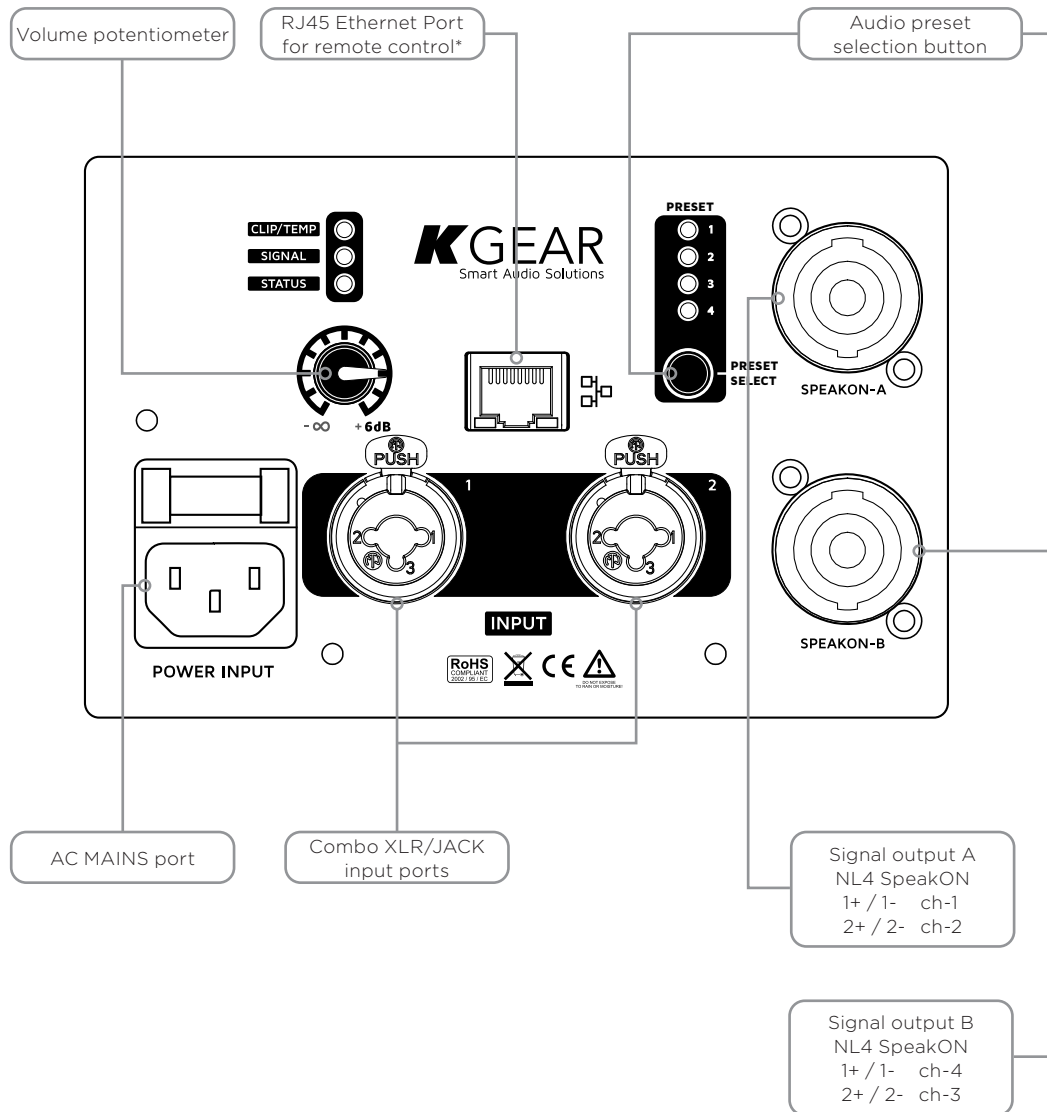# GA43

750 W 4-ch Switching Mode Power Amplifier With DSP

Compact 4-ch high efficiency switching mode Class D amplifier featuring Powersoft DSP and amp module. The built-in DSP provides fine tuning and remote control capabilities through the Armonía™ control software.

Designed for high performance applications both for rental and permanent installations such as touring, large auditoriums, stadiums, theme parks and clubs. Thanks to the modular design, 3 amplifier elements can fit into 2 rack units with a dedicated adapter.

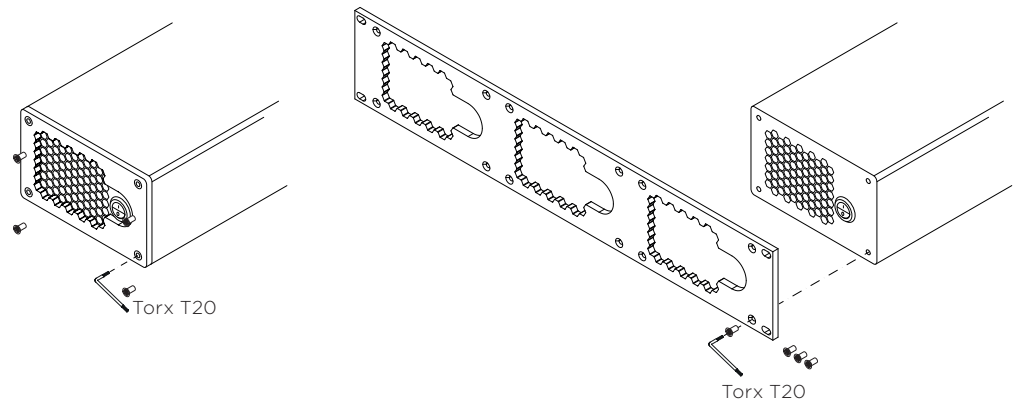| General	
Type	4-ch Class D power amplifier
Output power	4x 750 W_{peak} @ 4 Ω Suitable for 70 V lines
Minimum impedance	4 Ω
Frequency response	20 Hz - 20 kHz
Input connectors	2x Combo XLR-Jack balanced
Output connectors	2x NL4 SpeakON
DSP features	Remote control and tuning Input and Output Delay Parametric input EQ Output parametric filters
Connectors	RJ45 for remote control 2x Combo XLR Input 2x SpeakON Output 1x PowerCon True AC MAINS
Controls	Volume potentiometer Preset selector Remote control through Powersoft ArmoniaPlus Software
Protections	Thermal Protections (Power limiting - Thermal Shutdown), Short-circuit/overload output protections, stationary high frequency protection, peak limiter, RMS limiter, frequency dependent RMS limiter, Clip limiter
Power Consumption	250W Rated Load (1/8 Max Output Power)
Operating Voltage	90-240V AC, 50-60 Hz
Dimensions (WxHxD)	145 x 90 x 418 mm (5.7 x 3.54 x 16.5 in)
Weight	3,6 kg (7.94 lb)
Material	Stainless steel
Color	Black

Rear panel

Volume potentiometer

RJ45 Ethernet Port for remote control*

Audio preset selection button

CLIP/TEMP
SIGNAL
STATUS

K GEAR
Smart Audio Solutions

PRESET
1
2
3
4

PRESET SELECT

SPEAKON-A

- ∞   + 6dB

PUSH
1

PUSH
2

INPUT

SPEAKON-B

POWER INPUT

RoHS COMPLIANT 2002 / 95 / EC   CE

AC MAINS port

Combo XLR/JACK input ports

Signal output A
NL4 SpeakON
1+ / 1-   ch-1
2+ / 2-   ch-2

Signal output B
NL4 SpeakON
1+ / 1-   ch-4
2+ / 2-   ch-3

Preset and Remote Control

#	Preset Name
1	FLAT
2	4xHPF150Hz
3	4xLPF150Hz
4	2xHPF150Hz+2xLPF150Hz
Default	FLAT

*ArmoníaPlus is the software for fine tuning and monitoring the GP18A loudspeakers system. Download ArmoníaPlus from Powersoft website:
https://www.powersoft.com/en/software/armoniaplus-2-0

Armonia-Plus
System Design

Rack Mount Accessory

Torx T20

Torx T20

Output Wirings

SpeakON NL4 connector

1–   1+
Spk1+
Spk1–

2+   2–

Spk2+
Spk2–

Speaker 1

Speaker 2

Spk1+
Spk1–

1–   1+

SpeakON NL4 connector

2+   2–

Spk2+
Spk2–

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