

# TUBE WORKS

# 6130



12AX7 Tube Hybrid Guitar Combo

# OPERATION MANUAL

## FEATURES:

- FET/12AX7 Tube channels
- Alesis® Digital Effects with 15 Presets
- 3-band Active EQ
- Effects Loop
- 12" Celestion® Loudspeaker
- Extension speaker jack
- Bottom tilt-back handle design
- Dimensions: 19"H x 18"W x 11"D
- Weight: 38 lbs.

The New 6130 DFX Tube Hybrid Guitar Combo combines some of the modern hard-edged transistor grind with the classic rounded tone of a real 12AX7 Tube! Additionally, the new generation Alesis® 24-Bit DSP provides a variety of pleasing studio quality digital effects.

This combination along with the characteristics of the Celestion® 12" loudspeaker offers unique versatility in tone and gain structure for the discerning player.

After all ...

***LIFE IS TOO SHORT FOR BAD TONE!***

## OPERATION:

**INPUT** — Standard 1/4" input with an impedance of approximately 500K ohms, which we determined provides the best response from all pick-ups currently available and is the basis for the smoothness of the tonal response, consistency of sustain and an over all reduction of noise. Additionally, the precision input scaling preamp contains a 40 Hz, 12db/octave high-pass filter and an "RFI" filter to eliminate bleed-through from radio interference.

**CHANNEL SELECT SWITCH** — This push-button switch selects between the CLEAN and TUBE OVERDRIVE channels. This function uses noiseless dual FET switches for studio quality operation. When using a single button footswitch, this button is defeated.

**CLEAN CHANNEL** — This channel is constructed using a monolithic FET network for natural clean tone. The tone is natural and open, lending itself readily to any musical style. Whether playing soft or hard, the responsiveness of the clean preamp is punchy and articulate.

**TUBE DRIVE CHANNEL** — Using a real 12AX7 dual triode preamp tube in our classic TUBE-DRIVER™ topology, we make this tube's two discrete gain stages do things previously considered impossible. The **TUBE GAIN** control uses "loop feedback" to control the drive level to the tube over a very wide range. This allows for settings that include clean, overdrive and over-the-top distortion that are completely responsive to your individual playing style. Set for clean or over-the-top, this preamp is warm, rich and full of natural harmonics. The **TUBE VOLUME** control sets the overall volume of this channel. The noise floor and microphonics of this tube circuit are exceptionally low, even at super-high gain settings.

**MASTER 3 BAND EQUALIZATION** — The 6130's main equalization is a wide range 3-band active equalization network. A "flat" setting is obtained with the controls at the 12 o'clock position.

**ALESIS® DIGITAL EFFECTS** — This state-of-the-art DSP utilizes 24-Bit technology for its processing and D/A—A/D conversion. Effects include: 3— Plate Reverbs, 3— Room Reverbs, 2— Hall Reverbs, 1— Rotary Speaker, 1— Chorus/Room, 1— Chorus/Plate, 1— Chorus, 1— Flange, 2— Delays and 1— Bypass.

**EFFECTS LEVEL CONTROL** — This controls the amount of effects returned back from the on-board DSP. This does not control any out board effects patched into the effects loop.

**EFFECTS SEND/RECEIVE JACKS** — The 1/4" send jack provides a nominal -10dB output signal to drive any common effects processor with "wet/dry mix control". This jack is configured as an "insert" jack and interrupts the signal between the preamp and the power amp. *The send jack can also be used as an unbalanced line level output.* The 1/4" return jack is used to return the processed signal back into the amplifier. This jack contains a switch that automatically opens the return jack signal loop when processing is used. The "mix" control on the effects device is now used to set the balance between the "wet" (processed only) and the "dry" (unprocessed) signals. *Using the effects loop does not cancel the on-board DSP effects.* This allows for some creative multi-effects possibilities. To cancel the on-board DSP, switch the encoder to the "bypass" position, or turn the effects level control to "0".

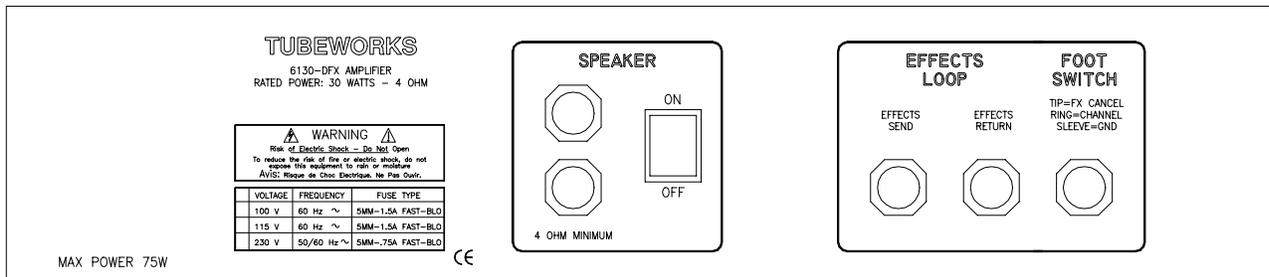
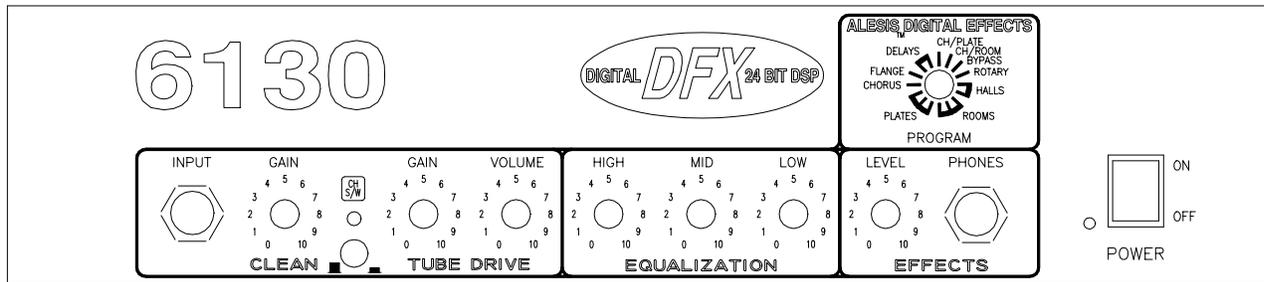
**CHANNEL and EFFECTS CANCEL FOOTSWITCH JACK** — This tip-ring sleeve jack will accept any 2-button push-on, push-off style footswitch (footswitch not included) which duplicates the channel switching function via a standard 1/4" (tip-ring sleeve) jack. Any switch providing a sustained contact closure may be used. TIP=EFFECT CANCEL, RING=CHANNEL SWITCH.

**SPEAKER ON/OFF SWITCH** — Used to turn off the 12" speaker when using the headphone jack. This is a great feature for silent practicing.

**HEADPHONE JACK** — Used to connect standard headphones (8-600 ohm). This output is short circuit protected. CAUTION—Protect your ears!!

**POWER SWITCH** — Turns the AC main power on and off, indicated by the green LED.

**SPEAKER and CABINET** — The 6130 uses a 12" Celestion™ speaker, perfectly matched to the closed back style cabinet. A bottom mounted tilt-back handle is provided so the amp can point up towards the performer. Finished in a textured vinyl finish, the cabinet sports a clean, no nonsense look that shows that it is a serious music-making machine.



**WARRANTY:**

- Genz Benz Enclosures, Inc. warrants the model 6150 & 6190 to be free from defects in materials and workmanship for a period of 3 years from the date of purchase, when purchased from an authorized Genz Benz dealer.
- This warranty does not cover normal wear and tear incurred from the normally designed use of the product.
- This warranty is effective only if a copy of the original sales receipt is presented at the time of warranty service
- This limited warranty is completely transferable to any subsequent buyer as long as the original sales receipt is also transferred to such subsequent buyer.
- All warranty service must be performed by a Genz Benz authorized service center.

Before returning any unit for service, a returned merchandise authorization number (RMA#) must be obtained by calling 480-941-0705.

**WARNING!!! THERE ARE NO USER SERVICABLE PARTS INSIDE THIS UNIT. ALWAYS CONSULT A QUALIFIED SERVICE AGENT FOR SERVICE.** The use and operation of this device constitutes and agreement of full release of any and all liability connected with its use. In addition, by the use of this device, user agrees to hold both GENZ BENZ ENCLOSURES, INC. and it's designer, sales agents and all other affiliates and related parties harmless in the event of any accident, injury, damage or loss resulting from such use.

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