



Livio Argentinì



# LIVIO ARGENTINI

## LA-117 'STUDIO DMI EDITION'

### MODULAR MASTERING EQUALIZER

The LA-117 'STUDIO DMI EDITION' is an Advanced Modular Stereo Multiband Equalizer and Mid/Side Processor especially designed for mastering and mixing use, result of collaboration between **Livio Argentinì** and **Luca Pretolesi**, one of the most acclaimed sound engineers in the world. Special analog design techniques have been used to obtain a precise control of the sound structure down to the minimum details.

The LA-117 features HI and LO cut filters and a 5 bands parametric equalizer section + high and low BAX filters.

Each channel of the LA-117 is equipped with 7 modules, three families of modules are available: stepped control, continuous control modules and custom modules.

Inside of LA-117 there are two different equalizers, the first section is a *Baxandall* type and the second section is a special 5 band parametric unit that includes innovative *SOLO Band* function.

The first module on the left of each channel must be an input module, the second module is a **BAX** equalizer plus the parametric core and the other 5 modules are the parametric control.

The **BAX** section can be set three crossover frequency for LO and HI end. In contrast to the other types of parametric equalizers, the LA-117 is realized on a parallel configuration path, based on a special innovative technology designed by **Livio Argentinì**, this ensures a very linear frequency response, low distortion, noise and particularly low phase rotation.

LA-117 can do the swap between **BAX** and Parametric.

The interaction of these different equalizers submits the LA-117 for any range of acoustic correction.

The extreme large audio bandwidth granted an extreme transient response and an extreme natural sound unique into the audio market.

The very simple (instrumental type) electronic balanced amplifier, without transformers and servo amplifier, allows a perfect square wave response and absolutely transparent sound.

The insertion of a **MID-SIDE** matrix, suggest by Luca Pretolesi, and the external insert capability, turns the LA-117 in a complex audio Hub.

The special modular construction allows an extreme quick servicing, easy customization for any musical requirements.



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## TECHNICAL FEATURES

Input (EQ / Insert)	Electronically balanced Impedance 10 Kohm Normal Level +4 dBu, Max +28 dBu
Output (EQ / Insert)	Electronically balanced Impedance 600 Kohm Normal Level +4dBu, Max +28 dBu
Bandwidth	4Hz to 300kHz 0/-1dB, perfect square wave up to 50 KHz
Distortion + Noise	<0.005% (typical 0.001 %)

## MECHANICAL

Construction	19" 4U rack mount metal box
Number of Modules	14+4
Dimensions	W 483 mm / 19", H 178 mm / 7", D 320 mm / 12.6"
Weight	6 Kg
Contacts	Doubled gold plated

## POWER

Linear Regulator	(Toroidal Transformer)
Operating Voltage	220V 50 Hz / 110V 60 Hz
Power Consumption	40 W
Voltage Output	± 18 VDC 400 mA, 24 VDC 400 mA,

## CONNECTORS

Audio	XLR type
AC mains	IEC C13 16 A,