

Product Guide

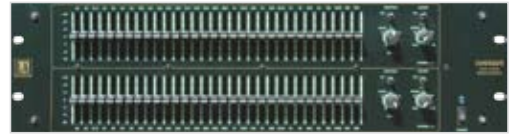


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MEET YOUR MAKER.

LA Audio has been manufacturing the best of British professional signal processors and accessories for sound reinforcement, fixed installation and studio applications since 1978.

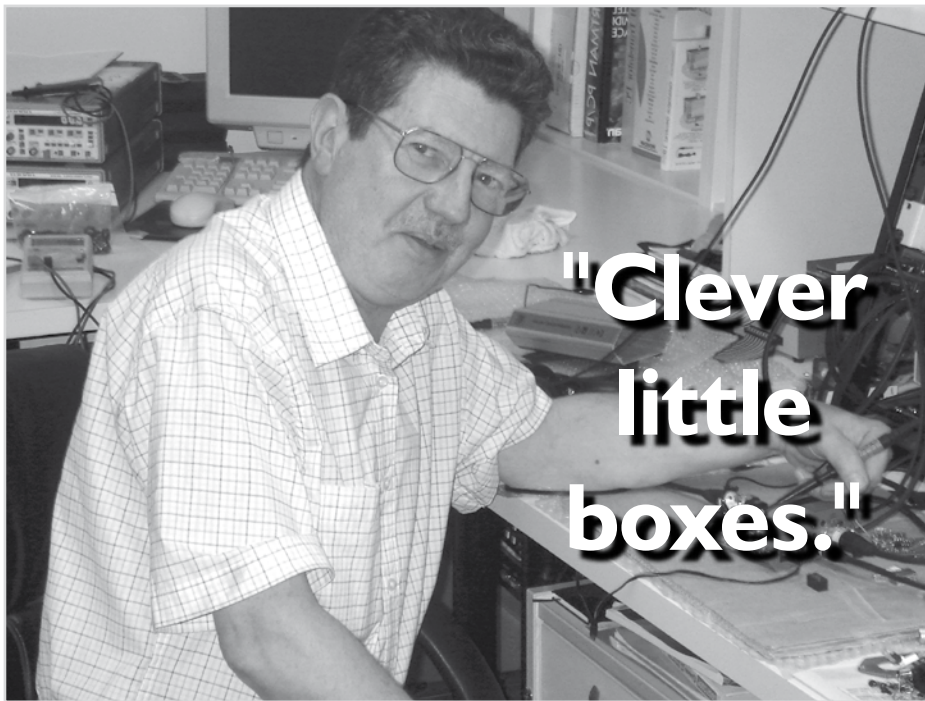
We are committed to providing simple, elegant and robust solutions for almost every audio scenario. Outstanding sound quality, intuitive use and reliable long-term performance are all

part of the LA Audio package. The LA Audio range brings fresh thinking to every application; adding functionality, reducing complexity and optimising sound quality throughout.

From our headquarters in rural Hampshire, England, our compact team of designers, production staff, and salespeople work tirelessly with little but the local sheep population for company. Located conveniently on a single site, various activities from research and development to picking and packing take



**"Sound
quality is
our first
principle."**



noise and distortion, with the most intuitive user interface possible.”

JC began his working life as a musician after Mastering in Physics at Faculté Des Sciences de Reims. He started his design career in the musical instrument world, working with Tom Oberheim on the design of Oberheim synthesizers in the 1980s. After working on numerous studio design projects, JC joined SCV in Paris in 1997 to create the digital research team which

place within sight of each other. Everyone at LA Audio has a sense of the bigger picture and takes pride in producing the best of British products. Together with our team of international distributors, we offer support and service to our customers across the globe.

Originally a division of SCV London, LA Audio has had a long and varied history over a period of over 25 years with sales now in over 40 countries. Our product range has been developed and refined over this time to provide a comprehensive collection of simple solutions, clever tools and trusty audio accessories.


The two designers pioneering LA Audio's development are Steve Buchanan and Jean-Claude Lecocq (JC).

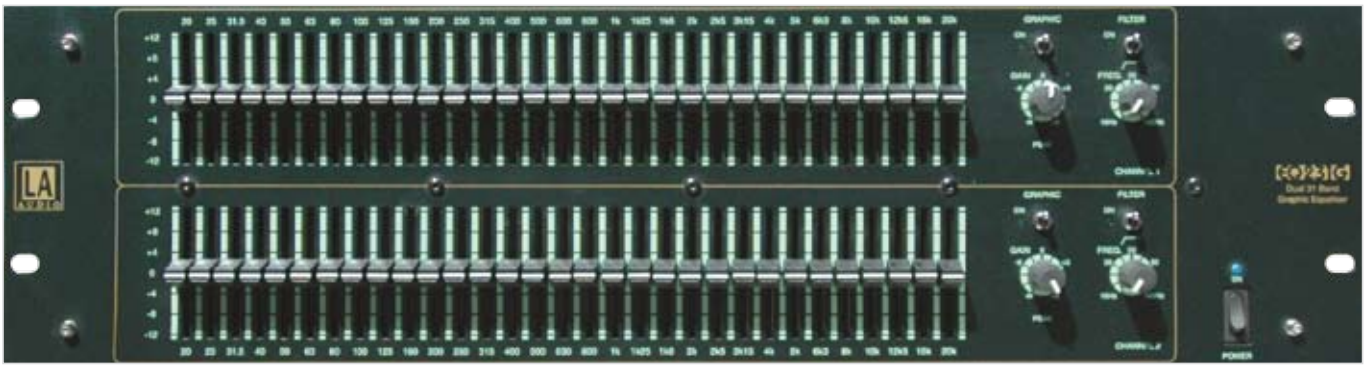
“Sound quality is our first principle,” says Buchanan, whose 30 years in the industry began at Richardson Electronics before moving to Soundcraft to join the team who designed the 760 tape machine. Steve then moved on to Saturn Research to help develop the Saturn 824 and 624 multitracks before joining SCV Electronics. “All of our products are designed to deliver maximum headroom, minimum

produced the renowned DigEQ processor. “This was a very bold move at the time. We had to invent certain technologies to produce such a ground-breaking product.” More recently, JC has worked to develop Can-D, the headphone delay unit which he describes as another of LA Audio's "Clever little boxes."

But years of experience and expert skills won't get you very far without the largest part of any development team: the users. Only with our customers can we continue to develop and produce inventive and exciting pro audio equipment with an acute understanding of the needs of the modern engineer, musician and installer.

Please take the time to browse this brochure. We are all immensely proud of each and every product here. We hope that soon you'll join the ranks of generations of professional musicians, engineers and venues who choose LA Audio.

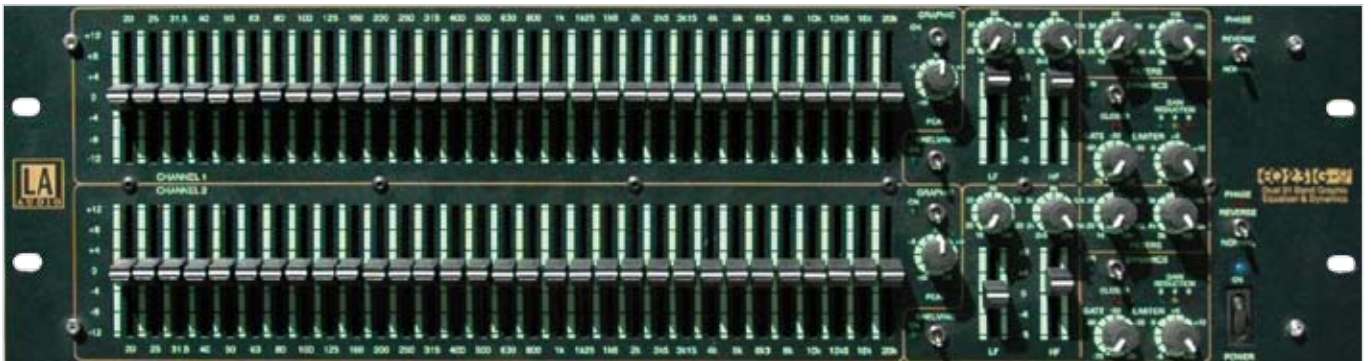
The  Team



EQ23 I G

31 Band Graphic Equaliser

- High definition, 45mm faders
- ± 12 dB cut/boost without switching
- Variable High Pass filter 16-160Hz
- High visibility legend
- Balanced inputs and outputs
- Balancing Transformer option with distortion cancellation circuitry
- Soft start with power off audio bypass



EQ23 I G-SP

Graphic Equaliser with Dynamics

- High definition, long throw faders
- Variable High and Low Pass Filters
- Variable Frequency High and Low Shelving EQ
- Limiter and Noise Gate
- Separate Bypass on all processors
- Individual Polarity Reverse on each channel
- Optional transformer balanced outputs
- Soft start with power off audio bypass



MPX 10

Mic Channel

- Ultra low noise Mic Preamp with +48V and Phase Reverse
- High Pass Filter and DI input
- Expander Noise Reduction
- Auto compressor with De-esser
- 4 Band EQ with sweepable mids and variable Q
- -10dB or +4dB operation on balanced XLRs and jacks



MS-424

4x4 Active Mic Splitter

- Unity gain structure with excellent line driving ability
- Transformer balanced outputs with distortion cancellation circuitry
- Accepts microphone or line levels with Pad switch
- Phantom Power on each channel
- Internal linking for multiple feeds
- Internal PSU

The Ins And Outs Of Transformer Balancing

LA Audio microphone splitters employ transformer balancing circuitry on all of their outputs as standard. The high quality transformers used make them ideal in busy stage or broadcast environments, as external noise and RF interference are firmly rejected. This also improves their ability to drive long cable runs without degradation. Their unique design eliminates problems traditionally associated with low frequency response, delivering consistent performance across the spectrum.

The transparency of MS series splitters is further enhanced by their unity-gain design. By maintaining signal level from input to receiving device, the introduction of noise is minimised and the signal can pass through uncoloured by any unnecessary gain stages.



MS-1224

12x4 Active Mic Splitter System

- 12 channels, each with 1 direct link and 4 transformer balanced outputs
- Unity gain structure with excellent line driving ability
- Headphone monitor bus with dynamics enhancement and limiting
- Multicore wiring option
- Flexibility of I/O connector mounting
- Accepts microphone or line levels with Pad switch
- Phantom Power on each channel
- Separate Earth Lift for each group of outputs
- External PSU for up to 4 units with backup PSU option



BCL-20

Compressor/ Limiter

- Dual channel or stereo link operation
- Variable Threshold, Ratio, Attack and Release
- Variable Peak/RMS sidechain detection
- Ultra fast 1ms peak limiting
- Switchable Input/Output and Peak/VU metering
- Transformer balanced output with distortion cancellation circuitry
- XLR I/O connections and sidechain inserts



C400

Quad Compressor

- 4 channel or dual stereo operation
- Variable Threshold, Ratio, Release and Gain
- Hard/Soft Knee Compression
- Auto Attack/Release or Program Dependant Attack with adjustable Release.
- Sidechain insert per channel
- 8 segment Gain Reduction meter
- All inputs and outputs are electronically balanced
- +4dBu and -10dBV operating levels



G400

Quad Gate

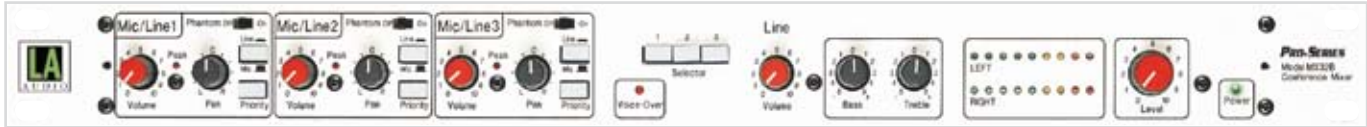
- 4 channel or dual stereo operation
- Variable Filter Frequency, Threshold and Release
- Range is switchable between -80dBu and -20dBu
- Fast or Slow attack modes
- High and Low Pass sidechain filters
- Sidechain Listen facility
- Sidechain insert
- External Key jack



GCX20

Dual Comp/Gate

- Two Compressors with variable Threshold, Ratio & Gain
- Switchable Fast/Slow Auto mode for Attack & Release
- Two Gates with Auto Attack and variable Threshold & Release
- Individual processor Bypass
- Balanced connections on XLR and 1/4" TRS jacks
- -10dBV or +4dBu operation



MX32B

Conference Mixer

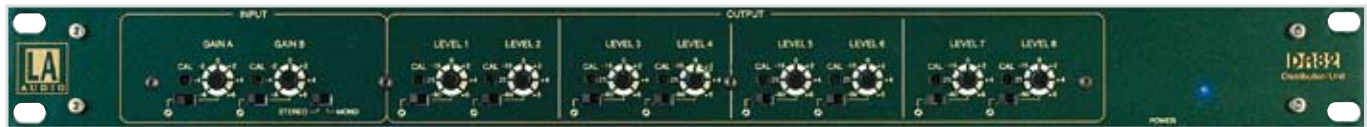
- Three switchable Mic/Line inputs with Phantom Power
- Switchable priority on all Mic/Line inputs for automatic voice-over
- Pan control on Mic/Line inputs
- Three selectable AV sources with optional video switching
- 2 band Equalisation
- Balanced main output plus record output



SPX20

Stereo Source Selector

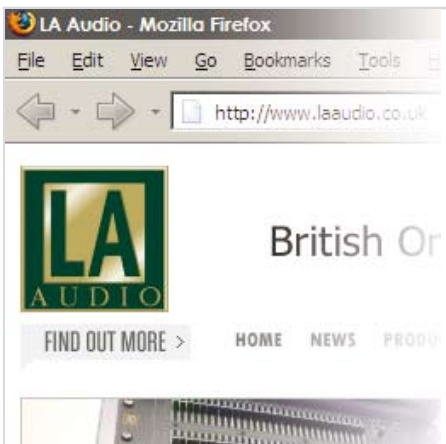
- 1 stereo channel balanced XLRs with front panel input jacks
- 2 stereo channels balanced jacks and 3 channels unbalanced RCA
- Individual input level trims
- Sources can be selected or mixed
- 2 Balanced stereo outputs on jacks with individual level control
- Record output on RCA
- Front panel headphone output
- Master Balance control, Dim and Mono switches.



DA82

Distribution Amplifier

- 1 into 8 mono or 2 into 8 stereo distribution
- Two inputs and 8 outputs
- Electronically balanced I/O on XLRs
- Mono/Stereo Operation
- Levels can be set by calibration trimmers or front panel knobs



The LA Audio website is a comprehensive resource of information about the company and our products.

You'll find full descriptions of each product in the range including downloadable manuals, data sheets and high resolution images.

Get details of our distributor in your area, or contact us directly with any questions you may have. We're happy to help.

www.laaudio.co.uk

DI2

Active DI Box

- Pad for speaker input
- Ground Lift switch
- Battery or phantom powered
- Excellent line driving ability
- +20dB gain for low level signals
- Balanced output on XLR and unbalanced on jack
- High impedance 1M Ω input with link socket



DBT PLUS

Transformer Balancing Interface

- Ground Lift switch
- Input connections for XLR, Jack or RCA
- Dual 600 Ω transformer balancing interface
- High quality low distortion transformer balancing



CAN-D

Headphone Delay

- Internal PSU
- Stereo delay - up to 678ms
- Unity gain structure
- Suitable for line level delay, e.g. for powered speakers



PC-90

Absolute Phase Checking System

- New design on a classic product
- Consists of separate generator and receiver unit
- Generates special wide-band pulse
- Transmits by internal speaker or XLR line output
- Receives by internal or external microphone or line input
- Hot pin selector switch and variable line level
- Units couple together





AES-D2

AES/EBU Channel Divider

- Selects and swaps AES/EBU channels
- Channel A, B, B+A or A+B output selection
- 96kHz compatible

AES-SPD

AES/EBU - S/PDIF Converter

- Transformer balanced AES/EBU input and outputs
- S/PDIF input and outputs on RCA (coaxial) and TOS-link (optical) connectors
- Convert in either direction
- 96kHz compatible

CLK-C4

Word Clock - Super Clock Converter

- Clock input on BNC connector with 75Ω termination switch
- LED indicators for 'Lock' and source type
- Four buffered outputs on BNC connectors

CLK-G4

Word Clock Generator

- Available frequencies: 44.1, 48, 88.2, and 96kHz
- Four buffered clock outputs on BNC connectors
- Word Clock/Super Clock selection in pairs

AES-S3

3 Way AES/EBU Splitter Box

- Transformer balanced AES/EBU input
- 3 transformer balanced AES/EBU outputs
- 96kHz compatible

SPD-S4

4 Way S/PDIF Splitter Box

- S/PDIF inputs on RCA and TOS-link connectors
- Four buffered coax outputs
- Three TOS-link outputs
- 96kHz compatible

CLK-D4

4 Way Clock Distribution Box

- Clock input on BNC connector
- 75Ω input termination switch
- Four buffered clock outputs on BNC connectors
- 96kHz compatible

The DigiBox series' clock devices offer a high quality, economical way of generating, distributing and converting Word Clock and Super Clock signals in a music only environment. Tucked out of sight, in a live setup, or thrown in your toolbox 'just in case', DigiBoxes are robust solutions for any environment, providing low jitter, stable clock signals with ease.

