



# **WT-1000 Users Manual**

**High Power Bass Guitar Amplifier**

# **EDEN**

**THE STANDARD IN BASS SOUND.**

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Congratulations on your purchase of the Eden WT-1000 Bass Instrument Amplifier. You have purchased what we feel is one of the finest bass amplifiers in the world. The WT-1000 produces 450 watts of pure power into 4 ohms (240 watts into 8 ohms) with min. 3db of dynamic headroom. This compact, rack mountable package houses modular circuits made with superior components and designed for years of trouble-free service.

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

## CAUTION!

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 combination 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: \_\_\_\_\_

## **General Specifications**

Size	3.5" x 19" x 14"
Weight	28 Lbs.
EIA rack	2 Space w/ min. clearance
Power Output	@ 8 ohm x 2 240 Watts RMS
Headroom	+3dB min.
Damping Factor	better than 100 from 20Hz to 1Khz
Slew Rate	128V/8us
Rise time	11us
Frequency Response	13Hz to 36KHz +/- 3dB
Distortion THD	.06 %

## **Power Requirements**

The WT-1000 needs a separate properly grounded 20 Amp circuit @ 120 Volts for correct operation and best sound quality. **FOR YOUR SAFETY DO NOT REMOVE OR MODIFIEY THE GROUND ON YOUR POWER CABLE.**

## **Fuse Requirements**

USA @ 120 Volts /60 HZ (12) Amps, 5 x 20 mm GMC/T/slow blow  
Europe @ 240 Volts/50 Hz (6) Amps, 5 x 20 mm GMC/T/slow blow  
Japan @ 100 Volts/60 Hz (14) Amps, 5 x 20 mm GMC/T/slow blow

## **Operation and power requirements**

For best electrical operation and sound quality this unit should have a properly grounded, dedicated 20 Amp circuit for itself.

## **Front Panel Features**

The WT-1000 has several unique features. Each channel is equipped with a volume control, tone shift control, and an output limit level indicator.

## **Volume Control**

This control sets the level of signal going to the amplifier output stage. The further the control is turned to the right the less signal is required to drive the amplifier to full output.

## **Tone Balance control**

The tone balance allows the player to adjust the entire audio spectrum with one simple control. The tone balance is a teeter totter type control. When the Bass is turned up the level goes up in the bass ,shifts back to neutral across the midrange and shifts lower in the treble ranges. The opposite happens when the treble control side is turned up.

This control is very useful in rooms with unusual or bad acoustic characteristics. For example in a room that is very dead or over damped , raising the treble level will allow the Bass to cut though better. If the room has too much bass the same solution will be helpful. In a very live or reverberant room turning down the treble will mellow out the Bass tone quickly without upsetting your normal tone control settings.

## **Limit LED**

This LED displays the amplifier maximum output condition and lets you know that the amplifier has reached full output. It's fine for the LED to blink often at high power operation . It should not however remain lit continuously. This LED also indicates that the internal limiter is engaging.

## **Signal path switching ( Stereo, Dual Mono, Mono Bridged)**

The WT-1000 has the input signal path switching on the front panel along with indicator LEDs. This allows for an easy set up of the signal routing and a highly visible display of the operating choices.

You can select Dual Mono (both channels see the same input), True Stereo (each channel has its own input left and right), or Mono Bridged ( both channels combine into one big channel and produce twice the power output). You can operate in Bridged Mono @ either 8 ohms or 4 Ohms with this unit.

## **Channel Output Indicator**

This LED indicates that the amplifier channel has reached maximum output and is going into limiting.

## **On / Off Switch**

This turns the unit on and off .

## **Front Panel Air Intake**

Do not obstruct the airflow to this intake.

## **Back Panel Features**

### **Inputs ( Balanced & Unbalanced)**

The inputs are configured as a Balanced/unbalanced TRS ( Tip, ring, sleeve ¼” jack ) and a 3 pin XLR balanced Mic. Connector. These are wired in parallel without buffers.

### **Signal outputs**

These are provided by TRS ¼” jacks with buffers (150 Ohms). Use these for linking to other amplifiers etc.

### **Main Power Amplifier Outputs**

NOTE\*\* Be careful with these connection points, this is a big amplifier. It can produce a lot of output voltage. It is possible to get a shock from any large audio amplifier under certain conditions.

The WT-1000 is provided with the following connections , 2 of the ¼” phone plug, 5 way binding post, and NL4 connectors.

## **AC Inlet and Fuse Holder**

Your unit is fitted with an IEC interface for universal AC cable connection. The fuse is selected for the country of operation (see list at front of manual). Replace the fuse **ONLY** with the same type and size as the original.

## **Airflow Exit**

Do Not Block This Exit. If the airflow exit becomes obstructed the amplifier will over heat and go into thermal limiting. The unit should be cleaned and serviced about once a year by a qualified technician.

## **Factory Service**

If you need service, encounter a problem or have questions about your amplifier please contact us @ Customer Service (847-949-0444) Monday through Friday.

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