

Model 9002

Real Tube 2 Rackmount Preamp

Owner's Manual

The 9002 Real Tube 2 Rack is a two-channel tube preamp designed for guitar use. The wide input range of channel 2 (Clean channel) 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. The 9002 can be used with either basic power amplifiers or combo guitar amplifiers. ***We strongly recommend that you audition the 9002 with our MosValve power amplifier, as this combination will insure optimum tone and performance.***

FRONT PANEL CONTROLS

(Left to Right)

1. **CHANNEL SWITCH:** Switches between channel 1 and 2. This switch is overridden when a footswitch is connected to the "Ft. Sw" jack on the rear panel.
2. **STACK SWITCH:** Switches the 9002 in and out of the "Stack" mode. BOTH the Green and Red LED's will 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 Green and Red LED's are both lit. This switch is also overridden when a footswitch is connected to the "Ft. Sw" jack on the rear panel.
3. **INPUT JACK:** Standard guitar input. This input will accept a wide range of levels for both Active or Passive guitar pickups, as well as Bass or Keyboards.

CHANNEL 1 CONTROLS

4. **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 overdrive and sustain. This, as well as the contour control will have a great effect on the quality of the actual overdrive texture obtained, since both "Drive" and "Contour" are PRE-TUBE controls.
5. **CONTOUR CONTROL:** Adjusts the amount of low frequencies, or "bottom end" driven into the tube. Some players prefer a fatter, American style texture to their overdrive, while others prefer the brighter, British style 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 less contour for playing chords in overdrive, while single string leads may sound better with more contour.
6. **MASTER CONTROL:** Sets the overall output level of Channel 1. In the "Stack" mode, This control becomes a "Drive" control for the second tube Channel as well.
7. **HI CONTROL:** Adjusts the high frequencies, 1500 Hz and above.
8. **MID CONTROL:** Adjusts midrange frequencies, centered between 500-800 Hz.
9. **LOW CONTROL:** Shelves off lower frequencies below 100 Hz.

CHANNEL 2 CONTROLS

10. **VOLUME:** Signal gain level. This control only functions when the 9002 IS NOT in Stack mode. As channel 2 is primarily a clean channel, there is no dedicated master volume control; it behaves like an old non-master volume British amp.
11. **STACK MASTER:** This control is operational only in the “Stack” mode. It is functional ONLY when BOTH LED’s are lit. This is the overall Master Volume in the “Stack” mode.
12. **HI CONTROL:** Adjusts high frequencies, 1500 Hz and above.
13. **MID CONTROL:** Adjusts midrange frequencies, centered between 500-800 Hz.
14. **LOW CONTROL:** Shelves off lower frequencies below 100 Hz.

NOTE: In the “Stack” mode, BOTH EQ sections are active. Channel 1’s EQ is after the tube output of Channel 1 and before the tube in Channel 2. Channel 2’s EQ section therefore becomes the overall output EQ.
15. **POWER SWITCH:** Supplies AC Mains power to the 9002. Either or both LED’s will light (depending on mode selected) when the power switch is in the up or “1” position.

REAR PANEL LAYOUT

(Left to Right)

1. **VOLTAGE SELECTOR:** Set the Voltage Selector to correspond to your local voltage.
2. **POWER INLET:** Connect the appropriate AC cable to this inlet. The AC Mains fuse and a spare are located in the compartment at the bottom of the inlet.
3. **LINE OUT JACK (Ch A):** Line level output jack. This level will drive basic power amps, and operates at nominal line level (0 dBm). Use Channel A for MONO operation; an identical signal is also available at the Channel B line output in MONO operation.
4. **INST. OUT JACK (Ch A):** Instrument (guitar) level output jack. This output should be used to connect the 9002 to the input of a regular combo style amplifier input jack.
5. **LINE OUT JACK (Ch B):** Line level output jack. This level will drive basic power amps, and operates at nominal line level (0dBm).
6. **INST. OUT JACK (Ch B):** Instrument (guitar) level output jack. This output should be used to connect the 9002 to the input of a regular combo style amplifier input jack.
7. **EFFECT RECEIVE LEVEL (Ch A):** Adjusts receive sensitivity for Channel A effects.
8. **EFFECT RECEIVE JACK (Ch A):** Effect 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 may be adjusted independently. Use both A and B input jacks for receiving true stereo or “panning” effects.
9. **EFFECT RECEIVE LEVEL (Ch B):** Adjusts receive sensitivity for Channel B effects.
10. **EFFECT RECEIVE JACK (Ch B):** Effect receive jack for channel B.
NOTE: True Stereo operation is obtained when using a stereo or “panning” effects device plugged into both A & B Effect Receive Jacks. Stereo outputs A & B (both line and instrument level) may then be routed to either a stereo power amp or two separate combo amps.
11. **EFFECT SEND LEVEL:** Adjusts effect send output level.

12. **EFFECT SEND JACK:** Effect send (output).
13. **DRY OUT LINE LEVEL JACK:** Line level (0 dBm) dry (before and independent of effects section) signal. This jack may be used for monitoring and/or additional effects, remote patching applications, etc.
14. **DRY OUT INST. LEVEL JACK:** Same signal as the Dry Out Line Level Jack, but at Instrument Level (-20 dBm).
15. **INPUT JACK:** This rear panel input jack overrides the front panel input jack.
16. **FOOTSWITCH JACK:** Permits the use of a 2 button footswitch with a stereo ¼" plug to remotely switch the "Stack" & "Channel" functions. The "Tip" of the plug switches the "Stack" function, and the "Ring" of the plug switches the "Channel" function. The front panel "Stack" and "Channel" switches are automatically overridden when a footswitch is plugged into this jack.

NOTE: These jacks are **Positive** signal-to-ground switching logic and **should** operate with MIDI switchers which use positive open collector switching schemes.

WARRANTY AND REGISTRATION

Your **Tube Works** product is warranted for a period of three years against defects in materials and workmanship in the electronic components. The tubes, speakers, 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, please write out a detailed explanation of the trouble you are experiencing and any symptoms that are present. Include your name, address, and day and evening phone numbers we can return your unit promptly and enable our technical staff to reach you if they have any questions. Whenever possible please use original packaging materials for all returns; this will insure that the unit will not be further damaged in transit. Before returning any unit for service, a RETURNED MERCHANDISE AUTHORIZATION NUMBER (RMA#) must be obtained by calling 800-326-0269 during normal business hours (Mountain Standard Time).

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