

BBE®

PROFESSIONAL

ALL THE SOUND YOU'VE NEVER HEARD



BBE Sonic Maximizer

What it is and what it does.

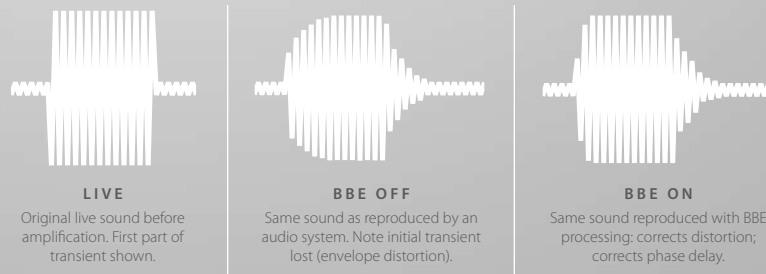
When we listen to live music, all of the highs and lows reach our ears in the same relationship to each other as when they were created by the instruments. If this same live music were to be recorded and played back through a loudspeaker system, the loudspeaker would introduce frequency-dependent phase shifting. The inductance of the speaker's voice coil creates a stronger impedance as the signal's frequency increases, resulting in a time delay. Consequently, frequency components with large negative phase shifts (high frequencies) arrive at the listener's ear later than signals undergoing small phase shifts (low frequencies). The resultant signal is distorted in the time domain to the listener's ear. Audio material containing sharp transients (e.g., percussive and plucked sounds such as drums, guitar, piano and harpsichord, etc.) suffers the most from this phenomenon, making it seem unfocused, or mushy.

In order to address these problems inherent in basic loudspeaker design, BBE Sound, Inc. has developed a circuit that has two primary functions. The first adjusts the phase relationships

of the low, mid and high frequencies. Since a loudspeaker's natural tendency is to add progressively longer delay times to higher frequencies, BBE sound technology adds progressively longer delay times to lower frequencies. This creates a kind of "mirror" curve to the time delay curve created by the speaker, neutralizing its phase distortion.

The second major element in BBE's sound technology is the augmentation of the higher and lower frequencies. Loudspeakers tend to be less efficient in their extreme treble and bass ranges. Most sound-reproducing systems include a circuit for boosting high and low frequencies, showing an accepted awareness of the loudspeaker's efficiency problem. The BBE system, however, provides a dynamic, program-driven augmentation which combines with the phase compensation feature to restore the brilliance and clarity of the original live sound. The result is, as one professional journal phrased it, "The most hearable advance in audio technology since high fidelity itself!"

ENVELOPE DISTORTION



882i

The 882i is a dual-mono Sonic Maximizer that features our fourth generation processing engine and perfectly suited for any studio, PA system, guitar/bass rig or any application that requires balanced connectivity.

Features include: A full-function Sonic Maximizer, +23dB of output headroom, balanced or unbalanced I/O, 115dB signal to noise ratio and Hard-wire bypass.

- **Frequency response**
 - Process mode: program controlled
 - Bypass mode: 10Hz to 50kHz, ± 0.5 dBu, 0dBu input
- **Signal to noise ratio** 115dB
- **Total harmonic distortion (THD)**
 - Process mode: less than 0.025% 20-20kHz
 - Bypass mode: less than 0.002% 20-20kHz

- **Maximum output** +23dBu
- **Input impedance** 14.7K Ohms
- **Output impedance** 600 Ohms
- **Sensitivity** -45dBu for maximum process
- **Maximum process** +12dBu boost at 5kHz
- **Lo Contour** +12dBu adjustment at 50Hz, 0dBu input



482i

The 482i is a dual-mono Sonic Maximizer that features our fourth generation processing engine and perfectly suited for any semi-pro studio, PA system guitar/bass rig or unbalanced/-10dB input headroom signal path.

Features include: A full-function Sonic Maximizer, +18dB of output headroom, unbalanced 1/4"/RCA I/Os, 112dB signal to noise ratio and Hard-wire bypass.

- **Frequency response**
 - Process mode: program controlled
 - Bypass mode: 10Hz to 50kHz, ± 0.5 dBu, 10dBu input
- **Signal to noise ratio** 112dB
- **Total harmonic distortion (THD)**
 - Process mode: less than 0.025% 20-20kHz
 - Bypass mode: less than 0.002% 20-20kHz

- **Maximum output** +21dBu
- **Input impedance** 47K Ohms
- **Output impedance** 1K Ohms
- **Sensitivity** -45dBu for maximum process
- **Maximum process** +12dBu boost at 5kHz
- **Lo Contour** +12dBu adjustment at 50Hz



NEW 382iSW Now with 4th-generation processing.

The 382iSW combines a full-featured Sonic Maximizer engine with an independent variable subwoofer low-pass filter output. Applications for this versatile unit include: mobile DJ rigs, nightclubs/theaters, studios and PA systems.

Features include: "Sub Woofer Control" with a variable low-pass filter (30-120Hz), full-function Sonic Maximizer, unbalanced 1/4"/RCA I/Os, 108dB signal to noise ratio and Hard-wire bypass.

- **Frequency response**
 - Process mode: program controlled
 - Bypass mode: 5Hz to 30kHz
- **Signal to noise ratio**
 - 108dBu process in
 - 120dBu process out
- **Total harmonic distortion (THD)**
 - Process mode: less than 0.1% at 1kHz
- **Maximum output**
 - +16dBu
- **Input impedance**
 - 47K Ohms
- **Nominal input level**
 - -10dBu
- **Output impedance**
 - 1K Ohms
- **Nominal output level**
 - +16dBu
- **Low-pass filter range**
 - 30-120Hz (variable)



NEW 382i Now with 4th-generation processing.

The 382i series delivers all the sound improving benefits of a Sonic Maximizer with the convenience of ganged-stereo operation, perfectly suited for any unbalanced studio, PA system or guitar/bass rig application.

Features include: A full-function Sonic Maximizer, +16dB of output headroom, unbalanced 1/4"/RCA I/Os, 108dB signal to noise ratio and Hard-wire bypass.

- **Frequency response**
 - Process mode: program controlled
 - Bypass mode: 5Hz to 30kHz
- **Signal to noise ratio**
 - 108dBu process in
 - 120dBu process out
- **Total harmonic distortion (THD)**
 - Process mode: less than 0.1% at 1kHz

- **Maximum output** +16dBu
- **Input impedance** 47K Ohms
- **Nominal input level** -10dBu
- **Output impedance** 1K Ohms
- **Nominal output level** +16dBu



MaxCom

The MaxCom is a professional and easy to use Dual channel Compressor/Limiter/Gate and Sonic Maximizer that provides live or pre-recorded material with clean, distortion free compression. Whether the goal is to control vocals, a stereo mix or just dial in hard limiting to protect your speakers, the MaxCom will accomplish your needs with the reliability and sonic excellence that professionals count on.

Features include:

A full-function fourth-generation Sonic Maximizer, world-class THAT Corporation VCAs, balanced or unbalanced I/O, dual bar-graph meters for each channel to indicate Input Level and Gain Reduction and a Key in and out via ¼" TRS.

- **Frequency response**
 - 20 to 20,000Hz
- **Signal to noise ratio**
 - More than 94dB
- **Total harmonic distortion (THD)**
 - Less than 0.05%
- **Threshold**
 - -40dBu to +20dBu
- **Compression ratio**
 - 1:1 to 11:1
- **Attack time**
 - 0.1 to 200 msec
- **Gate threshold**
 - Off to +10dBu



Max-X3

The Max-X3 is a professional 2-way stereo/3-way mono crossover and Sonic Maximizer, which offers a variety of options for any live sound application. The Max-X3 employs state-variable 4th-order Linkwitz-Riley filters to minimize phase inaccuracies in the crossover region, which is critical for the accurate summing of each driver in a speaker stack.

Features include:

2-way stereo/3-way mono crossover, full-function fourth-generation Sonic Maximizer, Linkwitz-Riley filters (24dB per octave), Servo-balanced XLR inputs, ¼" inputs/outputs, Low-cut subsonic filters for low frequency driver protection, phase inversion switching and over a 115 dB dynamic range.

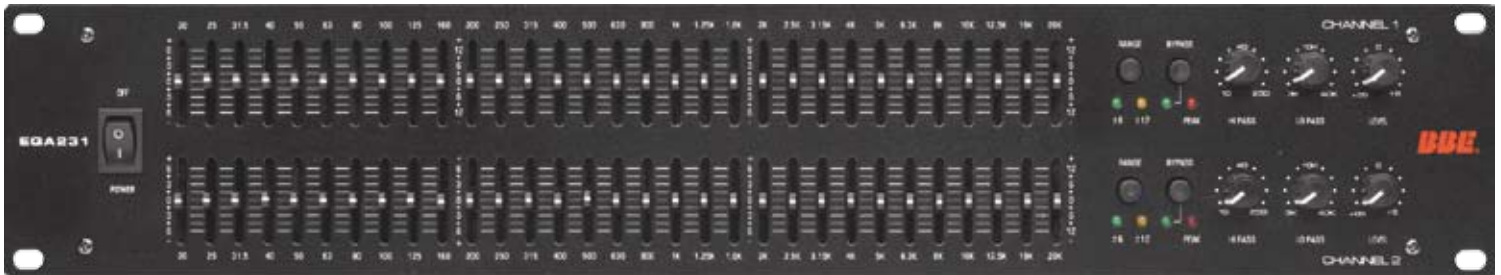
- **Crossover type**
 - Stereo 2-way/mono 3-way
- **Crossover frequency**
 - Low-mid range 1: 80Hz to 1kHz
 - Mid-high range 10: 800Hz to 10kHz
- **Filter type**
 - Linkwitz/Riley 24dB/octave
- **Inputs**
 - Type: balanced XLR and unbalanced ¼"
 - Impedance: 100kOhms
- **Outputs**
 - Type: balanced XLR and unbalanced ¼"
 - Impedance: 600 Ohms
- **Hum and noise**
 - Low section (output @ 0dB): -106dBu
 - High section (output @ 0dB): -97dBu
- **Signal to noise ratio**
 - 118dB



EQA-231

The BBE EQA-231 is a professional dual 31-band graphic equalizer. ideal for use in live sound rigs and installed setups such as studio, stage, DJ and sound contracting. The EQA-231 utilizes Constant-Q filters (constant bandwidth) this means that the bandwidth of each individual filter has a perfect balance between being narrow enough to prevent unwanted interaction between filters, yet wide enough to deliver exactly the type of correction curve for the ultimate in precision equalizing.

- **Constant-Q filters**
 - Variable low-cut filter from 10Hz to 250Hz (12dB/octave)
 - Variable high-cut filter from 3kHz to 40Hz (12dB/octave)
- **True hardwire bypass**
- **Balanced XLR or TRS input/output connections**
- **Clip indicator**
- **Line voltage switchable between 115 and 230 VAC operations**



EQA-215

The BBE EQA-215 is a professional dual 15-band graphic equalizer. ideal for use in live sound rigs and installed setups such as studio, stage, DJ and sound contracting. The EQA-215 utilizes Constant-Q filters (constant bandwidth) this means that the bandwidth of each individual filter has a perfect balance between being narrow enough to prevent unwanted interaction between filters, yet wide enough to deliver exactly the type of correction curve for the ultimate in precision equalizing.

- **Constant-Q filters**
- **True hardwire bypass**
- **Balanced XLR or TRS input/output connections**
- **Clip indicator**
- **Line voltage switchable between 115 and 230 VAC operations**



"Transients are enhanced, becoming more tactile, more present. Nuances in the high and low end are intensified; there is an added fullness and clarity. Stereo-program becomes more three dimensional, more spacious. Dense textures become more penetrable, with a more palpable space around each discrete instrument. This is powerful stuff. Maybe it's voodoo?"

—*Home Studio Recording magazine*

DS48

The DS48 loudspeaker management system features 4 inputs and 8 outputs with 10 configuration templates. Choice of operating and crossover modes includes: 4 x 2-way; 2 x 3-way + 2 aux; 2 x 4-way; 1 x 5-way + 3 aux, mono dist., stereo dist.; LCRS w/mono subs; 4 x 4 processor; and muted/flat startup.

Some of BBE's DS48 features include high performance limiters on each output, providing complete control over attack, release and threshold parameters, variable high and low pass filters and your choice of 6dB, 12dB, 18dB, 24dB, 48dB Butterworth, Linkwitz-Riley or Bessel frequency response curve.

Independent control of each high and low pass filter allows asymmetric crossover bands to be created.

The DS48 can also be controlled from a PC via the DS24's RS232 connection with the included software.

Along with XLR input/output connectors, DS48 comes complete with selectable line voltages between 90 and 250 VAC operations.

- 24-bit AD/DA, 48k sampling rate
- Internal 32-bit DSP processing
- Parametric EQ provides -40dB to +6dB of gain with frequency, gain and bandwidth adjustment
- Full limiter for each output
- 7ms delay per output
- RS-232 computer control



DS26

The DS26 loudspeaker management system features 2 inputs and 6 outputs, and has a 5-band parametric equalizer for each output. Outputs all feature crossover filters, 5-band parametric equalizer, selectable high and low shelving filters, fully featured limiter and delay. Full metering is provided for inputs and outputs, with mute and access buttons allowing quick set up and gain adjustment.

Other features included a choice of 12, 18 or 24dB/octave roll-off, and Butterworth, Bessel or Linkwitz-Riley responses.

Independent control of each high and low pass filter allows asymmetric crossover bands to be created.

The DS26 can also be controlled from a PC via the DS24's RS232 connection.

Along with XLR input/output connectors, DS26 comes complete with selectable line voltages between 90 and 250 VAC operations.

- 24-bit AD/DA, 48k sampling rate
- Internal 32-bit DSP processing
- Parametric EQ provides -40dB to +6dB of gain with frequency, gain and bandwidth adjustment
- Full limiter for each output
- 7ms delay per output
- RS-232 computer control



“As close as we’ve seen to a magic black box, the BBE Sonic Maximizer is probably the most cost-effective improvement you can add to your rig. It’s a top contender for the *Biggest Bang for the Buck* award.”

—*Guitar Player*

DI-400

The DI-400 is a high-quality professional-grade four-channel active DI box for touring sound applications and recording studios. It has a major advantage over other high-end rack-mounted DI's on the market, with built-in Sonic Maximizer™ processor, on each channel, which employs the BBE 4th-generation processing engine—just like the 482i and 882i Sonic Maximizer models. The DI-400 yields excellent results with active or passive bass guitars, keyboards, and both acoustic and electric guitars. The DI-400 is an excellent choice for transferring any musical instrument signal direct to a mixing console.

An “active” direct box, it's design is completely transformerless. Nothing to color your sound, it's transparency is the DI-400's greatest attribute allowing the free expression of your instrument's voice unfettered.

The four-channel design, with rear inputs as well as front inputs, allows it to be permanently wired and rack-mounted in a touring rig or recording studio effects rack.

- **Frequency response @ line out**
 - Process mode: program controlled
 - Bypass mode: 10Hz to 50kHz (± 1 dB)
- **Signal to noise ratio (per channel)**
 - BBE out: 118dB power supply (115dB 9v battery)
 - BBE in (@10): 115dB power supply (112dB 9v battery)
- **Total harmonic distortion (THD)**
 - BBE out: less than 0.005% at -10dBu input (20 to 20kHz)
 - BBE in: 0.05% (20 to 20kHz)
- **Noise**
 - BBE out: -105dBu
 - BBE in (@0): -94dBu
 - BBE in (@10): -85dBu
- **Input impedance**
 - Instrument: 1M Ohms
 - Line: 12k Ohms
- **Output impedance**
 - xlr: 600 Ohms
 - Line: 1k Ohms
 - (* 0dBu=0.775Vrms)



DI-100x

The DI-100x is a high-quality professional-grade active DI box designed primarily for recording applications, it was designed without compromise with paramount importance placed on maintaining the highest sonic integrity. Its major advantage over other high-end DI boxes on the market is its built-in Sonic Maximizer processor which employs the BBE 4th-generation processing engine—just like the 482i and 882i Sonic Maximizer models.

Some of the DI-100x's features include: a full function BBE Sonic Maximizer; 15dB pad switch; ground lift switch; recessed switches to reduce the opportunities for damage; no-slip full bottom pad to stop slippage and prevent ground contamination through chassis to chassis contact; and a full 5-year warranty.

- **Frequency response @ line out**
 - Process mode: program controlled
 - Bypass mode: 10Hz to 50kHz (± 1 dB)
- **Signal to noise ratio (per channel)**
 - BBE out: 118dB power supply (115dB 9v battery)
 - BBE in (@10): 115dB power supply (112dB 9v battery)
- **Total harmonic distortion (THD)**
 - BBE out: less than 0.005% at -10dBu input (20 to 20kHz)
 - BBE in: 0.05% (20 to 20kHz)
- **Noise**
 - BBE out: -105dBu
 - BBE in (@0): -94dBu
 - BBE in (@10): -85dBu
- **Input impedance**
 - Instrument: 1M Ohms
 - Line: 12k Ohms
- **Output impedance**
 - XLR: 600 Ohms
 - Line: 1k Ohms
 - (* 0dBu=0.775Vrms)
- **Power requirements**
 - DC inlet: +9VDC min. 200ma
 - Battery: 9VDC 15 hour life



DI-1000

The DI-1000 is perfect for the recording studios and has no sonic equal in any other direct box currently available.

The DI-1000 can operate as either a passive impedance matching device via the Jensen JT-DB-EP transformer, or as an active DI where the Sonic Maximizer circuit can be engaged with the signal still balanced at its output by the Jensen transformer.

Some of the DI-1000's features include: a full function BBE Sonic Maximizer; Jensen JT-DB-EPC transformer; purely passive or completely active operation; switchable 0/15dB/30dB pad switch; ground lift switch; internal pure-silver wiring; recessed switches to reduce the opportunities for damage; no-slip full bottom pad to stop slippage and prevent ground contamination through chassis to chassis contact; and a full 5-year warranty.

- **Frequency response @ XLR balanced out**
 - Process mode: program controlled
 - Bypass mode: 5Hz to 30kHz (± 1 dB)
- **Signal to noise ratio**
 - BBE out: 123dB power supply (118dB 9v battery)
 - BBE in (@10): 118dB power supply (113dB 9v battery)
- **Total harmonic distortion (THD)**
 - BBE out: less than 0.02% at -10dBu input (20 to 20kHz)
 - BBE in: 0.1% at -10dBu input (20 to 20kHz)
- **Noise**
 - Passive: -115dBu
 - Active (BBE in @0): -110dBu
 - Active (BBE in @10): -105dBu
- **Input impedance**
 - Instrument: 1M Ohms
 - Line: 12k Ohms
- **Output impedance**
 - XLR: 600 Ohms
 - Line: 1k Ohms
- **Phase deviation**
 - Passive: less than 1° @ 20Hz, 0° @ 1kHz
 - Active (BBE out): less than 11° @ 20Hz, 0° @ 1kHz
 - (* 0dBu=0.775Vrms)
- **Power requirements**
 - DC inlet: +9VDC min. 200ma
 - Battery: 9VDC 15 hour life



Magnum D.I.

The Magnum D.I. is a professional active direct box housed in a rugged, ergonomic 14-gauge steel chassis, military-grade PCB, 2-way selectable pad (0dB/-20dB), ground lift, and can be powered by +48v Phantom power.

- ¼" input (unbalanced)
- ¼" thru (unbalanced)
- +48v Phantom power status LED
- 2-way input pad selector (0dB/-20dB)
- XLR output (balanced)
- Ground lift switch





Stomp Boxes

Boutique doesn't mean expensive.

BBE stompboxes are not only 100% analog and designed in the USA, they are engineered and manufactured to specifically alleviate issues of reliability and inconsistency normally associated with vintage and homegrown manufactured effect pedals. Our pedals combine a boutique-style vibe with world-class engineering, low tolerance/high quality components, true hardwire bypass switching and a five year warranty, all at a price that every musician can afford.

Features

- True Hard-wire bypass switching
- Road-worthy aluminum chassis
- High grade components
- Blue LED status indicator
- Easy access 9-volt battery compartment
- Non-slip rubber bottom
- Five year warranty

NEW Bench Press™

Vintage Compressor

The Bench Press is a vintage compressor that was patterned after the long discontinued Ross compressor. The heart of the Bench Press is fueled by a NOS CA3080 OTA (Operational Transconductance Amplifier) and 1% metal film resistors for better fidelity and features an Attack control to offer players more flexibility than the original.



Boosta Grande™

Transparent clean boost

The Boosta Grande is a transparent clean boost that is designed to produce up to 20dB of clean gain and benefit the player needing more volume or gain without changing their tone.



Crusher™

High gain distortion

The Crusher is a high gain distortion with a passive 3-band EQ (bass, mid and treble) that provides the player with a wide range of distortion effects—from a mild crunch to over-the-top, in your face distortion.



Free Fuzz

Seventies silicon transistor fuzz

The Free Fuzz was patterned after a rare and sought-after silicon transistor fuzz pedal made famous by players like Jimi Hendrix in the late '60s. The Free Fuzz provides a wide range of creamy, dynamic fuzz effects with an almost endless amount of sustain for soloing and chunky rhythms.



Green Screamer

Vintage overdrive

The Green Screamer is a vintage overdrive capable of producing a wide dynamic range of smooth and warm overdrive tones associated with vintage tube amps.



Mind Bender™

Dual-mode vibrato/chorus

The Mind Bender is a dual-mode vibrato/chorus that utilizes a BBD (Bucket Brigade Delay) circuit and produces a wide range of lush vibrato/chorus and rotating speaker effects.



Tremor

Dual-mode analog tremolo

The Tremor is a dual-mode tremolo that utilizes an optical circuit to create a wide range of warm pulsating sounds normally associated with the "vibrato" effect of vintage tube amps. The Tremor offers the flexibility of two independent speed controls that are foot switchable to enable a player to select between a slow and a fast tremolo at the stomp of a switch.



Opto Stomp

Optical compressor

The Opto Stomp is a transparent optical compressor that provides players with a wide range of soft-knee compression effects, reminiscent of the best vintage optical-element compressors made in the '60s. Perfect for use with bass and acoustic instruments.



Two Timer™

Dual-mode analog delay

The Two Timer™ was inspired by the long discontinued DM-2 Delay, which was known for its warm, haunting reverb and tape-like echoes. The Two Timer offers two independent delay times foot switchable via the "time 1/time 2" mode switch. This makes it possible to have one delay set up for a short slapback rhythm sound while another is set to a longer delay for solos.



Sonic Stomp™

Sonic Maximizer™

The Sonic Stomp is a stompbox version of our ever-popular Sonic Maximizer. The Sonic Stomp was carefully designed to deliver the same sonic improvement as our rack-mounted 482i Sonic Maximizer, adding clarity, definition and punch to any instrument.



Wah

Sixties wah-wah

The Wah is based on a 1967 Class A circuit design that featured a unique Halo inductor. BBE has re-engineered and custom-tuned the Halo inductor and potentiometer to re-create the expressive tones made famous by players like Eric Clapton and Jimi Hendrix. In addition, we've added a harmony control to help fine-tune the Wah's Q/peak response, and hand-wired all components are for the ultimate in vintage authenticity.



Soul Vibe™

Sixties rotary speaker simulator

The Soul Vibe is a vibe/rotary speaker simulator known for its chewy phase-like textures made popular in the late '60s and early '70s by such players as Jimi Hendrix, David Gilmour and Robin Trower.



Supa-Charger™

Universal power supply

The Supa-Charger is a high performance universal pedal power supply that features: a custom wound "zero hum" toroidal transformer; eight outputs that are isolated, regulated and filtered; and a selectable input mains switch to accommodate 110-220 voltages, enabling the Supa-Charger to be used worldwide.



Acoustimax

BBE is at the forefront of audio technology which allows amplified music to sound more natural, and the latest generation of BBE High Definition Sound technology is a vital element to the new Acoustimax acoustic preamp. In the four years since BBE last offered its award-winning 386 acoustic preamp, BBE's design and engineering team studied the serious acoustic player's needs for both recording and sound reinforcement. The result is Acoustimax, a foot-pedal-style (or "stomp-box-style") acoustic preamp which raises the bar for amplified acoustic instrument sound quality. Acoustimax is packed with features including three band, recording-console quality eq with a sweepable mid -range band, low frequency notch filter, phase reversal, ground lift, line level out, dedicated tuner out and TRS effects loop, even a pre/post switchable-balanced DI output with pad. Other features include hardwire bypass, non-slip rubber bottom and the included 12v power supply.

- **Frequency response**
 - 50Hz to 20kHz
- **Treble** $\pm 12\text{dB}$ @ 10kHz
- **Mid** $\pm 12\text{dB}$ @ 400kHz to 2.5kHz
- **Bass** $\pm 12\text{dB}$ @ 60kHz
- **Notch** 0 to -12dB @ 70Hz to 250kHz
- **BBE**
 - Lo Contour: +15dB @ 50Hz
 - Process: +15dB @ 10kHz
- **Maximum output**
 - +10dBu @ instrument jack
- **Noise**
 - Instrument jack: -98dBv (unity gain)
 - Line out: -88dBv (+10dB gain)
- **Total harmonic distortion (THD)**
 - 0.05% @ 1kHz
- **Impedances**
 - Input: 2.2M Ohm
 - Tuner out: 2k Ohm
 - Line out: 1k Ohm
 - Instrument out: 2k Ohm
 - XLR out: 600 Ohm
 - ($* 0\text{dBu}=0.775\text{Vrms}$)
- **Power requirements**
 - DC inlet +12 VAC min. 200ma



BMAX

The BMAX is a high quality bass preamp/ processor with applications both in the recording studio and on the road in demanding live applications. The BMAX has the warmth and dynamic range usually found in all-tube designs and delivers the punch and clarity of the best tube preamplifiers.

At the heart of the BMAX is a class A/B front-end, the input of which emulates the loading effect that the input of classic-design tube preamp would present to the bass pickups, and one of the key aspects in the warmth and punch of tube preamps. The DI section is pure and clean with electronically- balanced output. 1% metal film resistors, military-spec PC board complete the no-compromise design of the BMAX.

- **Frequency response @ line out**
 - 15Hz to 30kHz $\pm 3\text{dB}$
- **Signal to noise ratio**
 - 100dB @ unity
- **Total harmonic distortion (THD)**
 - Less than 0.02%
- **Maximum output**
 - +22dBu
- **Noise**
 - -77dBu @ unity gain, eq flat
- **Input impedance**
 - Balanced XLR: 600 Ohms, pin #2 hot or "+"
 - Unbalanced 1/4": 1k Ohms
- **Output impedance**
 - Balanced XLR: 600 Ohms, pin #2 hot or "+"
 - Unbalanced 1/4": 1k Ohms
- **Interactive EQ**
 - Treble (boost only): 18dB @ 6kHz
 - Mid (cut only): 12dB @ 300Hz
 - Bass (boost only): 16dB @ 40Hz
- **Bright switch**
 - +8dB @ 5kHz, eq flat
- **Para-mids**
 - $\pm 12\text{dB}$ from 250Hz to 1kHz
 - ($* 0\text{dBu}=0.775\text{mVrms}$)



BMAX-T

The BMAX-T is a high quality tube bass preamp/processor with applications both in the recording studio and on the road in demanding live applications. At the heart of the BMAX-T is a class A, DC regulated tube preamp section which follows in the tradition of the classic tube preamp designs of the 50s and 60s.

The BMAX-T features a high voltage (300V) tube front end with hand-picked Groove Tubes 12AX7 tube, providing all of the pre-amp gain and passive interactive tone control. The high-end DI section is transformer-balanced with a genuine Jensen transformer for the ultimate in warmth and presence. 1% metal film resistors, military-spec PC board and custom-made toroidal power transformer complete the no-compromise design of the BMAX-T.

- **Frequency response @ line out**
 - 15Hz to 30kHz $\pm 3\text{dB}$
- **Signal to noise ratio**
 - 100dB @ unity
- **Total harmonic distortion (THD)**
 - Tube section: 1%
 - Post-tube section: less than 0.02%
- **Maximum output**
 - +22dBu
- **Noise**
 - -77dBu @ unity gain, eq flat
- **Input impedance**
 - Passive: 1M Ohm
 - Active: 100k Ohms
- **Output impedance**
 - Balanced XLR: 600 Ohms, pin #2 hot or "+"
 - Unbalanced 1/4": 1k Ohms
- **Interactive EQ**
 - Treble (boost only): 15dB @ 6kHz
 - Mid (cut only): 15dB @ 300Hz
 - Bass (boost only): 15dB @ 40Hz
- **Bright switch**
 - +10dB @ 10kHz, eq flat
- **Para-mids**
 - $\pm 12\text{dB}$ from 250Hz to 1kHz
 - ($* 0\text{dBu}=0.775\text{mVrms}$)



Sonic Sweet

BBE Sound, creators of the Sonic Maximizer and a leading manufacturer of professional and musical audio electronics, introduce the Sonic Sweet. The Sonic Sweet consists of three professional and easy to use Dynamics, Enhancement and Audio Enhancement plug-ins necessary for every facet of digital audio production.

Whether you're tracking, editing, mixing or mastering, the BBE Sonic Sweet will give your projects a professional touch.

Sonic Sweet supports sample rates up to 192kHz and is compatible with all AU, RTAS and VST host applications including ProTools, Logic, Cubase, Cakewalk and Digital Performer for Mac OS X, Windows 7, Vista and XP.

- **Operating system**
 - Windows XP
 - Windows Vista 32/64-bit
 - Windows 7 32/64-bit
 - Mac OS X (10.4, 10.5 or later)

- **Plug-in format**
 - Audio Unit
 - RTAS/AS-Pro Tools 7 software or later
 - VST 2.4

- **Sample rates**
 - Up to 192kHz sample rates supported



Stomp Ware

Stomp Ware is a suite of eight plugins modeled from our very own line of boutique analog stomp boxes. The suite consists of our **Free Fuzz** ('70 fuzz), **Green Screamer** (vintage overdrive), **Mind Bender** (vibrato/chorus), **Opto Stomp** (optical compressor), **Sonic Stomp** (Sonic Maximizer), **Soul Vibe** ('60 rotary speaker simulator), **Tremor** (vintage tremolo) and **Two Timer** (analog delay) to warm up every facet of digital audio production.

Stomp Ware supports sample rates up to 192kHz and is compatible with all AU, RTAS and VST host applications including ProTools, Logic, Cubase, Cakewalk and Digital Performer for Mac OS X, Windows 7, Vista and XP.

- **Operating system**
 - Windows XP
 - Windows Vista 32/64-bit
 - Windows 7 32/64-bit
 - Mac OS X (10.4, 10.5 or later)

- **Plug-in format**
 - Audio Unit
 - RTAS/AS-Pro Tools 7 software or later
 - VST 2.4

- **Sample rates**
 - Up to 192kHz sample rates supported



The BBE Technology

Founded in 1985, BBE Sound, Inc. develops advanced audio enhancement technologies for not only the music and professional audio markets, but is also a global leader in high definition audio enhancement technologies for the Consumer Electronics marketplace.

Manufacturers such as **Panasonic, Clarion, Philips, Cowon, Sony, Hitachi, LG** and many others proudly feature BBE technologies in products such as televisions, MP3 players, telephones, automobiles, and more.

Look for the BBE Sound logo on all your Consumer Electronics products. It is the indicator of superior sound quality.

"I heard better dynamics and cleaner sound . . . restores a proper stereo imaging and separation . . . 15-20% increase in apparent openness and separation . . . the results were excellent."

—*Stereophile*





BBE Sound, Inc.

5381 Production Drive, Huntington Beach, CA 92649

Tel: 714 897-6766 · Fax: 714 895-6728

www.bbесound.com