

# PROCESSORS

May be analogue or digital, silver or blue, mounted on a rack or put on a studio mixing desk, ▲LTO processors are always recognizable by the professional results in treating the sound. A wide range of products has been designed to satisfy all requirements and needs in processing, controlling, shaping and managing the most complete variety of sound sources.

Every ▲LTO Processor means Music, Passion, Design.

**MAXIDRIVE SERIES**

**DIGAN SERIES**

**DIGITAL EFFECTS**

**PREAMPLIFIERS**

**DYNAMIC PROCESSORS**

**EQUALIZERS**

**X-OVERS**

**OTHER AUDIO TOOLS**



# PROCESSORS



## MAXIDRIVE SERIES

▲LTO's MAXIDRIVE SERIES come with digital input and an RS 232 port for PC communication. MAXIDRIVE2.3 can be a 2 - way stereo crossover, a 3 or 4 - way mono crossover or a distribution mixer with up to 4 outputs. MAXIDRIVE2.3 also has the following control functions with professional multi - amplification systems and with sophisticated algorithms. The MAXIDRIVE3.4 can be configured as a 3 - way stereo crossover, 3, 4, 5 or 6 - way mono crossover or a distribution mixer with up to 6 outputs. The 3.4 units also feature a flash memory card so the user can store all his custom settings and reload them on other units or keep a large number of data available at hand on different cards. These units also feature an unprecedented 117dB S / N ratio thanks to the use of sophisticated DAC. A sophisticated software editor(s) for MAXIDRIVE3.4 is available for download at: [www.altoproaudio.com](http://www.altoproaudio.com)

- Polarity reverse and 5° phase adjustment steps allows each output phase rotation up to 360° degrees
- Bessel, Butterworth and Linkwitz / Riley Crossover filters up to 48dB / oct
- A / D and D / A converters for a 117dB dynamic range
- Each input and output with parametric EQs
- Stereo digital input in AES / EBU format for MAXIDRIVE3.4 only
- MIDI interface for the remote control
- Switching power supply
- Noise gate for each input and limiter for each output
- Dimensions (WxDxH): 483 x 300 x 44mm (19"x11.8"x1.7")
- Weight: 4kg (8.8 lb)

### MAXIDRIVE2.3+ 2 - Way Stereo - 3 / 4 - Way Mono Digital Crossover & Sound Management System

- Delay lines up to 2,621ms for each input and up to 291ms for each output
- 32 user presets for personal setups



### MAXIDRIVE3.4+ 3 - Way Stereo - 3 / 4 / 5 / 6 - Way Mono Digital Crossover & Sound Management System

- Delay lines up to 2.5s for each input and up to 300ms for each output
- 128 user presets and 128 card presets by large memory capacity
- Memory card slot for storage of additional presets and transferring data



### MAXIDRIVE3.4 PC PC Controlled, 3 - Way Stereo Crossover 3 / 4 / 5 / 6 - Way Mono Crossover or Distribution Mixer

- Bessel, Butterworth, Linkwitz / Riley Crossover filters up to 48dB per octave
- Each input and output features digital limiting and five parametric EQ's
- 10 user presets and RS 232
- PC - based Sound Management unit
- Versatile and PC - dependent stereo unit



### MAXIDRIVE3.4 COMPACT 3 - Way Stereo Crossover or 3 / 4 / 5 / 6 - Way Mono Crossover or Distribution Mixer

- A / D and D / A converters for 117dB dynamic range
- 10 factory presets and 64 user presets in large memory capacity
- switching power supply
- MIDI for remote control



# PROCESSORS

## DIGAN SERIES

Finally a complete line of digital equalizers you can employ as you would as your traditional analogue EQs. Simply activate the band you want to operate and create your own sounds. You can see the result of your changes on the LED display of the DIGAN equalizer instantly. So what makes our DIGAN equalizers unique? The convenience of a USB port and the availability of a user friendly Windows PC Editor. With the DIGAN SERIES you can edit your mix from your laptop and save your settings in one of the many resident memory cells. DIGAN models also include a powerful dynamic processor with editable memory via PC. A sophisticated software editor(s) for this series is available for download at: [www.altoproaudio.com](http://www.altoproaudio.com)

### DIGAN 2.7 2 x 7 Band Digital Equalizer

The DIGAN 2.7 is the most versatile digital EQ ever made in a half - rack chassis! Our ▲LTO Engineers designed a 100 dB Codec for increased dynamic range and optimal signal to noise ratio. The Digan 2.7 can be a 7 - band stereo equalizer, a 7 - band stereo parametric equalizer and a powerful dynamic processor all at the same time. The user interface is intuitive, immediate and utilizes a USB interface which also provides editing capabilities. All DIGAN 2.7 parameters are editable via PC through a user friendly computer interface.

- Dimensions (WxDxH): 210 x 150 x 44mm (8.3"x5.9"x1.7")
- Weight: 1.2kg (2.6 lb)



USB PORT



### DIGAN 2.14 2 x 14 Band Digital Equalizer

With the same flexibility of Digan 2.7 but in a single high version, the 2.14 utilizes 14x 14 bands of EQ in a graphic or parametric configuration. It also has a 14 - band stereo graphic equalizer, a 14 - band stereo parametric equalizer. With hundreds of LEDs on the front panel, the 2.14 shows you the graphic curve of the factory presets (or user presets) in real time for easy monitoring. The DIGAN 2.14 is the ideal companion in a home or project studio as well as for live and installed sound environments.

- Dimensions (WxDxH): 433 x 150 x 44mm (17"x5.9"x1.7")
- Weight: 2.1kg (4.6 lb)



### DIGAN 2.30 2 x 30 Band Digital Equalizer

With 30 + 30 bands, 1 / 3 of octave graphic EQ and powerful Windows PC Editor with digital output the DIGAN 2.30 is extremely useful. It is our top of the line digital graphic equalizer boasting 30 bands per channel! It comes with several useful factory presets which can be modified by the user to create new presets (via the front panel) or using the USB interface (on the back panel) to connect the unit to a PC. High - pass and low - pass filters are also available with gain control of 6 or 12 dB. With the DIGAN 2.30 we have even included a stereo delay with a maximum delay time of 255ms. And to make the DIGAN 2.30 even more versatile we included SPDIF digital output for hard disc interfacing.

- Dimensions (WxDxH): 433 x 150 x 44mm (17"x5.9"x1.7")
- Weight: 2.1kg (4.6 lb)



PC software



# PROCESSORS

## DIGITAL EFFECTS

### TOPVerb 40 Bit Digital Effects Module

The TOPVerb is a unique desktop multieffect design with 24 - bit digital conversion resolution and state - of - the - art algorithms. With a more compact size and some common features with the  $\alpha$  Verb it also includes reverb, chorus, flange, delay and various combinations of each. The ideal companion for a small PA system, rehearsal room, home studio or mobile PC recording environment.

- 16 effect programs with 16 variations each (total of 256 effects)
- Easy - to - use, affordable processing
- High - quality Philips 20 - bit A / D and D / A converters
- Hall, rooms, plates, vocal, multi - effect and 16 variations of each
- Bypass footswitch input
- Stereo inputs and outputs (also supports mono operation)
- Frequency response: 20Hz - 20kHz
- Dimensions (WxDxH): 175 x 130 x 42mm (6.9"x5.1"x1.7")
- Weight: 0.6kg (1.3 lb)



### $\alpha$ Verb II 40 Bit Digital Effects Module

The  $\alpha$  Verb II has been created with no economies thinking at the challenges of the digital era. It is made in roadworthy and durable package for live and recording studio applications. The  $\alpha$  Verb II includes 16 Factory Presets including Reverbs, Chorus, Flanger and Delay, as well as 16 variations of the basic preset for each one of them for a total of 256 powerful and flexible different preset sounds.

- 16 effect programs with 16 variations each (total of 256 effects)
- Easy - to - use, affordable processing
- High - quality Philips 20 - bit A / D and D / A converters
- Hall, rooms, plates, vocal, multi - effect and 16 variations of each
- Bypass footswitch input
- Stereo inputs and outputs (also supports mono operation)
- Frequency response: 20Hz - 20kHz
- Dimensions (WxDxH): 197 x 131 x 44mm (7.76"x5.12"x1.73")
- Weight: 0.76kg (1.26lb)



# PROCESSORS



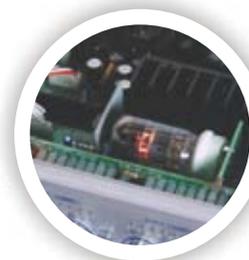
## PREAMPLIFIERS

▲LTO presents some very musical and accurate microphone and instruments preamplifiers. Try our Mini - Tube for computer recording or our Alpha MicTube if you need to record more than one channel at the same time. Both are based on the legendary 12AX 7WA low - noise vacuum tube. For total control we have made the solid - state model Voice Plus also available with Digital Output. Voice Plus also includes a "vintage" control for a more tube - like sound.

### $\alpha$ MICtube Stereo Tube Microphone Preamplifier

The warmth and color of a tube in a compact twin microphone preamplifier. This product is ideal for personal computer recording and stand out together with the best tube preamplifier in the world at a fraction of their price.

- Dual servo microphone preamplifier front and with tube line drive amplifiers
- 20dB Pad
- 48V Phantom
- Phase Reverse
- 8 segment level meter
- 12A x 7WA low noise vacuum tube
- Frequency response: 20Hz ~ 22kHz + / - 3dB
- Output section includes XLR and 1 / 4" connectors for driving two separate signal paths
- 1 / 4", high Z inputs on the front panel for instrument preamplification
- Half rack space steel chassis
- Dimensions (WxDxH): 199 x 153 x 45mm (7.8"x6.0"x1.8")
- Weight: 1.1kg (2.4 lb)



### MINI - TUBE Mono Tube Microphone Preamplifier

- Level & Drive controls
- 20dB Pad, + 48V Phantom, Phase Reverse, 80Hz low - cut switches
- VU Meter
- 12A x 7WA low noise vacuum tube
- Output section with XLR and 1 / 4" connectors
- 1 / 4", high Z input on the front panel for instrument & DI preamplification
- Dimensions (WxDxH): 210 x 193 x 44mm (8.3"x7.6"x1.7")
- Weight: 0.7kg (1.5 lb)



### VOICE plus D Microphone Preamplifier / Voice Processor with Digital Outs

VOICE PLUS DIGITAL is based on the design of our popular VOICE plus without Expander / Gate section, and adding proprietary "VINTAGE" circuit as well as a sophisticated digital output board 24bit / 192kHz with S / PDIF outputs. This "VINTAGE" section, by introducing predominantly even harmonics into the signal by increasing non - linear feedback into the amplifier will add a "tube - like" sound to your mix. The effect is similar to a tube preamplifier "coloration". We included also a SPDIF digital output with sampling rate of 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz and 192kHz. External WORD CLOCK input with automatic syncing to external clock rate, connector is also provided.

- Dimensions (WxDxH): 483 x 217 x 44.5mm (19"x8.5"x1.8")
- Weight: 3.3kg (7.3 lb)

24/192



### VOICE plus Microphone Preamplifier / Voice Processor

- A very comprehensive processor for voice and single instrument
- Versatile input section with + 48V phantom power, Phase and frequency variable 18dB / Oct. Low - cut filter
- Expander / Gate section provided with all the useful pots and switches to enable full dynamic control
- 3 - band Voice optimized EQ
- De - esser section with frequency, boost / cut controls and Activity LED
- Balanced MIC & LINE inputs, three outputs to assign the signal to several destinations
- Dimensions (WxDxH): 483 x 217 x 44.5mm (19"x8.5"x1.8")
- Weight: 3.3kg (7.3 lb)



# PROCESSORS



## DYNAMIC PROCESSORS

The ▲LTO line of dynamic processors is among the most complete available on the market today. From the simple ACL 2, yet including Compressor, Limiter, Expander and Gate to the 8 channels, 2 - U model CLE 8 including 8 complete dynamic processing strips, these processors are compact, easy to use with very low distortion VCA made by THAT for noise less operation. The simple, intuitive layout, colour scheme and the presence of many illuminated switches make these processors easy to use also by beginners.

### ACL2 2 - Channel Expander - Gate / Compressor - Limiter / Enhancer

Quite possibly, the most affordable dynamic processor ever! It includes compressor, limiter, expander, gate and enhancer. An ▲LTO Best Seller!

- Peak limiter to protect from clipping
- Frequency response: 20 - 20,000Hz
- T.H.D: Less than 0.05%
- 1U 2-channel compressor / limiter with gate / expander and enhancer functions
- Balanced Input & Output with XLR and 1 / 4" connectors
- Side - chain in / out via 1 / 4" TRS jack
- EXP / GATE threshold: OFF, 10dB
- Comprehensive Gain reduction LED ladder, AUTO and IN LEDs
- S / N ratio: More than 94dB
- Threshold: - 40dBu to + 20dBu
- Compression ratio: 1:1 to ∞ : 1
- Attack time: 0.1 - 200 msec
- Release time: 50 msec - 4 seconds
- Enhancer section with process level
- Dimensions (WxDxH): 483 x 217 x 44mm (19" x 8.5" x 1.7")
- Weight: 3.0kg (6.6 lb)



### ACL2 PRO 2 - Channel Expander - Gate / Compressor / Limiter

- Perfect design for a wide variety of sound reinforcement compression applications
- The ultimate gate / expander, compressor, limiter stereo unit
- Couple Switch for true stereo operation
- Side Chain function
- Very low distortion Voltage Control Amplifier (VCA)
- Smart Knee Control for musical and inaudible compression
- User adjustable attack and release time for the best total manual control
- Smart Ratio Control to adjust the expansion depending on the input signal
- Smart Gain Control to automatically reduce the output signal to avoid distortion
- 7 push - button switches, 8 rotary controls and 26 LEDs for each channel
- Dimensions (WxDxH): 483 x 194.5 x 44mm (19" x 7.7" x 1.7")
- Weight: 3.1kg (6.8 lb)



### ACL4 4 - Channel Compressor / Limiter

- A very user-friendly architecture for fast and reliable compression & limiting
- 2 Couple switches for double True Stereo operation
- Side Chain function
- Very low distortion Voltage Control Amplifier (VCA)
- Smart Knee Control for musical and inaudible compression
- Smart Gain Control to automatically reduce the output signal to avoid distortion
- 3 push-button switches, 4 rotary controls and 17 LEDs for every channel
- Dimensions (WxDxH): 483 x 194.5 x 44mm (19" x 7.7" x 1.7")
- Weight: 3.1kg (6.8 lb)



# PROCESSORS

## DYNAMIC PROCESSORS

### ACL8 8 - Channel Gate / Compressor / Limiter

The ACL8 delivers eight channels of crystal clear compression, brick wall limiting and inaudible noise gating for the most demanding connoisseurs

Servo Balanced / Unbalanced inputs & Floating Balanced / Unbalanced Outputs.

Side chain jack for spectral compression and separate side chain jack for gate processing on each channel.

Link feature to slave all the channels to channel 1 settings. Housed in a steel chassis with an aluminum front panel, rugged construction to deliver high quality performances in the worst operating conditions!

Expander - Gate Section:

Threshold: Off to + 20dB

Ratio/Range control: 1:1.2-1:8 + / - Threshold LEDs

Compressor Section:

Threshold: - 40dB to + 20dB

Ratio: 1:1 to 1:20

Attack & Release times: Auto / Manual

Hard / Soft knee transition curves

Meters: Gain Reduction & In / Out level

Peak Limiter Section:

Threshold: 0 to + 22dBu

Activity LED

Dimensions (WxDxH): 485 x 233 x 90mm (19.1" x 9.2" x 3.5")

Weight: 5.2kg (11.5 lb)



### ALTO GATE 4 - Channel Expander / Gate Processor

- Versatile yet user - friendly hi - end 4 - channel gate / expander
- Threshold, Hold, Release & Ratio / Range continuous controls
- Frequency & Bandwidth for frequency conscious dynamic operation
- Gain Reduction & Hold LEDs for visual control
- Side - Chain, Monitor, Mode and Couple switches give further sound control
- Balanced XLR & 1/4" TRS connectors
- Dimensions (WxDxH): 483 x 194.5 x 44mm (19" x 7.7" x 1.7")
- Weight: 3.1kg (6.8 lb)

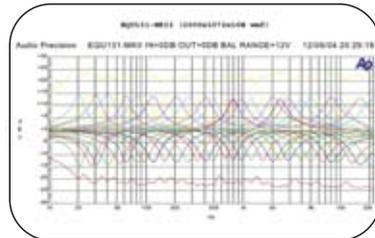


# PROCESSORS

## EQUALIZERS

▲LTO graphic equalizers are successfully used worldwide by professional touring Companies and Recording Studios. They are also present in several fixed installation, worship places and conference center. With their 117 dB of S / N ratio and ultra low distortion, they are the quietest and the most affordable graphic equalizers available today. And for perfect control of stage monitors we have created the ▲LTO Monitor, a powerful PA processor including 15 bands EQ, Low and Hi Pass filters and two notch filters to control feedback

- Control range 6dB or 12dB selectable
- Bypass function
- Switchable Hi - pass and Low - pass filters.
- Balanced XLR, 1 / 4" TRS and RCA input and output connectors
- Signal clip LED
- Ground "LIFT" switch to disconnect signal ground from chassis ground
- Line voltage selectable (115V / 230V)
- Control Range:  $\pm$  6dB or 12dB selectable
- Inputs and Outputs: XLR, 1 / 4" TRS and RCA jack
- Inputs Impedance: 20K $\Omega$  (bal) 15K $\Omega$  (unbal)
- Outputs Impedance: < 600 $\Omega$
- High Pass Filter: 40Hz (12dB/oct)
- Low Pass Filter: 16kHz (12dB/oct)
- Max. Input Level: + 18dBV
- Max. Output Level: + 16dBV
- THD%: 0.02% (at 1kHz, all slider at center)
- Frequency Response: 20Hz to 50kHz, - 3dB (all slider at center)
- S / N Ratio: 117dB
- Power Supply: AC 100V - 120V, 60Hz / AC 200V - 240V, 50Hz
- Power Consumption: 15 watts (max)



### EQU131 MK II Graphic Mono 31 - Band Equalizer



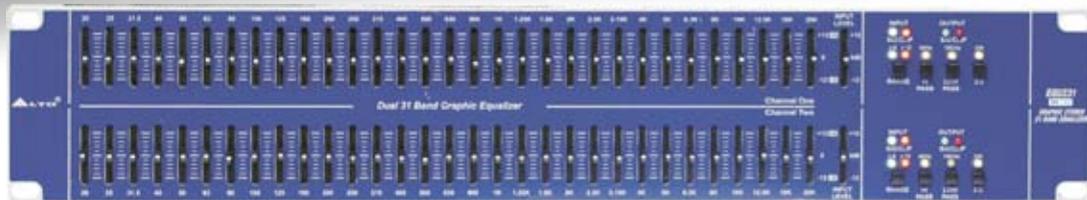
### EQU215 MK II V2 Graphic Stereo 15 - Band Equalizer

Type: 2 x 15, 2 / 3 octave, ISO spacing  
Slider Type: 20mm with center detect

Power Consumption: 15 watts (max)  
Dimensions (WxDxH): 483 x 187 x 44mm (19"x7.4"x1.7")  
Weight: 2.8kg (6.2 lb)



### EQU231 MK II V2 Graphic Stereo 31 - Band Equalizer



# PROCESSORS

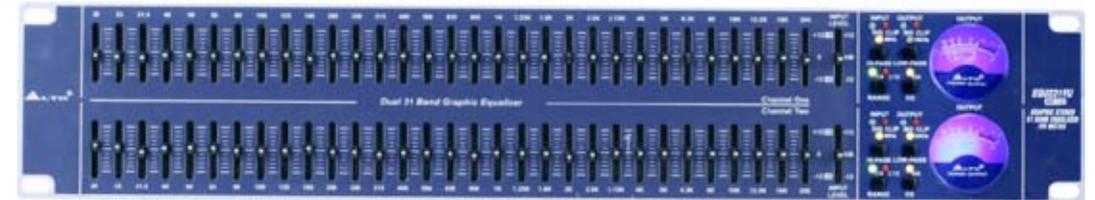


## EQUALIZERS

### EQU231VU MK II V2 Graphic Stereo 31 - Band Equalizer with Two VU Meters

Type: 2 x 31, 1 / 3 octave, ISO spacing  
Slider Type: 20mm with center detect

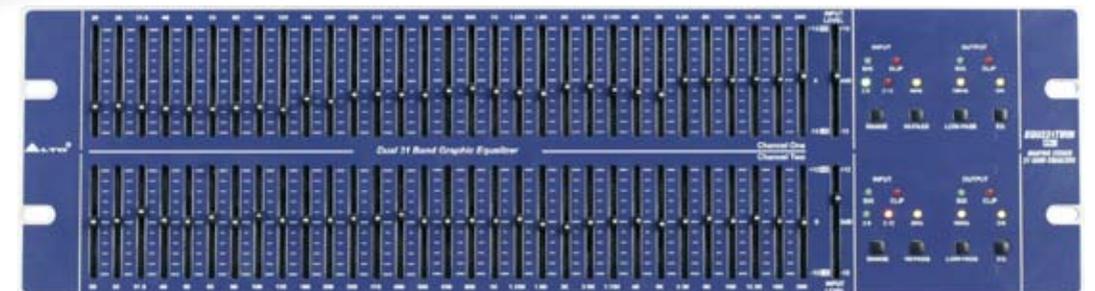
Dimensions (WxDxH): 483 x 187 x 88.8mm (19"x7.4"x3.5")  
Weight: 5.2kg (11.5 lb)



### EQU231TWIN MK II Graphic Stereo 31 - Band Equalizer

Type: 2 x 31, 1 / 3 octave, ISO spacing  
Slider Type: 60mm with center detect

Dimensions (WxDxH): 483 x 187 x 177.6mm (19"x7.4"x7.0")  
Weight: 6.0kg (13.2 lb)



### ▲LTO Q 5 - Band Equalizer

- Versatile high quality 5 - band parametric EQ with lo - cut & hi - cut filters
- Wide overlap of frequencies between bands to achieve very precise control over your sound
- Lo - cut & Hi - cut 12dB / Oct. filters to reduce unwanted sounds and noises
- Individual In / Out switches for each band to compare equalized and original signals
- Balanced Inputs / Outputs XLR & 1 / 4" TRS jacks
- Dimensions (WxDxH): 483 x 194.1 x 44mm(19"x7.6"x1.7")
- Weight: 2.9kg (6.4 lb)



### ▲LTO MONITOR PA / Monitor EQ / Feedback Eliminator

- An analogue EQ designed for PA and Monitor application
- 15 - band 2 / 3 Octave Graphic EQ, switchable + / - 6dB or + / - 12dB
- Two notch filters to reduce unwanted feedback frequencies, with frequency and cut controls
- Lo - pass & Hi - pass 12dB / Oct. filters to reduce unwanted sounds and noises
- Balanced Inputs / Outputs XLR & 1 / 4" TRS jack
- Dimensions (WxDxH): 483 x 194.1 x 44mm (19"x7.6"x1.7")
- Weight: 2.8kg (6.2 lb)



# PROCESSORS



## X-OVERS

We're proud to offer you a wide range of analog crossover suitable for every kind of applications, with or without a sub - woofer, in Hi - Fi as well as in professional environment. The user - friendly design also allows a beginner to obtain very good audio performance, while professionals will surely appreciate the high quality, reliability and flexibility of our crossovers

### X23SW 2 - Way Stereo Crossover with Subwoofer

- Crossover Frequencies:  
SUB - LOW 50Hz - 250Hz - LOW - HIGH 250Hz - 6kHz (X23SW)  
SUB - LOW 50Hz - 250Hz - LOW - MID 70Hz - 1kHz - MID - HIGH 480Hz - 7kHz (X34SW)
- Single rack unit (1U)
- Phase inversion switches
- X23SW equipped with Balanced XLR inputs and unbalanced 1 / 4" TS jack
- X34SW equipped with Balanced XLR inputs & Outputs connectors

### X34SW 3 - Way Stereo Crossover with Subwoofer

- Linkwitz - Riley 12dB / Octave filters
- Peak LED indicators
- Mute switches
- Designed for precise accurate control
- Top audio performances with high slew / rate circuitry and more than 115dB dynamic range for transparent sound
- Weight: X23SW: 2.5kg (5.5 lb)  
X34SW: 2.5kg (5.5 lb)



### X23 2 - Way Stereo / 3 - Way Mono Crossover

Crossover Frequencies: X1: 80Hz to 1kHz  
X2: 800Hz to 10kHz  
Hum and Noise (20Hz-20kHz): Av = 0dB. Fc = 800Hz  
Low Frequency Section: Output @0dB: - 106dBu  
High Frequency Section: Output @0dB: - 97dBu

Signal - To - Noise Ratio: 118dB  
Controls: Input Level: Continuously variable  
Output Level: Low, mid, high cont., variable  
Rear Panel Switch: CD Boost / Mode / Phase  
Weight: 2.5kg (5.5 lb)



### X34 3 - Way Stereo / 4 - Way Mono Crossover

Crossover Frequencies:  
Low - Mid: 90Hz to 1kHz  
Mid - High: 800Hz to 10kHz  
Hum and Noise (20Hz-20kHz): Av = 0dB. Fc = 230, 2.3kHz  
Low Frequency Section: Output @0dB: - 98dBu  
Mid Frequency Section: Output @0dB: - 95dBu  
High Frequency Section: Output @0dB: - 93dBu

Signal - To - Noise Ratio: 114dB  
Controls: Input Level: Continuously variable  
Output Level: Sub, low, mid, high cont., Variable  
Mute: Low, mid, high front panel switches  
Rear Panel Switch: CD Boost / Mode / Phase  
Weight: 2.5kg (5.5 lb)



# PROCESSORS

## X-OVERS

### X-P234 2 - Way / 3 - Way Stereo or 4 - Way Mono Crossover

Stereo: (2-Way) Low / High: 44 Hz to 930Hz (± 1), 440Hz to 9.3kHz (± 10)  
(3-Way) Low / Mid: 44 Hz to 930Hz (± 1), 440Hz to 9.3kHz (± 10)  
Mid / High: 440Hz to 9.3kHz (± 1)  
Mono: (4-Way) Low / Low - Mid: 44 Hz to 930Hz (± 1), 440Hz to 9.3kHz (± 10)

Low - Mid / Mid - High: 440Hz to 9.3kHz (x1)  
Mid - High / High: 440Hz to 9.3kHz (x1)  
Controls: Input Level: Continuously variable  
Output Level: Sub, low, mid, high cont., Variable  
Front Panel Switch: CD Horn / Mute / Limiter / Phase / Lowcut  
Rear Panel Switch: Mode / LF Sum  
Weight: 3.1kg (6.8 lb)



## OTHER AUDIO TOOLS:

Under this segment we have included two powerful headphone amplifiers, an eight channel mixer - splitter, a stereo enhancer, a spectrum analyser, two active Direct Injection Boxes and two Patch - bays. They all feature the same dedication and attention to details typical of the other ▲LTO products.

### HPA4 4 - Channel Stereo Headphone Amplifier & Distribution

- Four independent high - power stereo headphone amplifiers
- Four input / aux. sections provide four stereo mixes
- DIRECT IN on the front panel for additional input with priority over rear input
- Each channel has treble / bass control
- Each channel has output level control, mono / stereo switch and left / right mute control

- Three headphone outputs on each channel (one on front panel, two on rear panel)
- Each channel has an LED output meter
- Paralleled main outputs to chain more headphone amplifiers
- Weight: 3.1kg (6.8 lb)



### HPA6 6 - Channel Stereo Headphone Amplifier & Distribution

- Professional, universal headphone amplifier system for studio and stage
- Six independent high - power stereo headphones amplifiers
- Maximum audio quality even at high volume levels
- 6 separated input / mix sections for 6 stereo mixes
- Stereo AUX IN for each channel for additional signal source

- 3 headphone outputs per channel on front and rear panels
- 4 - segment LED output level display per channel
- DIRECT IN on the front panel for additional input with priority over rear input
- Paralleled main outputs to chain several headphone amplifiers
- Weight: 2.9kg (6.4 lb)



# PROCESSORS

## OTHER AUDIO TOOLS

### ▲LTO LINK 8 - Channel Signal Router

- Selectable either mixer or splitter for each channel
- Allowing wide range headroom for highest and lowest frequency
- 8 inputs and 2 outputs mixer
- 4 LEDs Input / output level indicators
- Input / output: XLR and 1 / 4" TRS
- 6 mono input / output, 2 main input / output
- 6 input level control, 6 balance / pan control, and a main input / output control
- 8 inputs and 8 outputs driver
- Weight: 3.7kg (8.2 lb)



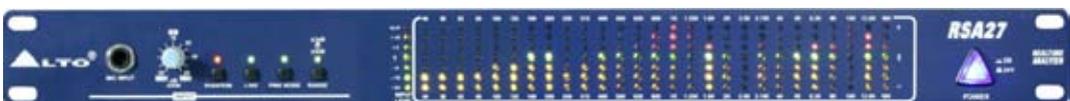
### FLEX plus Multi - Band Sound Enhancement System

- Servo - balanced inputs and outputs
- Relay - controlled hard bypass switch with auto bypass function in case of power failures
- Multi - band processor section to improve higher frequency behavior by enhancer orexciter
- Automatic decreased noise system
- Bass processor section to improve the quality of lower frequencies
- Dramatic enhancement of the stereo effect by circumnavigate function
- Balanced XLR and 1 / 4" TRS connectors for inputs and outputs
- Versatile and professional tool to shape sound
- Weight: 3.1kg (6.8 lb)



### RSA27 27 - Band Realtime Spectrum Analyzer

- 27 band on 1 / 3 - octave ISO centers display spectrum, 40Hz - 16kHz
- Switch to choose + / - 3db or + / - 6dB range for each LED
- Pink noise generator and microphone input
- Balanced XLR AUX / MIC input
- 1 / 4" TRS unbalanced line input
- Pink Noise 1 / 4" TRS unbalanced input
- Weight: 3.1kg (6.8 lb)



# PROCESSORS



## OTHER AUDIO TOOLS

▲LTO's professional direct injection boxes are specially designed for stage and studio applications. Thanks to the renowned transformer, the DI series is able to provide the extremely flat frequency response. The Ultra - low noise operational amplifier makes the outstanding sound performance. The Ground lift switch also helps to eliminate typical ground loop problems.

### DI4 4 - Channel Direct Inject Box

- Allows direct connection to speaker outputs for more than 3000W
- Prevents hum and noise pick up due to special transformer decoupling
- Converts unbalanced line inputs to balanced outputs
- 20 dB gain switch for preamplification of low level signals
- Phase Reverse switch allows you to instantly correct phase problems
- Switchable high cut filter (8kHz) for guitar applications
- Accurate eight - segment LED level meter simplifies level setting for optimum performance
- Gold - plated XLR connectors and 1 / 4" TRS ' connections for input and link output
- Switchable attenuation allows maximum input of + 50dBu
- Illuminated switches enable you perfect operation in dark stage environments
- Dimensions (WxDxH): 483 x 197.5 x 44.2mm (5.0"x7.8"x1.7")
- Weight: 3.7kg (8.2 lb)



### DI1 Compact 1 - Channel Direct Box

- Professional, multi - functional DI box for live and studio applications
- Internal battery automatically gets decoupled when you use phantom power
- Super - rugged metal housing with tough rubber corners for protection
- Gold - plated XLR connectors and phone jacks for input and link output
- Switchable two input attenuators to achieve up to 40dB of attenuation
- Battery or Phantom powered with power LED
- Phase and Hi - cut (8kHz) switches to further reduce noise
- Dimensions (WxDxH): 128 x 123.5 x 44.2mm (5.0"x4.9"x1.7")
- Weight: 0.8kg (1.8 lb)



### TERMINATOR II 24 Bit Automatic Feedback Killer

**NEW**

Finally a digital feedback terminator that works, is acoustically invisible and it is also easy to operate. TERMINATOR II includes 24 filters x channel (two channels). The pitch of each filter varies from 1 / 70 to 1 / 84 of an octave. They are so sharp and so accurate that only the feedback content is taken away, while the acoustic content is not modified at all. The user interface is the most intuitive including only an on / off switch and a music / speech selector for each channel.

- 24 filters per channel
- Leds for the input signal monitoring
- Each unit can position up to 2 microphones
- Rotated POT for switching VOICE mode to MUSIC mode
- Sharp filters without interfering with the audio signal
- Fast speed to individuate feedback
- Dimensions (WxDxH): 483 x 195 x 44mm (19"x7.7"x1.7")
- Weight: 3.1kg (6.8 lb)



# PROCESSORS



## OTHER AUDIO TOOLS

### ▲LTO PATCH.B 48-Points Patchbay (balanced mode)

- 48 point 1 / 4" jack patch panel to connect all the devices of your studio
- Three connection modes: Parallel, Half - Normalled and Open
- Easily access to signal inputs and outputs of your equipment, as a central signal distribution
- Simply to distinguish how the signal flows through the jack in the 3 modes
- Each jack set available to choose each mode independently
- Unbalanced Connections
- Balanced sockets
- Dimensions (WxDxH): 483 x 85 x 44mm (19"x3.3"x1.7")
- Weight: 1.9kg (4.2 lb)



### MP 8D 8 - Channel Microphone Preamplifier with Digital Outputs

The 8 channel mic / instrument preamplifier is part of the ▲LTO ESOTAR line of products which are built with no compromises on design or materials. ▲LTO ESOTAR processors are ideal for professional recording applications and sound installs. The first 2 channels of our MP8 include high gain mic / line input with an integrated DI box feature. Each channel provides an individual phantom power switch, phase and high pass control as well as insert points. MP8D comes equipped with 129dB of S / N ratio and 0.007% of THD. It also includes a sophisticated 24 bit / 192 kHz digital output interface with external / internal clock and ADAT, AES / EBU and S / PDIF connectors.

- 2 channel Mic / Line Input jacks, 6 channel Mic input capability
- Serves as DI box
- Individual Phantom Power Switch
- 8 channel ADAT and with AES / EBU or S / PDIF output
- Switch control with build - in light
- 8 channels for MIC only also include individual 48 volt phantom power switch and high pass filter
- Includes 2 channels with Hi - Z input for line level instrument
- TRS jack insert
- Dimensions (WxDxH): 483 x 288 x 44mm (19"x11.3"x1.7")
- Weight: 4.8kg (10.6 lb)



# PROCESSORS

## OTHER AUDIO TOOLS

### MP 8 8 - Channel Microphone Preamplifier

The 8 channel MIC / Instrument preamplifier is part of the ▲LTO ESOTAR line of products. Built with no compromises on design and materials ▲LTO ESOTAR processors are dedicated to high end recording applications and sound installation.

The first 2 channels of our MP8 include Mic and Line input with integrated DI box. Each channel feature individual phantom power switch, phase and high pass control as well as Insert point. The preamplifier is among the most sophisticated in the world with its 129 dB of S / N ratio and 0,007% of THD.

- 2 channel Mic / Line Input with DI box built in, 6 MIC input
- Individual Phantom power switch
- Precision, high gain MIC preamplifiers
- 8 channels for MIC only also include individual 48 volt switch and high pass filter
- Analogue output via D type 25 pin connectors
- Dimensions (WxDxH): 483 x 288 x 44mm (19"x11.3"x1.7")
- Weight: 4.4kg (9.7 lb)



### MP 2D 2 - Channel Microphone Preamplifier with Digital outputs

The MP2D accepts 2 channels of line or mic signal and includes a DI box. This preamplifier is among the most sophisticated in the world with its 129dB of signal to noise ratio and 0.007% of THD. We've also included a "vintage" function to add warm, tube - like sounds to your mix. The MP2D includes a sophisticated 24 bit / 192 kHz digital output interface with external / internal clock and AES / EBU and S / PDIF Connectors.

- Digital output AES / EBU - S / PDIF
- Optional digital output board (D version)
- Mix bus assign
- Hi - Z input for a line level instrument
- "Vintage" function for tube simulation
- Dimensions (WxDxH): 483 x 288 x 44mm (19"x11.3"x1.7")
- Weight: 4.3kg (9.5 lb)

