

EFFECTS LOOP JACKS — The serial “*EFFECTS LOOP*” jacks are provided to allow access to the signal for the purpose of inserting signal processing equipment such as compressors, chorus, delay & reverb processors. Individual pre-EQ loops are provided for the TUBE channel and the FET channel. An additional post EQ loop is provided for the post-EQ summed (TUBE + FET) signal.

POWERFLEX SWITCH— This switch allows optimum matching of the power supply to the speaker load. Similar in concept to output transformer matching in tube amplifiers, this feature allows the **GBE-1200** to drive 2 ohm loads at maximum efficiency compared to more traditional designs. ***Driving 2 ohm speakers with the switch in the 4-8 ohm position is not recommended as the amp’s monitoring circuitry may reduce the output power to minimize stress on the amplifier.*** . An amber “2 ohm” indicator LED is provided on the front panel to confirm that the 2 ohm *POWERFLEX™* mode has been selected.

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.

FOOTSWITCH INPUT — The **GBE 1200** is fitted with a 6 pin DIN jacks for the 5 button footswitch (included). In order for the footswitch to function correctly, the amplifier’s front panel switches for these functions must be in the “out” position. This footswitch is unique to Genz Benz due to the complex nature of it’s functions and must be factory supplied. This operates the CHANNEL SELECT, MIX, LF EXTEND, MID SCOOP and HF ATTACK functions. ***The front panel switches over-ride all footswitch functions.***

SPEAKER OUTPUTS — The GBE 1200 features 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.

*REFER TO YOUR TECHNICAL MANUAL FOR
GENERAL SAFETY INFORMATION*

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GENZ·BENZ

GBE1200
TWELVE HUNDRED

QUICK REFERENCE MANUAL

IMPORTANT FEATURES:

- Blendable FET/12AX7 Tube Preamps— can be Switched or Mixed
- Together via Footswitch (Footswitch included)
- 3 Circuit Shape Network (Footswitchable)
- LF Extend, Mid Scoop, HF Attack—All adjustable Min-Max.
- 5 Band Active EQ for each Channel
- High Powered Robust Output
- 550 Watts @ 8 ohms
- 1000 Watts @ 4 ohms
- 1200 Watts @ 2 ohms
- XLR Direct Out w/ Level Control, Pre/Post/Ground Lift Sw.
- High Velocity Heat Management w/ 2 Speed Fan
- Speakon® Speaker Outputs
- Unique “Soft Limit” Circuitry—Simulates Output Saturation for warmer Limiting Action

OPERATION NOTES:

FRONT PANEL

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.

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

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

CHANNEL AND MIX SWITCHES — The “*TUBE/FET*” switch provides selection between the 2 preamp channels. The “*mix*” switch in the channel section combines the two preamp channels together. These functions are footswitchable features. The front panel switches must be in the out position in order for the footswitch to operate properly.

FET CHANNEL INPUT GAIN CONTROL & O/L LED — The “*FET GAIN*” control, in conjunction with the red “*O/L LED*” (*overload*), allow you to adjust the FET preamp input gain sensitivity to the instrument you are playing. Generally, you want to see only an occasional flash of the red clip LED when you really hit the string hard, then adjust the “*FET VOLUME*” control for playing volume. Distortion of the preamp gain stage will occur when the red clip LED is illuminated, so plan accordingly.

TUBE CHANNEL INPUT GAIN CONTROL & O/L LED — The TUBE channel operates the same as the FET channel, except that it is more often desirable to operate the “*TUBE GAIN*” control higher, intentionally overdriving the tube preamp for a more overdriven and distorted sound. This action is indicated visually by the red “*O/L LED*” and generally requires a higher setting on the “*TUBE GAIN*” control and a lower setting on the “*TUBE volume*” control. A blue LED lights when the TUBE channel is active.

ACTIVE 5 BAND EQUALIZATION — The “*active 5 band equalization*” used in the **GBE 1200** amplifier is composed of 1 shelving low frequency control, 3 peaking midrange controls and 1 shelving high frequency control. The filters have a cut/boost range of +/- 12dB and a smooth, musical sounding response. A separate 5 band equalizer is provided for each the TUBE and the FET channels. This fully active EQ has a wide range, so generally, a little EQ goes a long way.

GLOBAL SIGNAL SHAPING SWITCHES AND CONTROLS — Three selectable voicing circuits that are Min.-Max. adjustable.

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. All of these functions are footswitchable features. All switches must be in the out position for the footswitch to operate properly.

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.

MASTER SECTION STATUS INDICATORS —

- The “*power jewel light*” indicates that the amplifier is on and the low voltage power supplies are active.
- The red “*PROTECT LED*” indicates that the amplifier is in “protect” mode and the output relay is de-energized. This LED will illuminate for approximately 3 seconds during power switch-on and switch-off. It will also illuminate during any internal fault condition. If this happens, turn the amp off and consult a repair technician.
- The red “*THERMAL LED*” indicates that the amplifier has overheated, engaged the protection circuit and shut down. This circuit is self-resetting when the offending condition (blocked air vents, foreign body stuck in fan, etc) is corrected.
- The amber “*2 OHM*” LED indicates that the power amplifier’s 2 ohm *POWERFLEX* mode has been selected.
- The blue “*SIGNAL LED*” indicates that the power amplifier is receiving signal from the preamp.
- The red “*CLIP-LIMIT LED*” indicates that the power amplifier has reached maximum power and/or the limiter threshold has been crossed. Driving approximately 6dB beyond this point with the “*OUTPUT LIMITER*” engaged, the amplifier will gradually begin to clip.

OUTPUT LIMITER — Engages the internal “Soft Clip” Limiter. This limiting action is particularly musical sounding, even when driven hard. A blue LED indicates that this feature is engaged.

REAR PANEL FEATURES

TUNER OUTPUT JACK — A rear panel “*TUNER OUTPUT*” jack is also provided. This output remains active when the “*MUTE*” switch is pressed. The front panel jack is in parallel with the rear panel jack.