



High performance Digital Speaker Management systems

The DX series High End Digital Speaker Management systems combine an outstanding full 96kHz DSP processor with Floating 32 Bit AD/DA Converters to provide Superb Sonic Performance. The DX480 offers 4 analog inputs, 8 analog outputs and 2 AES | EBU inputs and the DX260 has 2 analog inputs, 6 analog outputs and a AES/EBU inputs. Easy setup is assured with intuitive front panel controls and an interactive LCD display for local setup, or a dedicated PC control interface for remote monitoring and configuration via USB or RS485 and dedicated control software. The DX Series supports a full matrix mixing mode where inputs may be routed/mixed in any ratio to any output. Designed for maximum versatility, these units provide all the processing and control necessary for both live and fixed installation use.

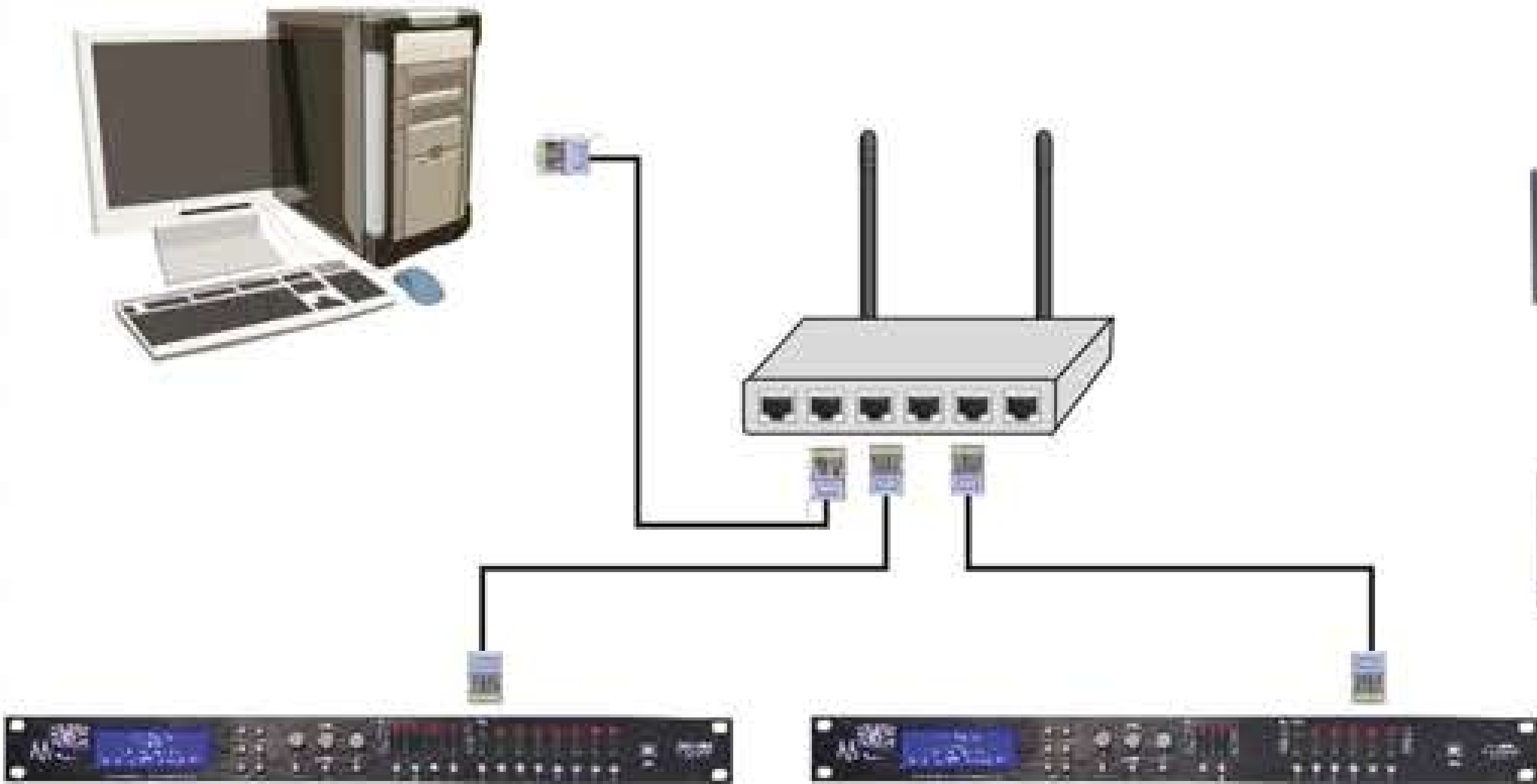
DX-480.....Digital Audio Process Control System



DX-260.....Digital Audio Process Control System



- Convenient front panel controls or remote operation
- 8 band parametric equalization per input channel
- 6 band parametric equalization per output channel
- Adjustable Delay time up to 1000 ms for every input and output channel
- Noise gate and phase on each input
- Crossover filters with slopes from 12 to 48 dB/ Octave including Butterworth, Bessel, Linkwitz-Riley
- Limiter and phase of each output
- Full matrix routing where inputs may be routed/mixed to any output
- 30 Presets with Copy function
- Password Protect Security
- Front Panel USB connector for direct PC communications
- RS485 connection for system setup, monitoring and control via fully manageable remote PC software



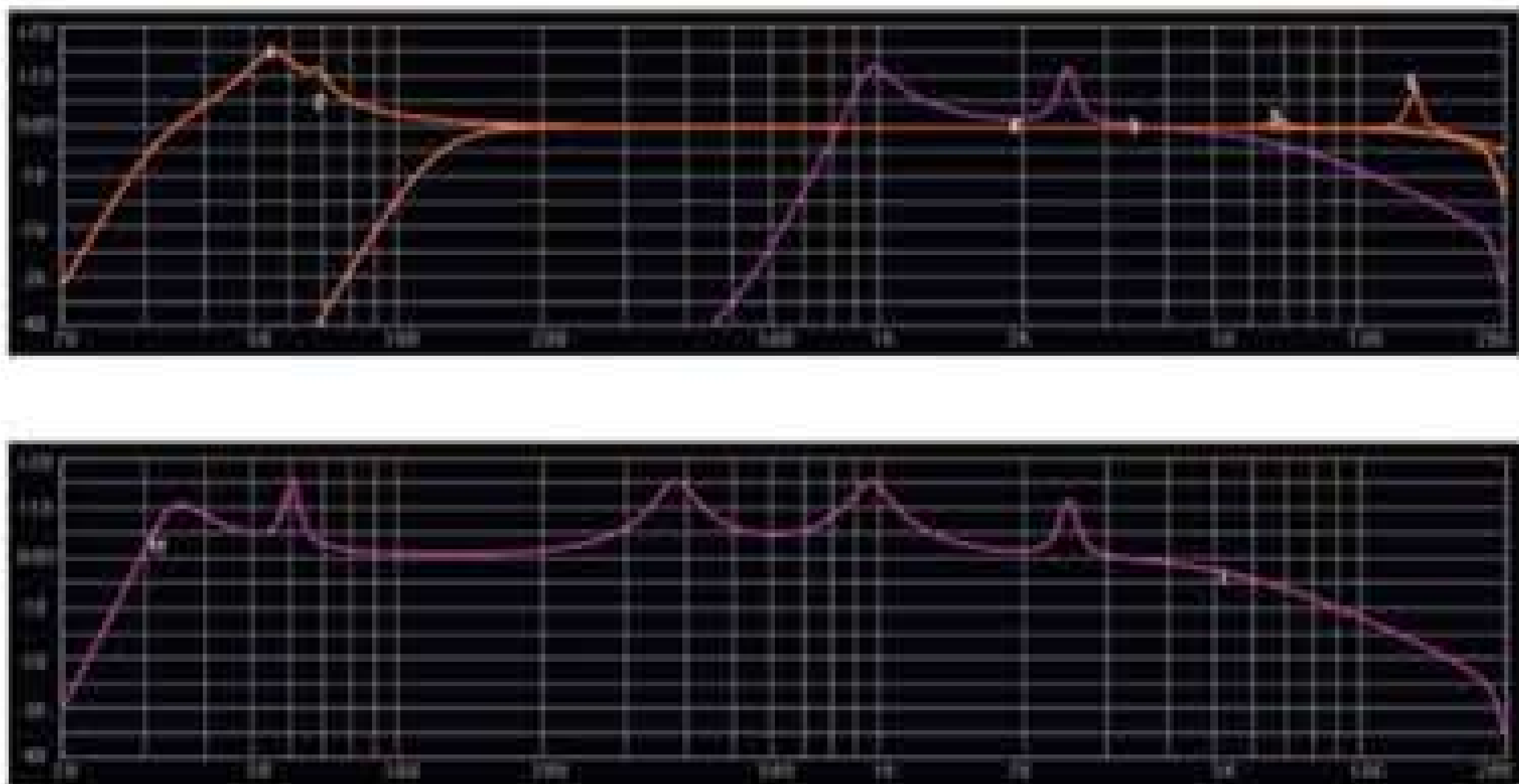
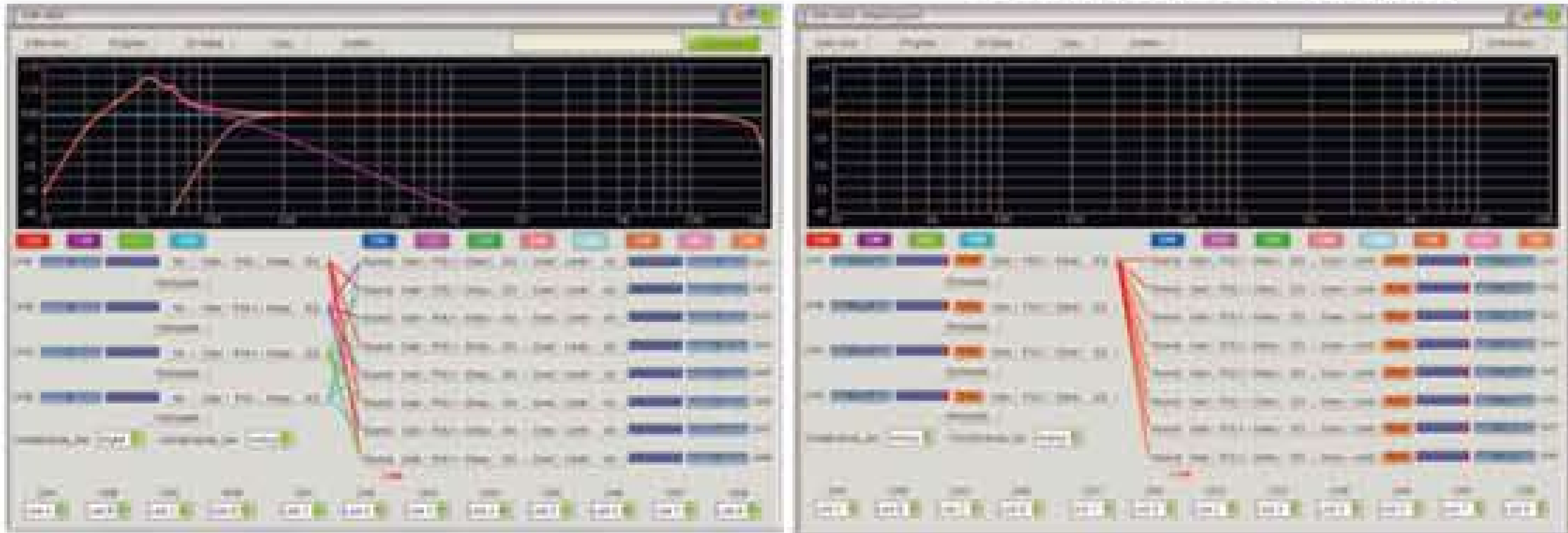
Back Panel of DX260



Back Panel of DX480

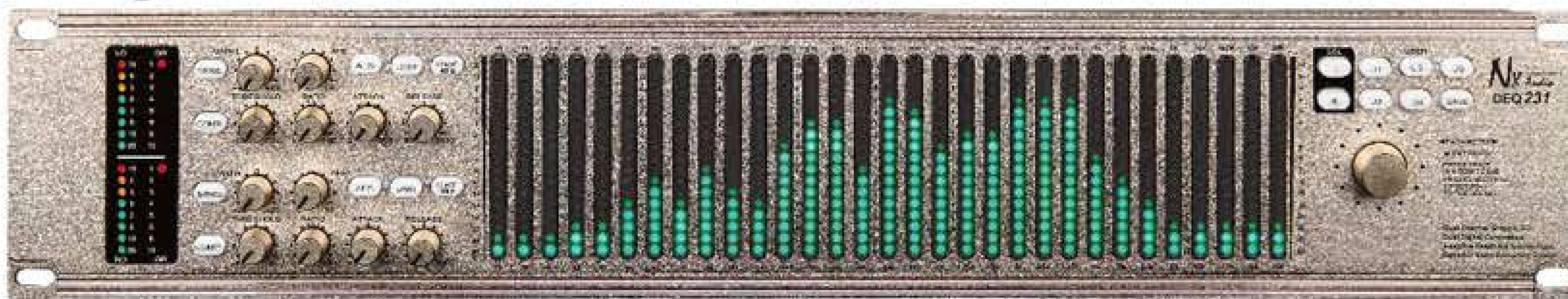


Software Included



Curve Display vision

Models	DX-480 / DX-260
Inputs	Four Electronically Balanced XLR Inputs. /Two Electronically Balanced XLR Inputs.
Outputs	Eight Electronically Balanced XLR Outputs. /Six Electronically Balanced XLR Outputs
Frequency Response	20Hz-20kHz; -0.5dBy at 20Hz and 20kHz
Dyanamic Range	>110dBA
Distrotion	0.005% (0.02% at 1kHz , +18 dBm)
DSP	1000ms Delay per input channel. 1000ms per output channel.
Dimensions	44 x 483 x 188mm
System Type	Loudspeaker Management System
Other Controls	Comprehensive front panel controls with quick mute functionality.
AD-DA Converters	Loudspeaker Management System
Presets	32bit, 96KHzA
Filter Type	30 user presets
Filter Type	Crossover. Butterworth 12/18/24/48 dB per octave. Bessel 12/24 dB per octave. Linkwitz-Riley 12/24/48 dB per octave



DEQ231
Stereo Digital
Graphic Equalizer
with Compressor
and Feedback
Suppression



24BIT DELTA-SIGMA STEREO A/D CONVERTOR

- Stereo Digital True Response Graphic Equalizer ➤ **Level Meter**...31 Band Peak LED (Changes in Real Time with 99.9% Accuracy)
- **AFS**... Auto Feedback Suppression ➤ **DNR**... Dynamic Noise Reduction Compression (Upto 10dB of dynamic broadband noise reduction)
- **Compressor**... Auto \ manual selectable Attack and Release modes (Compression Ratio Variable 1:1 to 100:1; 60dB max) ➤ Low Cut 40 Hz

Vector series are designed for better sound and provide superb high-precision audio frequency separation using state-of-the-art circuitry, superior-grade components, low-noise op amps and balanced I/O connectivity. Vector Analog Crossovers feature Limiters on all outputs for optimal loudspeaker protection; an adjustable Time Delay for proper phase-alignment of the drivers; High-Frequency (HF) horn equalization for constant-directivity compensation; and a mono "Low Sum" Output (stereo modes only), which is ideal for your subwoofer applications. Compared to digital loudspeaker management systems, Vector X-overs are not only more affordable, but also offer greater ease-of-use and a full 20dB signal headroom that only an analog processor can provide.



VECTOR-34
Stereo 2-way |
3-Way | Mono
4-way



VECTOR-23
Stereo 2-way |
Mono 3-way

- Linkwitz-Riley filters with 24 dB/octave slope; flat summed amplitude response, zero phase difference
- Low/Mid Crossover frequencies adjustable in two switchable ranges: 44 to 930 Hz and 440 Hz to 9.3 kHz; Mid/High frequencies adjustable 440 Hz to 9.3 kHz
- Adjustable time delay for phase alignment between drivers ➤ "LF Sum" function for mono subwoofer operation ➤ Individual Limiters on every output
- Individual output mute switches for all bands ➤ Individual phase reverse switches for all bands ➤ CD horn equalization
- Switchable 25 Hz low cut filter in each input ➤ Balanced XLR In/Outs ➤ All switches with LED status



AC-234XL
Stereo 2-Way,
3-Way & Mono
4-Way

- XLR differentially balanced ins and outs ➤ Mode switches for mono 4-way or stereo 2-way/3way operation
- Low frequency summed (subwoofer) output ➤ x10 range switch & 40Hz high pass (low cut) filter on both channels
- Phase reverse switch & Individual level controls on all outputs ➤ 24dB per octave Linkwitz-Riley filters
- Stereo/Mono status LEDs indicate the selected mode



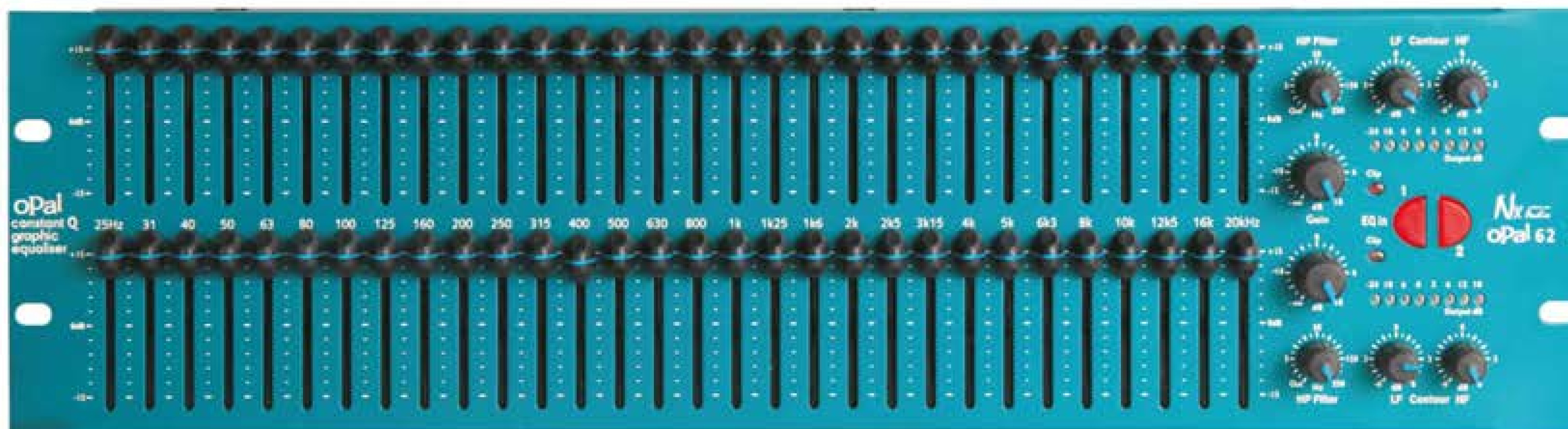
SC-203
Stereo 3-Way |
Mono, 4-Way
& Subwoofer

- 19" Rack / Balanced XLR Ins & XLR Combo Out ➤ Filter Type (Slope): 2nd Order, -24dB/ +10dB per octave Linkwitz-Riley
- Lo-cut at 30Hz on each channel & XLR Balanced Subwoofer Out ➤ Power ON/OFF Switch with Built-In LED
- Gain control + Subwoofer control 50-250Hz ➤ 2 Phase Invert Switch on each channel



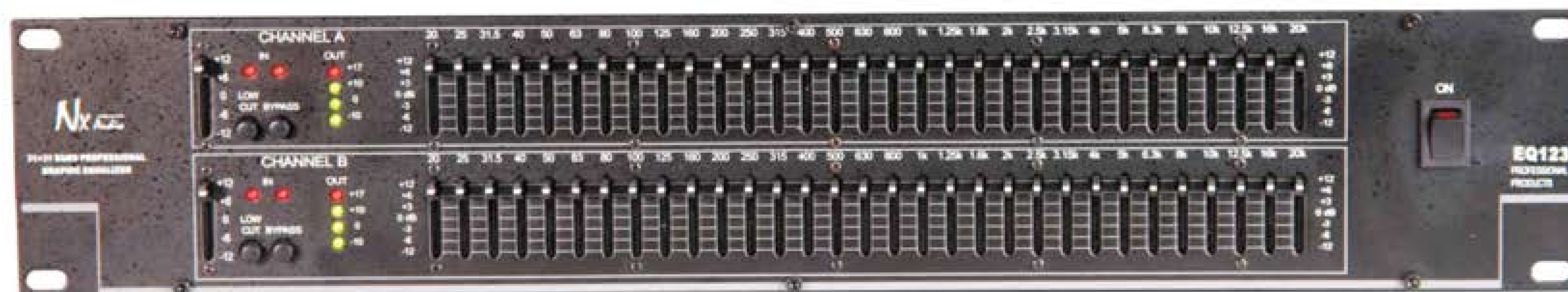
SC202MK2
Stereo 2-Way |
Mono, 3-Way
& Subwoofer

- 19" Rack / Balanced XLR Ins & XLR Combo Out ➤ Filter Type (Slope): 2nd Order, -24dB/ +10dB per octave Linkwitz-Riley
- Lo-cut at 30Hz on each channel & XLR Balanced Subwoofer Out ➤ Power ON/OFF Switch with Built-In LED
- Gain control + Subwoofer control 50-250Hz ➤ 2 Phase Invert Switch on each channel

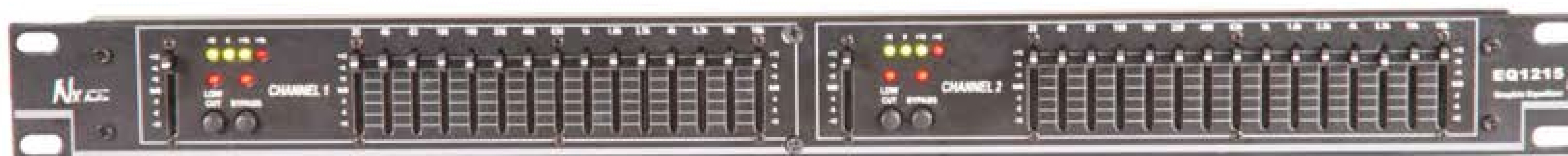


OPAL-62
Constant
Q Graphic
Equalizer

30 ISO bands, each with ± 15 dB of gain and centre-detent filter bypass at 0dB for maximum performance
 Custom finger-fit fader knobs & Balanced inputs and outputs Hi and Lo shelving contour controls & Constant Q filters
 8-segment LED input/output metering & CLIP indicator HP filter set to OUT. GAIN, HF, LF & all faders set to 0
 HP filter control: OUT to 250Hz @ 12dB/octave LF contour: ± 6 dB shelving @ 50Hz 6dB/octave HF contour: ± 6 dB shelving @ 14kHz 6db/octave



EQ1231
31 + 31
Band Graphic
EQ 1/3-octave



Eq1215
15 + 15
Band Graphic
EQ 2/3-octave

➤ Switchable boost/cut of ± 6 or ± 12 dB ➤ 12 dB per octave 50Hz low cut filter Front panel bypass switch (IN & OUT)
 ➤ ± 12 dB input gain range ➤ 4 segment LED ladders ➤ Center dented ± 12 dB slide controls ➤ Master gain controls ➤ XLR and TRS inputs and outputs
 ➤ Heavyduty Internal Toroidal Transformer ➤ Dynamic range of greater than 108 dB ➤ Power ON/OFF switch with LED



AD-48
2 IN 8 OUT

➤ Stereo \Mono\ Signal-A\ Signal-B LEDs ➤ Stereo \Mono\ swither at the rear ➤ Balanced XLR inputs for left & right at rear
 ➤ 8 Balanced XLR outputs for connection of amplifiers ➤ Inputs impedance: 50K Ohms balanced, 25K unbalanced