



Route 66 Jr. Manual

Model: ZA-56
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

When the original Route 66 came out over 25 years ago, it became one of Dr. Z's first critically-lauded designs. Winning the very first "Editors' Pick Award" from Guitar Player Magazine in Jan. of 1999 from there it graced the stage with the likes of Doyle Bramhall, Boz Scaggs, and David Grissom. The first Z Amp to feature the EF-86 pentode preamp that the company subsequently became known for, its success spawned many design iterations (Stang Ray, KT-45, etc.) with the very popular Z-28 Mk. II being one still in current production.

In the earlier days, many people came to Dr. Z amps for their simple vintage-inspired designs, and with the Route 66 there were three knobs: treble, bass, and volume... no master volume control. Producing gloriously huge sounding tones, the term "milkshake thick" became the de facto descriptor of the Route 66. Yet as volume restrictions crept their way into the clubs by the 2010s, this style of amp was out of vogue. Even still, those players who had an original Route 66 and may have moved on where chirping in Doc's ear: "if you made a lower powered version, I'd be in for one!"

After a year of prototyping, Dr. Z believes he has more than satisfied their call. The Route 66 Jr. features the same time-tested EF-86 preamp, featuring a large, hi-fi pentode tube that delivers unmatched clarity, dynamic response, and headroom going beyond it's smaller, more common 12AX7 sibling. This preamp is married to a Class A, single-ended Genalex Gold Lion KT66 power tube, cutting the tube complement of the OG Route 66 down from 2 to 1 and delivering 12 watts at full output. Quite a step down from the original's 35 watts, the Route 66 Jr.'s output is enough to handle the stage but won't have the patrons running for the door at full tilt.

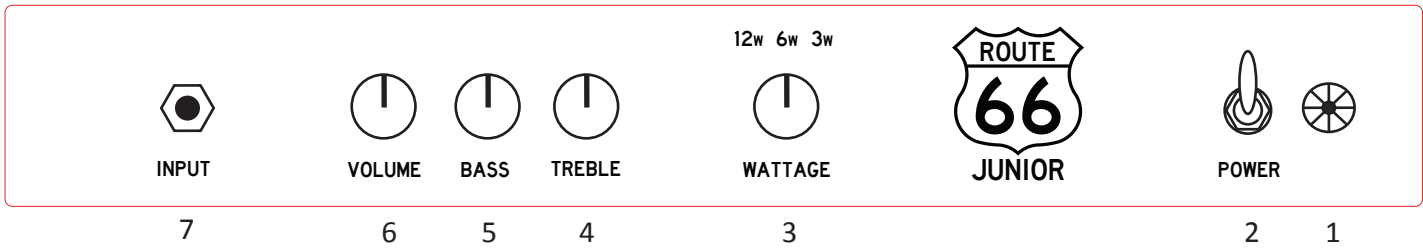
With the experience derived from the recently released Reactive Reducer attenuator, Dr. Z added two additional steps of volume attenuation, seamlessly knocking the power down to 6 watts for the "studio sweet spot," and 3 watts for at-home, conversational volumes. Plus, a first for the EF-86 based amp line: a buffered FX loop for the player with who prefers to keep their delays and modulation pristine and clear of any coloring.

Also a first, the Route 66 sound is in a 1x12 combo emblazoned with checkered basketweave grill cloth with it's complex, rich overdrive being pushed through the brand-new Eminence Platinum 40 Alnico 12" speaker, a debut from Eminence. The Route 66 Jr. is the first amp to exclusively feature this stunning speaker, a perfect blend of vintage American tones, with a dash of British bite. The Route 66 Jr. will be offered as a head with matching head/1x12 ext.

Specifications

Power Output	12, 6, or 3 Watts
Output Tubes	1 - KT66
Preamp Tubes	1 – EF-86, 1 - 12AX7
Rectifier	5AR4
Controls	Volume, Bass, Treble, Wattage
Other	8 ohm speaker outs, buffered FX loop
Configurations	Head, 1x12 Combo
Dimension & Weight	Head: 19" W, 9 3/4" H, 9 1/2" D; 27 lbs. 1x12 Combo: 22" W, 21 1/2" H, 10 5/8" D; 42 lbs.

FRONT PANEL



1. Power Indicator: Lights up when power is switched on. If LED fails replace with a 6.3 volt #44 Bayonet Base(BA9S).

2. Power: Switch up to turn on amplifier. Switch down to turn off amplifier.

3. Wattage: 3 position rotary switch to control the overall output (volume) of the amp. 12 watts is full output, 6 watts is half power, and 3 watts is a third of the overall output power.

4. Treble: Controls higher frequencies. Before noon, this control adds or cuts top end. Beyond noon, this control will begin to overdrive the upper midrange. For the highest amount of clean headroom set this control before noon. For more overdrive, turn it clockwise past noon.

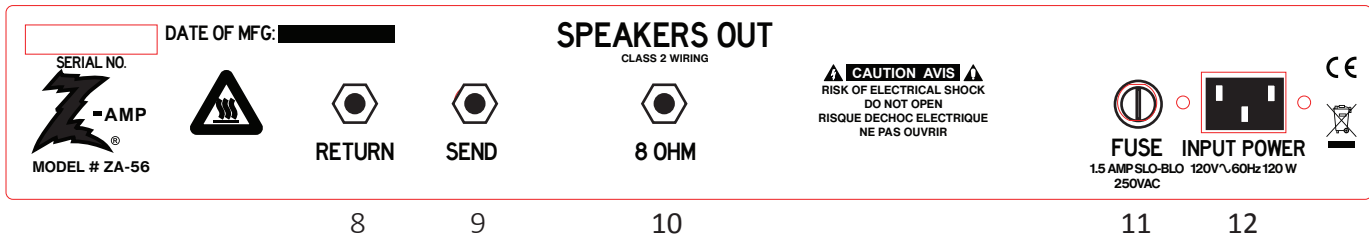
5. Bass: Controls lower frequencies. Before noon, this control adds or cuts low end. Beyond noon, this control will begin to overdrive the lower mids. For the highest amount of clean headroom set this control before noon. For more overdrive, turn it clockwise past noon.

6. Volume: Controls the input level of the guitar. Turn up higher for more overdrive, set lower for clean.

7. Input: Input jack for your guitar.

REAR PANEL

(Head)



(Combo)



8. Return Jack: Plug the “out” of your effects chain to return the signal back to the amp.

9. Send Jack: This will send the signal from the amp to the “in” of your effects chain.

10. 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.

11. Fuse: The fuse protects the amp from electrical faults. Replace only with the same rating and type stated below fuse holder (1.5A 250v SLO BLO). If the amp repeatedly blows the fuse contact your dealer or Dr Z Amps.

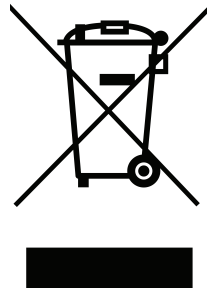
12. AC Inlet: (Class I Wiring). This device is used for disconnection from power mains and must remain readily operable. The power indicator light does not indicate connection to power mains. The power cord must be disconnected to disconnect amplifier from power mains.



MODEL: _____

SERIAL NUMBER: _____

INPUT VOLTAGE: _____



MADE IN USA

