

GENERAL SAFETY INFORMATION

IEC POWER INLET/ FUSE HOLDER — The power is supplied through an IEC type detachable cord set. The mains fuse holder is located in the bottom of this socket. The fuse resides in a pull-out drawer along with storage for an extra fuse.

CAUTIONS:

- Never expose this unit to moisture or rain, or excessive heat (over 115 degrees F) or without a properly grounded A.C. power source.
- Never remove the ground pin from the A.C. power connector.
- Never set the GBE 600 on anything that may collapse under its own weight.
- The GBE 600 is capable of producing sound pressure levels that may cause permanent hearing loss. **Always protect your ears!!**
- There are no user serviceable parts inside these units. Always consult a qualified service repair facility for service.

***THE HEATSINK IN THE REAR OF THE GBE 600 MAY
BECOME EXTREMELY HOT!!!
TAKE CAUTION!!!
DO NOT TOUCH WHEN HOT!!!***

WARRANTY

Genz Benz provides a
Transferable 3 Year Warranty.
Check the enclosed warranty registration card
for more information.

GENZ·BENZ

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GENZ·BENZ

GBE 600
SIX HUNDRED

QUICK REFERENCE MANUAL

IMPORTANT FEATURES:

- FET/12AX7 Tube Preamps— can be Switched or Mixed together via Footswitch (Footswitch included)
- 3 Circuit Shape Network (Footswitchable—F/S optional)
LF Extend, Mid Scoop, HF Attack—All adjustable Min-Max.
- 5 Band Active EQ with 2 shelving controls and 3 peaking
- High Powered Robust Output
 - 275 Watts @ 8 ohms
 - 425 Watts @ 4 ohms
 - 625 Watts @ 2 ohms
- XLR Direct Out w/ Level Control, Pre/Post/Ground Lift Sw.
- High Velocity Heat Management w/ 2 Speed Fan
- Speakon® and Standard 1/4" Speaker Outputs
- Unique "Soft Limit" Circuitry—Simulates Output Saturation for Warmer Limiting Action

OPERATION NOTES:

INPUT — Selectable Active or Passive modes. Passive is a hi-gain input and Active is -10db less. If your bass has a battery in it, choose Active.

SIGNAL MUTE — Mutes the signal from the amp and also the D.I. The Tuner Out stays active. (Optional footswitch operates the Mute function).

TUNER OUT — Plug your tuner in here. This output stays active when the Mute switch is engaged.

F.E.T. GAIN — Sets the Input Gain to the solid-state preamp.

TUBE GAIN/VOLUME — Sets the Gain structure and Volume of the Tube preamp. Setting a higher Gain level and lower Volume level will drive the tube harder, resulting in more overdrive/distortion.

O/L LED's — These overload LED's sense the output from the preamps, so even though you may have selected the FET preamp, the Tube LED's may light up as well if you have that preamp selected to be driven hard. Always defer to the Channel selector LED to confirm which preamps are selected.

TUBE/F.E.T./MIX — These push buttons select or mix the two preamps. This operation can be accessed by the front panel buttons or two button footswitch which is included.

SIGNAL SHAPE CIRCUITS — Three selectable voicing circuits that are Min.-Max. adjustable. **Optional 4 button F/S available for these operations.**

- **L.F. EXTEND** — Lowers the low frequency roll-off to approx. 30 Hz, producing a more pronounced low frequency rumble.
- **MID SCOOP** — A wider bandwidth signal scoop centered at 800 Hz in the mid response.
- **H.F. ATTACK** — Increases 4K Hz freq. for more bite or string sound when using a pick.

FIVE BAND ACTIVE EQ — A smooth, musical EQ network w/LF and HF shelving networks and 3 midrange peaking filters. Cut/Boost: +/-12db

MASTER VOLUME — This adjusts the signal sent to the power amp. Best results are achieved when operated between the 9 o'clock and 3

o'clock positions.

STATUS LED'S — A complete array of LED's that monitor the operation of the amp.

- **POWER LED** — Indicates the power is ON to the unit
- **PROTECT LED** — Indicates an internal fault has occurred. Turn off the amp at once. This light will stay lit for 3 seconds upon turn-on, which is normal.
- **THERMAL LED** — This LED will engage 15 degrees before thermal shut-down. The fan should be on HIGH SPEED if this occurs. The amp will automatically re-set if thermal shut-down occurs after it has cooled to within specification.
- **SIGNAL LED** — Will illuminate when signal is present and is received by the power amp.
- **CLIP/LIMIT LED** — This indicates that the maximum power threshold has been crossed. Driving the amp 6db beyond this point will cause gradual clipping.

LIMITER SWITCH — Engages the internal "Soft Clip" Limiter. This limiting action is particularly musical sounding, even when driven hard.

XLR DIRECT OUT — Studio Quality, fully active transformerless balanced DI. PRE/POST switch; GROUND switch; OUTPUT LEVEL Control adjustable between -50db and -10db. Fully protected from Phantom Power.

TWO SPEED FAN — The GBE 600 is fan cooled. This 2 speed fan allows for quiet fan operation when recording. The fan speed should be on HIGH when driving a 4 ohm load hard or anytime when operating at 2 ohms.

FOOTSWITCH INPUTS — The 2 button footswitch fits into the 1/4" CHANNEL jack for CHANNEL switching or MIX. Our optional 4 button footswitch uses the 5 pin DIN input. This operates the MUTE, LF EXTEND, MID SCOOP and HF ATTACK functions. **The front panel switches override all footswitch functions.**

SPEAKER OUTPUTS — The GBE 600 features 2 standard 1/4" speaker jacks plus 2 SPEAKON® NL4 connectors. Minimum total load impedance is 2 ohms. The SPEAKON® is wired using pins 1+ and 1-, pins 2+ and 2- are not connected.