

**MOONWALK SERVICE**



## **DOCUMENTAZIONE**

### **Moonwalk Service**

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la presente documentazione viene resa disponibile presso il sito  
[www.noleggio-audio-luci.it](http://www.noleggio-audio-luci.it) e [www.moonwalkgroup.com](http://www.moonwalkgroup.com) per  
scopi puramente informativi. Vi invitiamo a visitare i siti  
dei produttori per consultare le ultime edizioni disponibili.



## PRODUCT OVERVIEW

The GC400 is a professional dual channel compressor/noise gate that can be operated as 4 separate processors or independantly linked for stereo applications. In Link mode, Gate/Compressor 1 provide Master control and 'rms summing' is used throughout to ensure that signals from both the linked channels affect compression or gating equally.

The compressor sections have fully variable controls for Threshold, Ratio, Release and Gain. Compression slope can be switched between Hard or Soft knee and Attack/Release can be fully Auto or program dependant Attack with manually adjustable Release. Each channel also has a sidechain insert jack.

Gain Reduction is displayed via an 8 segment LED bargraph.

The gate sections have variable controls for Filter Frequency, Threshold and Release. Range is switchable to provide either full muting or more subtle signal attenuation. Attack can be selected between Fast or Slow and Release is manually adjustable. High and Low pass sidechain filters are included and can be used for a wide range of frequency conscious gating applications.

Led indicators are provided for Above/Below Threshold, External Key, Bypass and Link.

All inputs and outputs are electronically balanced and can be switched between +4dBu and -10dBV operating levels.

## SPECIFICATIONS

### ELECTRICAL

Frequency response:	20Hz to 20kHz (+0, -0.5dB)
Input Impedance:	20k balanced
Maximum Input Level:	+20dBu
Input-Output Level:	+4dBu or -10dBV switched
Output Impedance:	75R balanced
Load Impedance:	> 600R
Max. Output Level:	+20dBu

THD:	< 0.05% (1kHz, +4dBu)
Signal to Noise Ratio:	> 90dB gate > 85dB compressor > +4dBu out, 22Hz- 22kHz

### COMPRESSOR:

Threshold:	-40dB to +20dB
Ratio:	1:1 to >20:1
Knee:	Hard or Soft knee
Attack:	Auto or program dependant
Release:	Auto or manual 40mS to 4S
Gain:	+20dB to -20dB

### GATE:

Threshold:	-50dB to -20dB
Range:	-80dB or -20dB switched
Attack:	Fast: <input type="checkbox"/> 50uS Slow: <input type="checkbox"/> 1mS
Release:	10mS to 4S variable
High Pass Filter:	22Hz to 3kHz variable
Low Pass Filter:	250Hz to 30kHz variable

Power Requirement:	15VA, 115/230V AC, 50/60Hz
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### PHYSICAL

Input Connectors:	XLR 3 pin (Pin 2 hot)
Output Connectors:	XLR 3 pin (Pin 2 hot)
Power Connection:	IEC 3 pin socket, Detachable lead

Dimensions (mm):	482 (19") W
<input type="checkbox"/>	164 (6.5") D
<input type="checkbox"/>	44 (1.75") H - 1U

Weight: <input type="checkbox"/>	2.9 kg, 6lbs
Shipping Weight: <input type="checkbox"/>	3.6kg, 8lbs

Temperature Range:	Operating 0°C to 50°C
<input type="checkbox"/>	Storage -30°C to 75°C

## ARCHITECTS & ENGINEERS SPECIFICATIONS

The GC400 shall be a 1U unit providing 2 channels of Auto Compression and Frequency Conscious noise gating. The Compressor and Gate channels can be linked for stereo operation with Channel one providing master control.

Each compressor section shall have fully variable Threshold, Ratio, Release and Gain. Attack shall be switched between Auto Attack/Release and program dependant Attack with manually adjustable Release.

Gain reduction will be displayed on an 8 segment bargraph. Bypass and Link switches shall have led indicators.

In keeping with our policy of continuous improvement LA Audio reserves the right to alter specifications without prior notice. Manufactured in the UK by LA Audio, 40 Chigwell Lane, Loughton, Essex, IG10 3NY, UK.

Tel: +44 (0)208 418 0778. FAX: +44 (0)208 418 0624. Web: [www.laaudio.co.uk](http://www.laaudio.co.uk). email: [sales@laaudio.co.uk](mailto:sales@laaudio.co.uk)

### ARCHITECTS & ENGINEERS SPECIFICATIONS

Each gate section shall have fully variable Threshold, Release, Hi-pass and Low-pass sidechain filters. Attack shall be switched between Fast and Slow modes with manually adjustable Release.

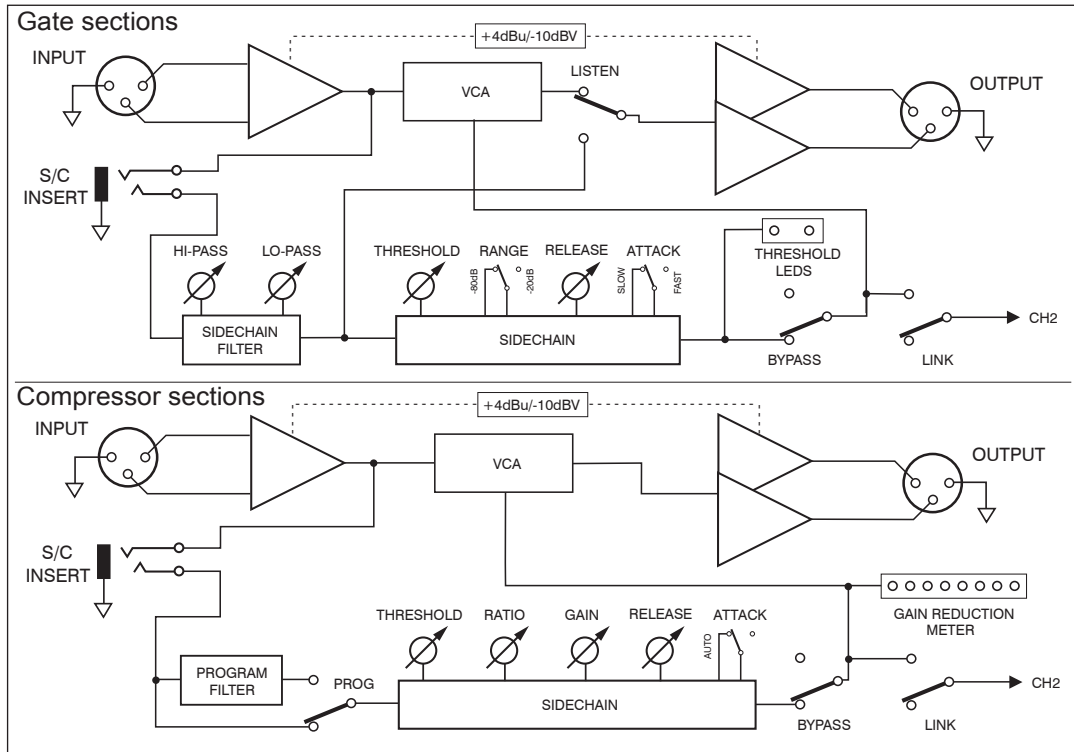
The sidechain shall include a Listen mode so the Filters can be tuned by ear.

Above and Below threshold leds shall be provided to give a visual indication of gate operation. Bypass and Link switches shall have led indicators.

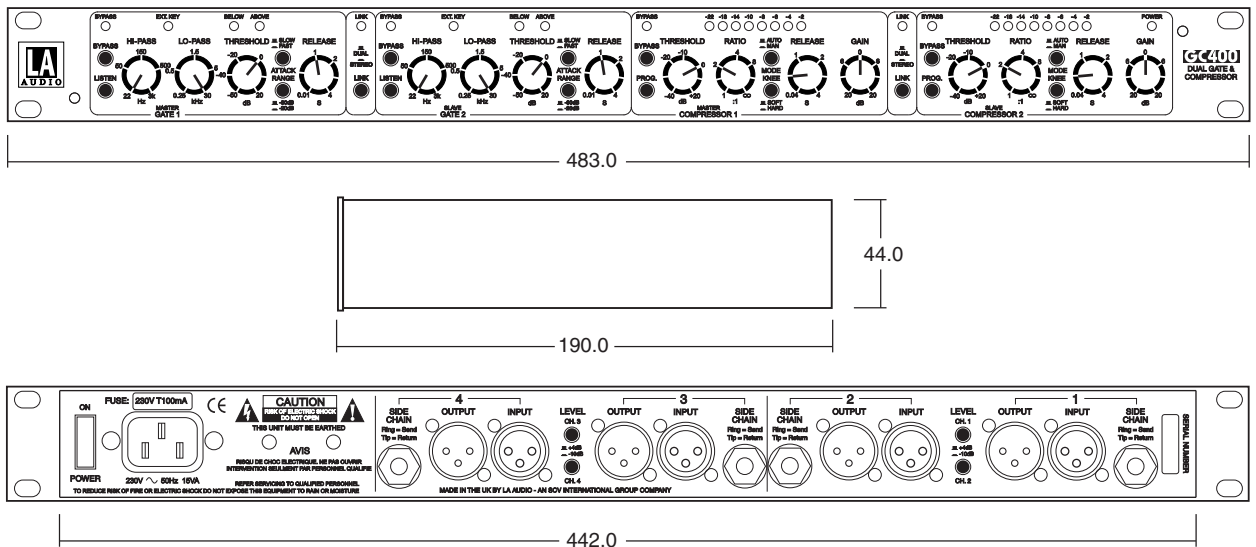
All inputs and outputs shall be balanced on XLR connectors and operating levels shall be switchable between +4dBu and -10dBV. Each channel shall have a Side Chain insert point on TRS jack.

The Compressor - Gate shall be constructed in accordance with the directives encompassed within the 'CE' regulations and so marked. The Compressor - Gate shall be the LA Audio GC400.

### BLOCK DIAGRAM



### DIMENSIONS



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