

STEREO COMPRESSOR

doubling desirability and authenticity



LCA 2B

The TUBE-TECH LCA 2B is a tube based two-channel unit featuring an independent compressor and limiter per channel.

Product Description

The TUBE-TECH LCA 2B is a two-channel unit with an independent compressor and limiter per channel. The unit is all tube based (except for the power supply and side chain circuit). The VCA (1 dual triode) is placed between the input transformer and the output stage (2 dual triodes).

The audio signal is picked up after the VCA and fed to the side chain circuit. The control signal from the compressor and from the limiter is combined and sent to the link switch and to the control amp, which feeds the VCA. The two bi-directional link busses are accessible at two 1/4"

stereo jack sockets on the rear panel. The channels can be linked together for stereo applications and also linked to other LCA 2B's via the two link busses and a standard stereo jack/jack cord.

The compressor has six attack/release presets as well as manual control. The limiter attack/release is fixed. The LED display is fed from the control amp. The limiter LED is fed from the limiter buffer. The audio path is fully symmetrical from input to output. Input and output have fully floating transformers. All DC voltages are stabilized, except the anode voltage for the output stage.

Product Features

Compressor

- ▶ Variable ratio from 1,6:1 to 20:1
- ▶ Variable threshold: off to 10 dBu
- ▶ Selection between six presets and manual controlled att/rel

Limiter

- ▶ Variable threshold: off to 0 dBu
- ▶ On/off switch
- ▶ LED indication

General

- ▶ Separate compressor and limiter
- ▶ Output gain control
- ▶ LED display for gain reduction
- ▶ Frequency response @ -3 dB: 5 Hz to 50 Khz
- ▶ Low noise: < -85 dBu @ 10 dB gain
- ▶ Conductive plastic potentiometers
- ▶ Clickless bypass relay

LCA 2B *technical specifications*



Impedance

Input:	> 5 kohm
Output:	< 60 ohm

Frequency response @ -3 dB: 5 Hz to 50 kHz

Distortion THD+N @ 40 Hz

0 dBu	< 0,15 %
+10 dBu	< 0,15 %
Max. output:	+26 dBu < 1 %
Max. input:	+21 dBu < 1 %

Noise Rg=200 ohm

Output Gain @	OdB	+10 dB
22 Hz-22 kHz:	< -85 dBu	< -80 dBu
CCIR-468-4:	< -78 dBu	< -73 dBu

Cross talk @ 20 Hz - 20 kHz: < -70 dB

CMRR @ 10 kHz: < -60 dB

Gain -6 dB to +10 dB

Compressor

Ratio:	1,6:1 to 20:1
Threshold:	off to -10 dBu
Attack:	0,3 ms to 70 ms
Release:	0,07 ms to 2 s

Limiter

Ratio:	20:1
Threshold:	off to 0 dBu
Attack:	0,8 ms
Release:	0,5 s

Tubes

ECC 81	2 pcs
ECC 82	2 pcs
ECC 83	2 pcs

Dimensions

Height: 2 units	88 mm	3,5"
Width:	483 mm	19,0"
Depth:	205 mm	8,1"

Weight

Net:	6,5 kg	14,3 lbs.
Shipping:	7,8 kg	17,2 lbs.

Power requirements

@ 115 V/230 V, 50-60 Hz:	30-45 W
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Notes

All specifications @ RL=600 ohm
Lydkraft reserves the right to alter specifications without prior notice

Dealer