

## GS12A - GS18A - GS218A

Active subwoofer with DSP on board





The KGEAR active subwoofers family comprises three heavy duty 12", 18" and 2x 18" high excursion transducers: GS12A, GS18A and GS218A respectively.

Equipped with Powersoft™ DSP and power module with Ethernet remote control and Armonia™ control software, GS12A, GS18A and GS218A can be coupled with GH4, GF82, GH12 and GH412 passive loudspeakers and to passive subwoofers, thanks to dedicated recalling presets. They have also High-Pass filters @ 130Hz for matching with other speakers from KGEAR families.

This resistant rugged subwoofers are designed for high performance indoor applications, installations, touring and rentals, in live events, clubs, auditorium, stadium, and theme parks.

# GS12A

## 12" Active subwoofer with 4x750W @ 4Ω Class D amplifier **Built-in DSP**

Type Powered Subwoofer  Transducers  12° ferrite magnet woofer  Frequency Response¹ 37 Hz − 150 Hz (-6 dB)  Max SPL² 122 dB (peak)  Coverage Omni  Amp Module 4-channel Class-D  Output Power 4x 750 W @ 4 Ω  Operating Voltage 100-240V AC, 50-60 Hz  Power Consumption 375W Rated Load, (1/8 Max Output Power)  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  Dimensions (WxHxD) 410 x 445 x 430 mm (16.1 x 17.5 x 17 in)  Weight 20 kg (44,09 lb)  With dedicated preset.	Technical specifications	
Transducers  12" ferrite magnet woofer  Frequency Response 1 37 Hz - 150 Hz (-6 dB)  Max SPL 2 122 dB (peak)  Coverage  Omni  Amp Module  4-channel Class-D  Output Power  4x 750 W @ 4 \( \O \)  Operating Voltage  100-240V AC, 50-60 Hz  Power Consumption  375W Rated Load, (1/8 Max Output Power)  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  Dimensions (WxHxD)  410 x 445 x 430 mm (16.1 x 17.5 x 17 in)  Weight  20 kg (44,09 lb)		
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2x SpeakON Output 1x PowerConTrue AC MAINS  Controls  Volume potentiometer Preset selector Remote control through Powersoft ArmoniaPlus  Dimensions (WxHxD) 410 x 445 x 430 mm (16.1 x 17.5 x 17 in)  Weight 20 kg (44,09 lb)		
1x PowerConTrue AC MAINS  Controls  Volume potentiometer  Preset selector  Remote control through Powersoft ArmoniaPlus  Dimensions (WxHxD)  410 x 445 x 430 mm (16.1 x 17.5 x 17 in)  Weight 20 kg (44,09 lb)		
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	Weight	
With dedicated preset.	20 kg (44,09 lb)	
	With dedicated preset.	

suiting both permanent <sup>2</sup> Maximum SPL is calculated using a signal with crest factor 4 (12dB) measured at 1 m.

## GS18A

### 18" Active subwoofer with 4x1500W @ 4Ω Class D amplifier **Built-in DSP**

Туре	
Powered Subwoo	fer
Transducers	
18" ferrite magne	wooter
Frequency Response 1 35 Hz – 150 Hz (-6	dB)
Max SPI 2	db)
132 dB (peak)	
Coverage	
Omni	
Amp Module	
4-channel Class-	D
Output Power	
4x 1500 W @ 4 Ω	
Operating Voltage	
100-240V AC, 50-	60 Hz
Power Consumption	(1/O May Output Days)
DSP Features	, (1/8 Max Output Power)
Remote control a	ad tuning
Input and Output	3
Parametric input	
Output parametr	
Connectors	<del></del>
RJ45 for remote of	ontrol
2x Combo XLR Ing	out
2x SpeakON Outp	ut
1x PowerCon True	AC MAINS
Controls	
Volume potention	neter
Preset selector	
Remote control t	nrough Powersoft ArmoniaPlus
Dimensions (WxHxD)	
$5/.5 \times 610 \times 600 \text{ m}$	m (21.46 x 24.03 x 23.6 in)

# **GS218A**

## 2x 18" Active subwoofer with Class D amplifier 4x1500W @ 4Ω Built-in DSP

Technical specifications
Type Powered Subwoofer
Transducers 2x 18" ferrite magnet woofer
Frequency Response <sup>1</sup> 35 Hz – 150 Hz (-6 dB)
Max SPL <sup>2</sup> 138 dB (peak)
Coverage Omni
Amp Module 4-channel Class-D
Output Power $4x1500W$ @ $4\Omega$
Operating Voltage 100-240V AC, 50-60 Hz
Power Consumption 500W Rated Load, (1/8 Max Output Power)
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 PowerConTrue ACMAINS
Controls Volume potentiometer Preset selector Remote control through Powersoft ArmoniaPlus
Dimensions (WxHxD) 1035 x 614 x 600 mm (40.75 x 24.17 x 23.6 in)
Weight 59 kg (130 lb)

.20230919



2 Maximum SPL is calculated using a signal with crest factor 4 (12dB) measured at 1 m.

2 Maximum SPL is calculated using a signal with crest factor 4 (12dB) measured at 1 m.

1 With dedicated preset.



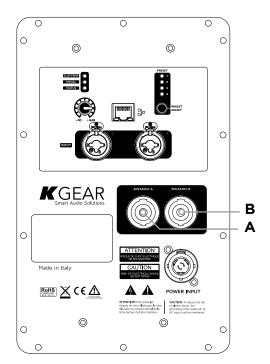
#### GS12A - GS18A - GS218A

Any KGEAR active subwoofers can control a passive satellites and a passive subwoofer connected to SpeakOn A (wired 2+ 2-) and to SpeakOn B 1+ 1- respectively

To match the correct output via Armonia software choose output channel 1 / 4 for satellites and output channel 2 / 3 for passive subwoofer.

Dedicated preset to match passive subwoofers and passive speakers or satellites are listed in the tables to the right.

More information about system configuration can be found on GPZA or GPXA user guide documentations.







\*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

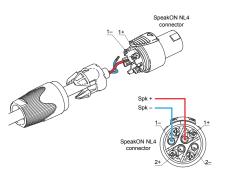
Connector	Terminals	Transducer
SpeakON A	+1 -1	satellites
	+2 -2	subwoofers
	+1 -1	satellites
SpeakON B	+2 -2	subwoofers

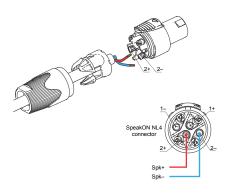
## Presets on board

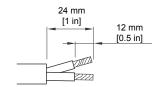
#	Preset Name
1	GS12 + GH4 (locked)
2	GS12 + GF82 (locked)
3	GS12 + GF162 (locked)
4	GS12 + Hi Pass @ 130Hz Editable preset by the user

#	Preset Name
1	GS18 + GH4 (locked)
2	GS18 + GH12 (locked)
3	GS18 + GF162 (locked)
4	GS18 + Hi Pass @ 130Hz Editable preset by the user

#	Preset Name
1	G2S18 + GH4 (locked)
2	G2S18 + GH12 (locked)
3	G2S18 + GH412 (locked)
4	G2S18 + Hi Pass @ 130Hz Editable preset by the user







# **Mechanical Drawings**

