

# **Valvetech VT-300A**

**All Tube Bass Guitar Amplifier**

**Users Manual**

**EDEN**

**The Standard in Bass Sound**

Draft Copy: 1-20-2000

Congratulations on your purchase of this unique all tube amplifier. The VT-300 was designed for those who love the great vintage tone and gentle acoustic color of the old tube amplifiers. This is a hand crafted amplifier built with modern construction techniques and reliable printed circuits by people who care about sound and quality.

Thank you for choosing Eden. Please take the time to read this manual and to send in your warranty card.

## CAUTION

To reduce the risk of electrical shock, do not expose this unit to rain or moisture. Do not defeat the ground or polarization of the power plug. Do not operate the unit near sources of excessive heat. Do not obstruct the ventilation openings.

Your ears are your most important piece of equipment. Unfortunately, they cannot be replaced as easily as your other gear. Please take the following warning seriously.

This product, when used in conjunction with a sound source and loudspeakers or headphones, may be capable of producing sound levels that could cause permanent hearing loss. DO NOT operate at high volume levels or at a level that is uncomfortable. DO NOT place your ears next to the speakers. If you experience any discomfort or ringing in the ears or suspect hearing loss, you should consult a health care professional.

Please complete for your records

Date of purchase: \_\_\_\_\_

Model: \_\_\_\_\_

Serial Number: \_\_\_\_\_

Dealer: \_\_\_\_\_

## **Front Panel Features**

### **Input Jacks**

Designed to accept a standard ¼” mono phone plug. The Passive jack is for use with low output Basses and passive Basses. The active jack is for higher output Basses with active electronics.

### **Overdrive Control**

This switch shifts the amplifier into an ultra hi gain mode, suitable for a wide range of sound textures from clean to fat and all the way to saturated. With exact control through out the entire range. This works in conjunction with the gain control. The higher the gain control is set the more distortion can be generated. This function is also on the foot switch.

### **Gain Control**

This sets the channel gain for the system and lets you match the output level of your instrument to the amplifier. In the overload mode the gain control setting determines the amount of overload available.

### **Multi Q Equalizer**

The Multi Q Equalizer circuit uses a four band parametric E.Q.. It has preset centers, and fixed Qs or bandwidths that vary with center frequency. This is a very user friendly set up. You can tune in your sound in very quickly using this simple system. The center frequency spacing follows the natural content of the music and fits with the instrument very well.

### **Master Tone Controls**

The Master Bass and Treble controls are provided for very fast E.Q. of the system. They also combine with the Multi Q for even more tone shading. These are Hi Fi type shelving filters and effect a broad range of tone.

## **Master Level Control**

This controls the final drive to the amplifier. Use this to control your stage level. About mid point on the control should be normal for most playing situations.

## **Compressor Active light**

This indicates the activity of the compressor. When the LED lights up the compressor is functioning.

## **Compressor/Limiter On/Off switch**

This is located on the back panel of the original series and on the foot switch in the (A) series currently in production.

This turns the Compressor limiter on and off to the final output stage of the amplifier.

## **Damping Selector**

This unique feature is on the foot switch of the current (A) model. It allows the amplifier to be very flexible. In the low setting you get normal vacuum tube damping response. That is an open round soft low end that works well with 4 string Basses and traditional tones. In the hi position you get a tighter more defined sound suitable for slapping and more modern playing styles.

## **Standby**

This switch sets the amplifier in the standby mode. The filaments stay powered up but the hi voltage to the output tubes is removed so that they can not operate. This extends the life of the tube and allows for less stress during start up and power down.

## **Mains On/Off**

This turns the main power to the amplifier on and off.

## **Back Panel Features**

### **AC Power Inlet**

This is the main AC connection point. It is an IEC type inlet and also serves as the fuse carrier. Replace the fuse only with the same type and size as the original.

### **FX Loop**

This loop is located post the tone controls and sit just prior to the amplifier input.

### **Tuner Output**

This provides a full time output for connection to a tuner.

### **Direct Recording Output**

The direct recording output is fully balanced and has the ground lifted as the standard configuration. It is configured for both pre and post tone with the provided switch. The output level can be adjusted with the level control positioned next to the pre/post switch.

### **Speaker Impedance Selector**

This switch should be selected to match the impedance of the enclosure.  
Note: This should be done with the Amplifier turned off.

### **Speaker Output Connectors**

Connect the loudspeaker here. Connect the speaker before turning on the amplifier. Do not disconnect the speaker while the power is on.

## **Cooling System**

This unit uses a continuous flow cooling system that is always in operation when the power is on to the amplifier.

## **Output Tubes**

Your unit comes from the factory set up and fully run in for 6550 type output tubes. Optional EL-34 outputs can also be fitted to your unit. This requires that the bias be reset to match the selected tube type. Replacement tubes that match your output tubes are available from the factory. Look up the number on you output tubes and ask- for the same code number. You can generally replace on or two numerically matched tubes without re-biasing the amplifier. A full replacement set should always be re-biased by a qualified technician. Good quality matched output tubes will have better output power and longer service life than a poorly matched set will have.

## **Service**

If you have a question about the operation of your unit, or a service problem with your unit please call us at the factory () or at technical support (847-949-0444) and we will be happy to help you.

Your unit has a two year warranty with the exception of the tubes. The tubes are warranted for 90 days from date of purchase.

Eden Electronics Inc.  
P. O. Box 338  
310 first St.  
Montrose, MN 55363  
612-675-3650  
612-675-3651 fax  
[eden@eden-electronics.com](mailto:eden@eden-electronics.com)  
<http://www.eden-electronics.com>