

TUBE WORKS

Real TubeTM Rack

OWNER'S MANUAL

We thank you for your purchase of the most versatile and best designed tube preamp rack on the market. We are confident this product will meet your desires to acquire the Real "TUBE" sound.

TAKE TIME TO KNOW THE "RACK"

The rack is a very versatile unit. Please take the necessary time to look over this manual and become familiar with the basic layout of controls as well as the unique features. Take time and let your ears guide you through the tonal possibilities. The EQ sections have been carefully optimized for current and classic playing styles and have an extremely wide range of control. It is possible that you may be just a "tweak" away from your desired sound, so be patient and jot down the settings that you prefer most. Also become fully aware of the ranges of uses this product was designed for—everything from use as an effects rack to that of a stand-alone pre-amp.

APPLICATIONS OVERVIEW

The REAL TUBE RACK is more versatile than one might expect at first glance. While the basic design is an effects rack, it has several other functions as well. For example, it can be used as a stand-alone pre-amp for basic power amps of any power. The authentic "TUBE" sound is thus produced at a SPL (Sound Pressure Level) potentially exceeding any combo or stage amp made today! Another use finding great appeal is the use of the unit "direct to the board" in recording work. The inclusion of line level input and output jacks enables it to be used at high board levels for patches and loops.

Our experience has shown that in "direct to the board" use, it is generally advisable to reduce the settings of the "Hi" control to minimum or close to minimum.

FRONT PANEL CONTROLS (Left to Right)

BOOST SWITCH — Increases the amount of gain to the tube by 10dB. The switch is overridden when a footswitch line is connected to the "Boost" jack on the rear panel. Very useful when you want to switch between a rhythm crunch and a lead gain level.

BYPASS SWITCH — Switches the unit in and out of the effects chain. The Red LED is lit when the unit is active in the chain. This switch is also overridden when a footswitch is connected to the "Bypass" jack on the rear panel.

DRIVE CONTROL — Sets the amount of signal gain at the first stage of the tube. Increasing the setting of this control results in more sensitivity sustain of the tube overdrive section. This, as well as the next two controls listed, will have a great effect on the quality of the actual overdrive texture obtained as all three controls are "pre" drive.

CONTOUR CONTROL — Adjusts the amount of low frequencies or "bottom end" driven into the tube. Some players prefer a fatter, "Boogie" or "Fender" texture to their overdrive, while others prefer a more high-ended, "Marshall" type edge. Moving the control towards 10 gives a fatter sound. Moving the control towards "0" will give a thinner, (lower numerical settings,) for playing chords with the overdrive, while single string leads may sound better with higher settings, (more bottom end).

BIAS CONTROL — Actually adjusts the amount of cathode bias voltage of the tube stages, thereby regulating the amount of plate current. Non-technically speaking, this control has the effect of adjusting the overdrive characteristics from "hard" or "metallic" to "soft" or "compressed." A "10" setting gives the hardest, most direct sound. "8" actually gives the most sensitivity and warmth, but with some softening starting in. "0" may become too "mushy," but let your ears tell you what's best for your application. Note: Some DC noise is normal in this control when rotated.

MASTER CONTROL — Sets the overall output level of the rack.

HI CONTROL — Adjusts high end. Set at 1500 Hz and higher.

MID CONTROL — Adjusts mid-range frequencies. Center is 500-800 Hz.

LOW CONTROL — Shelves off lower frequencies from 100 Hz down.

POWER SWITCH — Supplies main AC power to the unit. The Green LED is lit when the power is on.

REAR PANEL LAYOUT (Left to Right)

LINE CORD — Be sure to connect the unit to the proper voltage source. The current draw is negligible. A maximum of only 6 watts is consumed, but the unit can be damaged be proper voltage ratings are not adhered to.

LINE OUT JACK — Line level out jack. This level will drive basic power amps, and operate at normal line levels (0 dBV).

INST. OUT JACK. — Instrument level output jack. This output should be used to conned the unit to the input of a regular "combo" or stage amplifier "instrument" input. Instrument levels are generally used in amplifier effects loops.

LINE IN JACK — Line level input jack. This can be particularly useful in the studio and with line-level equipment (0 dBV nominal levels). NOT A REGULAR GUITAR INPUT!

INST. IN JACK — Normal instrument input. This input would also be used for low level (normal) effects loops on most amplifiers. NOTE: The use of this input and the "Line Out" jack enables the rack to act as an instrument pre-amp for basic power amps. The "Inst. Out" jack should be used for normal effects loop operation.

FT. SW. BOOST & BYPASS JACKS — Permits the use of standard "on-off" footswitches to remotely switch the "Boost" and "Bypass" functions. Front panel "Boost" and "Bypass" switches are automatically overridden with footswitch use.

WARRANTY

Your TUBE WORKS product is warranted for a period of one year against defects in workmanship or materials in the electronic components. The speaker(s), reverb tank and cabinet (if applicable) are warranted for a period of ninety (90) days.

This warranty applies only to the original registered owner provided he/she has returned a completely filled-out OWNER'S REGISTRATION CARD within fifteen (15) days of purchase.

This warranty covers parts and labor only; shipping charges remain the sole responsibility of the owner. Damage due to misuse, modification or abuse is excluded from this warranty.

If service is required, you must contact Genz Benz Enclosures/Tube Works for a **RETURN MERCHANDISE AUTHORIZATION NUMBER (RMA)** by calling 480-941-0705. Whenever possible please use original packaging material for all returns, this will insure that the units are not further damaged in transit.

Manufacturer is not responsible for consequential or inconsequential damages resulting from any application or use of this product. Manufacturer and sales agents assume no liability or responsibility for safety or injury relating to the use of BLUE TUBE, and user agrees to hold manufacturer and designer harmless in this regard. This is the full extent of the warranty; no other warranties are implied or intended.

TUBE WORKS

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