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### **PITTBULL MODEL G-100-CLX,G-100-UL FUNCTIONS**

#### **FRONT PANEL, LEFT TO RIGHT**

1. INPUT HI - High sensitivity input (also has a brighter tone)
2. INPUT LOW - Low sensitivity input (also has a slightly darker tone)
3. LEAD EDGE - Frequency dependent gain boost; gain increases as you play up the neck (it's subtle)
4. LEAD GAIN - Amount of overdrive
5. LEAD - Activates Lead Gain, Volume and Edge. Overrides Rhythm and Clean channels. Must be OFF for Rhythm and Clean channel to operate.
6. HI GAIN - Gain Stacking Switch. Activates additional tube overdrive gain stage.
7. LEAD VOLUME - Activated by LEAD (5) Pre FX loop
8. RHYTHM BOOST - Switches from low gain (clean to slightly dirty) to medium gain (crunch to medium overdrive)
9. RHYTHM GAIN - Activated by Rhythm (10)
10. RHYTHM - Toggles between rhythm and Clean channel
11. RHYTHM VOLUME - Activated by Rhythm (10) Pre FX loop
12. RHYTHM EDGE - Same function as Lead Edge for Rhythm channel
13. TREBLE - Active for both Rhythm and Lead channel
14. SHIFT - Active for both Rhythm and Lead channel. Shifts Treble, Middle and Bass shelving down.
15. MIDDLE - Active for both Rhythm and Lead channel
16. BASS - Active for both Rhythm and Lead channel
17. CLEAN VOLUME - Gain and volume for Clean channel, pre FX loop. For initial set-up, set to approximately 2 O'clock with Master Volume at approximately 2 O'clock and match Rhythm Volume and Lead Volume to desired setting
18. CLEAN BOOST - Gain boost for Clean channel
19. TREBLE
20. BRIGHT - High frequency boost (becomes less active as Volume increases)
21. MIDDLE
22. SHIFT - Low midrange boost between Middle and Bass frequencies
23. BASS
24. MASTER VOLUME - Power amp volume control, post FX loop
25. GRAPHIC EQ (Optional) – 100Hz, 250 Hz, 630 Hz, 1.2KHz, 2.3KHz, 5KHz  $\pm$  12 dB cut or boost per band. Activated by rear panel pushbutton or footswitch.
26. PRESENCE - Active, all three channels
27. VOICING - Frequency contour-increases 6dB per octave-2.5 kHz up, 250 Hz down
28. DEPTH - Variable damping
29. STANDBY- 11= Full Power; 0= Standby, 1= Two Tube-Half Power
30. MAINS- Lovely emerald green, don't you think?

## **PITTBULL MODEL G-100-CLX,G-100-UL SERIES FUNCTION**

### **REAR PANEL, RIGHT TO LEFT**

1. EFFECTS SEND - Send level set by preamp volumes. Also serves as preamp output for recording and slaving.
2. EFFECTS LEVEL - Sets overall send and return level (LOW = -10dB, HI = 0dB)
3. SERIES/PARALLEL – Sets loop for Series or Parallel operation. See FAQs at [www.vhtamp.com](http://www.vhtamp.com) for a complete explanation about Series and Parallel loop operation.
4. EFFECTS RETURN - Overall level adjusted by Hi/Low switch, then feeds to EFFECTS LEVEL. Also serves as power amp input.
5. EFFECTS - Activates F/X Loop. Also activated by footswitch jack.
6. EFFECTS LEVEL - Sets return level for effects loop in Series Mode. Determines effects blend in Parallel Mode.
7. FOOTSWITCH – Connector for footswitch controller.
8. LINE OUT - Power amp line out jack.
9. LINE LEVEL - Power amp line level control.
10. SPEAKER OUTPUT - “Use First” jack must be plugged in for output to operate.
11. IMPEDENCE SELECT - 4,8,16 ohm (speaker jacks wired in parallel)
12. POWER AMP MODE: MUTE - Deactivates power amp while leaving preamp active.
- 13A. POWER AMP MODE: CLASS AB - (**G-100-CLX**) Operates power tubes in Class AB mode for full out put and maximum headroom.
- 13B. POWER AMP MODE: DUAL-CLASS - (**G-100-CLX**) Operates outside 2 power tubes in Cathode Bias mode, and inside 2 power tubes in fixed bias mode for full slightly reduced output and softer highs and lows. NOTE: In Half Power Mode, only the outside pair of power tubes (extreme right and left) are operating. In this case, when switch is in Dual-Class Mode, the power tubes are operating Cathode Biased only.
- 14A. KT88 / 6L6 SWITCH (Mounted on top of chassis behind rear grille) - (**G-100-UL**) KT88: Sets bias for operation with KT88 tubes. 6L6: Sets bias for operation with 6L6 power tubes. **DISCONTINUED FEATURE ON LATER MODELS.**
- 14B. EL34 / 6L6 SWITCH (Mounted on top of chassis behind rear grille) - (**G-100-CLX**) EL34: Sets bias for operation with EL34 power tubes. 6L6: Sets bias for operation with 6L6 power tubes. **DISCONTINUED FEATURE ON LATER MODELS.**

**NOTE:** When switching to half power mode (standby switch in Position “1”) impedance selector value should also be divided by two.

**EXAMPLE:** Impedance setting “8” for 16 ohm speaker. Impedance setting “4” for 8 ohm speaker, etc.

This will help extend tube life and maintain low-end punch.