

iEQ™  
DIGITAL GRAPHIC EQUALIZERS W/ AFS®

With an EQ heritage that has produced countless industry standard patents and dates back more than 30 years, the dbx® iEQs™ easily live up to the dbx legacy of uncompromising sonic integrity. In addition to unsurpassed Equalization specs, the iEQ also offers the built-in necessities which include patented AFS® Advanced Feedback Suppression (which removes unwanted feedback at the push of a button), Type V™ Noise Reduction and PeakStopPlus™ limiting. The iEQ-Series represents a major step forward in the performance of graphic equalizers. From its amazing 10Hz to 22kHz frequency response, to its 110dB dynamic range the iEQs offer out of this world specifications with a down to earth price point. Sure to find a home in the studio, on tour and with installed sound venues, the iEQs are destined to take their rightful place in the lineage of great dbx signal processors that are the professionals’ choice.

iEQ-15 DUAL 15-BAND DIGITAL GRAPHIC EQ/LIMITER



iEQ-31 DUAL 31-BAND DIGITAL GRAPHIC EQ/LIMITER



- Advanced Feedback Suppression (AFS)
- Type V Noise Reduction
- PeakStopPlus Limiting
- 1/3-octave Constant Q frequency bands
- Switchable boost/cut ranges of ±6 or ±15dB
- 18 dB per octave 40Hz low-cut filter
- ±12dB input gain range
- XLR, TRS and Euroblock Inputs and Outputs
- Internal Toroidal Transformer
- Frequency Response of 10Hz to 22kHz
- Dynamic range of greater than 113dB
- User Power Up Features
- Relay Bypass for Power Failure System Protection

20 Series  
GRAPHIC EQUALIZERS

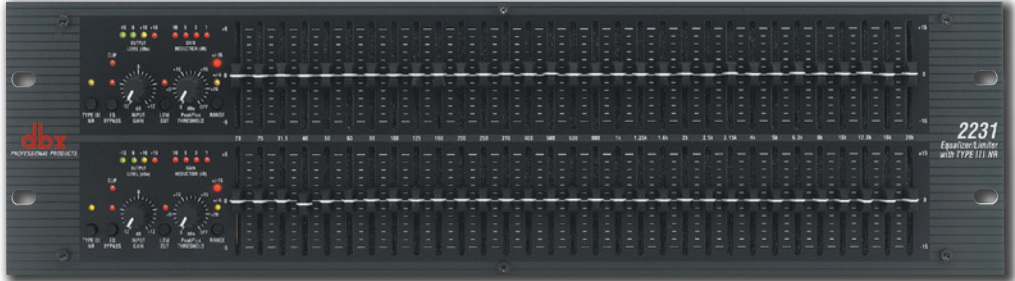
Since their introduction, the 20 Series equalizers have become crucial links in the sound systems of countless professionals all over the world. From a value perspective, the 20 Series EQs offer an unequalled feature set. The crowning feature of each model in the 20 Series is our patented Type III™ Noise Reduction, which enables you to increase signal-to-noise ratios by up to 20dB. With Type III, the 20 Series can significantly improve the noise specs for almost any sound system. Add our patented PeakPlus™ limiter topology; XLR, ¼", and Barrier strip inputs and outputs; durable 45mm nylon sliders; a +12dB input gain range; and informative, four-step LED ladders to the mix and you’ve got three powerful tools that will let you use your system with confidence.

The 20 Series  
can significantly  
improve the noise  
specs for almost  
any sound system.

2215 DUAL 15-BAND GRAPHIC EQUALIZER



2231 DUAL 31-BAND GRAPHIC EQUALIZER



“dbx 2231, D best for  
foldback equalizer.”  
- Drix Calimlim  
-Via Facebook

2031 SINGLE 31-BAND GRAPHIC EQUALIZER



- Revolutionary instant encode/decode Type III Noise Reduction in-circuit at the push of a button. Increases S/N ratio by up to 20dB
- Patented PeakPlus Limiter threshold range from 0dBu to +24dBu (off) can transparently tame the wildest hits or the subtlest nuances of any signal
- An extremely high quality EQ, patented Type III Noise Reduction, and the elegant new PeakPlus Limiter all in one great sounding box
- Four segment LED bar graphs for BOTH Gain Reduction AND Output Level offers the most comprehensive visual feedback available
- Status LEDs offer visual feedback for all settings on the front panel



# 12 Series

GRAPHIC EQUALIZERS

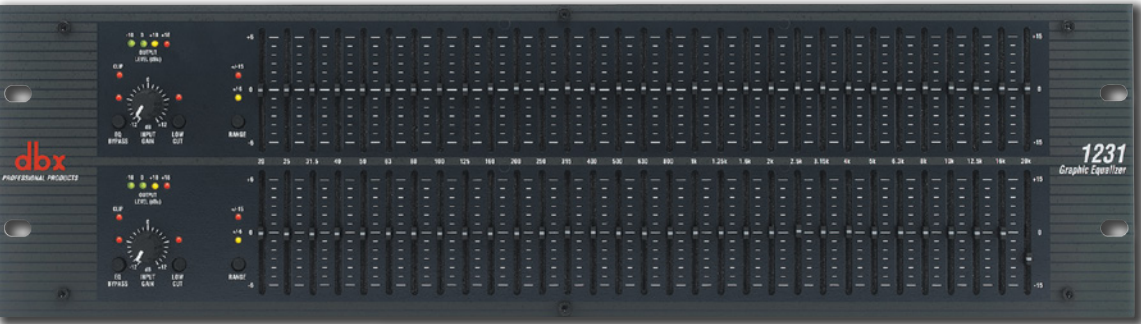


The dbx® 12 Series Equalizers were designed to make versatile, pro-quality sound available to users of all levels, while offering the simplicity of straightforward controls and providing years of maintenance-free operation in any application. The magnetically-isolated transformer, electronically balanced inputs and servo balanced outputs, RF-filtered inputs and outputs, and power-off hard-wire relay bypass with 2 second power up delay were steps our engineers took to ensure compatibility for all installations. Only the best components were utilized, yielding a 10Hz to 50kHz frequency response, greater than 90dB SNR (ref +4dBu), less than 0.005% THD +Noise (1kHz at +4dBu), and interchannel crosstalk of less than -80dB from 20Hz to 20kHz. All this attention to detail is contained in a sturdy steel/aluminum chassis.

## 1215 DUAL 15-BAND GRAPHIC EQUALIZER



## 1231 DUAL 31-BAND GRAPHIC EQUALIZER



- Switchable boost/cut ranges of  $\pm 6$  or  $\pm 15$  dB
- Electronically balanced/unbalanced inputs
- Servo balanced/unbalanced outputs
- RF filtered inputs and outputs
- XLR, Barrier Strip, and 1/4" TRS connectors
- -12dB/+12dB input gain range
- 18dB/octave 40Hz Bessel low-cut filter
- Chassis/signal ground lift capability
- Internal power supply transformer
- Power-off hardware relay bypass with 2-second power-up delay



FULL LINE

# 2 Series

GRAPHIC EQUALIZERS

The dbx® 2 Series equalizers were designed to make versatile, pro-quality sound available to users of all levels, while offering the simplicity of straightforward controls. The 2 Series represents a major step forward in the performance of entry-level graphic equalizers. From its amazing 10Hz to 50kHz frequency response, to its 108dB dynamic range, the 2 Series offers great specifications with, a down-to-earth price point. Sure to find a home in the studio, on tour and with installed sound venues, the 2 Series is destined to take its rightful place in the lineage of great dbx signal processors that are the professional's choice in signal processing. With such affordable quality, there's no longer any excuse for compromising your sound with a lesser EQ than one from dbx.

The 2 Series represents a major step forward in the performance of entry-level equalizers.

## 131s SINGLE 31-BAND GRAPHIC EQUALIZER



## 215s DUAL 15-BAND GRAPHIC EQUALIZER



## 231s DUAL 31-BAND GRAPHIC EQUALIZER



- Constant Q frequency bands
- Switchable boost/cut ranges of  $\pm 6$  or  $\pm 12$  dB
- 12dB per octave 40Hz low-cut filter
- Front panel bypass switch
- $\pm 12$  dB input gain range
- 4-segment LED ladders for monitoring output levels
- XLR and TRS Inpts and Outputs
- Internal Toroidal Transformer
- Frequency Repsonse of <10Hz to >50kHz
- Dynamic range of greater than 108dB



FULL LINE





386

Dual Channel Tube Mic Preamp

The Silver Series 386 dual channel tube mic preamp puts the best of both worlds into one affordable package by combining the warmth of the irreplaceable vacuum tube with the proprietary dbx® Type IV™ conversion system. The 386 boasts many of the same features as other products in the Silver Series, such as +48V phantom power, phase invert switch, and low-cut filtering. In addition, the 386 also offers up to 96kHz, 24-Bit digital output capabilities in both AES/EBU, and S/PDIF formats as standard features.

- Two channel tube microphone preamplifier
- Selectable 96kHz, 88.2kHz, 48kHz, or 44.1kHz sampling rate
- 24, 20, and 16-bit wordlengths
- Selectable dither and noise shaping
- AES/EBU and S/PDIF digital outputs
- Word clock sync input and output
- Separate analog and digital output control
- Type IV™ conversion system
- 60dB of gain and +/- 15dB of output gain
- Selectable mic/line switch
- 48 volt phantom power
- 20dB pad
- 75Hz low cut filter
- Phase reverse
- Segment LED analog/digital



376

TUBE PREAMP CHANNEL STRIP WITH DIGITAL OUT

The 376 has taken the essential tools needed for recording and put them all on a single channel strip. The mic/line section on the 376 provides a 12AU7 vacuum tube and offers +48V phantom power, a phase invert switch, a high impedance 1/4" instrument input, 20dB pad, and low-cut filtering. The processing section offers a 3-Band parametric EQ, a classic dbx Compressor, and De-Esser. The 376 also offers digital output capabilities in both AES/EBU, and S/PDIF formats with selectable sampling rates including 44.1 kHz, 48 kHz, 88.2 kHz, or 96 kHz with selectable dithering and noise shaping as standard features. The LED meters provide a clear and concise visual of the signal processing at a glance. We think you'll agree that the 376 lives up to the uncompromising standards of dbx Professional Products.

- Tube microphone pre-amp
- 200V tube plate voltage
- Selectable mic/line switch
- +48 Volt phantom power
- 3-Band Parametric EQ
- Compressor
- De-Esser
- Front panel instrument input
- Drive meter LEDs
- Threshold and De-Esser meters
- 8 segment analog or digital meter
- Type IV™ conversion system
- Selectable sampling rate (96, 88.2, 48, 44.1kHz)
- 24, 20 and 16 bit wordlengths
- AES/EBU and S/PDIF digital outputs
- Selectable dither and noise-shaping algorithms
- Word clock sync input and output



FULL LINE



160A

COMPRESSOR/LIMITER

The 160A offers such time-tested features as switchable OverEasy® and hard knee compression, extremely wide threshold ranges, and controls for ratio and output gain. The 160A also includes true RMS level detection, providing the most transparent dynamics processing available—from smooth, subtle compression to “brick wall” peak limiting. Its electronically balanced output stage is an outstanding driver for long cable runs (an output transformer is optional). With its unique “INFINITY +” inverse-compression mode, the 160A actually decreases the audio output level below unity gain when the input exceeds threshold. You can even stereo-couple two 160A's to process a stereo mix without shifting the left/right image. The dbx 160A is truly the standard for dynamics processing.

- OverEasy® or classic hard knee compression with dbx's® ultra-musical program dependent attack and release times
- Compression ratio variable from 1:1 through infinity :1 to negative compression
- Precision dual RMS LED display monitors input or output and gain reduction over a wide range and calibrates for different operating levels
- Over 60dB of gain reduction available
- Exclusive Infinity+ compression allows negative compression
- Independent balanced and unbalanced outputs can drive 600 loads to +24dBm simultaneously. New floating balanced output stage drives any load
- Optional output transformer capable
- Strappable with another 160A for true RMS stereo summing operation



166xs

COMPRESSOR/LIMITER/GATE

With auto attack and release controls and separate precision LED displays for gain reduction, compression threshold, and gate threshold, the 166xs allows for quick and accurate setup. Using our True RMS Power Summing™ feature, the Stereo Couple mode provides you with a rock solid stereo image. The 166xs also makes advanced applications a breeze with full sidechain functionality, the ability to use either hard knee or OverEasy® compression algorithms, and the venerable PeakStop® limiter. The dbx® 166xs is the industry standard compressor/gate at a cost within everyone's reach.

- Goof proof operation to smooth uneven levels, add sustain to guitars, fatten drums or tighten up mixes
- New gate timing algorithms ensure the smoothest release characteristics
- Program-adaptive expander/gates
- Great sounding dynamics control for any type of program material
- Separate precision LED displays for gain reduction, compression threshold and gate threshold allow quick, accurate setup
- Stereo or dual-mode operation
- Balanced inputs and outputs on 1/4" TRS and XLR
- Side Chain insert
- Classic dbx® “Auto” mode
- dbx PeakStop® Limiter



FULL LINE

10 Series

1066 COMPRESSOR/LIMITER/GATE



Whether you're looking for "heavy" compression or subtle gain leveling, the 1066 stereo compressor/limiter/gate with selectable hard knee or OverEasy® compression is ideal. The 1066's compressor section allows you to set attack and release times manually or automatically using our convenient Auto Mode. In addition, our famous Contour switch allows you to smoothly compress entire mixes while preventing low frequencies from punching holes in the overall mix.

The 1066's gate section enables you to clean up unwanted frequencies or mic bleed using its frequency-dependent gain control and the Side Chain External button. With the Side Chain Monitor button and an equalizer, you can select which frequencies will trigger the gate. For overall speaker protection, our innovative PeakStopPlus™ technology prevents unwanted transients from blowing your drivers and minimizes the distortion common to many other "hard" limiters.

- Selectable auto (classic dbx®) or manual (variable Attack and Release) compression
- Contour switch removes unwanted low frequency information from detector circuit
- Selectable Overeasy® or Hard Knee compression modes
- PeakStopPlus™ limiting for setting maximum allowable level with minimal distortion
- SC Ext and SC Mon for setting up and monitoring external devices for gating function
- True differentially balanced gold-plated XLR and 1/4" inputs and outputs
- True RMS level detection
- Precision metering of input level, output level, and gain reduction
- True stereo or dual mono operation
- Switchable +4dBu or -10dBV operation per channel

1046 QUAD COMPRESSOR/LIMITER



Each of the 1046's four channels allows you to individually select between our classic OverEasy® or hard knee compression, as well as connect each channel for separate purposes. Additionally, our PeakStop-Plus™ circuitry is the most comprehensive limiting technology available. For easy interfacing with other devices, each of the 1046's channels also utilizes balanced, gold-plated XLR and 1/4" inputs and outputs and switchable +4dBu or -10dBV operating levels. The 1046 incorporates our standard-setting designs, state-of-the-art manufacturing techniques, and of course, our highly sought-after sound quality.

- Four independent channels of operation, stereo linkable in two pairs
- PeakStopPlus™ limiting control for setting maximum allowable level regardless of compressor settings
- Independent Threshold and Release controls
- Switchable OverEasy® or Hard Knee compression
- Classic dbx® compression
- Differentially balanced gold-plated XLR and 1/4" inputs and outputs
- True RMS level detection
- Precision metering of input level, output level, and gain reduction
- Dual True stereo or quad mono operation
- Switchable +4dBu or -10dBV operation per channel



FULL LINE

1074 QUAD GATE



The 1074 Quad Gate is the perfect companion to the 1066 and 1046. The 1074 offers 4 channels of gating with threshold, depth and release controls on each channel. The 1074, like the rest of the products in dbx's® 10 Series, is based on the legendary dbx V2 VCA and offers XLR inputs and outputs, and 1/4" side-chain input. In addition to an external key input per channel, the 1074 also has an internal filter that can be independently activated and controlled on a channel per channel basis. This filter allows the 1074 to not only clean up tracks but gives you frequency selective control on each gate, to open exactly when you want it to.

- Four independent channels of gating
- Independent key filtering
- Independent Threshold and Release controls
- Differentially balanced gold-plated XLR and 1/4" inputs and outputs
- True RMS level detection
- Stereo Coupling mode
- Switchable +4dBu or -10dBv operation per channel

266xs COMPRESSOR/GATE



The 266xs puts pleasing compression and smooth gating within reach of everyone. The classic dbx® compression delivers everything from mellow "leveling," to aggressive peak limiting. In addition, the 266xs's AutoDynamic™ circuitry continuously adjusts attack and release settings in real time in order to optimally match program material. The advanced gating circuitry in the 266xs uses a program-dependent timing algorithm to produce ultra-smooth release characteristics—even with complex signals. Thanks to the dynamic range of the dbx® VCA, the 266xs can provide reliable gating for any circumstance.

The 266xs also includes separate LED ladders measuring gain reduction, compression threshold, and gate threshold, making the 266xs intuitive and easy to use.

- Goof proof operation to smooth uneven levels, add sustain to guitars, fatten drums or tighten up mixes
- New gate timing algorithms ensure the smoothest release characteristics
- Program-adaptive expander/gates
- Great sounding dynamics control for any type of program material
- Separate precision LED displays for gain reduction, compression threshold and gate threshold allow quick, accurate setup
- Stereo or dual-mode operation
- Balanced inputs and outputs on 1/4" TRS and XLR
- Side Chain insert
- Classic dbx® "Auto" mode

The 266xs delivers everything from mellow "leveling" to aggressive peak limiting.



FULL LINE