



# KT-45 Manual

Model: ZA-11  
[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

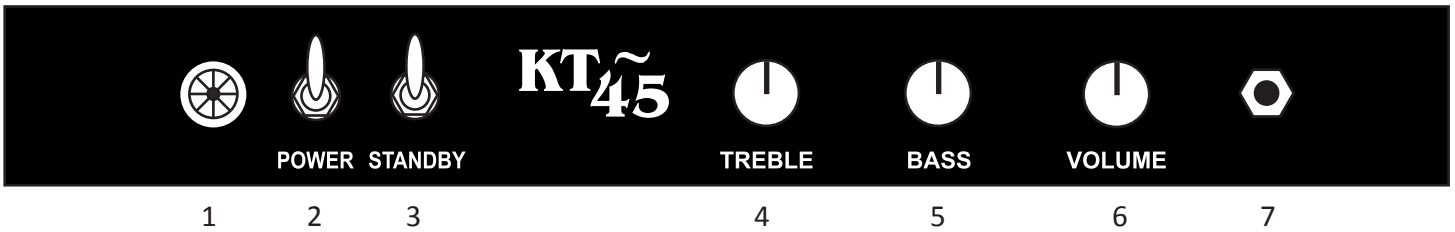
The KT-45 is yet another completely original design from the Doctor. The basis of this amp's design is its EF-86 (preamp tube) front-end and Tone Stack also used on the Z28 and Route 66 models. The incredible timbre of the EF-86, along with gain that's 50% higher than the hottest 12AX7, virtually inhales the tone straight through your guitar cord. The KT-45's tone stack allows control of the gain in three separate parameters- gain and amount of distortion in the treble registers, clear to swelling bass in the lower registers, and overall volume and drive. This allows you to dial in a Thick Top End, with a clean punching bass, or a swelling bottom end with crystalline highs. This is all done with plenty of clean to satisfy a Country picker, enough crunch for Rock & Roll, and tough singing sustain for R&B (British R&B that is!).

Sonically the KT-45 captures the rich tones of the WHO's "Live at Leeds" LP. It combines powerful driving distorted tones with a touch of defined articulation. VOX AC-30/4 meets HiWatt.

## Specifications

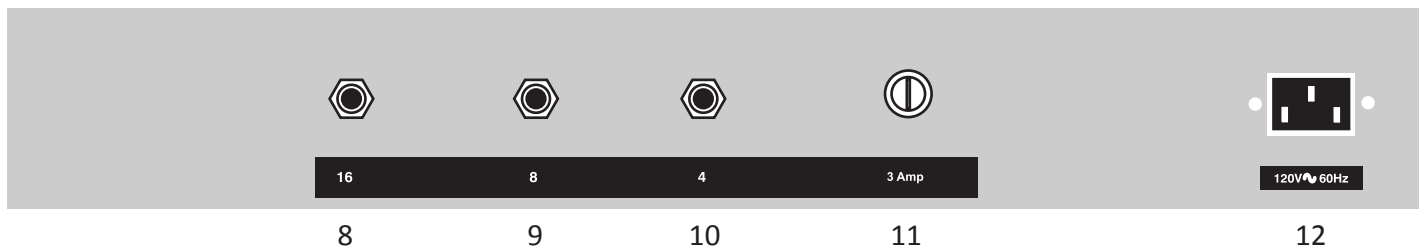
<b>Power Output</b>	45 watts
<b>Output Tubes</b>	2 - EL34
<b>Preamp Tubes</b>	1 - EF86 (NOS), 1 - 12AX7
<b>Rectifier</b>	Solid State or 1 - 5AR4
<b>Controls</b>	Volume, Bass, Treble
<b>Configurations</b>	Head
<b>Colors</b>	Black, Blonde, Red
<b>Dimension &amp; Weight</b>	17 3/4" W, 10" H, 9 3/4" D; 35 lbs.

## FRONT PANEL



- 1. Power Indicator:** Lights up when power is switched on. If bulb fails replace with type T47.
- 2. Power:** Switch up to turn on amplifier. Switch down to turn off amplifier.
- 3. 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.
- 4. Treble:** Controls overall high frequency response.
- 5. Bass:** Controls overall low frequency response.
- 6. Volume:** Controls loudness of amp. As you turn the volume up more natural drive will occur along with an increase in level.
- 7. Input:** Input jack for your guitar.

## REAR PANEL



- 8. 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.
- 9. 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.
- 10. 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 allow the amp to sound its best and avoid damage.
- 11. Fuse:** The fuse protects the amp from electrical faults. Replace only with the same rating and type stated below fuse holder. If the amp repeatedly blows the fuse contact your dealer or Dr Z Amps.
- 12. AC Inlet:** (Class I Wiring). This device is used for disconnection from power mains and must remain readily operable. The power indicator light does not indicate connection to power mains. The power cord must be disconnected to disconnect amplifier from power mains.



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

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

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



MADE IN USA



Dr Z Amps 17011 Broadway Ave. Maple Heights, OH 44137 USA



## DECLARATION OF CONFORMITY

We, Dr Z Amps, declare, taking this declaration under our total responsibility, that guitar amplifier model KT-45 (ZA-11) is in conformity with EN 55013, EN 61000-3-2, EN 61000-3-3, and EN 55020 in accordance with the Directive 2006/95/EC of 12 December 2006, and in conformity with the 2011/65/ECC Rohs Directive.

11-19-2014

A handwritten signature in black ink that reads "M. D. Zaite". The signature is written in a cursive, flowing style.

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Michael Zaite, General Manager Dr Z Amps