

TUBE WORKS

Real TubeTM II 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 EZ 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 several mode combinations possible with the two channels plus the channel stacking feature.

APPLICATIONS OVERVIEW

The Real Tube II Rack is a two-channel tube preamp designed for guitar use. The wide input range of channel 2 allows it to remain clean even with high transient inputs. The stereo effects loop and adjustable send and receive levels aid greatly in achieving proper signal level and signal to noise ratio regardless of the effect used. This unit can be used with either basic power amplifiers or combo (Instrument level) amplifiers. We strongly recommend that you audition this preamp with our MosValve power amplifier, as this combination will insure optimum tone and performance.

FRONT PANEL CONTROLS (Left to Right)

CHANNEL SWITCH — Switches between channel 1 and 2. This switch is overridden when a footswitch line is connected to the channel jack on the rear panel.

STACK SWITCH — Switches the unit in and out of the “Stack” mode. BOTH Green and Red LEDs light in this mode. The stack mode (Stack switch up) is when Channel 1 is driven into Channel 2. With the stack mode selected, the “Channel” switch alternately selects Channel 2 (clean) and Stacked - Channel 1 into Channel 2. NOTE: All controls function in the Stack mode EXCEPT “Volume”. “Stack Master” is active only when the single Green LED is lit. This switch is also overridden when a footswitch line is connected to the “Stack” jack on the rear panel.

INPUT JACK — Standard guitar input. Wide-range for both Active pickups and Bass and Keyboards.

CHANNEL 1 CONTROLS

DRIVE CONTROL — Sets the amount of signal gain at the first stage of the tube for Channel 1. Increasing the setting of this control results in more sensitivity and sustain. This, as well as the next control listed will have a great affect on the quality of the actual overdrive texture obtained as BOTH "Drive" and "Contour" are PRE TUBE controls.

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 the more high-ended “Marshall” type edge. Moving the control toward “10” gives a fatter sound, while toward “0” will give a thinner, more biting tone. It is usually advisable to use thinner (lower numerical settings) for playing chords in overdrive, while single string leads may sound better with higher settings. (More bottom-end).

MASTER CONTROL — Sets the over-all output level of Channel 1. In the "Stack" mode, this control becomes a “Drive” control for the second tube Channel as well.

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

MID CONTROL — Midrange frequencies. Center is 500-800 Hz.

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

CHANNEL 2 CONTROLS

VOLUME — Signal gain level. This control functions only with the single Green LED lit. As channel 2 is primarily a clean channel, there is no dedicated master volume control; it is like an old 4-input “Marshall”.

STACK MASTER — This control is operational only in the "Stack" mode. It is functional only when BOTH LEDs are lit. This is the overall Master Volume control in the "Stack" mode.

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

LOW CONTROL — Shelves off lower frequencies from 100 Hz down. NOTE: In the “Stack” mode, BOTH EQ sections are active. Channel 1's EQ is between the tube output in Channel 1 and before the tube in Channel 2. Channel 2's EQ section therefore becomes the overall output EQ controls.

POWER SWITCH — Supplies main AC power to the unit. Either LED or both light (depending on mode selected) when 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 10 watts is consumed, but the unit can be damaged if proper voltage ratings are not adhered to.

LINE OUT JACK (Ch A) — Line level output jack. This level will drive basic power amps, and operate at nominal line levels (0 dBm). Use Channel A for MONO operation, however an identical signal is available at Channel B line output in MONO operation.

INST. OUT JACK (Ch A) — Instrument (guitar) level output level jack. This output should be used to connect the unit to the input of a regular combo or stage amplifier instrument input.

LINE OUT JACK (Ch B) — Line level output jack. This level will drive basic power amps, and operate at nominal line levels (0 dBm).

INST. OUT JACK (Ch B) — Instrument (guitar) level output level jack. This output should be used to connect the unit to the input of a regular combo or stage amplifier instrument input.

EFFECTS SEND LEVEL — Adjusts level output for effects send.

EFFECTS SEND JACK — Effects send (OUT).

EFFECTS RECEIVE LEVEL (Ch A) — Adjusts receive sensitivity for Channel A effects.

EFFECTS RECEIVE JACK (Ch A) — Effects receive jack for Channel A. NOTE: Use only this jack for receiving MONO effects. The signal will automatically be fed into Channel B receive. Both receive level controls can be adjusted (Use both A and B input jacks for receiving true stereo or "panning" effects).

EFFECTS RECEIVE JACK (Ch B) — Effects receive jack for Ch B. NOTE: True Stereo operation is obtained when using a stereo or "panning" effects device plugged into both A & B Effects Receive Jacks. Stereo outputs A & B (both line and instrument level) can then be routed to either a stereo power amp, or two separate combo amps, etc.

DRY OUT JACKS — Both Line and Instrument level output jacks for dry (before and independent of effects section) signal. These outputs can be used for monitoring and/or additional effects, remote patching applications, etc.

FT. SW. STACK & CHANNEL JACKS — Permits the use of standard "on-off" footswitches to remotely switch the "Stack" and "Channel" functions. (Front panel "Stack" and "Channel" switches are automatically overridden with footswitch use.) NOTE: These jacks are Positive signal-to-ground switching logic and should operate with MIDI switchers, which use positive open collector switching schemes.

WARRANTY

Your TUBE WORKS product is warranted for a period of three years 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.

TUBE WORKS

a division of Genz Benz Enclosures, Inc.
7811 E. Pierce St. ♦ Scottsdale, AZ 85257
Ph: 480-941-0705 Fax: 480-946-2412
www.genzbenz.com