

C400

4 Channel Auto Compressor

British
Originals

PRODUCT OVERVIEW

The C400 is a professional 4 channel compressor that can be operated as 4 separate processors or linked as two independent stereo pairs. In Link mode, Channel 1 and 3 provide Master control and 'rms summing' is used to ensure that signals from both the linked channels affect compression equally.

Each channel has fully variable controls for Threshold, Ratio, Release and Gain. The compression slope can be switched between Hard or Soft knee, with Hard knee providing tight control of compression Ratio and Soft knee a more progressive style of compression.

Two Attack/Release modes are available; Auto (program dependant) Attack/Release or Auto Attack with manually adjustable Release. A low frequency Program filter can be switched into the sidechain to reduce the effects of bass heavy material causing over compression. Each channel also has a sidechain insert jack.

Gain Reduction is displayed on an 8 segment LED bargraph. The Bypass and Link switches also have led indicators.

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

SPECIFICATIONS

ELECTRICAL

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| Frequency response: | 20Hz to 20kHz (+0, -0.5dB) |
| Input Impedance: | 20k balanced |
| Maximum Input Level: | +20dBu |
| Input-Output Level: | +4dBu or -10dBV |
| Output Impedance: | 100R balanced |
| Load Impedance: | > 600R |
| Max. Output Level: | +20dBu |
| THD: | < 0.05% (1kHz, +4dBu) |
| Signal to Noise Ratio: | > 90dB +4dBu out, 22Hz- 22kHz |
| Threshold: | -40dB to +20dB |
| Ratio: | 1:1 to >20:1 |

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|-----------------|-----------------------------|
| Knee: | Hard or Soft knee |
| Attack: | Auto - program dependant |
| Release: | 40ms to 4s |
| Program Filter: | -6dB @ 100Hz |
| Gain: | -20dB to +20dB |

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

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

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| Dimensions (mm): | 482 (19") W 190 (7.5") D 44 (1.75") H - 1U |
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| Weight: | 2.9 kg, 6lbs |
| Shipping Weight: | 3.6kg, 8lbs |

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| Temperature Range: | Operating 0°C to 50°C Storage -30°C to 75°C |
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ARCHITECTS & ENGINEERS SPECIFICATIONS

The C400 shall be a 1U unit providing 4 channels of Soft or Hard knee, Auto Compression. Channels 1&2 and 3&4 can be linked for stereo operation with Channels 1 and 3 providing master control.

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

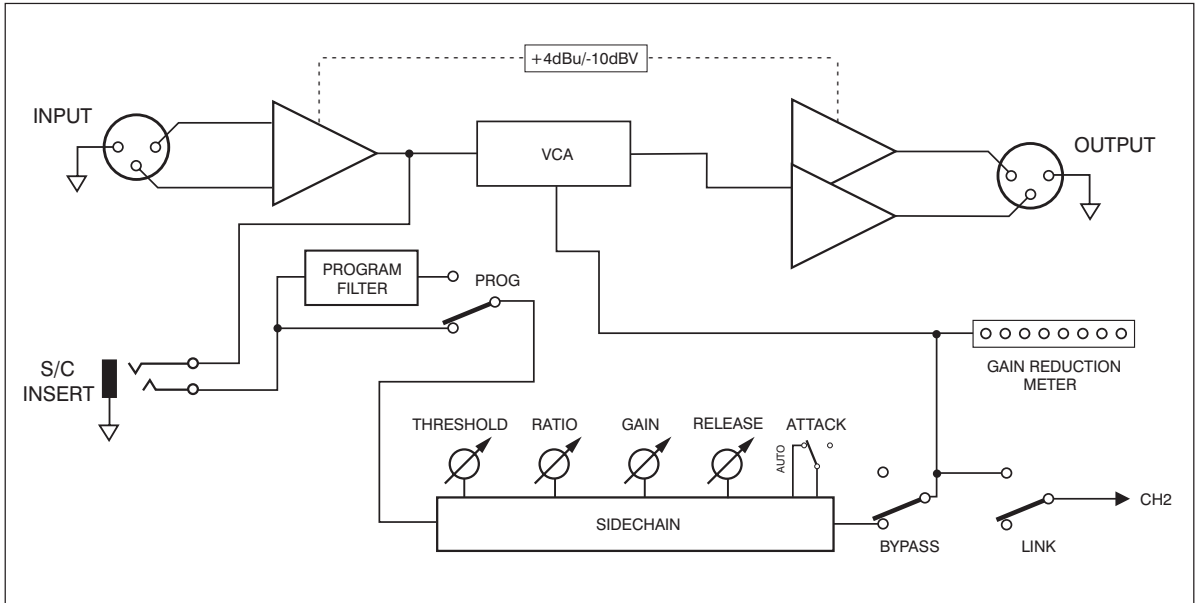
Gain reduction will be displayed on an 8 segment bargraph. Bypass and Link switches shall have led indicators.

Inputs and Outputs shall be balanced on XLR connectors and operating levels shall be switched between +4dBu and -10dBV. Each channel shall have a Side Chain insert point on TRS jack.

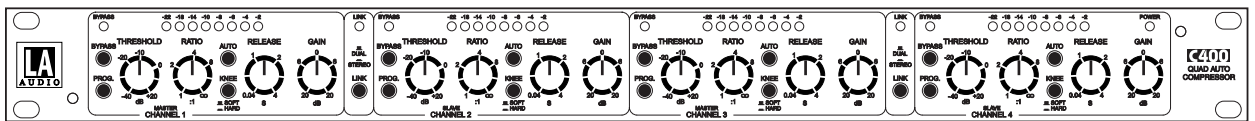
The Compressor shall be constructed in accordance with the directives encompassed within the 'CE' regulations and so marked. The Compressor shall be the LA Audio C400.

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.
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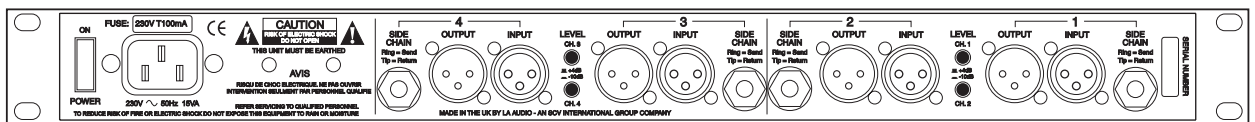
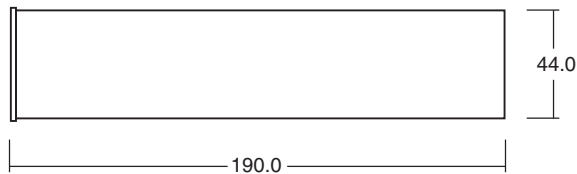
BLOCK DIAGRAM



DIMENSIONS



483.0



442.0