

# GS6 6" Passive / Active 4 Ω Subwoofer

The GS6 is a 6" passive subwoofer designed for indoor applications in permanent installations for retail shops, restaurants, hotels, bars and residential spaces.

Designed to match our GF22 and GF82 loudspeakers as a low frequency extension device, the GS6 features a symmetrical load circuit that allows to be connected directly to most standard loudspeakers such as the GF series.

The GS6A active subwoofer is equipped with an on-board amplifier to easily drive any speaker from the GF family without the need of an external amplifier module.

GS6 and GSA, thanks to a built-in low-pass filter, do not require any additional EQ or DSP and can be connected to the same line as the satellites with no hassle!



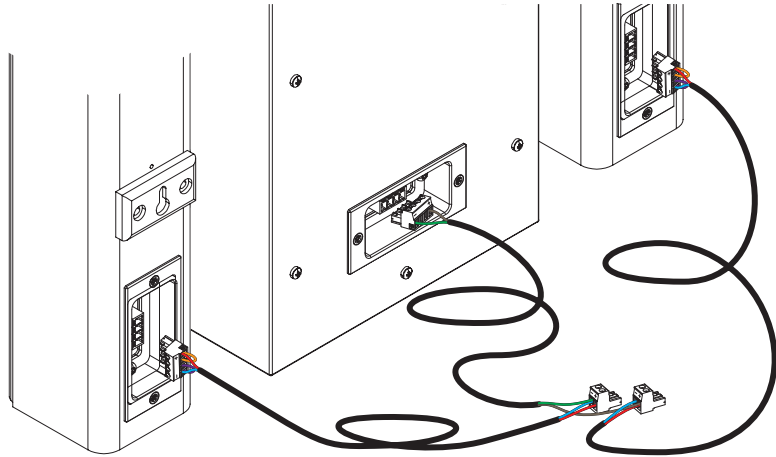
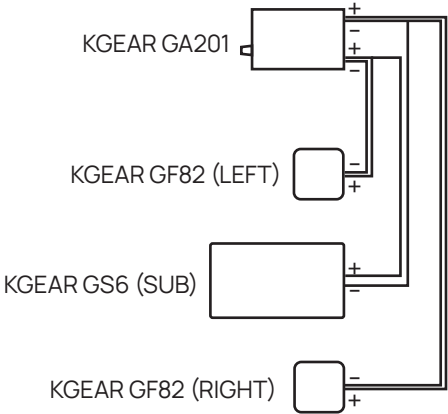
Frequent Applications	
Retail	Cafes, Bistros & Restaurants
Hotels & Resorts	Fitness & Wellness

General	
Type	Passive subwoofer
Transducers	6" ferrite woofer
Frequency Response	50 Hz - 140 kHz (-10 dB)
Max SPL <sup>1</sup>	108 dB (peak)
Power Handling	120 W
Nominal Impedance	4 Ω
Coverage	OMNI

Suggested amplifiers	
GA201	up to 4 pcs/ch @ 8Ω

Handling & Finishes	
Dimensions (WxHxD)	170 x 310 x 310 mm (6,7 x 12,2 x 12,2 in)
Weight	3,2 kg (7 lb)
Material	Birch Plywood
Color	Black

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



# GS6A





## GS6A - Rear Panel

GS6A features 2 x Phoenix connectors (4-pin Euroblock 1,5/ 4-ST-3,81) with:

- INPUTS:
- 1x balanced line input - (mono)
  - DC power input (DC+, DC-)
  - 1x mute contact (normally open) - more information about mute wiring and connections can be found in the GH4A rear panel section in the next pages.

- OUTPUTS:
- 1x power outputs to connect another KGEAR speaker or passive subwoofer driven by the built-in amplifier module, 4 Ω minimum load.

- CONTROLS:
- 1x auto ON/OFF switch with selectable thresholds
- The dip switch controls the auto-standby mode of the speaker and can be set to 3 different thresholds - see the Dip switch modes section.

GS6A - Wiring			
	Connector 1		Connector 2
PIN 1	POWER OUT -		GND
PIN 2	POWER OUT +		LINE -
PIN 3	- DC POWER IN		LINE +
PIN 4	+ DC POWER IN		MUTE CONTACT





It is possible to use the G-AL120 power supply accessory to provide power to the internal amplifier module. The amplifier module is able to drive up to 1x GF22 (50W - 16 Ω) With a minimum load of 2 Ω, the amplifier module is capable of delivering a power of 100 W with a maximum consumption of 6.5 A (Irms).

## G6SA - Mute contact

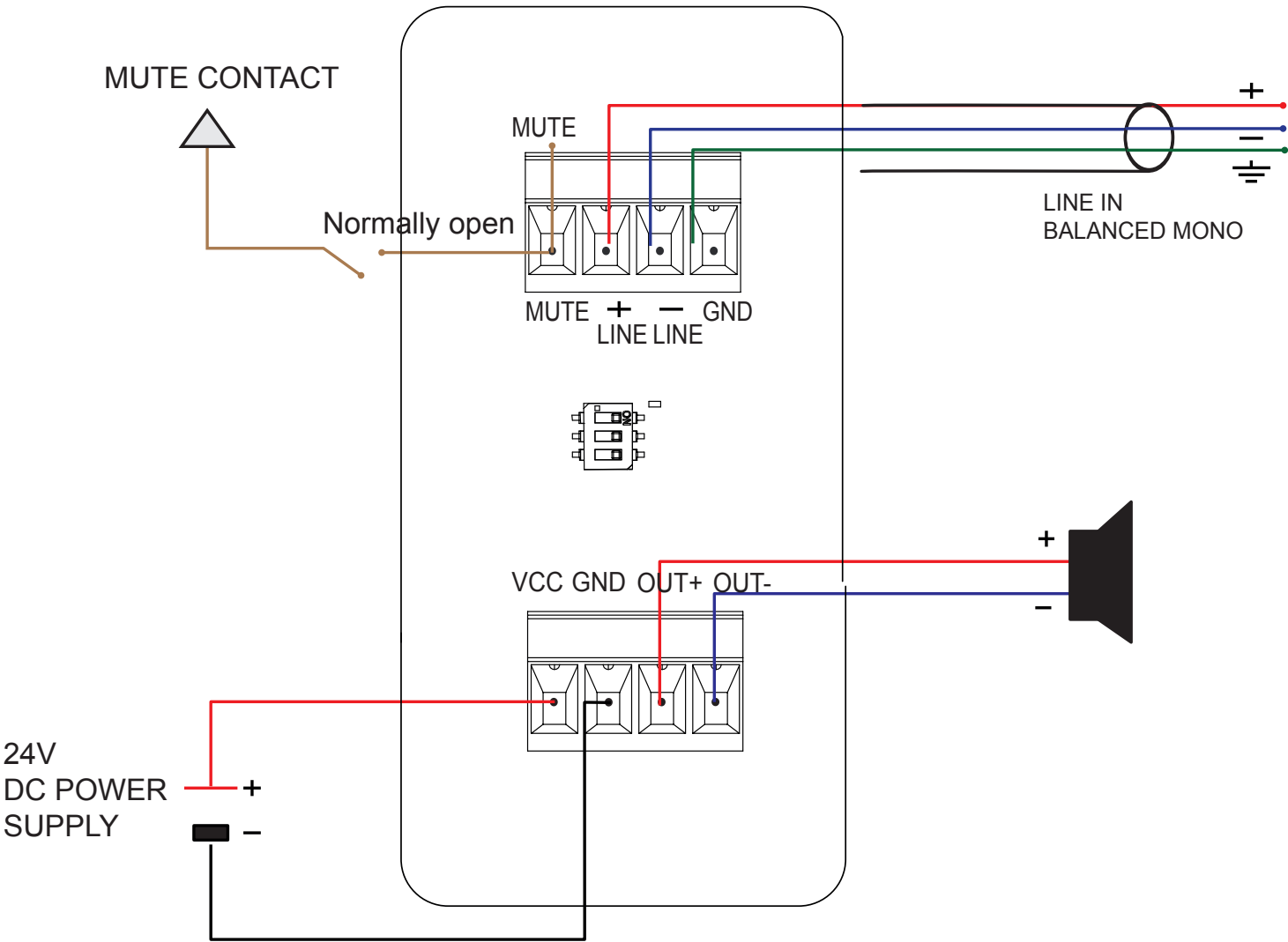
It is possible to connect an external switch to the Mute contact input to close the circuit down and switch the speaker off. For any other connection, power output and balanced input connections, please follow the scheme below.

## DIP Switch modes

The table below illustrates three different modes along with their corresponding input signal threshold values, which can be used to configure the ON/OFF switch.

ON/OFF SWITCH MODES			
MODES		Thresholds Values	Description
NO THRESHOLDS		/	
HIGH THRESHOLDS LOW + MID + HGH		-42 dBu	The amplifier switches on only after a stronger signal has passed the chosen threshold. This mode is useful to avoid noisy signal to enter the circuit
MEDIUM LOW+MID ON		-46 dBu	This mode requires the input signal to be stable and exceed the minimum threshold for an extended period to keep the speaker switched on.
LOW THRESHOLDS LOW ON		-52 dBu	The amplifier module switches ON immediately when the signal is higher than this minimum threshold, this mode is useful when a quick response is needed.

GS6A - Wiring



# Mechanical Drawings

## GS6

