

EDB-2 VAP

Equaliser Direct Blender - Valve Alchemy Professional

**2 Channel Multi Function
Pre-amplifier, EQ D.I Blender
with Valve (tube) and analogue
Harmonic Enhancers**

Supremely versatile, pleasing
and trouble free Acoustic and
Orchestral amplification via
Pickups and Microphones



**SUPERIOR
ACOUSTIC
AMPLIFICATION
& CONTROL**

Acoustic & Orchestral Pre-amplifier • Blender
Pro Audio Valve (Tube) • Equalisers • D.I
Anti-Feedback • 48v,10v & 5v Phantom Power
Dual Action Harmonic Enhancers • USB Charger

FX Loops & expanded routing options -

For Pickups & Stereo option Microphones via D.C Powering or Battery Backup

Suitable for stage and recording, EDB-2 VAP provides a transformative, beautifully voiced, yet practical problem solving solution to the diverse and critical needs for high end acoustic musical instrument amplification.

EDB-2 VAP offers a huge range of gain to interface signals weak or strong with mixers and other sound processors, with a unique range of features, including highly effective but simple interactive EQ and Notch Filters plus warmth and "quack" beating valve (tube) response other versatile facilities to get the best possible trouble-free sound from amplified acoustic stringed instruments, with ease.

01. Features

Customer led expanded features, now dual instrument/ player friendly, blended 2 stage Valve "Rich Harmonics" and analogue "High Harmonics",

Now allows blending across two channels from Stereo Jack In combined with Phantom Powering option. Also 3 Phantom voltages, extra D.I Outputs and Pre/Post EQ

EDB-2 VAP expands the appeal of the line from purely acoustic strings applications into the worlds of archtop guitars, jazz, blues, electric guitar and broad orchestral & folk instrument applications

- **H.E.A.T.** – Harmonic Enhanced Analogue Technology with tuneable added "Rich & High Harmonics"
- Improved Class "A" Inputs & lower noise Pro Audio Circuits voiced for clarity and warmth, producing a huge 32dB of Gain
- Twin Channels with 2 sets of 5 Band Interactive EQ & 2 quiet Mute switches
- Phantom Power to jack & XLRs: 48v, 11v & 5v
- Mono, Stereo and Balanced Inputs, with two XLR INs, enabling Stereo true Condenser Microphones to be powered via 2 Channels
- 3 way Input Impedance switches on each channel with separate Input Impedance on Ch.1 tip and ring
- Send / Return and Insert Point provide FX Loops for optimal connection of effects or tuner, separately via both channels
- "Range" rotary controls on each Channel provide a variable High Pass Filter, rolling off low frequencies to optimise low end response
- Tuneable Notch Filter on either channel to defeat feedback and resonances on either channel
- Phase Reverse and Earth Lift switches to correct phase imbalance, feedback and ground hum

- Highly versatile mono, stereo or blended outputs via Line Out jack and two Balanced D.I. XLR's
- USB Charger Socket for digital devices
- BBC Pro Audio design panel layout for contrast and easy reading
- DC Power Supply included (as standard) 100v-240v. Low noise design
- Pre-amplifier mounting option via bracket
- Aluminium Enclosure / Supplied as standard with leather (PU) chest bag
- Long life, heavy feel controls that stay in position
- Comprehensive printed manual
- Designed in UK ~ Made in Poland (EU)

Congratulations on your astute purchase

Please read this comprehensive manual carefully
before powering on the EDB-2 VAP.

Text is also available on website:

www.HEADWAYMUSICAUDIO.com

02. EDB-2 VAP PRINCIPLES

EDB-2 VAP is a Valve Pre-amplifier or Analogue Audio Signal Processor with multiple features, offering huge reserves of gain and headroom to interface with a wide range of other devices, while offering problem solving and sound quality enhancement, at low noise.

EDB -2 VAP shapes and equalises uneven tones, warms up sound, beats piezo "quack" & feedback, offers audible string separation, enables two sound sources to sit together and sound better, setting input impedances, applying Phase Reverse, or cancelling hum loops.

Devices to interface with include mixers, effects pedals and rack units, powered monitor speakers, headphone amps, combo amplifiers and power amplifiers.

EDB-2 VAP offers two uniquely developed analogue H.E.A.T "Harmonic Enhancer" features

High Harmonics are perceived as an "audio sparkle", which add "Even Harmonics" 1-1.5 octaves above 1 kHz. This may replace the frequencies not fully amplified by your pickup or microphone, or where strings are corroded and sounding dull

"Rich Harmonics" adds "Even Harmonics" from the Blend control with 2 stage Valve perceived as warmth, mainly to mid and low frequencies, with some additional high harmonics.

The Valve provides a slower response which smooths off transient peaks taking off the Piezo "quack" for a pleasant and natural sound

Re-start instantly and quietly using Standby and the Mute

EDB-2 VAP is small enough for convenient transportation and is supplied as standard with Headway leather (PU) chest bag