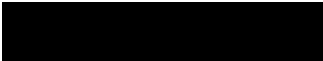

**THE HEATSINK IN THE REAR OF THE GBE 400
MAY BECOME EXTREMELY HOT!!!
TAKE CAUTION!!!
DO NOT TOUCH WHEN HOT!!!**

WARRANTY

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



7811 E. Pierce St. Scottsdale, AZ 85257
Ph: 480-941-0705 Fax: 480-946-2412
www.genzbenz.com



GBE 400
FOUR HUNDRED

QUICK REFERENCE MANUAL

IMPORTANT FEATURES:

- All Solid-State Design
- 3 Circuit Shape Network
LF Extend, Mid Scoop, HF Attack
- 5 Band Active EQ with 2 shelving controls and 3 peaking
- High Powered Robust Output
 - 200 Watts @ 8 ohms
 - 330 Watts @ 4 ohms
 - 450 Watts @ 2 ohms
- XLR Direct Out w/ Level Control, Pre/Post/Ground Lift Sw.
- High Velocity Heat Management
- 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.

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.

O/L LED — This overload LED senses the output from the preamp.

SIGNAL SHAPE CIRCUITS —

- *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 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 transformer-less balanced DI. PRE/POST switch; GROUND switch; OUTPUT LEVEL Control adjustable between –50db and –10db. Fully protected from Phantom Power.

EFFECTS LOOP — This feature is provided for use with series or parallel type effects. The effects loop is Pre-EQ and Master Volume. The mute switch will shut this output down when engaged.

SPEAKER OUTPUTS — The GBE 400 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.

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 400 of anything that may collapse under its own weight.
- The GBE 400 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.