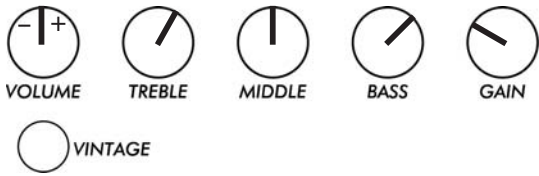


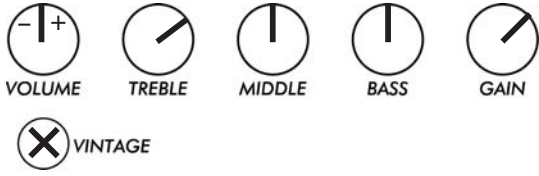
SAMPLE SOUND SETTINGS

The following examples below show a few of the many sonic possibilities of the EBS ValveDrive.

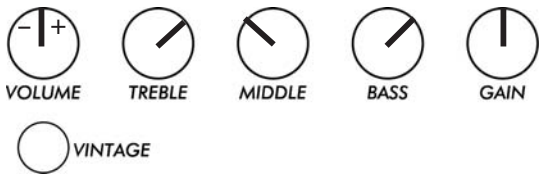
CLASSIC ROCK



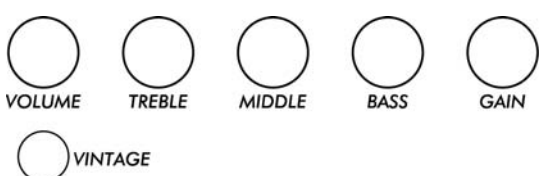
VINTAGE OVERDRIVE



CRUNCH



MY PERSONAL SOUND



USERS MANUAL



EBS PROFESSIONAL BASS EQUIPMENT



The EBS Team

We hope you'll enjoy using the EBS ValveDrive pedal!

The EBS ValveDrive tube preamp/overdrive pedal offers the possibility for classic and traditional warm tube sounds up to hard and pure tube distortion. The ValveDrive pedal can make your bass either glow or growl, whether you want your instrument to sing or scream.

Thank you for purchasing the EBS ValveDrive pedal!

INPUT JACK - Connect your instrument here.
PAD SWITCH (0dB/-10dB) - Selects operation for active or passive instruments. Press this switch if you are using an active instrument or using another pedal before the EBS ValveDrive.
DC POWER JACK - Connect the DC power supply to this jack. Use only a stabilized power supply if not original EBS adapter AD9+.
1/4" OUTPUT - Connect this output to an amplifier or another pedal.
BALANCED OUTPUT (XLR) - Use this output to connect to e.g. a mixing console or sound card.
GND LIFT SWITCH - Disconnects the ground from the balanced output.

REAR PANEL

VOLUME - Controls the overall volume of the EBS ValveDrive.
ACTIVE FOOTSWITCH - When the footswitch is pressed and the LED is red, the pedal is active. When deactivated the pedal is bypassed and the balanced output is muted. This is a true bypass switch.
VINTAGE FOOTSWITCH - Controls the character of the ValveDrive. When the LED is RED, the pedal is set to standard MODERN character. When the LED is YELLOW, the VINTAGE mode is selected. The vintage character changes the tube timbre, eq and compresses the signal over the gain stage.
BASS, MIDDLE AND TREBLE - The filter section of the EBS ValveDrive. Controls the timbre of the sound and is very useful for refining overdriven sounds. These filters are of classic passive style. Please refer to the filters section for more info.
GAIN - Controls the overall gain and amount of overdrive.

FRONT PANEL

THE CONTROLS

HOW TO CHANGE THE TUBE

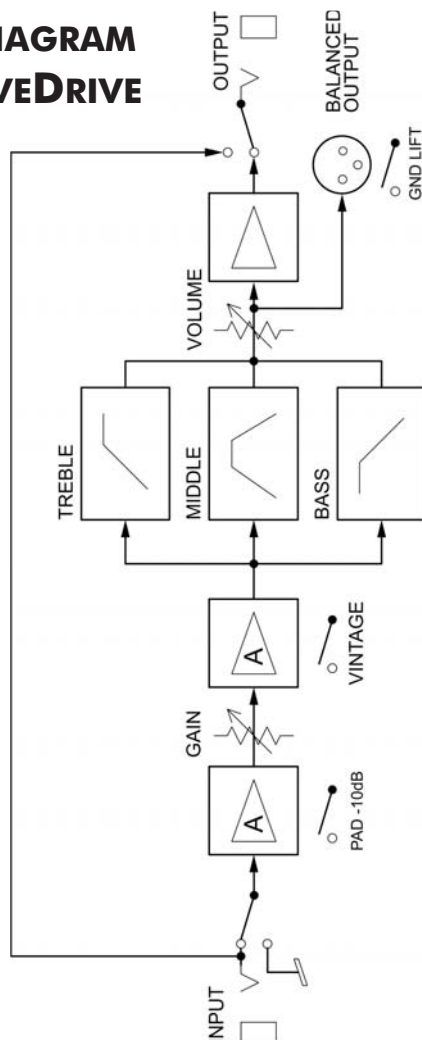
- 1) Remove the power from the unit and wait at least five (5) minutes.
- 2) Carefully remove the chrome tube cover by losing the four (4) holding bolts.
- 3) Replace the tube with same type, i.e. ECC83/12AX7.
- 4) Attach the four mounting screws using moderate tension.



WARNING!

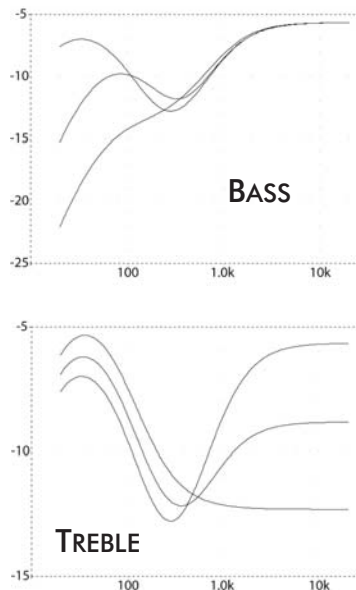
To prevent fire shock hazard, do not expose this appliance to rain or moisture. No user serviceable parts inside. Refer servicing to qualified service personnel.

BLOCK DIAGRAM EBS VALVEDRIVE



THE FILTERS

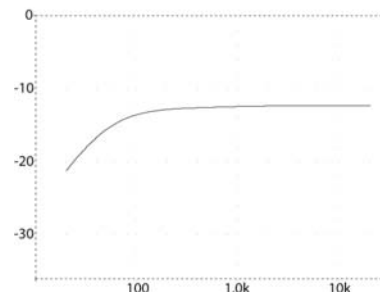
The EBS ValveDrive is equipped with classical style passive filters especially tuned for bass guitar. The following graphs show the frequency response of the BASS, MIDDLE and TREBLE controls.



Note: In each graph the other two controls are set to maximum position.

FLAT FREQUENCY RESPONSE

The special case when you want a flat frequency response from the passive filters is obtained when BASS and TREBLE controls are set to MINIMUM, and the MIDDLE control is set to MAXIMUM.



TECHNICAL SPECIFICATIONS EBS VALVEDRIVE

Nominal Input Level	-10 dBv
Pad Attenuation	10 dB
Input Impedance	1 Mohms
Frequency Response	35 - 20.000 Hz
Gain Range	- ∞ / +6 / +26 dB
Filter Section:	
Bass:	type: Bell
	Attenuation: 0 - 15 dB < 80 Hz
Middle:	type: Notch
	Attenuation: 0 - 12 dB @400 Hz
Treble:	type: Shelving
	Attenuation: 0 - 6 dB @5 kHz
Output Impedance	100 ohms
Nominal Output Level	Unbalanced: -10 dBv
	Balanced: -20 dBv
Tube Type	Ruby Tubes
Power Requirements	9V DC, 700 mA,
	Connection: Center Negative
Dimensions	Width: 135 mm (5.3")
	Height: 75 mm (3.0")
	Length: 165 mm (6.5")
Weight	960 g (2.1 lbs.)

Specifications are subject to change without notice.

