



# DB4 Manual

Model: ZA-40

[www.drzamps.com](http://www.drzamps.com)



This symbol warns the user of dangerous voltage levels localized within the enclosure.



This symbol advises the user to read all accompanying literature for safely operating the unit

### **Important Safety Instructions**

- 1) Read these instructions.
  - 2) Keep these instructions.
  - 3) Heed all warnings.
  - 4) Follow all instructions.
  - 5) Do not use this apparatus near water.
  - 6) Clean only with dry cloth.
  - 7) Do not block any ventilation openings. Maintain at least 3 feet of distance around all sides of amplifier. Do not block any ventilation openings with items such as newspapers, tablecloths, curtains, etc.
  - 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
  - 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
  - 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
  - 11) Only use attachments/accessories specified by the manufacturer.
  - 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
  - 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
  - 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
  - 15) Avoid placing any liquids on or near the amplifier that may splash or drip such as those contained in bottles, cans, glasses, etc.
- \*Dr Z amplifiers are capable of producing very high sound pressure levels which can cause temporary or permanent hearing damage.
- \*If any screw that is actually on the amp chassis needs to be replaced contact Dr Z Amps for the proper size. Screw size is critical for inner chassis clearances.

## General Information

The DB4 is the fourth collaboration between Dr. Z and Brad Paisley (hence the name DB4: Doc & Brad’s fourth amp design). Brad asked for a rich and warm sounding British-voiced amp. I started with a clean sheet of paper.

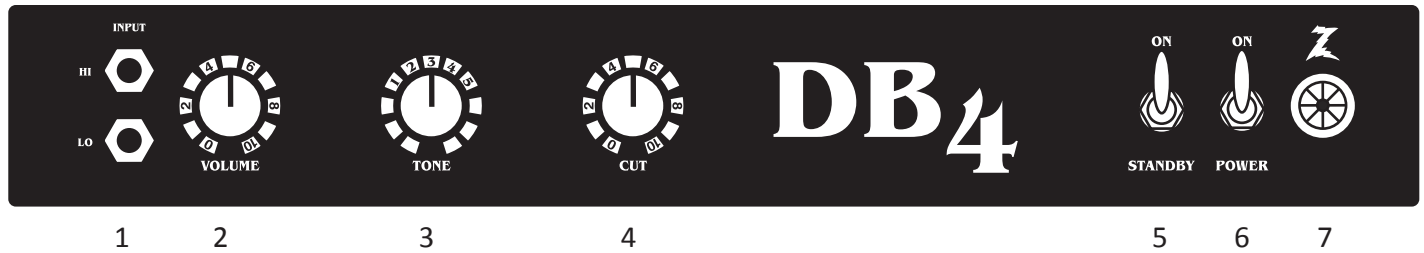
The input of the amp uses a 5879 U.S. made pentode preamp tube. This was the tube selected by Les Paul to be used in his Gibson GA-40 Les Paul amp. The full-bodied silky tones of the 5879 are then driven into a rotatory frequency filter. This control selects between jangly brilliance to deep and full resonant tones and everything in between. To help fine adjust the hue of delivered frequency to the four EL84 output tubes is a cut control. Think of this as a tone control for your output tubes.

This original amp design has its own voice, one that doesn’t sound like any EL84 amp you have ever heard. It will be offered as a head, 1x12 combo loaded with a Celestion Alnico Gold, and 2x12 “Bluesbreaker” combo loaded with two Celestion Alnico Blue speakers.

## Specifications:

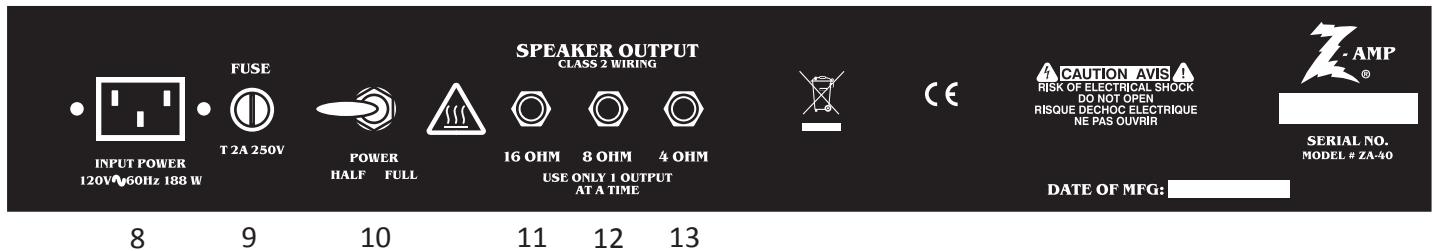
Power Output	18/38 watts
Output Tubes	4- EL84 (cathode biased)
Preamp Tubes	1- 5879, 2- 12AX7
Rectifier	5AR4
Controls	Volume, Rotary Tone Switch, Cut, 1/2 Power
Speaker Outputs	4, 8, 16 Ohm Outputs
Configurations	Head, 1x12 Combo, 2x12 “Bluesbreaker” Combo
Dimensions & Weight	Head: 19” W, 9 3/4” H, 9 1/2” D; 26 lbs. 1x12 Combo: 22” W, 21 1/2” H, 10 5/8” D; 42 lbs. 2x12 “Bluesbreaker” Combo: 32 1/4”W x 23 1/8”H x 10 1/2”D 68 lbs.

## FRONT PANEL



- 1. Input:** Input jack for your guitar. Hi is for normal use. LO has 3 dB less gain. Use LO with Humbucker equipped guitars for a cleaner sound.
- 2. Volume:** Controls overall gain. Set over halfway for overdriven sounds. Set below halfway for cleaner sounds.
- 3. Tone:** Rotatory tone switch. Controls full range EQ for the amp.
- 4. Cut:** Controls overall tone/presence of the amp. Turn clockwise for chime.
- 5. Stand-By:** Leave in off position for 1 minute when powering up the amp. Turn on for play. Place in off position for extended break periods.
- 6. Power:** Switch up to turn on amplifier. Switch down to turn off amplifier.
- 7. Power Indicator:** Lights up when power is switched on. If LED fails replace with a 6.3 volt #44 Bayonet Base(BA9S).

## REAR PANEL



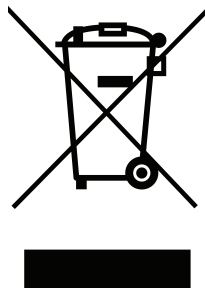
- 8. AC Inlet:** (Class I Wiring). This device is used for disconnection from power mains and must remain readily opearable. The power indicator light does not indicate connection to power mains. The power cord must be disconnected to disconnect amplifier from power mains.
- 9. Fuse:** The fuse protects the amp from electrical faults. Replace only with the same rating and type stated below fuse holder (2A 250v SLO BLO). If the amp repeatedly blows the fuse contact your dealer or Dr Z Amps.
- 10. Half/Full Power Switch:** This switch allows you to play your amp at half (18 watts) or full (38 watts) power.
- 11. 16 OHM Speaker Jack:** Plug in 16 ohm speaker here. Always have a speaker plugged into the amp when it is powered on. Always match the speaker impedance to the proper speaker out jack. This will allow the amp to sound its best and avoid damage.
- 12. 8 OHM Speaker Jack:** Plug in 8 ohm speaker here. Always have a speaker plugged into the amp when it is powered on. Always match the speaker impedance to the proper speaker out jack. This will allow the amp to sound its best and avoid damage.
- 13. 4 OHM Speaker Jack:** Plug in 4 ohm speaker here. Always have a speaker plugged into the amp when it is powered on. Always match the speaker impedance to the proper speaker out jack. This will



MODEL: \_\_\_\_\_

SERIAL NUMBER: \_\_\_\_\_

INPUT VOLTAGE: \_\_\_\_\_



MADE IN USA

