

# TUBE WORKS

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## ProValve 60-T Owner's Manual

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Congratulations on your purchase of the ProValve 60-T. ProValve is the original brainchild of BK Butler. ProValve is an all-tube powered version of the classic Tube Driver amp (model 752). Actually the concept dates back to 1979 when he introduced the original Tube Driver pedal. The ProValve 60-T Amp incorporates the original E.Q. of the now classic Tube Driver pedal in the overdrive channel, and adds the finest clean tones available in the second channel.

You get all this along with our unique balance transformer-driven twin 6L6 tube power amplifier section for unparalleled tonality in a medium-priced rig. Rated at a full 60 Watts, this new amp will deliver plenty of fat sustain and volume. With the convenient Impedance Selector switch, you will not find many tube amps that can compete with this amp no matter how high the price!

### IMPORTANT FEATURES

**Real tube overdrive in Tube channel** — TUBE is carefully matched and optimized to your ProValve's unique characteristics and tone.

- 60 Watt 6L6 Tube power section
- Traditional, classic Tube Driver E.Q.
- Special channel summing switch to parallel channels
- Hand-built and wired in USA
- Identical British-coned, American-made 100W-rated speaker
- Built to last with rugged components - Hand-built construction
- 3-spring reverb
- Rugged Ozite or Tolex-covered enclosure for exceptionally long-life and good acoustic isolation properties
- LED indicator footswitch included

Your new ProValve amp bears a classic tradition. Completely designed from the ground- up by the original creator of the vintage Tube Driver and Real Tube pedals plus MosValve amps, it is destined to become another Tube Works classic. Take a few moments to familiarize yourself with the controls and features as outlined in this manual.

## FRONT PANEL FEATURES

LEFT TO RIGHT (Right to Left on head version)

**"TUBE DRIVE" SWITCH** — Selects either TUBE DRIVE (Channel 1), or CLEAN (Channel 2). Red LED indicates Channel 1 is on. Footswitch jack insertion (rear panel) cancels the operation of this switch.

**CH. 1 & 2 SWITCH** — When this switch is in the "up" position, both channels may be paralleled and will be heard together when the Tube Drive switch is set to the Tube Drive position (up). With Ch. 1 & 2 switch up and Tube Drive switch set for Clean channel (down), only the clean channel will be heard. When Ch. 1 & 2 switch is in the "down" position, the Tube Drive switch will select separately between Tube and Clean channels,

**INPUT JACK** — Extremely wide-range input allows plenty of headroom for all types of guitars.

**TUBE DRIVE** — Adjusts the amount of gain for overdrive tube. Careful attention has been given to produce the most overdrive/sustain possible without creating unnecessary noise and feedback.

**RED LED** — Indicates that the Tube Drive (Channel 1) has been selected.

**TUBE MASTER** — Adjusts the amount of output volume from the Tube Drive channel.

**HI, MID, LO** — Classic, passive 3-band E.Q. to enhance the ProValve 60's unique tonal response.

Frequencies: HI ..... 3.5 KHz (upper shelving)  
MID..... 800 Hz (center)  
LO..... 150 Hz (lower shelving)

**CLEAN GAIN** — Adjusts gain level of clean channel. Classic, extremely warm and tubey tonality is produced. Lows are especially well-balanced.

**HI, MID, LO** — Identical operation and frequencies to Tube Drive (Channel 1), however the over-all baseline E.Q. has been optimized for clean and rhythm styles.

**REVERB** — Adjusts amount of reverb signal is mixed into the output. Reverb can be cancelled anytime by the footswitch, or by turning the control to "0."

**STAND-BY** — Turns on or off "B+" voltage to the power tubes. This enables the tubes to remain warm while disabling the power output.

**POWER** — Supplies main power to the amp. Be certain that the proper voltage is supplied to the amp. The proper voltage for your unit is indicated just below the fuse holder on the rear panel.

## REAR PANEL FEATURES

LEFT TO RIGHT (Right to Left on head version)

**POWER INPUT CORD** — Heavy-duty cord supplied to the requirements of your local. In USA: Connect only to 110-120 VAC, 60 Hz. Always use grounded outlet (3 terminal) to avoid operating problems and to increase safety margin.

**FUSE** — Use fast-blo 3 Amp for 120 VAC or 1.5 Amp for 220-240 VAC models. Always replace with the same type and size fuse.

**SPEAKERS** — Connect only to speakers. Either 2 - 16 ohm, 2 - 8 ohm or 1 - 4 ohm speaker or cabinet combination. Combo amps: the speaker supplied is 8 ohm, enabling you to add one or more extension 8 ohm speakers. (Change impedance selector to "4 Ohms.") - See Notes section. Any questions; please consult a qualified person.

**IMPEDANCE SELECTOR** — Matches output transformer to speaker. See Notes section.

**LINE OUT** — Attenuated signal from the output of the amp. All the tone of the amp, including the tube output coloration is available at this jack. Potential applications: Slaving to other combo or power amplifiers and recording.

**FOOTSWITCH** — Stereo-type jack which switches both Channel and Reverb. Tip of the jack is Reverb; ring is Channel. Note: Electronic and MIDI switcher—Channel switch is VC positive to ground. Reverb is simple shorting.

**EFFECTS SEND** — Proper send level for most effects devices. Connects to the "in" or "guitar" jack of your effects. Can also be used as a D.I. (Direct Input) to a mixing console or recorder.

**EFFECTS RECEIVE** — Unity buffered input from effects devices. Connects to the "out" or "amp" jack of your effects. Can also be used as a direct Power Amp section input.

NOTE: A common problem many encounter while using effects devices is "ground loops." A ground loop is often caused when an effects device, mixing board or tape recorder equipped with a 3-prong AC cord are connected together with audio cables. The electrical difference between the AC ground (at the AC plug) and the signal ground (audio cords) is amplified. This may result in increased hum levels and in some cases high-pitched squeals or oscillation at high gain settings of the amp. The solution is often to use the same outlet strip for all equipment rather than plugging into various separate outlets. In extreme cases it may be necessary to isolate the AC grounds. If this is attempted, consult a qualified technician to insure safety. Tube Works cannot recommend the disabling of any 3rd prong grounding plugs.

## OPERATION NOTES

- Never operate this or any other tube amplifier without a speaker connected to it! An open or "no load" condition on output transformers can lead to internal damage.
- Never use shielded speaker cables. Use only non-shielded, IS Gauge or larger speaker cables.
- Use speakers capable of at least 80 Watts RMS (although this amp is rated at 60 Watts, typical overdrive conditions require higher wattage speakers). Manufacturer is not responsible for any speaker failure while using this equipment.
- For maximum output volume, use proper impedance selection. Mismatched speaker loads will generally not damage either the amp or your speakers, but will affect maximum output power and acoustic volume. Use this as a guide for proper switch settings:
  - Single Speaker: ..... Set switch to match
  - 2 x 16 Ohm: ..... Set to 8 Ohm
  - 2 x 8 Ohm: ..... Set to 4 Ohm
- Provide adequate ventilation. Take care to allow as much air flow as possible by not blocking the back of the amp.

## 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.

# 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](http://www.genzbenz.com)